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2021/22

ISSUE 46

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SIMPLY
SUPERIOR

Raymarine®
SIMPLY SUPERIOR™

AXIOM XL [WiFi]

16", 19", 22" and 24" Glass Bridge Multifunction Displays

705-E70399	Axiom XL 16 - 15.6" Glass Bridge MFD	£6,495.00
705-E70400	Axiom XL 19 - 18.5" Glass Bridge MFD	£10,495.00
705-E70515	Axiom XL 22 - 21.5" Glass Bridge MFD	£13,495.00
705-E70401	Axiom XL 24 - 24" Glass Bridge MFD	£15,495.00
705-T70431	Accessory Pack - GA150 GPS, RCR-SD/USB & Honk inc Cable	£195.00

Axiom XL is the pinnacle of Raymarine navigation and modern helm integration. Designed for glass bridge installations, Axiom XL 22 offers superior performance, large format visibility, and elegant simplicity. Engineered to perform in extreme conditions, the full HD Axiom XL 22 features in-plane switching (IPS) technology, delivering wider viewing angles, sharper contrast, and unmatched readability in direct sunlight. The intuitive LightHouse 3 OS is fast, fluid, and features an uncluttered interface that is easy-to-learn and easy-to-customize to your style of navigating.

Models	AXIOM XL 16	AXIOM XL 19	AXIOM XL 22	AXIOM XL 24
Display Size	15.6" IPS LCD	18.5" IPS LCD	21.5" IPS LCD	24" IPS LCD
Display Resolution	1920 x 1080 FHD			1920 x 1200 WUXGA
Display Type	Glass Bridge Multifunction Display			
Dimensions	395 x 249 x 78 mm	462 x 290 x 77 mm	534 x 326 x 75 mm	579 x 387 x 74 mm
Waterproof Rating	IPX6 & IPX7			
Power - Voltage	12V and 24V DC (8 V to 32 V DC)			
GNSS / GPS	Built-in GNSS Receiver: GPS / GLONASS / Galileo / Beidou - 10Hz 72 Channel External Accessory: GA150 (A80288)			
Sonar Type (Built-in)	Axiom XL requires the external RVX1000 module			
Ethernet	x3 Raynet ports			

	Technology						
	Digital	CHIRP	DownVision	SideVision	RealVision 3D	HyperVision	1Kw or higher
Axiom / Axiom+	●	●	●	●	●		
Axiom Pro	●	●	●	●	●		●
Axiom XL with RVX1000	●	●	●	●	●		●
Element		●	●	●	●	●	
CP100 Sonar Module		●	●				
CP200 Sonar Module		●		●			
CP370 Sonar Module	●						●
CP470 Sonar Module		●					●
CP570 Sonar Module		●					●
RVX1000 Sonar Module	●	●	●	●	●		●

Note: Axiom and Axiom Pro models are available with DownVision, SideVision and CHIRP sonar built-in. Axiom XL requires an external module.

RAYMARINE **SONAR** TECHNOLOGY

Whether your passion is freshwater, inshore or offshore big game adventures, Raymarine sonar technology gives you the power to locate fish and detect structure with exceptional clarity and ease-of-use. From a weekend angler to tournament professional, Raymarine offer a wide range of multifunction navigation displays with integrated sonar and high-performance external sonar modules that let you spend more time catching fish and less time looking for them.
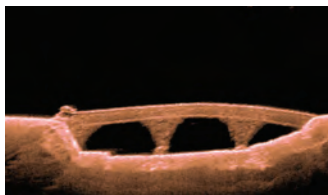
CHIRP DownVision

Delivers a photo-like view of the world beneath your boat, allowing you to image bottom structures with amazing detail and simultaneously target fish.

CHIRP SideVision

Expands your underwater horizon with bank-to-bank displays of fish, bait and underwater structures. SideVision lets you see further, see more clearly, and detect more fish than traditional side scanning sonars.
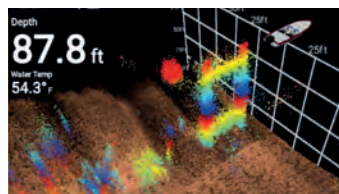
RealVision 3D

Gives anglers the ability to see what's below, behind, and to the sides of the boat, all at once and in three-dimensions. RealVision 3D displays the entire underwater world—including structure, cover, fish and forage. Pan, tilt, and zoom the 3D image to examine from any angle.
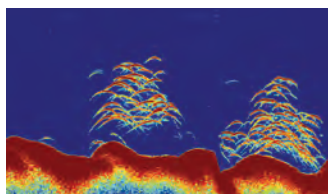
Conventional CHIRP Sonar

With 10 times the resolution of ordinary sonars, Raymarine wide spectrum CHIRP sonar delivers sharper, more defined fish targets and automatically filters out unwanted noise so you never miss the action below.
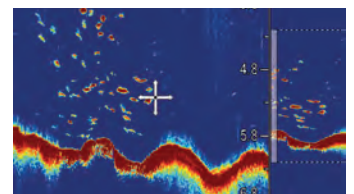
Digital Sonar

Operates at 200kHz for inshore and 50kHz for off shore-fishing. ClearPulse™ signal processing intelligently manages the sonar parameters in all conditions so anglers can spend more time fishing and less time adjusting the sonar.

RAYMARINE

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Raymarine®

AXIOM™ PRO Wi-Fi®

9", 12" and 16" Network Multifunction Displays with Wi-Fi

AXIOM 9 Pro-S 9" Display with High CHIRP Conical Sonar for CPT-S

705-E70481	AXIOM 9 PRO-S - Display Only	£2,545.00
705-E7048100202	AXIOM 9 PRO-S - c/w Lighthouse download chart	£2,695.00

AXIOM 9 Pro-RVX 9" Display with 1kW Sonar, DV, SV & RealVision 3D

705-E70371	AXIOM 9 PRO-RVX - Display Only	£2,845.00
705-E7037100202	AXIOM 9 PRO-RVX - c/w Lighthouse d/load chart	£2,945.00

AXIOM 12 Pro-S 12" Display with High CHIRP Conical Sonar for CPT-S

705-E70482	AXIOM 12 PRO-S - Display Only	£3,945.00
705-E7048200202	AXIOM 12 PRO-S - c/w Lighthouse d/load chart	£4,045.00

AXIOM 12 Pro-RVX 12" Display with 1kW Sonar, DV, SV & RealVision 3D

705-E70372	AXIOM 12 PRO-RVX - Display Only	£4,245.00
705-E7037200202	AXIOM 12 PRO-RVX - c/w Lighthouse d/load chart	£4,345.00

AXIOM 16 Pro-S with High CHIRP Conical Sonar for CPT-S

705-E70483	AXIOM 16 PRO-S - Display Only	£5,945.00
705-E7048300202	AXIOM 16 PRO-S - c/w Lighthouse d/load chart	£6,045.00

AXIOM 16 Pro-RVX with 1kW Sonar, DV, SV & RealVision 3D

705-E70373	AXIOM 16 PRO-RVX - Display Only	£6,345.00
705-E7037300202	AXIOM 16 PRO-RVX - c/w Lighthouse d/load chart	£6,445.00

Models	AXIOM PRO 9	AXIOM PRO 12	AXIOM PRO 16
Display Size	9" IPS Optically Bonded LCD	12.1" IPS Optically Bonded LCD	15.6" IPS Optically Bonded LCD
Display Resolution	1280 x 720 WXGA	1280 x 800 WXGA	1920 x 1080 WXGA
Display Type	Multitouch		
Dimensions	300 x 174 x 65 mm	358 x 223 x 65 mm	452 x 258 x 69 mm
Mounting	Top, Front, Bracket		Top, Front, & optional RAM ball mount adapter
Waterproof Rating	IPX6 / IPX7		
Power - Voltage	12V and 24V DC (8V to 32V DC)		
GNSS / GPS	Built-in GNSS Receiver: GPS / GLONASS / Galileo / Beidou - 10Hz 72 Channel External Accessory: GA150 (A80288)		
Sonar Type (Built-in)	Pro S model - High CHIRP* Pro RVX model - RealVision 3D + 1kW Sonar		
Ethernet	x2 Raynet ports		

*Pro S can only be used with CPT-S transducers that also connect directly to CP100 sonar module. Requires A80490 adaptor cable.

SEE PAGE 14 FOR COMPATIBLE TRANSDUCERS

AXIOM Pro series accessories

705-A80534	AXIOM 9 Pro Silicone Suncover	£35.00
705-A80535	AXIOM 12 Pro Silicone Suncover	£35.00
705-A80536	AXIOM 16 Pro Silicone Suncover	£84.00
705-A80537	AXIOM 16 Pro Mounting Plate	£95.00

HybridTouch Control

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

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PHOTO: DUFOUR

SAIL **WITHOUT LIMITS**

New Axiom+. Smarter, brighter, and tougher than ever

The best multifunction navigation displays are now even better. Axiom+ are performance-tuned with high-resolution IPS displays enhanced with HydroTough™ nano-coating for accurate wet weather touch screen control and all-weather viewing. Quad-core speed, enhanced GPS, and all new LightHouse Charts simplify navigation and put you in control.

Explore the power and simplicity of Axiom+ at
raymarine.com

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AXIOM®+ [Wi Fi]

7", 9" and 12.1" Multifunction Touchscreen Displays

AXIOM+ 7" Displays

705-E70634	AXIOM+ 7 - Display Only	£745.00
705-E70634-00-202	AXIOM+ 7 - c/w Lighthouse d/load chart	£845.00

AXIOM+ 7" Displays - 600W Sonar with RealVision 3D

705-E70635	AXIOM+ 7 RV - Display Only	£945.00
705-E70635-00-202	AXIOM+ 7 RV - c/w Lighthouse d/load chart	£1,045.00
705-E7063503	AXIOM+ 7 RV - c/w RV-100 transducer	£1,245.00
705-E70635-03-202	AXIOM+ 7 RV - c/w RV-100 transducer & Lighthouse d/load chart	£1,345.00

AXIOM+ 9" Displays

705-E70636	AXIOM+ 9 - Display Only	£1,295.00
705-E70636-00-202	AXIOM+ 9 - c/w Lighthouse d/load chart	£1,395.00

AXIOM+ 9" Displays - 600W Sonar with RealVision 3Dw

705-E70637	AXIOM+ 9 RV - Display Only	£1,495.00
705-E70637-00-202	AXIOM+ 9 RV - c/w Lighthouse d/load chart	£1,595.00
705-E7063703	AXIOM+ 9 RV - c/w RV-100 transducer	£1,795.00
705-E70637-03-202	AXIOM+ 9 RV - c/w RV-100 transducer & Lighthouse d/load chart	£1,895.00

AXIOM+ 12" Displays

705-E70638	AXIOM+ 12 - Display Only	£2,495.00
705-E70638-00-202	AXIOM+ 12 - c/w Lighthouse d/load chart	£2,595.00

AXIOM+ 12" Displays - 600W Sonar with RealVision 3D

705-E70639	AXIOM+ 12 RV - Display Only	£2,695.00
705-E70639-00-202	AXIOM+ 12 RV - c/w Lighthouse d/load chart	£2,795.00
705-E7063903	AXIOM+ 12 RV - c/w RV-100 transducer	£2,895.00
705-E70639-03-202	AXIOM+ 12 RV - c/w RV-100 transducer & Lighthouse d/load chart	£2,995.00

Models	AXIOM+ 7	AXIOM+ 9	AXIOM+ 12
Display Size	7" High Density IPS	9" High Density IPS	12.1" High Density IPS
Display Resolution	1024 x 600 WSVGA	1280 x 720 WXGA	1280 x 800 WXGA
Display Type	Multitouch with HydroTough™ rugged hydrophobic coating		
Dimensions	210 x 142 x 77 mm	244 x 158 x 77 mm	314 x 217 x 77 mm
Mounting	Surface / Flush / Trunnion Bracket (Front installation bracket available)		
Waterproof Rating	IPX6 / IPX7		
Power - Voltage	12V DC (8V to 16V DC)		
GNSS / GPS	Built-in GNSS Receiver: GPS/GLONASS/Galileo/Beidou* - 10Hz 28 Channel External Accessory: RS150 (E70310) - suitable Seatalk NG or NMEA2000 Network required *Future software update required		
Sonar Type (Built-in)	RV Version equipped with High CHIRP, DownVision, SideVision and RealVision 3D		
Ethernet	x1 Raynet port		

Raymarine

AXIOM™ [WiFi]

7", 9" and 12.1" Multifunction Touchscreen Displays

AXIOM 7" Displays

705-E70363	AXIOM 7 - Display Only	£645.00
705-E7036300202	AXIOM 7 - c/w Lighthouse download chart	£745.00

AXIOM 7" Displays - 600W Sonar with DownVision

705-E70364	AXIOM 7 DV - Display only	£695.00
705-E7036400202	AXIOM 7 DV - c/w Lighthouse download chart	£795.00
705-E7036401	AXIOM 7 DV - c/w CPT-S transducer	£745.00
705-E7036401202	AXIOM 7 DV - c/w CPT-S Txd & Lighthouse download chart	£845.00
705-E7036402	AXIOM 7 DV - c/w CPT-100DVS transducer	£795.00
705-E7036402202	AXIOM 7 DV - c/w CPT-100DVS Txd & Lighthouse download chart	£895.00

AXIOM 9" Displays

705-E70366	AXIOM 9 - Display only	£1,095.00
705-E7036600202	AXIOM 9 - c/w Lighthouse download chart	£1,195.00

AXIOM 9" Displays - 600W Sonar with DownVision™

705-E70367	AXIOM 9 RV - Display only	£1,295.00
705-E7036700202	AXIOM 9 RV - c/w Lighthouse download chart	£1,395.00
705-E7036702	AXIOM 9 RV - c/w CPT-100DVS transducer	£1,395.00
705-E7036702202	AXIOM 9 RV - c/w CPT-100DVS Txd & Lighthouse download chart	£1,495.00
705-E7036703	AXIOM 9 RV - c/w RV-100 transducer	£1,645.00
705-E7036703202	AXIOM 9 RV - c/w RV-100 Txd & Lighthouse download chart	£1,745.00

AXIOM 12" Displays

705-E70368	AXIOM 12 - Display only	£2,245.00
705-E7036800202	AXIOM 12 - c/w Lighthouse download chart	£2,345.00

AXIOM 12" Displays- 600W Sonar with RealVision 3D

705-E70369	AXIOM 12 RV - Display only	£2,445.00
705-E7036900202	AXIOM 12 RV - c/w Lighthouse download chart	£2,545.00
705-E7036903	AXIOM 12 RV - c/w RV-100 transducer	£2,795.00
705-E7036903202	AXIOM 12 RV - c/w RV-100 Txd & Lighthouse download chart	£2,895.00

Models	AXIOM 7	AXIOM 9	AXIOM 12
Display Size	7.0" Optically Bonded LCD	9.0" Optically Bonded LCD	12.1" IPS Optically Bonded LCD
Display Resolution	800 x 480 WVGA	800 x 480 WVGA	1280 x 800 WXGA (HD) IPS
Display Type	Multitouch		
Dimensions	210 x 142 x 77mm	244 x 158 x 77mm	314 x 217 x 77mm
Mounting	Top, Flush, Front, Bracket		
Waterproof Rating	IPX6 / IPX7		
Power - Voltage	12V DC (8 V to 16 VDC)		
GNSS / GPS	Built-in GNSS Receiver: GPS/GLONASS - 10Hz 72 Channel External Accessory: RS150 (E70310) - suitable Seatalk NG or NMEA2000 Network required		
Sonar Type (Built-in)	DV model - DownVision™ + 600W RV model - RealVision™ 3D + 600W	RV model - RealVision™ 3D + 600W	RV model - RealVision™ 3D + 600W
Ethernet	x1 Raynet port		

SEE PAGE 14 FOR COMPATIBLE TRANSDUCERS

Adaptor Plates for AXIOM / AXIOM+ series

705-A80524	AXIOM 7 Adaptor Plate for legacy e7/e7D MFDs	£55.00
705-A80525	AXIOM 9 Adaptor Plate for legacy C70 Classic MFDs	£55.00
705-A80526	AXIOM 9 Adaptor Plate for legacy a9x MFDs	£55.00
705-A80527	AXIOM 12 Adaptor Plate for legacy a12x MFDs	£75.00

Rugged all-glass display optimized for flush or surface mounting. Sleek buttonless design with swipe-to-power control

RAYMARINE

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Raymarine®

View the world beneath the boat like never before. Raymarine is a pioneer in digital sonar technology and our latest generation of powerful network sonar modules deliver the latest advances to displays including HD Digital Sonar, CHIRP DownVision™, CHIRP SideVision™ and now you can even view sonar returns on a mobile device.

RVX1000 3D CHIRP

| 705-E70511 | £1,585.00 |

With Raymarine's award winning RealVision 3D sonar technology, CHIRP Side and DownVision, plus a high powered 1kW dual channel CHIRP sonar, the RVX1000 is versatile sonar solution for both inshore and offshore fishing.

- Sonar Type: All-in-one sonar
- Depth Range: Channel Dependent
- Fishing Application: Inshore / Offshore Coastal

Compatible Transducers

RV100, RV200, RV300, RV400, RV212, RV220, RV312, RV320, RV412, RV420

CP570 Professional Sonar

| 705-E70258 | £1,595.00 |

Engineered for serious anglers, the CP570 sonar module bring best-in-class target separation and high resolution CHIRP sonar imagery.

- Sonar Type: Wide Spectrum CHIRP
- Depth Range: 10,000ft (3,000m)
- Fishing Application: Tournament / Professional

Compatible Transducers

Single Element : B75, B175 Series
Two Elements : Call

CP470 CHIRP Sonar

| 705-E70298 | £995.00 |

The CP470 intelligently filters out unwanted noise while producing high resolution fish targets and reliable bottom tracking.

- Sonar Type: Wide Spectrum CHIRP
- Depth Range: 10,000ft (3,000m)
- Fishing Application: Inshore / Offshore Coastal

Compatible Transducers

Single Element : B75, B175 Series
Two Elements : Call

CP370 Digital Sonar

| 705-E70297 | £695.00 |

The CP370 delivers exceptional clarity, sharper fish targets and automatic operation using Raymarine's ClearPulse digital sonar.

- Sonar Type: Digital
- Depth Range: 5,000ft (1,500m)
- Fishing Application: Inshore / Offshore Coastal

Depth 600W		
705-E66008	P79 Adjustable In-Hull Angle	£185.00
705-E66013	P319 Low Profile Thru-Hull	£195.00
705-E66014	B117 Low Profile Thru-Hull	£290.00
Depth / Temperature 600W		
705-E66085	B60 D/T Thru-Hull with 20° Tilted Element	£325.00
705-E66086	B60 D/T Thru-Hull with 12° Tilted Element	£325.00
705-E66077	P319 Depth/Temp Transducer	£175.00
Depth / Speed / Temperature 600W		
705-E66054	P66 D/S/T Transom Mount	£205.00
705-A66091	B744V D/S/T Thru-Hull Retractable (inc. E66023 Fairing)	£620.00
705-A66092	B744VL D/S/T Thru-Hull Retractable (inc. E66023 Fairing)	£670.00
Depth / Temperature High Performane 1KW		
705-E66084	TM258 D/T Transom Mount	£850.00
Speed / Temperature		
705-E66071	P120 S/T Retractable Thru-Hull	£280.00
705-E66072	B120 S/T Low Profile Thru-Hull Retractable	£335.00

CP200 SideVision™ Sonar

| 705-E70256 | | £580.00 |
| 705-E70257 | With CPT-200 SV Txd Pk | £925.00 |

The CP200 CHIRP SideVision™ Sonar uses advanced signal processing to expand your underwater horizon with crystal-clear imagery.

- Sonar Type: CHIRP SideVision™
- Range: 600ft (183m)
- Fishing Application: Freshwater / Coastal

Compatible Transducer

CPT-200

CP100 CHIRP DownVision™

| 705-E70204 | £580.00 |

Dual-channel, high-resolution CHIRP sonar. The CP100's CHIRP DownVision™ delivers a photo like view of the world beneath your boat.

- Sonar Type: CHIRP DownVision™
- Depth Range: 600ft (183m)
- Fishing Application: Freshwater / Coastal

Compatible Transducers

CPT-S, CPT-100DVS, CPT-110, CPT-120

RAYMARINE

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All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

Raymarine®

Quantum 2 Doppler CHIRP Radar

Wi Fi®

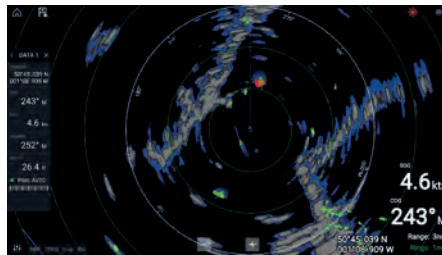| Quantum Q24D Doppler 18" Radar Scanner		
705-E70498	Quantum 2 Q24D - No Cable	£2,145.00
705-T70416	Quantum 2 Q24D with 10m P/Cable & 10m D/Cable	£2,195.00
705-T70417	Quantum 2 Q24D with 15m P/Cable & 15m D/Cable	£2,245.00

- Doppler moving target display allows for superior situational awareness at-a-glance
- Fully automatic ARPA target tracking, along with manual MARPA mode
- Adjustable TrueTrails target history shows the motion history of moving contacts
- CHIRP Pulse Compression detects contacts as close as 18-feet for zero-visibility navigation
- 24-mile range for early detection of traffic, navigation aids, landfall and weather
- Superior interference rejection eliminates noise from other radars

- Simplified installation with Wi-Fi or thin wire network connectivity
- Easy upgrade – Quantum 2 fits the same bolt pattern as other Raymarine scanners
- Lightweight and easy to install – Quantum weighs up to 50% less than comparable magnetron radars
- Safe emissions – mount Quantum anywhere onboard
- Low power consumption for extended battery life under sail
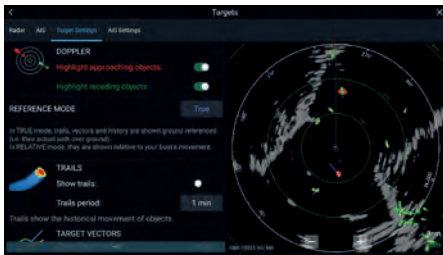
Easy Set Up Options

Full control over Doppler and True Trails display

True Trails Target History Display

Display a historical "wake" behind every moving contact.
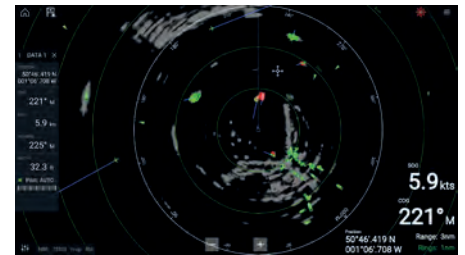
Doppler Target Processing

Inbound targets are red and outbound targets are green

Quantum Q24 CHIRP Radar

Wi Fi®

Quantum Q24C 18" Radar Scanner with Wi-Fi & Ethernet		
705-E70210	Quantum Q24C 18" Radome with 10m Power Cable	£1,845.00
705-T70243	Quantum Q24C 18" Radome with 10m Power & 10m Data Cable	£1,895.00
705-T70266	Quantum Q24C 18" Radome with 15m Power & 15m Data Cable	£1,945.00
705-E70344	Quantum Q24W 18" Radome (Wi-Fi only) with 10m Power Cable	£1,675.00

- Quantum's CHIRP Pulse Compression technology uses multiple compressed radar pulses with FLIR's exclusive ATX advanced target separation technology
- Quantum with ATX displays targets like boats, landmarks, buoys, and weather cells with unsurpassed resolution and separation quality versus traditional magnetron radars
- Excellent short-range detection & enhanced target detail with 6m minimum range
- Superior interference rejection eliminates noise from other radars
- Weighs 50% less than traditional magnetron radars
- Safe Emissions thanks to Quantum's low power solid state transmitter

- Very low power consumption (17W transmit and 7W standby)
- Extended vessel battery life when under sail
- Simple Wi-Fi connection between Quantum & any Raymarine LightHouse™ III powered MFD
- Quantum's small diameter power cable is easy to route through tight spaces
- Easy to upgrade – Quantum uses the same bolt pattern as previous generation radars
- Optional Quantum adapter cable eliminates the need to run new radar cables
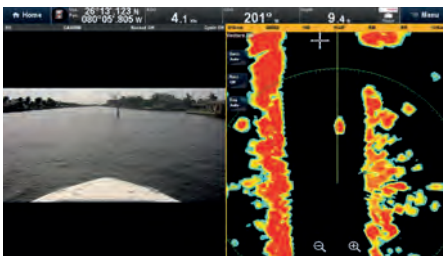
Close Range Detection

The mounting height of your scanner above the water directly impacts the minimum and maximum target detection range. Quantum can detect objects as close as 5.5 metres away.
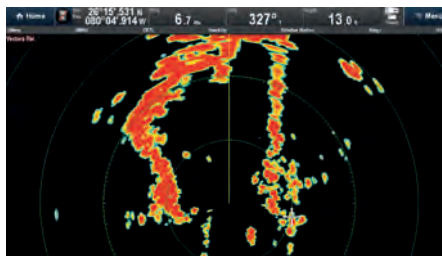
Exceptional Detail and Clarity

Sharp, crisp targets and automatic sea clutter rejection produce radar images with stunning clarity.
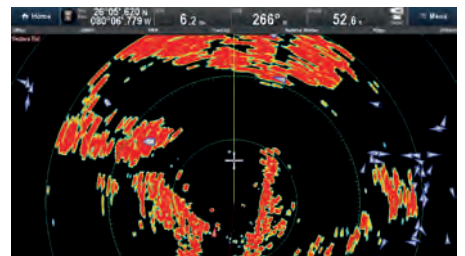
AIS Overlay

Be more aware of your surroundings and other vessels.

Quantum Accessories		
705-A80274	Quantum Data Cable 5m with Raynet conn.	£75.00
705-A80275	Quantum Data Cable 10m with Raynet conn.	£105.00
705-A80310	Quantum Data Cable 15m with Raynet conn.	£180.00
705-A80311	Quantum Data Cable 25m with Raynet conn.	£285.00

705-A80309	Quantum Power Cable 10m with bare wires	£55.00
705-A80369	Quantum Power Cable 15m with bare wires	£80.00
705-A80308	Quantum Power-Data Adapter Cable	£30.00

Raymarine®

Magnum Open Array Scanner
4ft and 6ft Open Arrays

Magnum high performance open array radars bring long range performance and unmatched small target radar imaging to Raymarine multifunction navigation displays. Employing many of the same radar technologies trusted by the United States Coast Guard, Magnum offers enhanced target tracking and reliable performance, all packaged in a sleek open-array pedestal built to withstand the elements.

- Available in 4kW or 12kW power output options with a four-foot or six-foot array.
- Up to 96nm range on 12kW models and 72nm range on 4kW models
- Newly enhanced automatic Bird Mode for locating sea birds above baitfish
- Enhanced radar imaging using Raymarine's patented beam sharpening technology, delivering better than 1-degree bearing resolution for more detailed target separation and superior long range performance.
- Upgraded MARPA target tracking algorithms and fully automatic target acquisition. Magnum employs many of the same radar technologies trusted by the United States Coast Guard
- New True Trails and real-time heading updates
- Full compatibility with the LightHouse 3 OS and Axiom/Axiom Pro MFDs
- Backwards compatible with legacy models including:
  - LightHouse 2-based a, c, e, eS and gS-Series MFDs
  - C-Series Widescreen and E-Series Widescreen MFDs
  - E-Series Classic, G-Series Multifunction Displays

Note: Not all Magnum features are available on all legacy MFDs.

Magnum Pedestals
Available in 4kW & 12kW models.

Open Array sold separately in 4 or 6 ft sizes.

Magnum Open Array Radar Scanners c/w 15m Raynet Cable

705-T70408	4kW 4ft Magnum Open Array	£5,195.00
705-T70410	4kW 6ft Magnum Open Array	£5,695.00
705-T70412	12kW 4ft Magnum Open Array	£6,695.00
705-T70414	12kW 6ft Magnum Open Array	£7,195.00

Magnum Open Array Radar Components

705-E70484	4kW Magnum Pedestal with VCM100	£3,900.00
705-E70487	12kW Magnum Pedestal with VCM100	£5,400.00
705-E70490	Magnum 4ft Open Array	£1,100.00
705-E70491	Magnum 6ft Open Array	£1,600.00
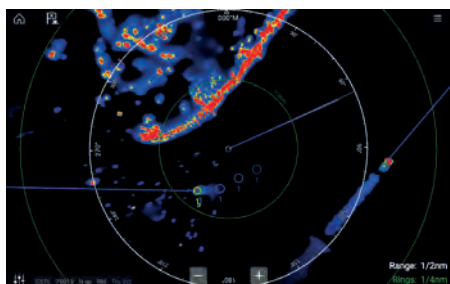
Best in Class Target Tracking

Better situational awareness with fully automatic MARPA target acquisition and tracking. Magnum also makes use of Raymarine's Evolution 9-axis heading sensor technology to deliver real-time, accurate target plots
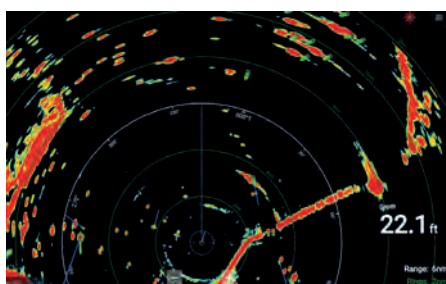
Enhanced Radar Imaging

Raymarine beam sharpening technology delivers better than 1-degree bearing resolution for more detailed target separation, map-like coastal detail, and superior long-range performance.
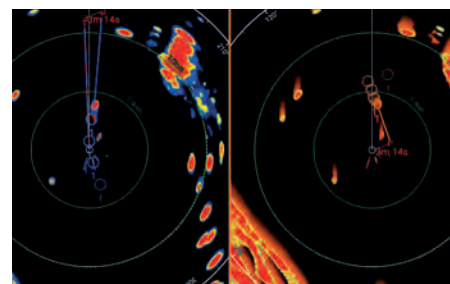
True Trails

True Trails target history enables you to see a historical "wake" behind every moving contact. This additional information makes it even easier to interpret the motion of other vessels and make smart manoeuvring decisions to pass safely.

SCANSTRUT

Scanner Options	Signal processing	Peak power output	Max. Range Scale	Beamwidth Horz / Vert -3dB	Weight kg	256 colours	SeaTalkHS networking	
RADOME								
Quantum Q24C	CHIRP	20W	24	4.9° / 20°	5.6	•	•	Axiom, Axiom+, Axiom Pro, eS Series,and gS Series
Quantum 2 Q24D	CHIRP	20W	24	4.9° / 20°	5.6	•	•	Axiom, Axiom+ and Axiom Pro
18 " HD Color RD418HD	Digital	4 kW	48	4.9° / 25°	9.5	•	•	Axiom, Axiom+, Axiom Pro, eS Series, and gS Series C90W, C120W, and C140W C-Series E80 and E120 E-Series
24 " HD Color RD424HD	Digital	4 kW	48	3.9° / 25°	10	•	•	
OPEN ARRAY								
48" 4kW Magnum	Magnum	4 kW	72	1.85° / 25°	26	•	•	Axiom, Axiom+, Axiom Pro, eS Series, and gS Series
72" 4kW Magnum	Magnum	4 kW	72	1.15° / 25°	29	•	•	
48" 12kW Magnum	Magnum	12 kW	96	1.85° / 25°	26	•	•	
72" 12kW Magnum	Magnum	12 kW	96	1.15° / 25°	29	•	•	

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

RAYMARINE

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AXIOM PRO-S - High CHIRP only

Axiom Pro-S (25-Pin Connector)

25 to 9 Pin A80490

CPT-S (10m-9pin)

AXIOM PRO-S - DownVision / RealVision

Axiom Pro-RVX (25-Pin) CPT/DV/S/RV

AXIOM EXTENSION CABLES	
A80475	3m RealVision 3D Txd Ext. Cable
A80476	5m RealVision 3D Txd Ext. Cable
A80477	8m RealVision 3D Txd Ext. Cable
A80478	0.3m Y-Cable for RealVision 3D Txd
A80515	AXIOM RV 45mm Right Angle Connector for AXIOM Txd

MAX 2 x 8m Extension cables (18m max. overall)

25 to 9 Pin A80490

25 Pin Direct Connect (8m)

25 to 25 Pin RV Extension (3/5/8m) - A80475/76/77 & Y cable A80478

RV Split Y cable A80478

2m

CPT/DV/S (10m-9pin)

RV100/200/300 (8m-25pin)
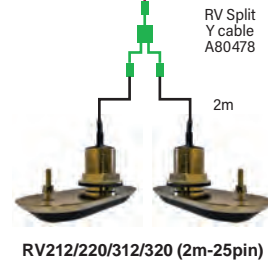
RV212/220/312/320 (2m-25pin)

AXIOM PRO-RVX - 1kW & CHIRP

Axiom Pro-RVX (11-Pin)

11 to 8-Pin A80496

11-Pin Direct Connect

11-Pin A80328

11-Pin Direct connect to Y cable (A102146

11-Pin Direct connect to Y cable E80345

11-Pin Direct connect to Y cable A80345

11-Pin Direct connect to Y cable A80345

11-Pin A80496

CP370 (15m 8pin) (1kw – 50/200kHz)

CP470 Dual Element (1kw-CHIRP)

CP470 Single Element (1kw-CHIRP)

Trans Pair Y cable A102146
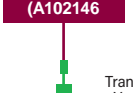
CP470 Single Element Pair (1kw-CHIRP)

Split Y cable E80345

8m

Split Y cable A102146

10m
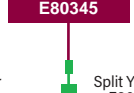
CP470 Single pair +Speed Temp

Split Y cable E80345

10m

Split Y cable A102146

10m

Adaptor A80328
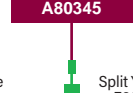
CP470 Single +Speed Temp

Split Y cable E80345

10m

CP470 Dual +Speed Temp

Split Y cable E66022

CP370 & Speed

NOT SUPPORTED DIRECTLY BY AXIOM PRO

Airmar Embedded (10m-7pin)

CPT-200

SEE PAGE 14 FOR COMPATIBLE TRANSDUCERS

RAYMARINE

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TRANSDUCER SELECTION GUIDE

Raymarine®

AXIOM-DV - DownVision/Traditional

AXIOM EXTENSION CABLES

A80475	3m RealVision 3D Txd Ext. Cable
A80476	5m RealVision 3D Txd Ext. Cable
A80477	8m RealVision 3D Txd Ext. Cable
A80478	0.3m Y-Cable for RealVision 3D Txd
A80515	AXIOM RV 45mm Right Angle Connector for AXIOM Txd

Axiom 7 DV (9-Pin connector)
CPT/DV/S Transducers
Airmar embedded (7-Pin)
Airmar CP370 Txd (8-Pin)

Direct connect (9 Pin)

9-Pin to 7-Pin adaptor required A80484

9-Pin to 8-Pin adaptor required A80485

CPT/DV/S (10m-9pin)

Airmar Embedded (10m-7pin)

CP370 (15m 8pin) 50/200kHz 600W
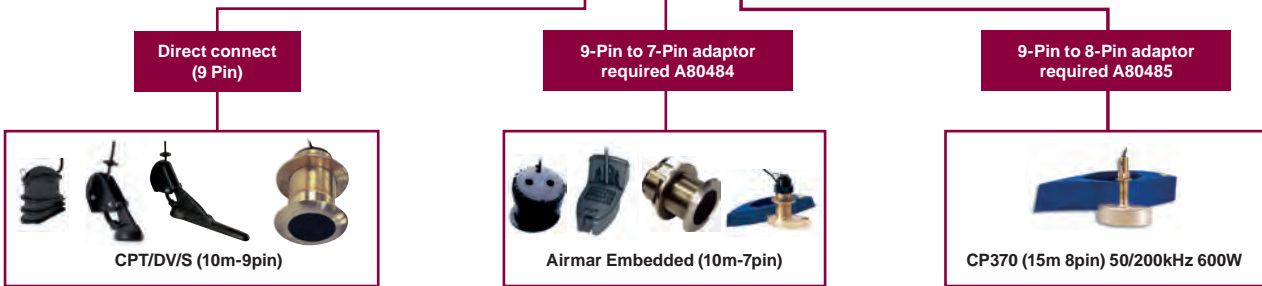
AXIOM RV / AXIOM+ RV - DownVision/RealVision/CHIRP/Traditional

Axiom RV (25-Pin connector)

25 to 9 Pin A80490

25 to 7-Pin A80488

A80488 + A62363

25 to 8 Pin A80489

25 to 25 Pin RV Extension (3/5/8m) (A80475/76/77) & Y cable A80478

25 Pin Direct (8m)

CPT/DV/S (10m-9pin)

Airmar Embedded (10m-7pin)

Minn Kota

CP370 (15m 8pin) 50/200kHz 600W

RV Split Y cable A80478
10m   2m

RV100/200/300 (8m-25pin)

RV212/220/312/320 (2m-25pin)
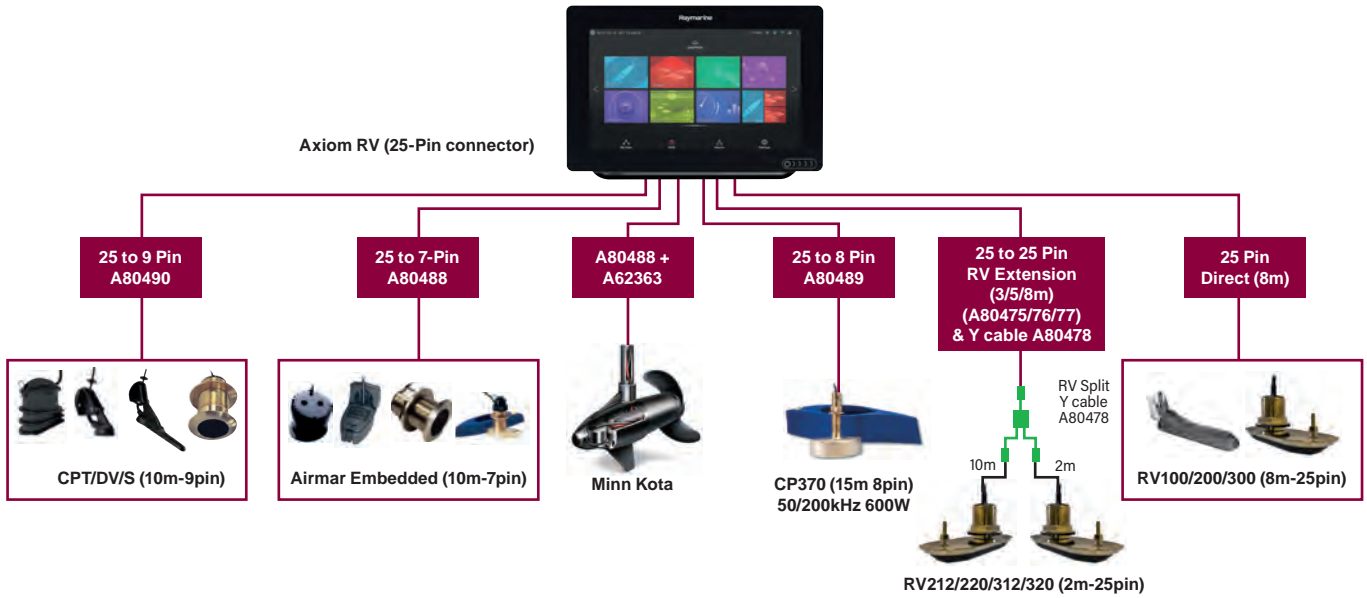
AXIOM RV / AXIOM+ RV - Advanced Connectivity Options

Axiom RV (25-Pin connector)

25 Pin RV Extension (3/5/8m) (A80475/A80476/A80477)

NOT SUPPORTED DIRECTLY BY AXIOM (use CP Module)

CPT-200   CP-470

RV Split Y cable A80492
RV Split Y cable A80478
10m

RV212/220/312/320 (2m-25pin)

RV Split Y cable A80492
8m

RV100/200/300 & CP370

RV Split Y cable A80494
10m   10m

DownVision & CP370

Split Y cable
8m
Split Y cable E66022
10m

CP370 & Speed

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

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DOWNVISION	CPT-S	CPT-S	CPT-100 DVS	CPT-110	CPT-120	CPT-S	CPT-S
Part Number	A80691	E70342	A80351	A80277	A80350	E70339 / A80447/8	A80446 / E70340/1
Installation	In Hull	Transom Mount		Through Hull			
Material	Plastic	Plastic	Plastic	Plastic	Bronze	Plastic	Bronze
Max Depth (ft)	600	900	DV 600 / FF 900	DV 600 / FF 900		900	
Beam Width (L/H)	25°	25°	25°/60°	25°/60°		25°	
Approved Hull Material	Fibreglass	-	Fiberglass | Wood | Metal	Fiberglass | Metal	Fiberglass | Wood	Fiberglass | Metal	Fiberglass | Wood
Cable Length (ft/m)	16.7 / 6	-	33 / 10	33 / 10		33 / 10	33 / 10
Supported Deadrise / Transom Angles	0, 12 or 25° DR	0-90° Transom	0-90° Transom	0-25° Dead rise		0-5° / 7-17° / 15-25° DR	0-5° / 7-17° / 15-25° DR

REALVISION 3D	RV-100	RV-200	RV-300	RV-400	RV-212 /-220	RV-312 /-320	RV-412 /-420
Part Number	A80464	A80465	A80470	A80615	T70318/19	T70320/21	T70450/51
Installation	Transom Mount	Through Hull					
Material	Plastic	Bronze	Plastic	S/Steel	Bronze	Plastic	S/Steel
Max Depth (ft)	3D: 300 | DownVision: 600 | Port: 300 | Starboard: 300 | Conical: 900						
Beam Width (L/H)	3D: 180° | Down: 60° | Conical: 25°						
Approved Hull Material	Fiberglass | Wood | Metal	Fiberglass | Wood	Fiberglass | Metal	Fiberglass | Wood | Metal	Fiberglass | Wood	Fiberglass | Metal	Fiberglass | Wood | Metal
Cable Length (ft/m)	26 / 8	26 / 8	26 / 8	26 / 8	33 / 10	33 / 10	33 / 10
Supported Deadrise / Transom Angles	0-90° Transom	0-5° Dead rise	0-5° Dead rise	0-5° Dead rise	5-15° (RV-212) / 15-25° (RV-220) DR	5-15° (RV-312) / 15-25° (RV-320) DR	5-15° (RV-412) / 15-25° (RV-420) DR

CHIRP Transducers

705-E70342	CPT-S Plastic Conical HIGH CHIRP Transom	£65.00
705-A80691	CPT-S Plastic Conical HIGH CHIRP In-Hull	£150.00
705-E70339	CPT-S Plastic Conical HIGH CHIRP 0° Element Txd	£160.00
705-A80448	CPT-S Plastic Conical HIGH CHIRP 12° Element Txd	£160.00
705-A80447	CPT-S Plastic Conical HIGH CHIRP 20° Element Txd	£160.00
705-A80446	CPT-S Bronze Conical HIGH CHIRP 0° Element Txd	£210.00
705-E70340	CPT-S Bronze Conical HIGH CHIRP 12° Element Txd	£210.00

CP100 CHIRP DownVision™ Sounder Module Transducers

705-A80277	CPT-110 Plastic Thru-Hull CHIRP Txd, Depth & Temp, Direct connect to CP100 & a68/a78 (10m cable)	£315.00
705-A80350	CPT-120 Bronze Thru-Hull CHIRP Txd, Depth & Temp - CP100 (10m cable)	£365.00
705-A80351	CPT-100DVS Transom Mount CHIRP Txd, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable)	£125.00
705-A80273	Extension Cable for CPT100, CPT110 & CPT120 (4m)	£30.00

CP200 CHIRP SideVision™ Sounder Module Transducers

705-A80281	CPT-200 Transom Mount CHIRP Transducer, SideVision™ & Temp, Direct connect to CP200 (10m cable)	£345.00

AXIOM Accessories

705-A80363	CPT-S Trolling Motor Mounting Kit	£30.00
705-R70496	CPT-S Transom Bracket with Hardware	£20.00
705-T70293	Remote Control Keypad (RMK-10) Portrait & Landscape	£365.00
705-A80440	RCR - Remote SD Card Reader and USB Socket	£145.00
705-A80288	GA150 GPS (a9, a12, eS9, eS12 & AXIOM Pro direct connect)	£105.00
705-A80475	3m RealVision 3D Transducer Extension Cable	£85.00
705-A80476	5m RealVision 3D Transducer Extension Cable	£95.00
705-A80477	8m RealVision 3D Transducer Extension Cable	£160.00
705-R70521	RV-100 Transom Mounting Bracket	£55.00
705-A80479	Step Mount for RV-100 RV 3D transom Mount Txd	£55.00
705-A80480	Jack Plate Mount for RV-100 RV 3D TM Txd	£55.00
705-A80482	Spacer Kit for Jack Plate Mount for RV-100 RV3D TM Txd	£25.00

RealVision™ Transducers

705-A80464	RV-100 RealVision 3D TM Txd (8m)	£420.00
705-A80470	RV-300 Plastic Txd 0° (8m)	£795.00
705-T70320	RV-312 Plastic, Port & Stbd 12° (2 x 2m, Y-cable & 8m ext.)	£1,495.00
705-T70321	RV-320 Plastic, Port & Stbd 20° (2 x 2m, Y-cable & 8m ext.)	£1,495.00
705-A80465	RV-200 Bronze Txd 0° (8m)	£995.00
705-T70318	RV-212 Bronze, Port & Stbd 12° (2 x 2m, Y-cable & 8m ext.)	£1,795.00
705-T70319	RV-220 Bronze, Port & Stbd 20° (2 x 2m, Y-cable & 8m ext.)	£1,795.00
705-A80615	RV-400 Stainless Steel Txd 0° (8m)	£1,195.00
705-T70450	RV-412 S/Steel Port & Stbd 12° (2 x 2m, Y-cable & 8m ext.)	£1,995.00
705-T70451	RV-420 S/Steel Port & Stbd 20° (2 x 2m, Y-cable & 8m ext.)	£1,995.00

AXIOM Adaptor Cables

705-A80515	AXIOM RV 45mm Right Angle Connector for AXIOM Txd	£80.00
705-A80484	Adaptor Cable (9 to 7 pin) - 7 pin Airmar (ax7/eSx7 MFD) Txd to AXIOM 7 DV	£55.00
705-A80485	Adaptor Cable (9 to 8 pin) - 8 pin Airmar (CP370) Txd to AXIOM 7 DV	£55.00
705-A80486	Y-Cable (9 to 9 & 7 pin) - DV (CPT-1xx) Txd & Airmar (ax7/eSx7 MFD) Txd to AXIOM 7DV	£100.00
705-A80487	Y-Cable (9 to 9 & 8 pin) - DV (CPT-1xx) Txd & Airmar (CP370) Txd to AXIOM 7DV	£100.00
705-A80488	Adaptor Cable (25 to 7 pin) - 7 pin Airmar (ax7/eSx7 MFD) Txd to AXIOM RV	£55.00
705-A80489	Adaptor Cable (25 to 8 pin) - 8 pin Airmar (CP370) Txd to AXIOM RV	£55.00
705-A80490	Adaptor Cable (25 to 9 pin) - DV (CPT-1xx) Txd to AXIOM RV	£55.00
705-A80491	Y-Cable (25 to 25 & 7 pin) - RV 3D (RV-xxx) Txd & Airmar (ax7/eSx7 MFD) Txd to AXIOM RV	£100.00
705-A80492	Y-Cable (25 to 25 & 8 pin) - RV 3D (RV-xxx) Txd & Airmar (CP370) Txd to AXIOM RV	£100.00
705-A80493	Y-Cable (25 to 9 & 7 pin) - DV (CPT-1xx) Txd & Airmar (ax7/eSx7 MFD) Txd to AXIOM RV	£100.00
705-A80494	Y-Cable (25 to 9 & 8 pin) - DV (CPT-1xx) Txd & Airmar (CP370) Txd to AXIOM RV	£100.00
705-A80496	Adaptor Cable (11 to 8 pin) - 8 pin Airmar (CP370) Txd to AXIOM Pro	£55.00

RAYMARINE

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Raymarine

AIS 4000 Class A Transceiver

| 705-E70601 | £2,595.00 |

- AIS4000 transceiver delivers robust Class A AIS network capability
- Designed for commercial vessels, luxury yachts, and SOLAS high-seas shipping
- Engineered to withstand the harsh weather, shock, and vibration of any vessel class
- Large 5" 800 × 480 high definition colour display
- Integrated Wi-Fi
- NMEA 2000

- Easy-to-use, intuitive interface
- Integrated Man Overboard/PLB alerting and tracking system
- Certified for SOLAS and Inland Waterway applications
- Compact enclosure with NMEA2000 and NMEA0183 connectivity
- Junction box included for expanded shipboard sensor and ECDIS connectivity
- Flexible overhead, bulkhead, desktop, and surface mount options

AIS 700 Class B Transceiver with integrated splitter

| 705-E70476 | £995.00 |

- Full transmit and receive AIS for enhanced situational awareness and safety
- Latest SO-TDMA networking for longer range and faster performance
- Built-in antenna splitter simplifies installation with existing VHF radio antenna
- NMEA2000, NMEA0183, PC and SeaTalkng Compatible
- Software or hardware switchable Silent Mode for enhanced security when needed

AIS 650 Class B Transceiver

| 705-E32158 | £735.00 |

- Class B AIS transciever - Transmits your boat's data to AIS equipped vessels
- Dedicated 50 channel RAIM compliant GPS receiver for superior accuracy
- When privacy or security is required, silent mode turns off your AIS transmitter while still enabling you to see transmissions from other vessels
- SeaTalkNG networking for simple integration
- USB 2.0 port for connection to PC based navigation systems
- SD Card Slot for recording of AIS data
- Built-in NMEA multiplexer simplifies integration with legacy Multifunction Displays, VHF radios and 3rd party devices

AIS 350 Receiver

| 705-E32157 | £425.00 |

- Dual channel receiver only – monitors class A and B AIS vessels
- SeaTalkNG networking for simple integration.
- USB 2.0 port for connection to PC based navigation systems
- Built-in NMEA multiplexer simplifies integration with legacy MFD displays, VHF radios and 3rd party devices
- Multicolour LED indicator for system status and diagnostics
- Rugged, water resistant enclosure designed for easy below deck installation
- Low cost alternative brings AIS safety advantages to a wider range of vessels

AIS FEATURES

TRANSMIT YOUR POSITION
Fitting a Class A or Class B AIS transceiver ensures that you are seen by other AIS equipped vessels.

VESSEL PROTECTION
As part of a suitably configured network, AIS enables owners to be alerted to unauthorised vessel movements.

PORT MANAGEMENT
AIS can be used as a highly effective port management tool allowing easy identification, control and direction of vessels.

COASTAL SURVEILLANCE
AIS and radar can be fused to create effective and efficient coastal tracking, surveillance and safety systems.
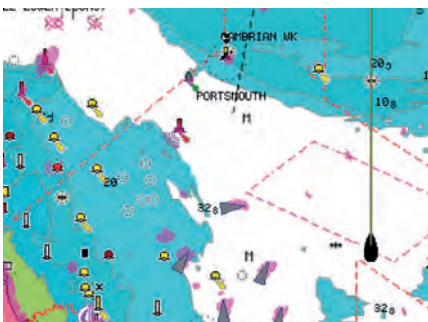
LightHouse II AIS Target Intercept Graphic Overlays

AIS Targets Overlaid on Chart
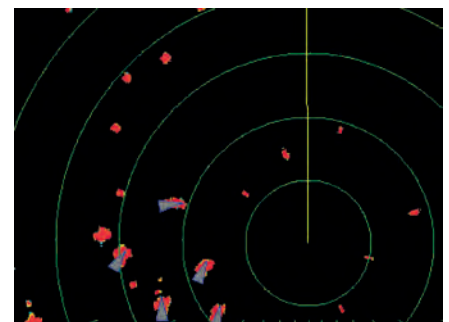
LightHouse II AIS Targets Overlaid on Radar Screen

Raymarine

TillerPilot Autopilots

705-A12004	ST1000+	**£525.00**
705-A12005	ST2000+	**£630.00**

- Easy to use Stand-alone pilots or combine with a SeaTalk/NMEA GPS
- Clear backlit LCD & 6-button keypad
  - ST1000 suitable for boats with laden displacement of up to 3,000kg
  - ST2000 suitable for boats with laden displacement of up to 4,500kg

Evolution EV-100 TillerPilot

705-T70153	**£1,695.00**

- Perfect for large tiller steered yachts up to 6,000 kg displacement
- Compact and unobtrusive Tiller drive unit as used by some of the world's top single-handed sailors
- Includes EV1-sensor core, ACU-100 course computer, p70s control head & Tiller Drive Unit
- SeaTalkNG networking

Evolution EV-100 Wheel Pilot System

705-T70152	**£1,695.00**

- For small to medium sized sailboats with below deck steering systems & with a laden displacement of up to 7500 kg
- Fully enclosed wheel-drive for simple installation & below deck autopilot performance
- Advanced Steering Technology (AST)
- "AutoLearns" vessel's steering characteristics for course keeping and simplified calibration
- Includes EV1 Sensor core, p70s control head, ACU-100 course computer
- Shows pilot status & navigation data from other system transducers
- SeaTalkNG networking

Evolution EV-100 PowerPilot

705-T70154	**£1,595.00**

- Perfect for vessels with single outboard engines & hydraulic steering
- Suitable for installation above or below decks
- Includes EV1-sensor core, ACU-100, P70R control head, & Raymarine's highly efficient 0.5 litre hydraulic pump
- SeaTalkNG networking

COCKPIT AUTOPILOTS								
Pilot Type	**Part No.**	**SRP Inc VAT**	**Max. Displacement kg / lb**	**Vessel Type**	**Pack Contents**			
					EV	**ACU**	**Control Head**	**Drive**
EV-100 Wheel	705-T70152	£1,695.00	7,500 / 16,000	Sail	EV-1	ACU-100	p70 / p70s	Wheel Drive
EV-100 Tiller	705-T70153	£1,695.00	6,000 / 13,200	Sail	EV-1	ACU-100	p70 / p70s	Tiller Drive
EV-100 Power	705-T70154	£1,595.00	N/A	Power	EV-1	ACU-100	p70R / p70Rs	0.5L Hydraulic Drive
EV-150 Hydraulic	705-T70250	£1,365.00	N/A	Power	EV-1	ACU-150	p70R / p70Rs	Type 1 12v Hydraulic Pump only

S100 Wireless Remote

705-E15024	Controller & Base Station	**£440.00**

- Crisp, high contrast 24 x 127 dot matrix display with Signal strength indicator
- Graphical illustration of autopilot mode selected
- Wireless up to 10m from base station - Extend range with additional base stations

Smart Controller Remote

705-E15023	**£600.00**

- Rechargeable Wireless SeaTalk Instrument repeater
- Add and individually customise handsets for additional users
- Wireless up to 10m from base station - Extend range with additional base stations

Raymarine

Inboard Autopilots

The Evolution inboard range consists of autopilot packs designed to suit specific vessel types, steering systems and vessel displacements. Autopilot pack selection is, therefore, determined by:

- Steering system type installed on vessel
- Hydraulic steering systems; match pump to ram (in cc)
- Vessel size and displacement – always take the fully laden displacement of your vessel into account (often 20% above designed displacement)

With this information, the correct pack for your vessel can be selected.

INBOARD AUTOPILOTS							
Drive Units	RAM Capacity cc / cu in	Vessel Displacement kg / lbs	Autopilot Control Unit				
			EV100	EV150	EV200	EV300	EV400
Type 0.5L Hydraulic Pump	50–150 / 3–9	NA	•				
Type 1 Hydraulic Pump	80–230 / 4.9–14	NA		• 12V	•		
Type 1 Mech. Rotary / Linear Dr.		11,000			•		
Type 1 Universal Stern Drives		NA			•		
Type 2 Hydraulic Pump	230–350 / 14–21	NA					•
Type 3 Hydraulic Pump	350–500 / 21–30.5	NA					•
Type 2 Hydraulic Linear		22,000 / 48,000					•
Type 3 Hydraulic Linear		35,000 / 77,000					•
Type 2 Short Mech.Linear Drives		15,000 / 33,000					•
Type 2 Long Mech. Linear Drives		20,000					•
Type 2 Mech. Rotary Drives		20,000 / 44,000					•
Solenoid Drive Units		NA				•	
ZF Saildrive Systems		NA					•

Autopilot Control Heads

705-E70328	p70s - for Sail	£630.00
705-E70329	p70Rs - for Motor	£685.00

p70s is designed for sailing yachts, and offers simple 1 and 10 degree direct course changes at the touch of a button.

p70Rs features a rotary dial control for menu and course changes or directly activate power steer mode and steer manually right.

Follow-On Tiller Steer Control Head

705-A80532	£685.00

Designed for use on Raymarine Evolution Autopilot Systems installed on powerboats only. Not compatible with Evolution wheel drive, tiller drive, or linear drive systems configured for sailing vessels.

Note: M81105 is required.

Rudder Angle Transducer

705-M81105	£265.00

The Rudder Reference transducer is compatible with the ST60+ instruments on the SeaTalk1 network.

The transducer simply connects to the back of one of the ST60+ Rudder Angle Indicator instrument. The Rudder Reference transducer is compatible with the i70, ST70 and ST70+ instruments on the SeaTalkNG network via an iTC-5 transducer converter (sold separately).

Evolution System Packs with Drives, No Control Head
Note MFD or autopilot control head is required

705-T70248	Evolution Wheel Pilot - ACU-100, EV1 Sensor Core, Cable kit & Wheel Drive.	£1,365.00
705-T70249	Evolution Tiller Pilot - ACU-100, EV1 Sensor Core, Cable kit & Tiller Drive.	£1,365.00
705-T70250	Evolution Hydraulic Pilot - ACU-100, EV1 Sensor Core, Cab. kit & 0.5l hydr. pump	£1,365.00

Evolution System Packs with Drives

705-T70154	Evolution Hydraulic Pilot - p70Rs, ACU-100, EV1 Core, Cab. kit & 0.5 litre 12v Hydraulic Pump	£1,595.00
705-T70153	Evolution Tiller Pilot - p70s, ACU-100, EV1 Core, Cable kit & Tiller Drive	£1,695.00
705-T70152	Evolution Wheel Pilot - p70s, ACU-100, EV1 Core, Cable kit & Wheel Drive	£1,695.00
705-T70330	Evolution Hydraulic Pilot - p70Rs, ACU-150, EV1 Core, Cable kit & 1.0 litre 12v Hydraulic Pump	£2,115.00
705-T70157	Evolution Hydraulic Pilot - p70Rs, ACU-200, EV1 Core, Cable kit & 1.0 litre 12v/24v Hydraulic Pump	£2,645.00
705-T70158	Evolution Autopilot - p70s, ACU-200, EV1 Core, Cable kit & Type 1 Mechanical Linear drive	£3,175.00

Evolution System Packs

705-T70281	Evolution Autopilot - p70s & ACU-100, EV1 Core & Cable kit (0.5l Hydraulic, Wheel & Tillerdrives)	£1,365.00
705-T70407	Evolution Autopilot - p70Rs & ACU-150, EV1 Core & Cable kit (1.0l 12v Hydraulic Pump)	£1,495.00
705-T70155	Evolution Autopilot - p70s & ACU-200, EV1 Core & Cable kit (Type 1 drives)	£2,115.00
705-T70156	Evolution Autopilot - p70Rs & ACU-200, EV1 Core & Cable kit (Type 1 drives)	£2,115.00
705-T70160	Evolution Solenoid Autopilot - p70Rs & ACU-300, EV1 Core & Cable kit (Solenoid dr.)	£2,855.00
705-T70164	Evolution DBW Autopilot - p70Rs, EV2 Core & Cable kit (drive by wire systems)	£2,645.00
705-T70214	Evolution DBW Autopilot - p70Rs, EV2 Core & Cable kit (Volvo IPS /Aquamatic)	£2,855.00
705-T70161	Evolution Autopilot - p70s & ACU-400, EV1 Core & Cab. kit (Type 2 & 3 drives)	£2,965.00
705-T70162	Evolution Autopilot - p70Rs & ACU-400, EV1 Core & Cab. kit (Type 2 & 3 drives)	£2,965.00

Evolution Autopilot Basic Components

705-E70096	Evolution EV1 Sensor Core	£740.00
705-E70097	Evolution EV2 Sensor Core	£2,115.00
705-E70098	ACU-100 Actuator Control Unit - 12V	£420.00
705-E70430	ACU-150 Actuator Control Unit - 12V	£630.00
705-E70099	ACU-200 Actuator Control Unit - 12V or 24V	£845.00
705-E70139	ACU-300 Actuator Control Unit - 12V or 24V	£1,795.00
705-E70100	ACU-400 Actuator Control Unit - 12V or 24V	£1,905.00

Hydraulic Pumps

Hydraulic Pumps		
705-E12139	Type 0.5/12v	£635.00
705-M81119	Type 1/24v	£740.00
705-M81120	Type 1/12v	£690.00
705-M81121	Type 2 /12v	£900.00
705-M81122	Type 3/12v	£1,005.00
705-M81123	Type 2/24v	£955.00
705-M81124	Type 3/24v	£1,060.00

Autopilot Drives

Stern Drive Unit		
705-E12026	Universal I/O Drive Unit	£1,055.00
705-M81138	Sterndrive Drive Unit	£1,000.00

Rotary Drive Units		
705-M81135	Type 1/12v Rotary Drive	£1,590.00
705-M81136	Type 2/12v Rotary Drive	£1,695.00
705-M81137	Type 2/24v Rotary Drive	£1,750.00

Hydraulic Linear Drives		
705-E12207	Type 2/12v Hydraulic Linear Drive	£2,810.00
705-E12208	Type 2/24v Hydraulic Linear Drive	£2,860.00
705-M81202	Type 3/12v Hydraulic Linear Drive	£3,125.00
705-M81203	Type 3/24v Hydraulic Linear Drive	£3,180.00

Mechanical Linear Drive Units		
705-M81130	Type 1/12v Short Shaft Linear Drive	£1,800.00
705-M81131	Type 2/12v Short Shaft Linear Drive	£2,065.00
705-M81132	Type 2/12v Long Shaft Linear Drive	£2,065.00
705-M81133	Type 2/24v Short Shaft Linear Drive	£2,065.00
705-M81134	Type 2/24v Long Shaft Linear Drive	£2,065.00

RAYMARINE

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Raymarine®

Ray90 and Ray91
Modular Dual Station VHF Radio

705-T70424	Ray90 VHF and AIS700 Bundle	£1,795.00
705-E70493	Ray 91 VHF Black Box with AIS Rx	£1,055.00
705-E70492	Ray 90 VHF Black Box	£845.00
705-T70433	Ray 90/91 Wireless First Station Kit	£635.00

Raymarine's Ray90 and 91 VHF radios bring multistation communications to whole new levels of power, performance and flexibility. Their black-box design hides the transceiver unit out of sight while offering simple operation from their compact handset stations.

Ray90 and 91 support up to 2 wired handsets/speaker stations, plus up to 3 more wireless stations for simple installation and true walkaround convenience.

Ray91 adds a Class B Automatic Identification System receiver for enhanced awareness of surrounding marine traffic on your chartplotter and radar.

Additional Station Accessories for Ray 63/73/90/91

705-T70432	Wired 2nd Station	£450.00
705-T70434	Wireless 2nd Station	£390.00
705-A80289	RayMic Wired Handset	£190.00
705-A80544	Wireless Handset	£255.00
705-A80291	5m Extension Cable	£80.00
705-A80292	10m Extension Cable	£100.00
705-A80290	15m Extension Cable	£135.00
705-A80542	Passive Speaker	£95.00
705-A80543	Active Speaker	£135.00
705-M95435	External Hailing Horn Speaker	£265.00

RayMic 2nd Station Kit for Ray63/73/90/91

- Compact, full-function second-station
- Enables station-to-station intercom calling between radio and RayMic
- Compact, waterproof handset mounts anywhere inside or out
- Built-in premium quality speaker for crystal-clear audio.

Ray73 Dual Station VHF Radio with GPS, AIS & Loudhailer

705-E70517	£725.00

Ray73 is Raymarine's deluxe traditional VHF radio packed with all of the powerful features of the Ray53 and 63, plus a built-in Automatic Identification System (AIS) receiver along with a loudhailer output.

Add an optional hailing horn for fog signals and voice communication with on-deck crew.

Ray63 Dual Station VHF Radio with Built-in GPS

705-E70516	£495.00

Ray63 has all of the capabilities of the Ray53 on a full-sized radio chassis with a larger LCD screen and controls. Ray63 also supports a full-function RayMic wired remote control or up to 2 RayMic wireless control stations.

Ray53 Compact VHF Radio with Built-in GPS

705-E70524	£415.00

Ray53 is small in size, but big on features and performance. Class D Digital Selective Calling gives you critical distress, safety and convenience features while a built-in GPS/GNSS receiver with external aerial connection makes for simple installation.

	Ray 91	Ray 90	Ray 73	Ray 63	Ray 53
25-Watt marine VHF	●	●	●	●	●
Class D Digital Selective Calling (DSC)	●	●	●	●	●
1-press "Distress" key for emergencies	●	●	●	●	●
NMEA2000 & NMEA0183 data connectivity	●	●	●	●	●
Built-in GPS/GNSS receiver	●	●	●	●	●
Connection point for optional GPS/GNSS antenna (GA150)	●	●	●	●	●
RCA audio output for passive remote speaker	●	●	●	●	●
Surface and trunnion bracket mounting kits included	●	●	●	●	●
Fist mic with quick-access controls and in-mic speaker	●	●	●	●	●
ATIS/Marcom-C compatible (for select European inland waterways)	●	●	●	●	●
European private channels support	●	●	●	●	●
Shared brightness control with Raymarine MFDs and instruments	●	●	●	●	●
Noise canceling fist mic			●	●	
Standard RayMic handset	●	●			
RayMic wired 2nd station compatible	●	●	●	●	
RayMic wireless 2nd & 3rd station compatible	●	●	●	●	
Intercom onboard station-to-station calling	●	●	●	●	
AIS receiver	●		●		
Loudhailer public address output connection	●	●	●		
Fog signaling (manual or automatic with horn and gong sounds)	●	●	●		
Remotely mounted transceiver	●	●			

RAYMARINE

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Raymarine

Element HV®   7", 9" & 12" Sonar/GPS Display

Element 7 HV - 7" GPS/Sonar Combo

705-E70532	Element 7 HV	£595.00
705-E70532-00-202	Element 7 HV - c/w LightHouse d/load chart	£695.00
705-E7053205	Element 7 HV - c/w HV-100 transducer	£695.00
705-E70532-05-202	Element 7 HV - c/w HV-100 transducer & LightHouse d/load chart	£795.00

Element 9 HV - 9" GPS/Sonar Combo

705-E70534	Element 9 HV	£995.00
705-E70534-00-202	Element 9 HV - c/w LightHouse d/load chart	£1,095.00
705-E7053405	Element 9 HV - c/w HV-100 transducer	£1,095.00
705-E70534-05-202	Element 9 HV - c/w HV-100 transducer & LightHouse d/load chart	£1,245.00

Element 12 HV - 12" GPS/Sonar Combo

705-E70536	Element 12 HV	£1,395.00
705-E70536-00-202	Element 12 HV - c/w LightHouse d/load chart	£1,495.00
705-E7053605	Element 12 HV - c/w HV-100 transducer	£1,495.00
705-E70536-05-202	Element 12 HV - c/w HV-100 transducer & LightHouse d/load chart	£1,595.00

Element S®   7", 9" & 12" Navigation Display

Element S Series

705-E70531	Element 7S - 7.0" MFD only	£475.00
705-E70531-00-202	Element 7S - c/w LightHouse d/load chart	£575.00
705-E70533	Element 9S - 9.0" MFD only	£845.00
705-E70533-00-202	Element 9S - c/w LightHouse d/load chart	£945.00
705-E70535	Element 12S - 12.0" MFD only	£1,195.00
705-E70535-00-202	Element 12S - c/w LightHouse d/load chart	£1,295.00

Wi-Fi®

Element HV and S compatible with Quantum Q24W Wireless Radar (E70344) by Wi-Fi connection

QUANTUM RADARS SEE PAGE 10

Models	ELEMENT HV	ELEMENT S
Display Type	Sonar / GPS	Navigation Display
Screen Sizes	7.0" | 9.0" | 12.0"	7.0" | 9.0" | 12.0"
Built-in Sonar	CHIRP Sonar, DownVision (Standard & Hyper), SideVision (Standard & Hyper), RealVision™ 3D (Standard & Hyper)	Single channel High CHIRP Sonar with 9 pin connector. Supports CPT-S transom and thru-hull transducers - **See page 14**
Sensors	GPS | Sonar | Radar (Quantum Wireless Only)	GPS | Sonar | Radar (Quantum Wireless Only)
Networking	NMEA2000 | SeaTalkNG | Wi-Fi	NMEA2000 | SeaTalkNG | Wi-Fi
Cartography	Raymarine LightHouse Charts, Navionics, C-MAP Essentials, C-MAP 4D MAX+	Raymarine LightHouse Charts, Navionics, C-MAP Essentials, C-MAP 4D MAX+

ELEMENT TRANSDUCERS AND ACCESSORIES

HyperVision Transducers

705-A80603	HV-100 HyperVision Transom (200/350/1,200kHz) 6m	£245.00
705-A80604	HV-300TH Transducer Plastic 6m	£295.00
705-R70725	HV-300THP-P HyperVision Thru-Hull Split Txd 12° PORT Plastic 2m	£295.00
705-R70726	HV-300THP-S HyperVision Thru-Hull Split Txd 12° STAR Plastic 2m	£295.00
705-T70448	HV-300THP HyperVision Thru-Hull Txd Pair Plastic 6m 12°	£495.00

Accessories

705-A80557	HV-100 Trolling Motor Mount	£40.00
705-R70741	HV-300 Fairing Block	£30.00

Dragonfly 5 PRO and 7 PRO

Sonar GPS with CHIRP DownVision & CPT-DVS Transom Mount Transducer

705-E70293	Dragonfly 5 PRO – 5" Display	£395.00
705-E70293-EU	Dragonfly 5 PRO – 5" Display c/w EU Navionics Silver Chart	£425.00
705-E70320	Dragonfly 7 PRO – 7" Display	£545.00
705-E70320-EU	Dragonfly 7 PRO – 7" Display c/w EU Navionics Silver Chart	£595.00

- Screen size & resolution :
  - 5.0" - 800x480
  - 7.0" - 800x640
- CHIRP Sonar
- CHIRP DownVision™
- All weather viewable
- Raymarine Wi-Fish app
- Android and iOS compatible
- Save and share sonar screen shots
- Built-in GPS
- LightHouse™ vector & raster chart compatibility
- C-MAP chart compatibility
- microSD card reader
- Navionics Boating & SonarChart Live compatible
- Dual Channel Sonar
- Depth range : 183m CHIRP DownVision™ & CHIRP Sonar models 275m

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

RAYMARINE

Raymarine

i70s Multi-function

705-E70327	£630.00

- Our most advanced & versatile instrument display, with easy to use powerful features
- Sunlight viewable 4" LCD display with 160° viewing angle
- Bonded Screen
- 43mm digits in full screen mode
- AIS repeater & display of AIS targets

- LightHouse™ user interface
- Low power consumption
- Data views include: Wind, Speed, Depth, Tridata, Engine (NMEA 2000), Environment (NMEA 2000), Fuel (NMEA 2000) & Navigation

i60 Wind & CH Wind

705-E70061	Wind Display	£525.00
705-E70062	Close Hauled Wind Display	£525.00

- Complements Raymarine's Multifunction Displays.
- Built-in transducer interface
- Large analogue dials
- 110 x 115mm footprint
- Low power consumption

- NMEA 2000, SeaTalk & SeaTalkng interfaces
- Multiple data source support eliminates potential data conflicts
- Front mounted design for simple installation

i50 Tridata, Depth & Speed

705-E70058	Speed Display	£470.00
705-E70059	Depth Display	£470.00
705-E70060	Tridata Display	£580.00

- For smaller powerboats, yachts & RIBs
- Large numerals and digits
- 110 x 115mm footprint
- Low power consumption
- Built-in transducer interface
- Direct replacement for ST60

- NMEA 2000, SeaTalk & SeaTalkng interfaces
- Multiple data source support eliminates potential data conflicts
- Front mounted design for simple installation

i40 Compact

705-E70063	Speed Display	£230.00
705-E70064	Depth Display	£230.00
705-E70066	Bidata Display	£230.00
705-E70065	Wind Display	£230.00

- For smaller powerboats, yachts & RIBs
- Full integration with Raymarine autopilots & navigation equipment with converter
- Red backlighting for improved night visibility

- SeaTalk interface (SeaTalkng when used with SeaTalk converter)
- Built-in transducer interface
- Large controls for ease of use
- Low power consumption

i70s Systems (Inc.transducers)

705-T70216	i70s System Pack (i70s Instrument & Wind, DST Transducer, iTC-5, 3M backbone, 5 Way Connector, STng power cable & 2 backbone terminators)	£1,480.00
705-T70542	i70s System Pack (Colour instrument & Wind, Depth Txd, & S/T txd), iTC-5, 3M backbone, 5 Way Connector, STng power cable & 2 backbone terminators)	£1,480.00

i50 / i60 Systems (Inc.transducers)

705-E70147	i50 Speed Pack, with P120 Retractable Speed/Temp Thru Hull Transducer	£550.00
705-E70148	i50 Depth Pack, with P319 Depth Thru Hull Transducer	£550.00
705-E70149	i50 Tridata Pack, with P120 & P319 Speed/Temp/Depth Thru Hull Transducer	£790.00
705-E70150	i60 Wind Pack, with Short Arm Vane Transducer	£1,000.00
705-E70153	i50 & i60 Wind, Speed, Depth - 3 x Instrument & 3 x Transducer Pack	£1,960.00

i40 Systems (Inc.transducers)

705-E70140	i40 Speed Pack with P371 Speed/Temp Thru Hull Transducer	£315.00
705-E70141	i40 Speed Pack with ST69 Speed/Temp Transom Mount Transducer	£315.00
705-E70142	i40 Depth Pack with P7 Depth Thru Hull Transducer	£315.00
705-E70143	i40 Depth Pack with P66 Depth Transom Mount Transducer	£345.00
705-E70144	i40 Wind Pack, with RotaVecta Transducer	£475.00
705-E70145	i40 Bidata Pack, with P371 Speed/Temp & P7 Depth Thru-Hull Transducer	£420.00

Wireless Systems (Inc.transducers)

705-T70339	i60, Wireless Wind & backbone kit (E70361, T120, T113-868, E70061, A06049, A06046, A06064, A06031, A06028)	£1,585.00
705-T70340	i70s, Wireless Wind, DST810 & backbone kit (E70361, T120, E70617, T113-868, E70327, A06049, A06036, A06064, A06031, A06028)	£1,905.00
705-T70341	i70s, Wireless Wind, DST810, heading sensor & backbone kit (E70361, T120, E70096, E70617, T113-868, E70327, A06049, A06036,A06064, A06031, A06028)	£2,435.00
705-T70342	i70s, Wireless Vertical Wind, DST810, heading sensor & backbone kit (E70361, T222, E70096, E70617, T113-868, E70327, A06049, A06036, A06064, A06031, A06028)	£3,495.00

Wind Transducer

705-R28170	Short Arm Vane Transducer excluding cable	£370.00
705-E22078	Short Arm Vane Transducer with 30m cable	£505.00

- Wind speed and angle transducer
- Short Arm length : ~300mm
- Compatible with i60, iTC-5, ST60+, ST60

WIRELESS INSTRUMENTS

Race Compass

705-T070-868	T070 Racemaster	£630.00
705-T075-868	T075 Racemaster System	£1,160.00
705-T060	T060 Micro Compass	£315.00
705-T061	T061 Micro Compass System	£365.00

Raymarine's Micro Compass and Racemaster compass systems give you the winning advantage with accurate, reliable readouts. The self-contained Micro Compass' tactical scale give you clear stable figures for port and starboard tacks. Racemaster is a two tier display that displays heading, wind shift indicator, line bias, and race timer. Both compasses are 100% solar powered, install in seconds, and can be easily removed for storage.

Wireless for Racing

705-T215-868	T215 Dual Maxi Display	£1,000.00
705-T210-868	T210 Maxi Display	£1,160.00
705-T113-868	T113 Remote Display	£470.00

Raymarine wireless instruments deliver a tactical advantage to the club racer or ocean navigator alike. In addition to navigation data, Raymarine wireless racing systems deliver polar data, true wind speed and angle, VMG, compass heading and more.

Small screen, large screen and handheld options ensure you have the data you need, where you want to see it.

Wireless for Cruising

705-T110-868	T110 Display	£495.00
705-T111-868	T111 Dual Display	£580.00
705-T112-868	T112 Analogue Display	£580.00

Raymarine's wireless instrument systems offer instant access to accurate depth, wind, speed and GPS data. The displays are simple to install, solar powered, and use Micronet wireless networking to communicate. Micronet MN100 series instruments include single line, dual-line and analogue wind display options. A wide selection of optional transducers, sensors and accessories are available to customise your system.

Micro-Talk Gateway

705-E70361	Micro-Talk Micronet to SeaTalkNG Gateway	£275.00

The Micro-Talk Wireless Performance Sailing Gateway allows you the flexibility to mix-and-match any combination of wired or wireless Raymarine instruments, transducers, multifunction displays and autopilots. Whether you are building a new system from scratch, or expanding an existing system, the Micro-Talk Gateway enables performance-minded sailors to take advantage of the enhanced accuracy and installation convenience offered by Raymarine's wireless, solar-powered wind transmitter options.
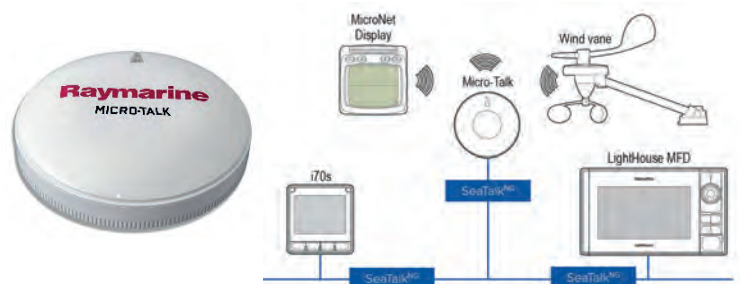
Accessories for Wireless Range

705-T121	T121 Hull Transmitter	£345.00
705-T122	T122 Wireless Interface	£345.00

Transducers for Wireless Range

705-T909	Compass Transducer	£205.00
705-T910	Triducer	£205.00
705-T911	Speed Transducer	£135.00
705-T912	Depth Transducer	£135.00
705-T120	T120 Wireless Wind Transducer	£580.00

Wireless Cruising Systems

Part No.	Description	SSP Inc VAT	System Components								
			T111	T112	T120	T121	T122	T910	T911	T912	T915
705-T100-868	Speed & Depth	£845.00	•			•			•	•	
705-T103-868	Speed & Depth with Triducer	£845.00	•			•		•			
705-T163-868	Power Boat with Transom Triducer	£845.00	•			•					•
705-T106-868	Remote Starter	£630.00	•				•				
705-T101-868	Multi Wind	£1,000.00		•	•						
705-T104-868	Speed, Depth, Wind & NMEA	£2,065.00	•	•	•	•	•		•	•	
705-T108-868	Speed, Depth & Wind	£1,750.00	•	•	•	•		•			
705-T122	NMEA Interface Box – 2 inputs, 1 output	£345.00					•				

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

Raymarine

TRANSDUCERS & NETWORK CABLES

Instrumentation Transducers

DEPTH TRANSDUCERS

705-E26009	P7 D Shorty™ Low Profile Thru-Hull Transducer	£95.00
705-M78713-PZ	P19 LP TH Plastic D Transducer 14m Cable	£110.00
705-E26030	P17 D Thru-Hull Retractable Transducer	£135.00
705-E26027-PZ	P66 D Transom Mount Transducer	£155.00
705-E26001-PZ	P79 D In Hull Transducer	£185.00
705-E26019-PZ	B45 D Thru-Hull Transducer Stem - incl. Fairing Block	£260.00
705-M78717	B17 D Thru-Hull Retractable Transducer	£260.00

DEPTH / SPEED / TEMPERATURE TRANSDUCERS

705-E26006-PZ	ST40 D/S/T Transom Mount Transducer	£185.00
705-A22154	DST800 Analog out 200kHz	£240.00
705-E26028-PZ	P66 D/S/T Transom Mount Transducer	£205.00
705-A26043	B744V D/S/T Thru-Hull Transducer - no fairing block	£420.00
705-A26044	B744VL D/S/T Thru-Hull Transducer - no fairing block	£600.00

SPEED / TEMPERATURE TRANSDUCERS

705-E26005	ST69 S/T Transom Mount Transducer	£110.00
705-E26008	P371 S/T Shorty™ Thru-Hull Transducer	£110.00
705-E26031	ST800/P120 Low Profile Retractable Thru-Hull Txd	£110.00
705-E25025	P120 S/T Low Profile Retractable Thru-Hull Transducer	£185.00
705-M78716	B120 S/T Low Profile Retractable Thru-Hull Transducer	£260.00

WIND TRANSDUCERS & ACCESSORIES

705-Z195	RotaVecta Transducer c/w 20m (65') Cable	£315.00
705-E22078	Short Arm Vane Transducer c/w 30m (97.5') Cable	£505.00
705-R28170	Short Arm Vane Transducer - no cable	£370.00
705-E22079	Long Arm Vane Transducer c/w 50m (162.5') Cable	£630.00
705-A28162	30m Mast Cable & Connector	£120.00
705-A28163	50m Mast Cable & Connector	£195.00
705-R28171	Long Arm Wind Vane Transducer	£475.00
705-T70338	Wireless Wind Kit for STNG (E70361, T120 & T113)	£1,055.00

ITC-5 INSTRUMENT TRANSDUCER CONVERTOR

705-E70010	iTC-5 Instrument Transducer Converter	£280.00

STNG SMART

705-A22112	DT800 12° D/Temp Thru Hull Smart Transducer	£320.00
705-A22165	DT800 0° D/Temp Thru Hull Smart Transducer	£320.00
705-E70617	DST810 0° Depth / Speed / Temperature Smart Txd	£395.00
705-T70278	P79S In Hull Depth Smart Transducer (NMEA 2000 c/w STNG adapter cable)	£370.00

NETWORK ACCESSORIES

STNG CABLES AND COMPONENTS

705-T70134	STNG Starter Kit (A06064, A06031(x2), A06040, A06049)	£100.00
705-E22158	STI to STNG Adaptor Kit (R52131, A06031(x2), A06032(x2), A22164, A06049, A06039)	£120.00
705-T12217	Cable Kit/NMEA2000 Gateway (A06039, A06045, A06064, A06049, A06031(x2))	£120.00
705-R52131	ST1 to STNG Convertor only	£100.00
705-A06049	STNG Power Cable	£20.00
705-A06028	T-Piece Connector	£20.00
705-A06064	5 Way Connector	£30.00
705-A06031	Backbone Terminator	£10.00
705-A06033	Backbone Cable 0.4m	£25.00
705-A06034	Backbone Cable 1m	£25.00
705-A06035	Backbone Cable 3m	£30.00
705-A06036	Backbone Cable 5m	£40.00
705-A06068	Backbone Cable 9m	£50.00
705-A06037	Backbone Cable 20m	£65.00
705-A06030	Backbone Extender	£15.00
705-A06038	Spur Cable 0.4m	£25.00
705-A06039	Spur Cable 1m	£30.00
705-A06040	Spur Cable 3m	£35.00
705-A06041	Spur Cable 5m	£50.00
705-A06072	Spur Cable 6m	£60.00
705-A06074	In-line STNG Terminator	£15.00
705-A06082	DeviceNet (Female) to STNG (Male) Straight Adaptor	£20.00
705-A06083	STNG (Female) to DeviceNet (Male) Straight Adaptor	£20.00
705-A06079	STNG DeviceNet Female to STNG Cable (0.120m)	£30.00
705-A06045	STNG to NMEA 2000 (Female) Adaptor Cable (0.4m)	£30.00
705-A06046	STNG to NMEA 2000 (Male) Adaptor Cable (1.5m)	£30.00

STNG CABLES AND COMPONENTS

705-A06075	STNG backbone to NMEA 2000 (Female) Adaptor Cable (1m)	£30.00
705-A06076	STNG backbone to NMEA 2000 (Male) Adaptor Cable (1m)	£30.00
705-A80674	STNG backbone (Female) to DeviceNet (Socket / Male) 400mm adaptor cable	£30.00
705-A80675	STNG backbone (Female) to DeviceNet (Female) 400mm adaptor cable	£30.00

RAYNET ACCESSORIES

705-A80007	HS-5 Network Switch	£315.00
705-A80161	RayNet (F) to RayNet (F) cable - 0.4m	£60.00
705-A62361	RayNet (F) to RayNet (F) cable - 2m	£60.00
705-A80005	RayNet (F) to RayNet (F) cable - 5m	£75.00
705-A62362	RayNet (F) to RayNet (F) cable - 10m	£110.00
705-A80006	RayNet (F) to RayNet (F) cable - 20m	£150.00
705-A80162	RayNet (M) to RayNet (M) cable - 0.1m	£60.00
705-A62360	RayNet (F) to RJ45 (M) cable - 1m	£55.00
705-A80151	RayNet (F) to RJ45 (M) cable - 3m	£60.00
705-A80159	RayNet (F) to RJ45 (M) cable - 10m	£100.00

ST1 CABLES & ACCESSORIES

705-D244	3 Way SeaTalk Junction Block	£35.00
705-D230	SeaTalk Extension Cable 400mm	£25.00
705-D284	SeaTalk Extension Cable 1m	£30.00
705-D285	SeaTalk Extension Cable 3m	£35.00
705-D286	SeaTalk Extension Cable 5m	£40.00
705-D287	SeaTalk Extension Cable 9m	£50.00
705-E25051	SeaTalk Extension Cable 12m	£65.00
705-D288	SeaTalk Extension Cable 20m	£80.00
705-E55054	SeaTalk Alarm Out Cable 1.5m	£55.00

◆FLIR®

Raymarine®

THERMAL IMAGING BASICS

SAFETY AND SECURITY   Thermal imaging works night and day, in total darkness or bright sunlight, through smoke, dust, and even light fog to keep your passengers and crew safe from hazards and threats.

ENHANCED AWARENESS   See natural and man-made hazards, such as floating debris, rocks, ice, land, bridge abutments, and other vessels.

SEARCH AND RESCUE   Thermal night vision helps you find a person in the water faster than any other night vision technology.

M300 Stabilised Pan & Tilt Thermal IP Cameras

705-E70605	M300C Stab. P&T Low-light	£6,995.00
705-E70528	M332 Stab. P&T Thermal 9Hz	£9,495.00
705-E70519	M364C Stab. P&T Thermal 9Hz	£22,995.00
705-E70521	M364C LR Stab. P&T Thermal 9Hz	£32,995.00

The M300C, M364C, and M364C LR offer superior long-range imaging and positive target identification using a high definition visible camera with 30X optical zoom. Additional ultra-low light capability offers enhanced vision in the most challenging conditions.

Models	M300C	M332	M364C	M364C LR
Thermal Sensor	N/A - Visible camera only	Boson 320	Boson 640	Boson 640
Visible Camera	Low Light HD Visible 30x Zoom	N/A	Low Light HD Visible 30x Zoom	Low Light HD Visible 30x Zoom
Field of View	Optical 63.7° x 35.8°	24°	24°	18°
FLIR Color Thermal Vision (CTV)	No	No	Yes	Yes
FLIR MSX®	No	No	Yes	Yes
Axiom ClearCruise™ Augmented Reality	Yes	Yes	Yes	Yes
Focal Length	129 to 4.3mm	9.1mm	18mm	25mm
Person in the Water		1,500ft (457m)	2,700ft (823m)	4,900ft (1,494m)
Small Vessel		0.67nm (1.3km)	1.2nm (2.2km)	2.1nm (3.9km)

JCU-3 Joystick Control Unit for M100/M200/M300 Thermal Cameras

705-A80510	Joystick Control (JCU-3)	£365.00

JCU–3 keypad enables you to control the camera from additional locations on your vessel, separate from any Raymarine® LightHouse™ multifunction display or IP-capable device running a web browser. Multiple JCU–3 keypads can be installed to control a single camera; a single JCU–3 keypad can control multiple cameras in more complex systems.

JCU-3 Joystick Control Unit
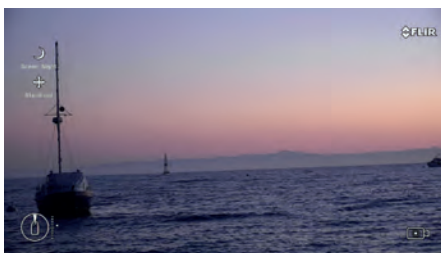
M300 Lowlight camera image

M300 Series Thermal image

M300 Series Colour Night Vision

Raymarine

FLIR AX8 Thermal Monitoring System

705-E70321	AX8 Thermal and Visible Imaging Camera	£1,150.00
705-261231900	AX8 RAM Mount Kit	£60.00

- Stream live thermal video of exhaust manifolds propeller shafts, electrical panels, etc
- FLIR's Exclusive Multi-Spectral Dynamic Imaging (MSX®) creates thermal imaging that is easier to understand
- View thermal, visible, and MSX video imagery on Raymarine LightHouse II & III™ MFDs.
- Program automated temperature spot alarms
- Continuous thermal monitoring with audible and visual alarms
- Connect up to eight AX8 cameras

CAM IP Marine Cameras

705-E70346	CAM 210IP Bullet Camera - 3.6MP	£595.00
705-E70347	CAM 220IP Eyeball Camera - 6.0MP	£525.00

- IP67 Waterproof Full HD video camera
- Up to 1920 x 1080 (FHD)
- High bright IR LEDs for operation in total darkness
- Power over Ethernet (PoE) or direct 12V DC

CAM 210IP

CAM 220IP

Clearcruise AR Augmented Reality

705-T70452	CAM 210 AR Pack	£1,245.00
705-T70453	CAM 220 AR Pack	£1,195.00

- ClearCruise™ AR is bringing enhanced on water perception to Raymarine's family of Axiom® multifunction displays.
- With ClearCruise AR, Raymarine Axiom users can make smarter decisions with navigation objects overlaid directly on Axiom's high definition video display.

- Augmented Reality Packs supplied with :
  - CAM210IP or CAM220IP Marine Camera
  - AR200 IP Camera Stabilisation Module
  - RayNet (F) to RJ45 (M) cable - 10m
  - Backbone Cable 1m
  - STNG T-Piece Connector

Make Smarter Decisions

See critical navigation objects overlaid on HD video. Surrounding AIS-equipped vessel traffic and charted navigation aids are clearly identified with rich graphics on a live, dynamic video image.

Recognise and Respond to Nearby Marine Traffic

Colour-coded labels provide instant identification, status, and risk-assessment Live AIS Targets. ClearCruise AR provides positive identification of AIS equipped vessels on the horizon.

Understand Complex Navigational Situations

Major chart objects are identified for instant, heads-up recognition. ClearCruise AR technology shows you visually where your saved waypoints and marks are located.

See Waypoints in the Real World

Visualize nearby marks and waypoints for easy navigation. ClearCruise AR technology makes it easy to pick out the buoys marking the edges of the safe channel on a hazy day.

GPS ANTENNAS

AR200 Reciever & AHRS Sensor

705-E70537	£525.00

- 28-channel 10Hz GPS receiver
- 9-axis AHRS (attitude and heading reference system) sensor
- WASS, EGNOS, MSAS and GAGAN support
- Enables ClearCruise Augmented reality features on Axiom models with a compatible IP camera
- NMEA 2000 compliant
- IPX6 / IPX7 waterproof rating

GA150 GPS Receiver

705-A80288	£105.00

- 50 channel GPS receiver with 10m cable
- Flush or pole mount capabilities
- WAAS, EGNOS, MSAS and GAGAN support
- Optional external GPS patch antenna for use on all Axiom Pro, Axiom XL, a9, a12, eS9 and eS12 models

RayStar 150 GPS Receiver

705-T70327	RS150 c/w Pole Mount	£300.00
705-E70310	RS150 Antenna Only	£275.00
705-A80370	RS150 Pole Mount	£25.00

- 72-channel 10Hz GPS receiver
- GLONASS, WASS, EGNOS, MSAS & GAGAN support
- SeaTalkng & NMEA2000 compatible (using a device net adapter cable)
- Designed for low profile surface mounting or optional pole mounting
- Optional external GPS patch antenna for use on Axiom and Element Series

RAYMARINE

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THERMAL IMAGING MONOCULARS

Thermal imaging handheld optics generate images based on heat energy—or infrared radiation—rather than visible light. Invisible to the naked eye, infrared radiation is emitted by all humans, animals, and objects, allowing thermal sensors to operate in complete darkness, through glaring light, and in the presence of smoke, fog, or sparse vegetation.
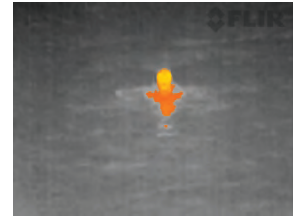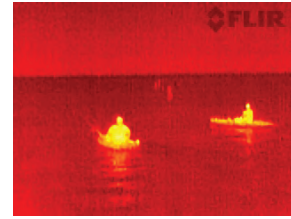
Scion OTM Thermal Monocular

220-7TM-01-F110	Scion OTM130 - 320x240	£2,449.00
220-7TM-01-F120	Scion OTM230 - 320x240	£2,749.00
220-7TM-01-F130	Scion OTM260 - 640x480	£2,949.00
220-7GX-03-F010	GPX310	£199.00
220-7TX-01-F010	GTX100	£299.00

The FLIR Scion® OTM produces 9 Hz thermal imaging and records geotagged video and still images for playback long after the day is done. A rugged, IP67-rated housing and intuitive controls allow single-hand operation in harsh weather conditions, maintaining reliable thermal imaging in the most demanding outdoor environments. Bluetooth and WiFi enabled for video streaming.

Scion Rechargeable Battery Kit

The GPX310 provides up to 10 hours of use, 8.5Ah battery - with smart fuel gauge displayed on screen.

Scion Docking Station

The GTX100 provides a secure lockable dock for the GPX310 battery, and charging station.

Scout III Thermal Imager

220-431-0009-31-00	Scout III - 320 60Hz	£1,799.00
220-431-0019-31-00	Scout III - 640 30Hz	£2,399.00

Scout III can detect humans, animals, and objects in complete darkness, haze, or through glaring light. A rugged IP67 rated housing stands up to harsh weather equipping professionals and enthusiasts with reliable thermal imaging in tough conditions.
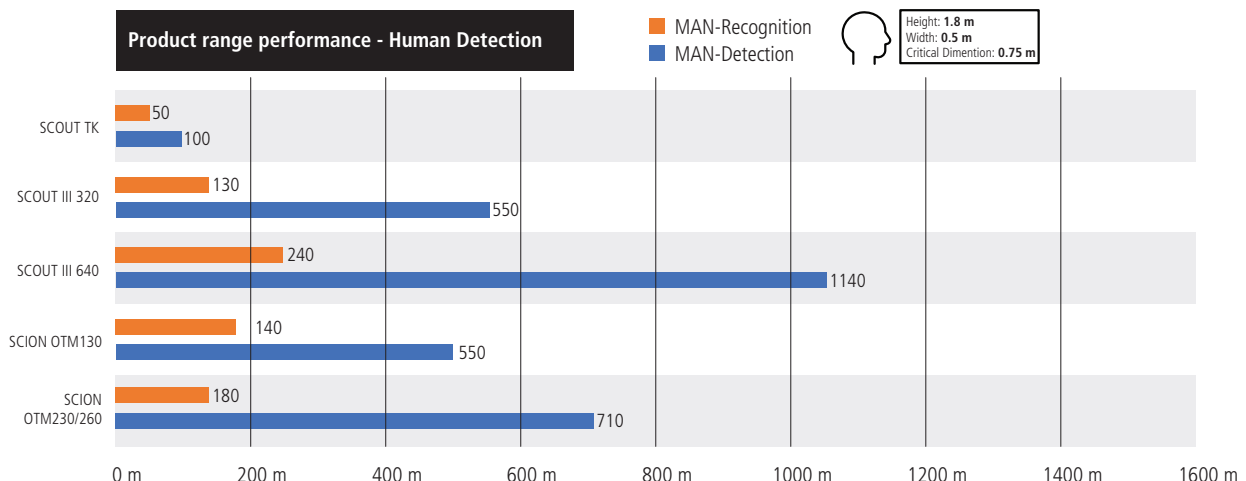
Scout TK Compact Monocular

220-431-0012-21-00S	Scout TK Compact	£589.00

Scout TK reveals your surroundings and helps you see people, objects, and animals over 100 metres away. Simple to use and navigate features. Still image and Video recording. 1000 images and 4 hours of video.

Models	SCOUT TK	SCOUT III 320	SCOUT III 640	SCION OTM 130	SCION OTM 230	SCION OTM 260
DETECTOR	160 × 120 12µm Microbolometer	336 × 256 17µm Microbolometer	640 × 512 17µm Microbolometer	320 × 256 VOx 12µm Microbolometer	320 × 256 VOx 12µm Microbolometer	640 × 512 VOx 12µm Microbolometer
LENS	13 mm Fixed Focus	19 mm Fixed Focus	35 mm Fixed Focus	13.8 mm	18 mm	
FIELD OF VIEW	18° × 14°	17° × 13°	18° × 14°	16° × 12°	12° × 9°	24° × 18°
DETECTION RANGE*	100 m	550 m	1140 m	550 m	710 m	
OPTICAL MAGNIFICATION	1x	1.1x	1.1x	1.5x	1.9x	1.0x
DIGITAL ZOOM	No	2x	2x, 4x	1x, 2x, 4x	1x, 2x, 4x	1x, 2x, 4x, 8x
REFRESH RATE	< 9 Hz	60 Hz	30 Hz	9 Hz	9 Hz	9 Hz
MEMORY				2Gb internal plus microSD slot		
VIDEO CAPABLE	Video Capture	Composite Video Out		Yes, via USB-C cable or WiFi		
POWER	Int. Li-Ion Cell, > 5 hrs	Internal Li-Ion Cell, > 5 hrs		6 x CR123a 3V Lithium battery, Optional rechargeable battery pack		
DIMENSIONS	152 × 51 × 51 mm	170 × 58 × 62 mm		239 × 77 × 61 mm		
WEIGHT	0.17 kg	0.34 kg		unit only 0.45 kg / with battery 0.57 kg		

Product range performance - Human Detection

- MAN-Recognition
- MAN-Detection

Height: 1.8 m
Width: 0.5 m
Critical Dimention: 0.75 m

Model	MAN-Recognition	MAN-Detection
SCOUT TK	50	100
SCOUT III 320	130	550
SCOUT III 640	240	1140
SCION OTM130	140	550
SCION OTM230/260	180	710

0 m — 200 m — 400 m — 600 m — 800 m — 1000 m — 1200 m — 1400 m — 1600 m

All prices SRP inc VAT. For trade prices and stock availability visit www.smgeurope.com

SIMRAD®

75 YEARS OF INNOVATION

SERVICE&
SUPPORT

**Extended Warranty Available on
Simrad Products - Contact Us for Details**

NSS evo3S™

9", 12" and 16" Displays

- iMX 8 integrated processor for superior performance.
- Widescreen SolarMAX™ HD display, offering exceptional clarity and ultra-wide viewing angles
- Reliable control in all conditions; switch seamlessly between multi-touch and a full keypad with rotary dial for full control in all conditions
- Add StructureScan® 3D imaging, advance Broadband Sounder™ capabilities and more via Simrad modules
- Expand your view with Halo™ Pulse Compression radar, Broadband 3G™/4G™, and other Simrad radar solutions
- NMEA 2000® connectivity enables integrated engine monitoring, sound system control and much more
- Built-in Wi-Fi enables online features, smartphone monitoring and tablet control
- Choose flush-mount installation for a low-profile Glass Bridge look, or bracket-mount to install almost anywhere

738-00015405001	NSS9 evo3S, Combo MFD, World Basemap	£2,699.99
738-00015406001	NSS12 evo3S, Combo MFD, World Basemap	£4,319.99
738-00015407001	NSS16 evo3S, Combo MFD, World Basemap	£6,659.99

GO

7", 9" and 12" Displays

- Easy to use multi-touch interface
- Full-featured chartplotter with the widest available cartography support
- Plan smarter with TripIntel™ technology
- Support for Navionics Dock-to-dock Autorouting™* and C-MAP Easy Routing™
- Flush or bracket mount display
- Widescreen with bright LED backlight
- High-speed 10 Hz GPS receiver
- Built-in Broadband Sounder™, CHIRP sonar, Active Imaging™ or ForwardScan™ sonar support (transducer required)
- Built-in wireless connectivity
- NMEA 2000® compatible
- Radar display for Simrad Halo™ dome, and Halo™ open array radar (Excludes GO5)
- Dual microSD card slots (GO9 and GO12 only)

Subscription may be required. Please visit navionics.com for details.

738-00014448001	GO 7" XSR + ROW Basemap	£813.99
738-00014839001	GO 7" XSR + ROW + ACTIVEIMAGING 3-IN-1	£1,029.99
738-00014446001	GO 7" XSR + ROW + HDI Transducer	£864.99

738-00014444001	GO 9" XSE + ROW Basemap	£1,245.99
738-00014841001	GO 9" XSR + ROW + ACTIVEIMAGING 3-IN-1	£1,482.99
738-00014445001	GO 9" XSR + ROW + MED/HI/DWNSCN	£1,307.99
738-00014442001	GO 12" + ROW Basemap	£2,440.99
738-00014835001	GO 12" XSR + ROW + ACTIVEIMAGING 3-IN-1	£2,739.99

Cruise

5", 7" and 9" Displays

- Cruise confidently with simple menus plus easy to use rotary dial and keypad controls
- Always know where you are and where you are going with pre-loaded worldwide basemap, plus C-MAP® and Navionics® upgrade options
- Track the day's boating activity with Simrad® TripIntel™ technology
- Keep important data in view with pre-selected split screens
- CHIRP sonar with excellent automatic depth tracking
- Monitor depth readings, position, battery voltage and other critical boat information

738-00014998001	Cruise 5" + ROW Basemap + 83/200 Transducer	£432.99
738-00014999001	Cruise 7" + ROW Basemap + 83/200 Transducer	£565.99
738-00015000001	Cruise 9" + ROW Basemap + 83/200 Transducer	£741.99

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

R2009/R3016 Radar Control Units
STANDALONE RADAR DISPLAYS

- Dedicated radar control unit
- Compatible with Simrad Halo™ Pulse Compression, Broadband 3G™/4G™ & HD Digital Radar
- Anti-sea-clutter technology for an optimum picture under adverse weather conditions
- MARPA target tracking
- Keypad and rotary-dial interface with 8 direct-access menu keys
- 9-inch portrait display or 16-inch HD widescreen display

- HDMI output for an optional secondary display or remotely-operated 'clone' station (R3016)
- Bracket and flush-mount options
- Ethernet, NMEA 0183 & NMEA 2000 connectivity

S2009/S2016 Series Fishfinder
STANDALONE FISHFINDER DISPLAYS

- Available with 9-inch portrait or 16-inch HD widescreen displays
- Dedicated fishfinder with integrated Broadband Sounder™ module & CHIRP technology
- High depth penetration & ping speed
- High brightness ideal for outside installation
- Vertical heave compensation

- See clearly with White Line, White Marker & Colour Erase features
- Simple operation with 8 direct-access menu keys
- Bracket and flush mounting options (bracket included)
- Ethernet, NMEA0183 & NMEA2000 connectivity

738-00012186001	R2009 9" Portrait Display	**£1,519.99**
738-00012188001	R3016 16" Widecreen Display	**£3,549.99**
738-00012198001	R3016 RCU with Halo™-3 Radar, RI-12 Int	**£7,109.99**
738-00013958001	O2000 Wired Remote Controller - Pro Radar	**£439.99**

738-00012185001	S2009 - 9" Portrait Display	**£1,009.99**
738-00012187001	S2016 - 16" Widescreen Display	**£3,049.99**

SIMRAD

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AIS & VHF

RS40 & RS40-B

- Class-D DSC Approved
- Dual channel AIS receiver
- AIS transmitter (RS40-B only)
- Integrated GPS receiver
- Connect up to two wireless handsets

|		
738-00014470001	RS40 Marine VHF Radio with AIS Receiver	£565.99
738-00014473001	RS40-B Marine VHF Radio with AIS Transmitter and Receiver	£1,109.99
738-00014818001	RS40-B Marine VHF Radio with GPS 500 External GPS	£1,219.99

RS20S DSC VHF Radio

- High visibility LCD with inverted night mode
- Intuitive rotary and keypad controls
- Four-button fist microphone
- Class D DSC Approved
- NMEA 2000® compatible

738-00014491001	£349.99

RS100
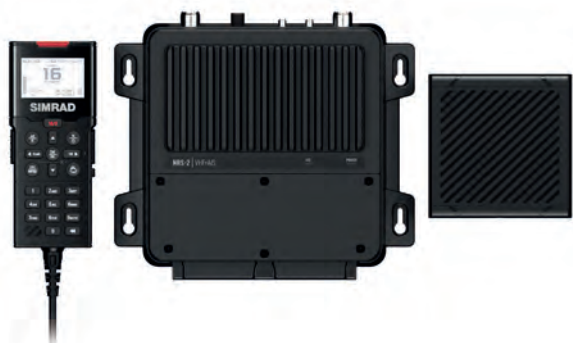
- Modular system with up to 4 wired and 4 wireless handsets
- 60 seconds record and replay
- Class B AIS transmitter and receiver (RS100-B only)

738-00015643001	RS100 VHF	£969.99
738-00015792001	RS100-B Class B AIS VHF	£1619.99

HS40 Wireless Handset

- Wireless handset for the RS40 VHF radio
- Handsets and RS40 work as an on-board intercom
- Inductive charging with the included cradle

738-00014475001	£215.99

V3100 Class B AIS

- Transmit over greater distances with > 5-Watt output power
- Greater transmission reliability in high-traffic areas
- Integrated 'black-box' solution
- NMEA 2000®, dual NMEA 0183, and USB connectivity
- IP67 water-resistant housing
- Built-in SD card slot for AIS data logging

738-00014380001	£939.99

NAIS-500 System Class B AIS

- Class-B Approved AIS Transponder
- Integrates with existing Simrad MFD & VHF
- NMEA 2000® & 0183 connectivity
- IPX7 waterproof & low power consumption

738-00013611001	NAIS-500 Class-B AIS	£782.99
738-00013609001	NAIS-500 Class-B AIS with GPS500 Antenna	£813.99

NSPL-500 Antenna Splitter

- Plug and Play - FM connector for SonicHub™ 2 or any compatible stereo FM unit
- Lightweight (260g) & IPX7 Waterproof
- Low Power Consumption
- The NSPL 500's high-performance design means no insertion loss on AIS and VHF receive, and low insertion loss on AIS and VHF transmit

738-00013612001	£267.99

CAUTION

CAUTION

HAZARD

HALO20

- 24 nm range from a compact 20-inch dome
- Advanced pulse compression technology with beam sharpening
- Simultaneous Dual Range operation sees both near and far
- Easy operation with Harbour, Offshore and Weather modes
- MARPA target tracking (up to 10 targets)
- Ready instantly from standby
- Includes 10m scanner cable

738-00014537001	£2,099.99

HALO20+

- 36 nm range from a compact 20-inch dome
- Advanced pulse compression technology with beam sharpening
- Simultaneous Dual Range operation sees both near and far
- Ultra-fast 60 RPM operation at ranges up to 1.5 nm
- VelocityTrack™ Doppler technology for collision avoidance
- Easy operation with Harbour, Offshore, Weather and Bird modes
- MARPA target tracking (up to 10 targets, 20 in dual range)
- Ready instantly from standby
- Includes 10m scanner cable

738-00014536001	£2,479.99

HALO24

- 48 nm range from a compact 24-inch dome
- The lightest 24'' radar (6.75kg, 14.9lb)
- Advanced pulse compression technology with beam sharpening
- Simultaneous Dual Range operation sees both near and far
- Ultra-fast 60 RPM operation at ranges up to 1.5 nm
- VelocityTrack™ Doppler technology for collision avoidance
- Easy operation with harbour, offshore, weather, and bird modes
- MARPA target tracking (up to 10 targets, 20 in dual range)
- Instantly awake from standby
- Includes 10m scanner cable

738-00014535001	£2,852.99

Halo™ Open Array

- Up to 72NM working range
- Beam Sharpening with Target Separation Control
- Dual range operation
- Advanced signal processing with Custom, Harbour, Offshore, Weather & BIRD modes
- MARPA target tracking, up to 10 targets (20 with dual range)
- High-speed 48RPM operation
- InstantOn, ready in 16-25 seconds from power-on, instant from standby
- Low electromagnetic emissions and radiation
- Low power consumption with 12/24V operation
- Includes 20m scanner cable
- Optional VelocityTrack™ provides instant visual feedback on the motion of moving radar targets in relation to your boat (requires unlock code)

| 738-00011469001	Halo™-3 with 3ft Antenna, RI-12 Int & 20m cable	£6,272.99
738-00011470001	Halo™-4 with 4ft Antenna, RI-12 Int & 20m cable	£6,838.99
738-00011471001	Halo™-6 with 6ft Antenna, RI-12 Int & 20m cable	£7,415.99
738-00014072001	VelocityTrack Unlock Code	£524.99

SIMRAD

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TRANSDUCERS

Active Imaging™ Transducer

- 83/200 kHz Broadband sonar
- Medium/High-frequency CHIRP sonar
- DownScan Overlay
- StructureScan imaging
- Compatible with NSS evo3, SonarHub, GO5/GO7/GO9 XSE & XSR
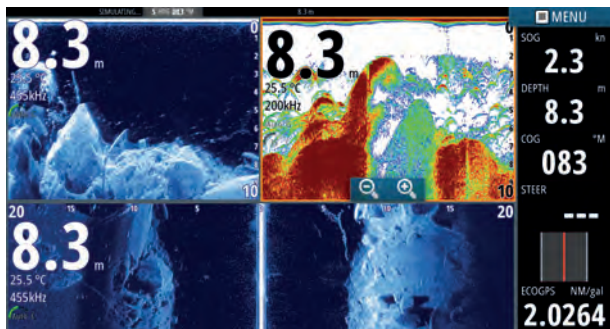
Underwater rocks. Clockwise from top left: DownScan / Broadband Sonar / Sidescan

738-00014814001	Active Imaging™ 3-IN-1 Transducer 1.8m (6ft) cable	£370.99
734-00014490001	Active Imaging™ Transducer	£318.99
738-00014489001	Active Imaging™ 3-IN-1 Transducer	£370.99

ForwardScan®

- Clear view of what's below the surface
- Bottom Colour Tracking for simplified bottom view
- Set up custom warning zones
- Shallow depth alarm
- Built-in temperature sensor
- Through-hull fitting with stainless sleeve
- Simrad NSS evo3, NSO evo2 (via SonarHub) & GO5/GO7/GO9/GO12 compatible
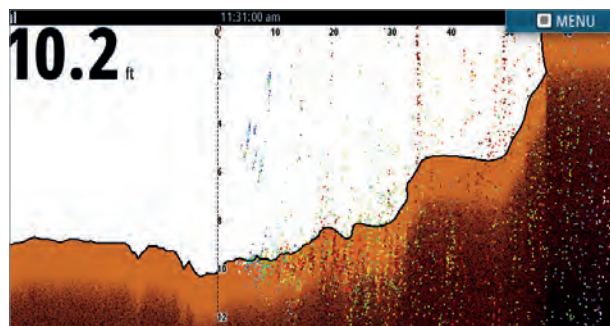
Bottom Colour Tracking offers a solid 2D rendering of the bottom ahead of your vessel for an uncluttered, immediately understandable view.

738-00011674001	Transducer kit with Sleeve and plug	£730.99
738-00011675001	Transducer only - No sleeve or plug	£524.99
738-00013284001	ForwardScan® Long Stem txd with Sleeve & Plug	£1,039.99

Transducer options

738-00010802001	LSS-2 - StructureScan® HD Skimmer® Txd	£287.99
738-00010874001	LSS-HD Skimmer Mount Transducer Bracket	£61.99
738-00011029001	StructureScan® HD Plastic Thru Hull Txd - LSS-2	£648.99
738-00011459001	StructureScan® HD S/steel Thru Hull Txd (Single)	£916.99
738-00011460001	StructureScan® HD S/steel Thru Hull Txd+Y-cable (pair)	£1,492.99
738-00012396001	StructureScan 3D Xdcr	£421.99
738-00012568001	TotalScan Skimmer Mid/High/StructureScan	£339.99
738-00013946001	Xsonic Airmar B45	£319.99
738-00013964001	Xsonic Airmar B258	£849.99
738-00013944001	Xsonic Airmar TM150M	£329.99
738-00013942001	Xsonic Airmar P79	£139.99
738-00013940001	Xsonic Airmar PM275LH-W	£2,229.99
738-00013922001	Xsonic Airmar B150M 20 DEG	£529.99
738-00013921001	Xsonic Airmar B150M 12 DEG	£529.99
738-00013920001	Xsonic Airmar B150M 0 DEG	£529.99
738-00013919001	Xsonic Airmar P66	£169.99
738-00013918001	Xsonic Airmar SS164 20 DEG	£1,279.99
738-00013917001	Xsonic Airmar SS164 12 DEG	£1,279.99
738-00013916001	Xsonic Airmar SS164 0 DEG	£1,279.99
738-00013915001	Xsonic Airmar P319	£169.99
738-00013914001	Xsonic Airmar M260	£1,119.99
734-00014458001	LiveSight Transducer with Mounts	£1,230.99
734-00014898001	LiveSight Down Thru-Hull	£1,939.99

* Simrad NSO evo3 requires a SonarHub and the PSI-1 module for LiveSight compatiblity.

LiveSight PSI-1 Interface

- Performance Sonar Interface - Enables LiveSight Sonar compatibility on Simrad NSO evo3 (also requires SonarHub)

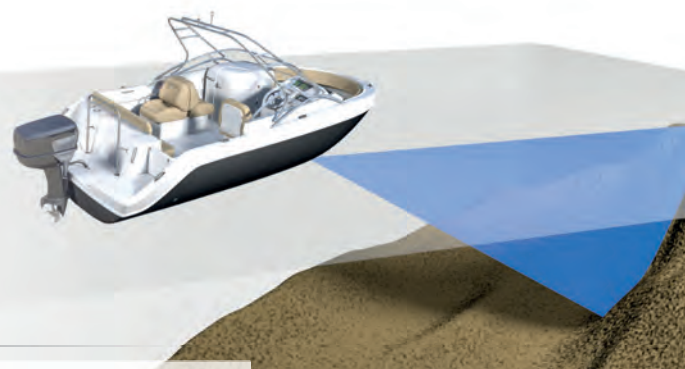|		
734-00014899001	LiveSight PSI-1 Interface	£421.99

8X **MAXIMUM FORWARD VIEW OF 8X YOUR CURRENT DEPTH**
e.g. at 3m (10ft) depth, see up to 24m (80ft) ahead.

4X **NOMINAL FORWARD VIEW OF 4-5X YOUR CURRENT DEPTH**
e.g. at 3m (10ft) depth, see 12-15m (40-50ft) ahead.
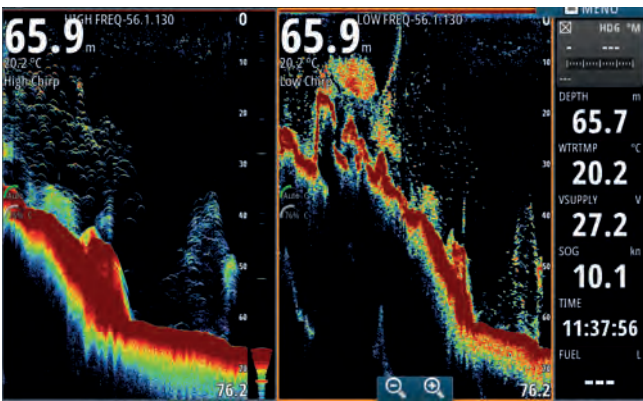
SONAR MODULES

S5100 CHIRP Sonar Module

- Three fully independent sonar channels deliver high-resolution coverage
- Combine any 3 frequency ranges to target multiple depths, including Ultra-Low, Low, Medium, or High CHIRP
- Compatible with wide-angle CHIRP transducers for greater coverage of the water column
- Simultaneous split-screen viewing of multiple depth ranges on your display

- Noise-free clarity at all depth ranges
- Maximum depth of 3,000m (transducer dependent)
- Easy to install with 3 plug-&-play 9-pin transducer connectors

Pinnacles from 420m up to 300m on low frequency. Large bait school and individual fish in the mid water on both frequencies.

738-00013260001		**£1,565.99**

SonarHub Module

- Advanced Simrad Broadband Sounder™ technology offers high performance with low noise
- Simrad CHIRP technology works with traditional 50/83/200 kHz transducers
- Plug-and-play compatibility with Simrad and Airmar transducers

- Three Ethernet ports for connection to multiple Simrad displays
- Dual ports: Connect one single-frequency or CHIRP transducer, plus one StructureScan® HD or ForwardScan® transducer

Reef Fishing at 50M (164ft). Different ping speed between high and low chirp.

738-00011142001	SonarHub Module	**£627.99**

StructureScan® 3D

- Unrivalled SideScan image clarity
- High Definition (HD) and super-wide 3D scanning
- Leading Edge™ Scanning Reference
- SelectScan™ target identification
- Vertical Enhancement Control and Waypoint Overlay
- ScanTrack™ pan-tilt-rotate controls
- Enhanced SideScan Skimmer® transducer design
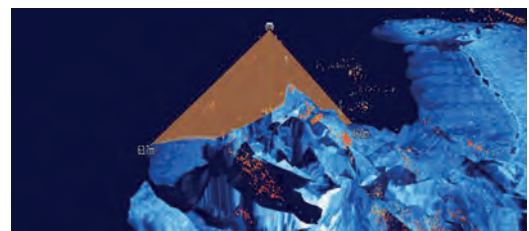
StructureScan3D showing fish-holding around rocky structure. Vertical Enhancement makes smaller structures appear larger and more visible.

738-00012397001	Module only	**£627.99**
738-00012395001	Module & Transom Mount Transducer	**£1,039.99**
738-00013559001	Stainless Steel Thru-Hull Single Transducer	**£1,462.99**
738-00013560001	Stainless Steel Thru-Hull Dual Transducer	**£2,512.99**
738-00012396001	StructureScan 3D Xdcr	**£421.99**
738-00014255001	StructureScan 3D Thru-Hull Txd - M/H CHIRP	**£1,595.99**
738-00014254001	StructureScan 3D Thru-Hull Txd - L/H CHIRP	**£1,595.99**
738-00013559001	StructureScan 3D S/Steel Thru-Hull Txd	**£1,462.99**
738-00013560001	StructureScan 3D S/Steel Thru-Hull Dual Txd	**£2,512.99**

StructureScan3D's ScanTrack view showing two distinct fish groups of varying species or size holding at different depth contours against this drop off.

SUGGESTED BOAT SPECIFICATIONS

Small Runabout

Single station powerboats
up to 26FT

Helm Station **Cruise 9"**

NMEA 2000® Sensors

VHF Radio **RS20S**

Audio **SonicHub®2 and Speaker Pair**

Transducer **HDI**

Autopilot **Simrad Drive Pilot™**
Wireless Autopilot Remote **WR10**
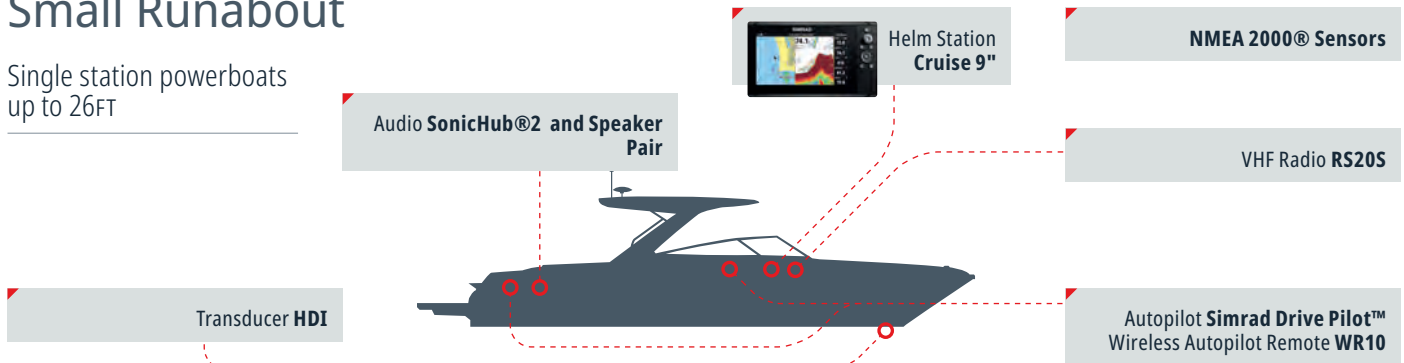
Small & Medium Powerboats

Single station powerboats
from 26-50FT

Helm Station **Dual GO 9"**

NMEA 2000® Sensors

VHF Radio **RS40-B**

Transducer **Active Imaging™**

Autopilot Computer **NAC-3**
Autopilot Controller **AP44**
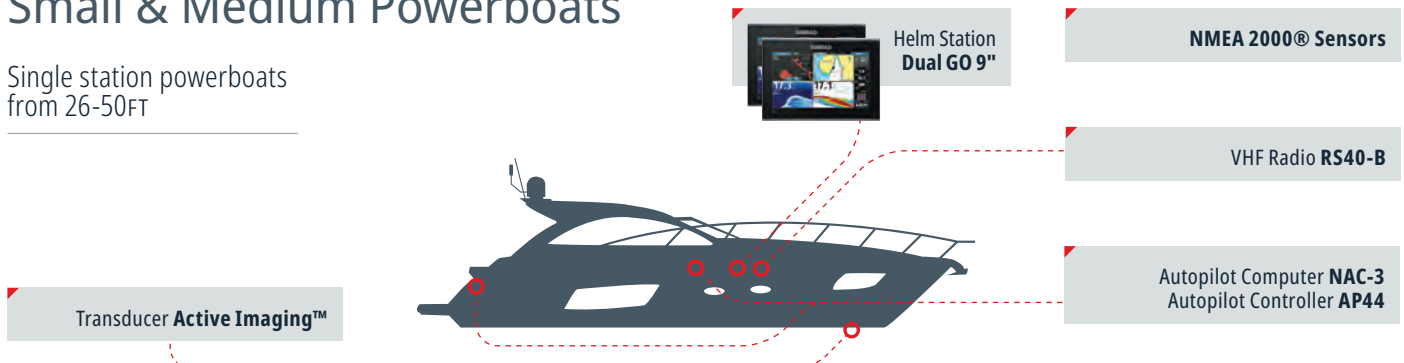
Large Powerboats

Dual station motoryachts
from 40-70+FT

Radar **Halo™ Open Array**

Helm Station **Quad NSO evo3S 19"**

NMEA 2000® Sensors

VHF Radio **RS40-B**

Flybridge **Dual NSO evo3S 16"**

Controller **OP50**

Echosounder Module **S5100**
Transducers **ForwardScan™ + SS60**

Autopilot Computer **NAC-3**
Autopilot Controller **AP44**
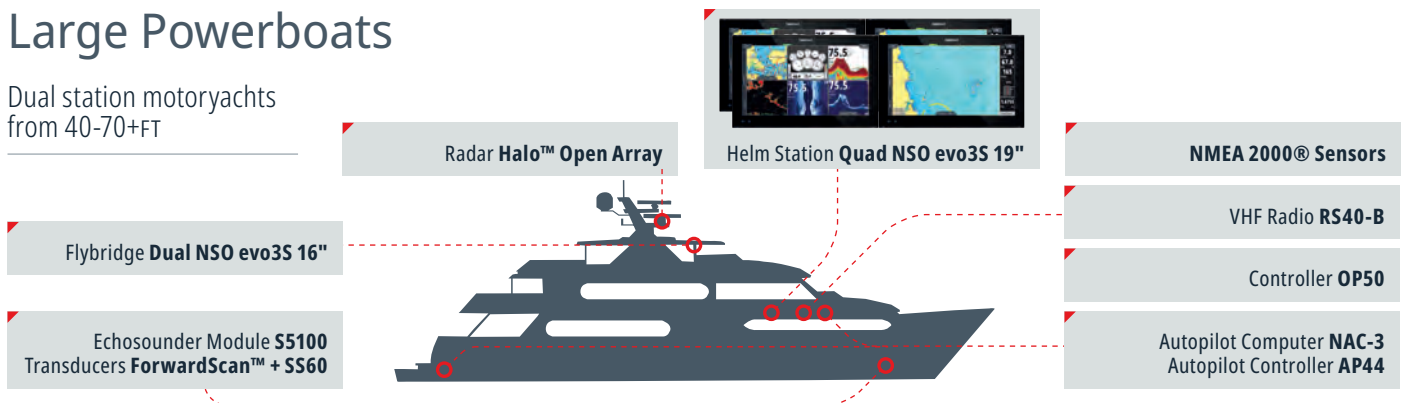
Sportfishing Systems

Single station powerboats
from 20-40FT

Helm Station **Dual NSS evo3S 12"**

Radar **HALO20+**

VHF Radio **RS40-B**

Echosounder Module **S5100**
Echosounder Module
StructureScan® 3D
Transducers **SS175H-W + SS175L CHIRP**

Autopilot Computer **NAC-2**
Autopilot Controller **AP44**

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com
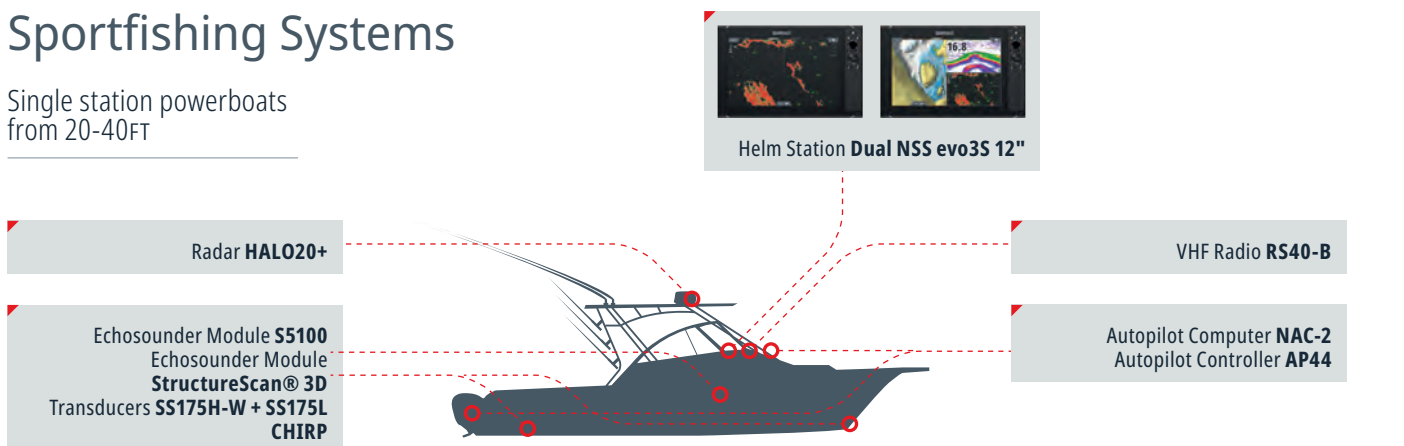
Build Your Autopilot System

16", 19" AND 24" DISPLAYS

AP44 autopilot controller
Set your heading and access advanced pilot modes with the intuitive AP44 Autopilot Controller.

WR10 Wireless Remote
Autopilot control anywhere on board.

Precision-9 Compass
Solid-state compass with heading, rate of turn, pitch and roll output.

NSSevo3S™
Control Simrad® autopilot, sonar, radar, and other accessories.

NAC™-D Digital Steering Autopilot
NAC-D is a steer-by-wire autopilot solution for Electronic Vessel Control Systems (steering systems with a digital interface).

NAC-2 Autopilot Computer
Autopilot computer for low-current drive units, suitable for vessels up to 10 metres/35 feet in length.

Pump-2 Drive Unit
A reversible hydraulic steering pump that works in conjunction with the NAC-2.

Rudder Feedback Unit
Contributes towards smooth and accurate auto-steering by determining rudder angle.

		Simrad® Pilot Heads				Simrad® Remotes			Simrad® Pilot MFD's										Remotes
		AP24	AP28	AP44	AP48	OP10	OP12	QS80, FU80, NFU80	NSE	NSS	NSO	GO Series	NSS evo2	NSS evo3	NSS evo3S	NSO evo2	NSO evo3	NSO evo3S	WR10
Pilot Computers	AC12	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	AC42	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	NAC-1	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✔	✔	✔	✔	✔	✔	✔	✔
	NAC-2	✗	✗	✔	✔	✗	✔	✔	✗	✗	✗	✔	✔	✔	✔	✔	✔	✔	✔
	NAC-3	✗	✗	✔	✔	✗	✔	✔	✗	✗	✗	✔	✔	✔	✔	✔	✔	✔	✔
	NAC -D	✗	✗	✔	✔	✗	✔	✔	✗	✗	✗	✔	✔	✔	✔	✔	✔	✔	✔
	SG05	✔	✔	✔	✔	✗	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

INSTRUMENTS & AUTOPILOTS

AP44 Autopilot Controller

- Optically bonded display with wide viewing angle
- Intuitive autopilot control with simple menu
- Quick and easy rotary-dial course adjustment
- Automated turn patterns for hands-free manoeuvres
- No Drift steering holds your course against wind and tide

738-00013289001	AP44 Autopilot controller	£576.99
738-00013291001	AP44 VRF Medium Capacity Pack	£2,090.99
738-00013562001	AP44 VRF High Capacity Pack	£2,924.99

AP48 Autopilot Controller

- Intuitive autopilot interface with extended keypad
- Large, heavy-duty rotary control dial for precision steering
- Continuum steering technology
- Optically bonded 4.1-inch colour display
- Ultra wide 170-degree viewing angle
- NMEA 2000 compatibility

738-00013894001	AP48 Autopilot controller	£988.99

IS44 - Autopilot Computers		
738-00013249001	NAC-2 Autopilot Computer	£885.99
738-00013250001	NAC-3 Autopilot Computer	£1,565.99

Autopilot Core Packs with Precision-9 Compass		
738-00013337001	NAC-2 VRF Core Pack with NAC-2 & Precision-9	£1,307.99
738-00013338001	NAC-3 VRF Core Pack with NAC-3 & Precision-9	£2,038.99

Autopilot Core Packs with Compass & Rudder Reference Unit		
738-00013335001	NAC-2 Autopilot Core Pack with NAC-2, Precision-9 & RF25 RFU	£1,565.99
738-00013336001	NAC-3 Autopilot Core Pack with NAC-3, Precision-9 & RF25 RFU	£2,296.99

Autopilot Drives		
738-00011770001	PUMP-1 Hydraulic Pump – 0.8L hydraulic pump, suitable for SeaStar helms up to 14ci	£628.00
738-00015444001	PUMP-2 12V DC Hydraulic gear pump. Flow rate 80 cc - 250 cc (NAC-2 / AC12 required).	£730.00
738-00015445001	PUMP-3 12V DC Hydraulic gear pump. Flow rate 160-550 cc (NAC-3 / AC42 required).	£889.99
738-00015446001	PUMP-4 12V DC Hydraulic gear pump. Flow rate 290 - 960 cc (NAC-3 / AC42 required).	£1,300.00
738-00015447001	PUMP-5 24V DC Hydraulic gear pump. Flow rate 290 - 960 cc (NAC-3 / AC42 required).	£1,300.00
738-00010756001	RF25 Rudder Feedback Unit NMEA2000 Rudder Feedback unit compatible with all computers	£298.99
Hydraulic Ram Drives - CALL FOR DETAILS		

AUTOPILOT FEATURES
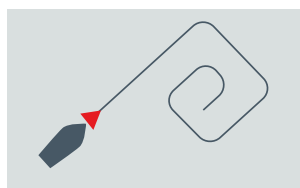
INTEGRATED TURN PATTERNS
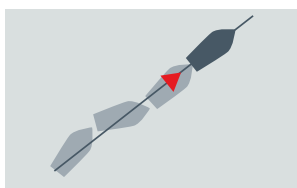
NO DRIFT MODE
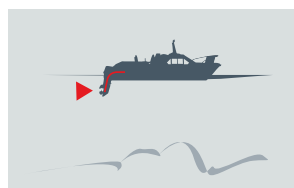
VIRTUAL RUDDER FEEDBACK
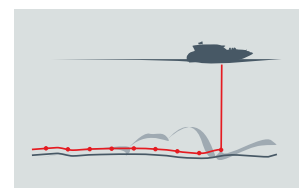
DEPTH CONTOUR TRACKING

DrivePilot / Outboard Pilot

DRIVEPILOT

OUTBOARD PILOT

Do-It-Yourself autopilot packs for fingertip control from any Simrad GO XSE/XSR, NSS evo3 and NSO evo2 multifunction display. Affordable automatic steering for hydraulic-steer and cable steer engines. The DrivePilot provides robust performance in heavier seas with included rate compass.

738-00011750001	DrivePilot Hydraulic Steer Pack	£1,781.99
738-00011748001	Outboard Pilot Hydraulic Pack	£1,256.99
738-00011749001	Outboard Pilot Cable steer Pack	£1,565.99

Tillerpilots

- Waterproof sealing for protection from the elements.
- Extremely quiet, enjoy the silence of sailing
- SimNet compatible, simple-plug-and play installation (TP22 & TP32)

738-TP10	Tillerpilot TP10	£449.99
738-TP22	Tillerpilot TP22 – SimNet/NMEA	£579.99
738-TP32	Tillerpilot TP32 – SimNet/NMEA	£719.99

Tillerpilot Mounting Accessories

738-CB1	Cantilever bracket 135-240 mm (5.31-9.44 in)	£79.99
738-TB30	Tiller bracket 30 mm (1.2 in)	£39.99
738-TB60	Tiller bracket 60 mm (2.4 in)	£39.99
738-TB90	Tiller bracket 90 mm (3.6 in)	£39.99
738-TB120	Tiller bracket 120 mm (4.8 in)	£39.99
738-PB30	Pedestal bracket 30 mm (1.2 in)	£59.99
738-PB60	Pedestal bracket 60 mm (2.4 in)	£59.99
738-PB90	Pedestal bracket 90 mm (3.6 in)	£59.99
738-PRE30	Pushrod extension 30 mm (1.2 in)	£22.99
738-PRE60	Pushrod extension 60 mm (2.4 in)	£22.99
738-PRE90	Pushrod extension 90 mm (3.6 in)	£22.99
738-PRE120	Pushrod extension 120 mm (4.8 in)	£29.99
738-PRE150	Pushrod extension 150 mm (6.0 in)	£29.99
738-PRE300	Pushrod extension 300 mm (12.0 in)	£39.99

WR10 Autopilot Remote & Base Station

- 1 or 10 degree course changes
- Waterproof Bluetooth® base station
- Range of up to 30 metres

| 738-00012316001 | | £462.99 |

IS42 Digital Instrument

- Optically bonded 4.1" colour display with wide viewing angle
- Display wind, speed, depth, engine data, AIS and more
- Intuitive operation with waterproof silicon keys
- Add an OP12 keypad for full Simrad autopilot control

| 738-00013285001 | | £504.99 |

OP12 Autopilot Remote

- Full autopilot control with the IS42
- Waterproof silicon keys
- Easy one-cable installation

| 738-00013287001 | | £329.99 |

IS35 Instrument Display

- Stylish-low-profile design with simple button-driven menus
- Automatically displays data from NMEA 2000 engines and sensors
- Monitor up to two engines per gauge
- Single-cable installation

| 738-00013334001 | | £359.99 |

+ DST-810

| 738-00013293002 | Speed/Depth pack | £99999 |

DST-810

| 738-00015736001 | DST-810 Depth/Speed/Temp Sensor. Bronze thru-hull housing. NMEA2000 | £509.99 |
| 738-00015735001 | DST-810 Depth/Speed/Temp Sensor. Plastic thru-hull housing. NMEA2000 | £400.00 |

SIMRAD

36

ACCESSORIES

HS60 GPS Compass

- Compass and GPS receiver in one
- Tracks heading, position, heave, roll, and pitch
- Suitable for use with Simrad autopilot systems
- 1 m differential positioning accuracy
- Compact flush- or pole-mounted design
- NMEA 2000 connectivity (NMEA 0183 optional)

738-00012308001	**£879.99**

OP50

- Compatible with Go Series, NSS evo3, NSO evo2 or NSO evo3 Multifunction Displays
- High-quality aluminium control dial with built-in cursor functions
- Available in portrait or landscape orientation

738-00012364001	Portrait Mount	**£421.99**
738-00012512001	Landscape Mount	**£421.99**

Precision-9 Compass

- Continual automatic calibration
- Heading, Rate Of Turn (ROT), pitch and roll output over NMEA 2000®
- Accurate and reliable solid-state sensor technology
- Easily adjustable mounting bracket allows bulkhead or up-mast installation

738-00012607001	**£627.99**

SonicHub 2 Marine Audio Server

- 50W x 4 amplifier
- Dual USB ports
- Video output via Composite RCA for playing video files from a USB drive
- Pre-amp Zone 3 and subwoofer outputs
- Dual Stereo AUX input (AUX1, AUX2)

738-00012302001	**£359.99**

WiFi-1 Wireless Module

- Rugged, waterproof device
- Replicate Simrad & B&G MFDs screen on your smartphone
- Control your Simrad & B&G MFDs from your tablet
- Link numerous tablets to your Multifunction Display
- Download apps
- Set user access for ultimate safety

WIFI-1 MODULE

738-00011068001	**£226.99**

NMEA2000 Components

738-00010760001	NMEA 2000 Micro-C Network starter kit	**£82.00**
738-000011979	N2K-MICRO-C, T-JOINER	**£22.00**
738-0001261200	N2K, 4 WAY (Low Loss	**£50.99**
738-000011988	N2KEXT-2RD, Cable, Micro-C, 0.6m (2 ft)	**£31.00**
738-000012753	N2KEXT-6RD, Cable Micro-C, 1.82m (6ft)	**£50.99**
738-000011986	N2KEXT-15RD, Cable, Micro-C, 4.5 m (15 ft)	**£50.99**
738-000011983	N2KEXT-25RD, Cable, Micro-C, 7.5 m (24.5 ft)	**£71.99**

Ethernet Network Components

738-00010029001	NEP-2 Network Expansion Port	**£287.99**
738-000012751	Ethernet cable yellow 5 Pin 1.8 m (6 ft)	**£40.99**
738-000012729	Ethernet cable yellow 5 Pin 4.5 m (15 ft)	**£50.99**
738-000012730	Ethernet cable yellow 5 Pin 7.6 m (25 ft)	**£71.99**
738-000012737	Ethernet cable yellow 5 Pin 15.2 m (50 ft)	**£103.00**

B&G

Sailing electronics
for **cruising** and **racing**

MULTIFUNCTION DISPLAYS

Zeus³S Multifunction Display
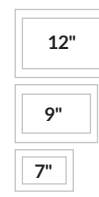**9", 12" & 16" WIDESCREEN TOUCH Displays**

| 16" |
| 12" |
| 9" |

- B&G sailing software
- Multi-touch screen and keypad control
- Fast processing and integrated autopilot controller
- SolarMax HD IPS display for clearer & wider viewing
- Built-in Wi-Fi and internal GPS
- Choice of cartography from C-MAP and Navionics
- Dual Ethernet for chart sharing, Radar, SonarHub, FLIR® cameras and more [1x Ethernet on 9]

738-00015411001	Zeus³S 9	£2,699.99
738-00015412001	Zeus³S 12	£4,319.99
738-00015413001	Zeus³S 16	£6,659.99
738-00015563001	Zeus³S 9 & HALO20+ Bundle	£4,749.99
738-00015564001	Zeus³S 12 & HALO20+ Bundle	£6,149.99

Vulcan Chartplotter
7", 9", 12" MULTI-TOUCH Displays

| 12" |
| 9" |
| 7" |

- Easy to use widescreen multi-touch display
- Dedicated sailing features such as SailSteer, Laylines and RacePanel
- Easy to integrate into an existing system and add basic sailing components
- Broadband Radar™ and ForwardScan™ ready
- Built-in Wi-Fi
- Choice of cartography from C-MAP and Navionics

738-00014082001	Vulcan 7R	£814.00
738-00013214001	Vulcan 9R	£1,090.00
738-00013214006	Vulcan 9R + N. Europe C-MAP Max N	£1,180.00
738-00013214007	Vulcan 9R + S. Europe C-MAP Max N	£1,180.00
738-00014149001	Vulcan 12R	£2,089.99
738-00014154001	Vulcan 12R + N. Europe C-MAP Max N	£2,089.99
738-00014155001	Vulcan 12R + S. Europe C-MAP Max N	£2,089.99

HALO RADAR

HALO20

- 24 nm range from a compact 20-inch dome
- Advanced pulse compression technology with beam sharpening
- Simultaneous Dual Range operation sees both near and far
- MARPA target tracking (up to 10 targets)
- Ready instantly from standby
- Includes 20m scanner cable

738-00014540001	HALO20	£2,099.99

HALO20+

- 36 nm range from a compact 20-inch dome
- Advanced pulse compression technology with beam sharpening
- Simultaneous Dual Range operation sees both near and far
- Ultra-fast 60 RPM operation at ranges up to 1.5 nm
- VelocityTrack™ Doppler technology for collision avoidance
- MARPA target tracking (up to 10 targets, 20 in dual range)
- Includes 20m scanner cable

738-00014539001	HALO20+	£2,479.99

HALO24

- 48NM range from a compact 24-inch dome
- The lightest 24" radar (6.75kg, 14.9lb)
- Pulse compression technology with beam sharpening
- Dual Range operation sees both near and far
- Ultra-fast 60 RPM operation at ranges up to 1.5NM
- VelocityTrack™ Doppler technology for collision avoidance
- Harbour, offshore, weather, and bird modes
- MARPA target tracking (up to 10 targets, 20 in dual range)
- InstantOn technology
- Includes 20m scanner cable

738-00014538001	HALO24	£2,852.99

INSTRUMENTS & AUTOPILOTS

Triton™ 2 Display
Instrument Display

- Bright sunlight-readable colour display
- Display wind, speed, depth, GPS, AIS and more
- Unique sailing features including Sailsteer and Windplot
- Easy to use, easy to install

4.1"

738-00013294001	Triton 2 Display	£504.99

Triton 2 Controller
Instrument Display

- Intuitive operation
- Smart Manoeuvre
- Chartplotter integration
- Intelligent Sail Steering
- Low power consumption

738-00013296001	Triton 2 Controller	£329.99

Triton 2 Packs

Speed / Depth Pack

Includes: Triton 2 Display, DST-810 Speed/Depth/Temp Sensor, Micro-C Backbone kit.

Speed / Depth / Wind Pack

Includes: Triton 2 Display, WS310 wired wind sensor, DST-810 Speed/Depth/Temp Sensor, Micro-C Backbone kit.

Speed / Depth / Wireless Wind Pack

Includes: Triton 2 Display, WS320 wireless wind sensor, DST-810 Speed/Depth/Temp Sensor, Micro-C Backbone kit.

Build your own autopilot system

1. Choose your display

Triton 2 Display		Vulcan™		Zeus 3S™ (Pilot control is integrated)
	or		or	

2. Choose your Triton 2 Pack

Select a Triton 2 Pilot Pack to match your boat (includes computer, compass, rudder feedback unit and network starter kit).

Triton 2 Packs

738-00013249001	NAC-2 Autopilot Computer	£885.99
738-00013250001	NAC-3 Autopilot Computer	£1,565.99
738-00013335001	NAC-2 Core Pack	£1,565.99
738-00013336001	NAC-3 Core Pack	£2,296.99
738-00013337001	NAC-2 VRF Core Pack	£1,307.99
738-00013338001	NAC-3 VRF Core Pack	£2,038.99

NAC-2 and NAC-3 Core Packs include:
Course Computer, Precision-9 Compass, RF25 Rudder Feedback Unit, NMEA 2000 Backbone kit

NAC-2 VRF and NAC-3 VRF Core Packs include:
Course Computer, Precision-9 Compass, NMEA 2000 Backbone kit

3. Choose a drive unit

B&G Pilots are compatible with a number of third-party drive units in addition to B&G models. Consult your B&G specialist.

Drive units

25ft - 37ft boats	SD10 Drive Unit	40ft - 50ft boats	RAM T2 - 12v
26ft - 35ft boats	RAM T0 - 12v	40ft - 50ft boats	RAM T2 - 24v
30ft - 40ft boats	RAM T1 - 12v	50ft+ boats	RAM T3 - 12v
30ft - 40ft boats	DD15 Drive Unit	50ft+ boats	RAM T3 - 24v

738-00013765001	PUMP-2 - Reversible hydraulic steering pump for boats up to 35ft
738-00013766001	PUMP-3 - Reversible hydraulic steering pump for boats up to 50ft. It works in conjunction with the NAC-3 / AC42 autopilot computer as part of an autopilot system

Consult your dealer to confirm the drive suitability for your boat.

WIND SENSORS

WS320
Wireless Wind Sensor

- Easy installation
- Wireless communication
- Smart power management
- Superior data accuracy
- Wind tunnel validated aerodynamics
- Connects to NMEA 2000®
  via remote interface

WS310
Wired Wind Sensor

- Superior data accuracy
- Wind tunnel validated aerodynamics
- 4 cable options from 20m up to 80m
- Connects to instrument network
  via interface

738-00014383001	WS320 Wireless Wind Sensor with Wireless Interface for NMEA 2000	£689.99
738-00014390001	WS320 Wireless Wind Sensor Only	£565.99

738-00014382001	WS310 Wind Sensor with 20m cable	£576.99
738-00014843001	WS310 Wind Sensor with 35m cable	£617.99

Please note that 50m & 80m cables are sold separately.

NEW
WS700
Wireless Wind Sensor

- Easy installation
- Wireless communication
- Smart power management
- Superior data accuracy
- Wind tunnel validated aerodynamics
- Connects to NMEA 2000® via remote interface

738-00014392001	WS710 0.8m Vertical Wind Sensor	£2,259.99
738-00014384001	WS710 Wind Pack 0.8m + 35m Cable	£2,419.99
738-00014393001	WS720 1.1m Vertical Wind Sensor	£2,749.99
738-00014385001	WS720 Wind Pack 1.1m + 35m Cable	£2,909.99
738-00014983001	WS720S Ocean Spec 1.1m Vertical Wind Sensor	£3,019.99
738-00014394001	WS730 1.4m Vertical Wind Sensor	£3,239.99
738-00014386001	WS730 Wind Pack 1.4m + 35m Cable	£3,409.99
738-00014984001	WS730S Ocean Spec 1.4m Vertical Wind Sensor	£3,559.99
738-00014395001	WS740S Ocean Spec 1.8m Vertical Wind Sensor	£4,149.99

Coastal Cruising Example System

25-40ft vessels

WS320 Wind Sensor
738-00014383001

Speed/Depth/Temp Sensor
738-22098552

HALO20 Radar
738-00014539001

H5000 Mast Display
738-00011542001

2 x 12" Zeus³ Displays
738-00013247001
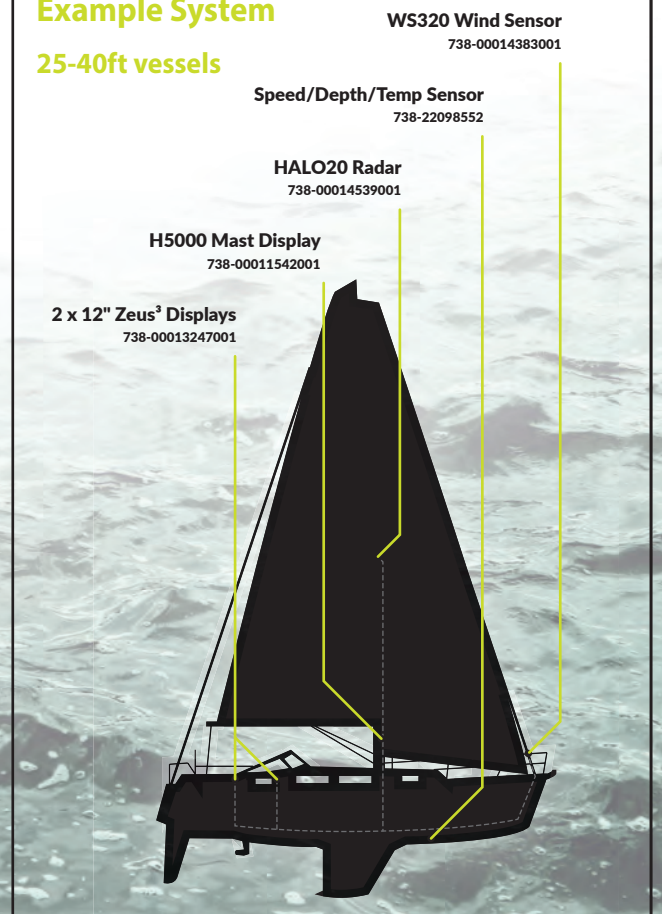
VHF & AIS

V100 & V100-B
VHS Black Box Multi-Station System

- Class D DSC approved VHF radio
- Integrated GPS receiver
- Connect up to 4 wireless and 4 wired handsets
- Add an optional loudhailer and up to 4 external speakers
- NMEA 0183® and NMEA 2000® connectivity
- 60 second audio rewind
- Configurable external speakers with volume offsetting
- Track Buddy – track up to 5 "buddies" using their VHF MMSI

738-00015644001	V100 VHF System	£969.99
738-00015793001	V100-B VHF System	£1,619.99
738-00015648001	H100 VHF Handset & Speaker	£379.99

V60 & V60-B
VHF with AIS

- Class D DSC approved VHF radio with integrated GPS receiver
- Dual channel AIS receiver
- AIS transmitter (V60-B only)
- Removable fist mic supports front or rear connection
- Connect up to two wireless handsets
- NMEA 0183 and NMEA 2000® compatible

738-00014471001	V60 Marine VHF Radio with DSC Receiver	£565.99
738-00014474001	V60-B Marine VHF Radio with DSC AIS Transmitter	£1,109.99
738-00014819001	V60-B Marine VHF Radio with GPS-500 External GPS	£1,219.99

V20S
CLASS D DSC VHF

- High visibility LCD with inverted night mode
- Tri-channel watch function
- Multiple scan modes
- Class D DSC approved
- NMEA 2000® compatible
- Easy bracket or flush-mount installation

738-00014492001	V20S Fixed VHS with Class D DSC & Built-in GPS	£349.99

H60 Wireless Handset

Take remote control of your B&G V60 VHF radio, and enjoy the power of a fixed-mount system with the convenience of a handheld. Easily carried and simple to use, this wireless handset gives you total freedom of movement on board your yacht.

738-00014476001	£215.99

V3100 Class B AIS

- Transmit over greater distances with >5-Watt output power
- NMEA 2000®, dual NMEA 0183, and USB connectivity
- Integrated 'black-box' solution
- IP67 water-resistant housing
- Built-in SD card slot for AIS data logging

738-00014380001	V3100 SOTDMA Class-B AIS	£939.99

NAIS-500 System Class-B AIS

- Class-B approved
- Send & receive
- Integrated solution
- Multiple networking connections
- Waterproof
- Lightweight
- Low power consumption
- Wide voltage range

738-00013611001	NAIS-500 Class-B	£782.99
738-00013609001	NAIS-500 Class-B with GPS500 Antenna	£813.99
738-00013963001	NAIS-500 Class-B with GPS500 Antenna NSPL500	£1,080.99

NSPL-500 Antenna Splitter

- Easy to use, plug and play functionality
- Lightweight and compact unit
- Fully waterproof
- Wide voltage range
- Low power consumption
- No insertion loss on AIS and VHF receive
- Low insertion loss on AIS and VHF transmit

738-00013612001	NSPL-500 VHF Antenna Splitter	£267.99

LOWRANCE®

THE
HDS ULTIMATE
FISHING SYSTEM
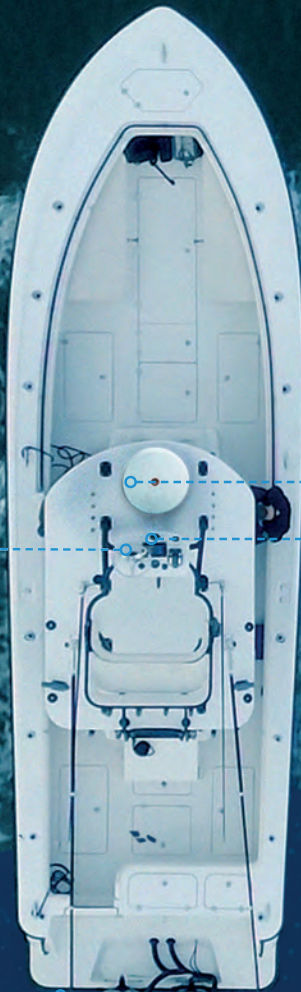
HALO RADAR

HDSLIVE

AUDIO & COMMUNICATION

ACTIVETARGET™
LIVE SONAR

SONAR:
CHIRP, Active Imaging,
DownScan™, SideScan

AUTOPILOT
⊕
ENGINE INTEGRATION

MERCURY   YAMAHA   HONDA MARINE

SUZUKI MARINE   EVINRUDE

HDSLIVE

THE BEST FISHFINDING SONAR ON THE PLANET

- SolarMAX™ HD Screen Technology
- Built-in Low, Medium and High CHIRP
- Integrated support for new Active Imaging™ and StructureScan® 3D with Active Imaging™
- LiveSight™ real-time sonar compatible
- FishReveal™ Smart Target View
- New C-MAP® Genesis Live mapping
- LiveCast™ smartphone integration (HDS LIVE 16/12 only)
- Ghost Trolling Motor Integration
- Touchscreen control of trolling motor, outboard pilot and Power-Pole®
- SonicHub®2 and SiriusXM® Marine Weather/Audio ready
- Mercury VesselView Link ready

734-00014418001	HDS-7 Live + World Basemap	£1,349.99
734-00014419001	HDS-7 Live + World Basemap + Active Imaging 3-in-1 Transducer	£1,559.99
734-00014424001	HDS-9 Live + World Basemap	£2,040.00
734-00014425001	HDS-9 Live + World Basemap +Active Imaging 3-in-1 Transducer	£2,266.00
734-00014430001	HDS-12 Live + World Basemap	£3,166.00
734-00014431001	HDS-12 Live + World Basemap + Active Imaging 3-in-1 Transducer	£3,375.00
734-00014436001	HDS-16 Live + World Basemap	£4,750.00
734-00014437001	HDS-16 Live + World Basemap + Active Imaging 3-in-1 Transducer	£4,958.00

ELITE FS

TARGETING FISH JUST GOT EASIER

- New! ActiveTarget Live Sonar ready
- Active Imaging 3-in-1 ready
- FishReveal
- C-MAP Easy Routing™, Navionics® Autorouting capability
- C-MAP Genesis Live Real-Time Mapping
- Multitouch
- Halo® 20, 20+ and 24 Radar compatible
- Wide range of mapping options including C-MAP, Navionics® and more
- Touchscreen control of MotorGuide® Xi5 trolling motors and Power Pole shallow water anchors
- SonicHub®2 Audio Server ready
- Engine integration and outboard pilot control
- Wireless connectivity
- Full Ghost Trolling Motor integration
- Full networking
- Easy to use, easy to install

7" and 9" Displays

734-00015689001	Elite FS 7 Active Imaging 3-IN-1 transducer ROW	£1,159.99
734-00015697001	Elite FS 7 HDI transducer ROW	£939.99
734-00015702001	Elite FS 7 excluding transducer ROW	£889.99
734-00015693001	Elite FS 9 Active Imaging 3-IN-1 transducer ROW	£1,289.99
734-00015706001	Elite FS 9 excluding transducer ROW	£1,069.99

HOOK REVEAL

A REVELATION IN EASY FISHFINDING

- FishReveal™ Smart Target View
- Genesis Live Real-Time Mapping
- Autotuning sonar
- Double the sonar coverage of other fish finders
- New fishfinding colour palettes
- Mapping options include C-MAP, C-MAP Genesis, Navionics® and more
- MicroSD card slot
- Easy front-dash or gimbal-bracket mount
- Full chartplotter and basic GPS Plotter models
- Tripleshot™ sonar with High CHIRP, SideScan and DownScan Imaging™. For deep water performance, 50/200 HDI sonar with FishReveal™ & Downscan Imaging™ or 83/200 HDI sonar

734-00015502001	HOOK Reveal 5 50/200 HDI – Low/High CHIRP / DownScan Chartplotter	£359.99
734-00015504001	HOOK Reveal 5 83/200 HDI – Med/High CHIRP / DownScan Chartplotter	£329.99
734-00015516001	HOOK Reveal 7 50/200 HDI – Low/High CHIRP / DownScan Chartplotter	£469.99
734-00015518001	HOOK Reveal 7 83/200 HDI – Med/High CHIRP / DownScan Chartplotter	£449.99
734-00015520001	HOOK Reveal 7 TripleShot – High CHIRP / SideScan / DownScan Chartplotter	£539.99
734-00015527001	HOOK Reveal 9 50/200 HDI – Low/High CHIRP / DownScan Chartplotter	£609.99
734-00015531001	HOOK Reveal 9 TripleShot – High CHIRP / SideScan / DownScan Chartplotter	£669.99

5", 7", 9" and 12" Displays

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

TRANSDUCER GUIDE

TRANSOM MOUNT

Transducer	Frequency	HDS LIVE	HDS Carbon	Elite FS	Elite Ti²	Elite Ti	HOOK Reveal	HOOK²	Part Number	
Active Imaging 3-in-1	Med/High CHIRP / SideScan / DownScan	✓	✓	✓	✓				734-00014489001	£370.99
Active Imaging 3-in-1 (6 foot cable)	Med/High CHIRP / SideScan / DownScan	✓	✓	✓	✓				738-00014814001	£370.99
Active Imaging 2-in-1	SideScan / DownScan	✓	✓	✓	✓				734-00014490001	£318.99
LiveSight	LiveSight Transducer with Mounts	✓	✓*						734-00014458001	£1,230.99
ActiveTarget™	ActiveTarget transducer with Mounts	✓	✓	✓					734-00015593001	£1,789.99
High Speed Skimmer	Med/High CHIRP	✓	✓	✓	✓	✓	✓	✓	738-00014884001	£92.99
High Speed Skimmer	Low/High CHIRP	✓	✓	✓	✓	✓	✓	✓	738-00014885001	£164.99
HDI Skimmer (Lowrance Blue)	Med/High CHIRP / DownScan	✓	✓	✓	✓	✓	✓	✓	734-00012570001	£133.99
HDI Skimmer	Low/High CHIRP / DownScan	✓	✓	✓	✓	✓	✓	✓	738-00012569001	£267.99
StructureScan 3D	3D / Sidescan / DownScan	✓	✓						738-00012395001	£1,039.99
Bullet Skimmer	200 kHz							✓	738-00014027001	£50.99
SplitShot	High CHIRP / DownScan							✓	734-00014028001	£102.99
TripleShot	High CHIRP / SideScan / DownScan							✓	738-00014029001	£174.99

* HDS Carbon requires LiveSight PSI-1 for LiveSight Sonar compatilbility

THRU-HULL

Transducer	Frequency	HDS LIVE	HDS Carbon	Elite FS	Elite Ti²	Elite Ti	HOOK Reveal	HOOK²	Part Number	
LiveSight	LiveSight Down Thru-Hull	✓	✓*						734-00014898001	£1,939.99
StructureScan 3D (Stainless steel, single)	3D / SideScan / DownScan	✓	✓						738-00013559001	£1,462.99
StructureScan 3D (Stainless steel, pair)	3D / SideScan / DownScan	✓	✓						738-00013560001	£2,512.99
StructureScan HD (Plastic, single)	SideScan / DownScan	✓	✓						738-00011029001	£648.99
StructureScan HD (Stainless steel, single)	SideScan / DownScan	✓	✓						738-00011459001	£916.99
StructureScan HD (Stainless steel, pair)	SideScan / DownScan	✓	✓						738-00011460001	£1,492.99
StructureScan 3D (Stainless steel, single)	Low/High CHIRP / 3D / SideScan / DownScan	✓	✓						738-00014254001	£1,595.99
StructureScan 3D (Stainless steel, single)	Med/High CHIRP / 3D / SideScan / DownScan	✓	✓						738-00014255001	£1,595.99
TotalScan (Stainless steel, single)	Low/High CHIRP / SideScan / DownScan	✓	✓	✓	✓	✓			738-00014259001	£761.99
TotalScan (Stainless steel, single)	Med/High CHIRP / SideScan / DownScan	✓	✓	✓	✓	✓			738-00014257001	£761.99
Bronze HDI	Low/High CHIRP / DownScan [0° tilt]	✓	✓	✓	✓	✓			738-00013905001	£535.99
	Low/High CHIRP / DownScan [12° tilt]	✓	✓	✓	✓	✓			738-00013906001	£535.99
	Low/High CHIRP / DownScan [20° tilt]	✓	✓		✓	✓			738-00013907001	£535.99

* HDS Carbon requires LiveSight PSI-1 for LiveSight Sonar compatilbility

ACTIVETARGET

See high-resolution images of fish swimming around structure and responding to your lure – as it happens – with new ActiveTarget Live Sonar.

- Get three views from one transducer: Forward view ahead of your boat, Down view below your boat or Scout view – an ultra-wide, overhead view in front of your boat
- See how fish are positioned in and around structure and watch them respond to your lure as it happens
- High-resolution live images remove the guesswork from sonar interpretationKnow whether fish are active
- Compatible with HDS LIVE, HDS Carbon and Elite FS

734-00014899001	£421.99

GHOST TROLLING MOTOR

- Total integration with your system - control speed, steer, set up route navigation or anchor where you are from HDS LIVE, HDS Carbon and Elite Ti2 displays
- Near-silent operation
- Fully configurable foot pedal with Anchor and Heading Mode switches and battery level indicator
- 360˚ Breakaway Mount absorbs impacts and automatically repositions itself

734-00014937001	Ghost Trolling Motor 47”	£3,509.99
738-00014938001	Ghost Trolling Motor 52”	£3,809.99
738-00015480001	Ghost Trolling Motor 60”	£4,019.99
734-00015468001	Ghost Trolling Motor Remote	£139.99

SYSTEM EXAMPLES

KAYAK
< 15FT

Display
5" HOOK Reveal

VHF Link-6S

Transducer HDI

SMALL RUNABOUT
10-35FT

Helm Display
9" HOOK Reveal

Radar HALO20

VHF Link-6S
AIS NAIS-500

Trolling Motor Ghost

Transducer HDI
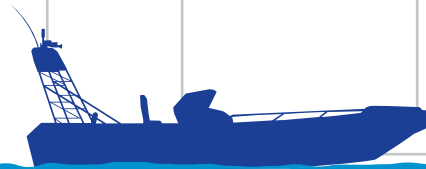
SMALL SPORTFISHER
35-60FT

Helm Display
2 x 9" Elite FS

Radar HALO20+
Autopilot AP70
VHF Link-6S
AIS NAIS-500

Transducer HDI

Transducer HDI

LARGE SPORTFISHER
55FT +

Helm Display
2 x 12" HDS LIVE

Transducer HDI

Autopilot AP70
VHF Link-9 + Link-2 Wireless Handset
AIS NAIS-500

Radar HALO24

Transducer ActiveTarget

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

LOWRANCE®

RADAR

HALO20
Pulse-compression technology

- Up to 24nm range
- Advanced pulse compression technology with beam sharpening
- Simultaneous Dual Range operation sees both near and far
- Easy operation with harbour, offshore and weather modes
- MARPA target tracking (up to 10 targets)
- Ready instantly from standby
- Includes 5m scanner cable

734-00014543001	£2,099.99

HALO20+
Pulse-compression technology

- Up to 36nm range
- Advanced pulse compression technology with beam sharpening
- Simultaneous Dual Range operation sees both near and far
- Ultra-fast 60 RPM operation at ranges up to 1.5nm
- VelocityTrack™ Doppler technology for collision avoidance
- Easy operation with harbour, offshore weather and bird modes
- MARPA target tracking (up to 10 targets, 20 in dual range)
- Ready instantly from standby
- Includes 5m scanner cable

734-00014542001	£2,479.99

HALO24
Pulse-compression technology

- 48nm range from a compact 24-inch dome
- Advanced pulse compression technology with beam sharpening
- Simultaneous Dual Range operation sees both near and far
- Ultra-fast 60 RPM operation at ranges up to 1.5nm
- VelocityTrack™ Doppler technology for collision avoidance
- Easy operation with harbour, offshore weather and bird modes
- MARPA target tracking (up to 10 targets, 20 in dual range)
- Ready instantly from standby
- Includes 5m scanner cable

734-00014541001	£2,852.99

AIS

NAIS-500
Class B AIS

- Class B approved AIS Transponder
- Integrates with existing Lowrance MFD & VHF
- NMEA2000® & 0183 connectivity
- IPX7 waterproof & low power consuption

738-00013611001	NAIS-500 Class-B	£782.99
738-00013609001	NAIS-500 Class-B AIS c/w GPS500 Antenna	£813.99

NSPL-500
VHF/AIS Antenna Splitter

738-00013612001	£267.99

AUTOPILOT

OUTBOARD PILOT HYDRAULIC PACK
Supplied with **NAC-1 Autopilot Computer** 738-00011769001 + **PUMP-1 Hydraulic Pump** 738-00011771001 + **Point-1 Heading and GPS Sensor** 738-00011047001 + Hydraulic Fitting Kit + Auto/Standby Button

738-00011748001	£1,256.99

OUTBOARD PILOT CABLE STEER PACK
Supplied with **NAC-1 Autopilot Computer** 738-00011769001 + **Helm-1 -1 Cable-steer helm drive unit** 738-00011771001 + **Point-1 Heading and GPS Sensor** 738-00011047001 + **Auto/Standby Button**

738-00011749001	£1,565.99

DRIVEPILOT HYDRAULIC PACK
Supplied with **RC42 Heading Sensor** + **NAC-1 Autopilot Computer** 000-11769-001 + **PUMP-1 Hydraulic Pump** 000-11771-001 + **Auto/Standby Button** + **Micro-C Network Components**

738-00011750001	£1,781.99

VHF

LINK-9
DSC VHF Radio

- Flush mountable Class D DSC fixed mount VHF transceiver
- 25 W / 1 W transmission power
- Built-in dual-channel AIS receiver with AIS plot functionality
- Extra large, high resolution LCD display
- NMEA 2000® connectivity plus NMEA0183
- High quality fist mic with built-in speaker
- MOB feature
- Track Your Buddy option
- Dual Watch / tri watch and all scan functions
- PA/Hailer horn output with Listen Back Feature
- 10 weather channel
- 20 user programmable names with MMSI
- Fully Waterproof

734-00014472001	£483.99

LINK-6S
DSC VHF Radio

- Includes internal GPS
- High visibility LCD with inverted night mode
- Intuitive rotary and keypad controls
- Four-button fist microphone
- Class D DSC Approved
- Dedicated Channel 16 keys
- Tri-channel watch function
- All international channels
- Multiple scan modes
- Easy bracket or flush-mount installation

734-00014493001	£246.99

GARMIN

PLOT YOUR PARADISE.
FIND YOUR COVE.

A higher-resolution display and edge-to-edge glass that is as beautiful as it is functional. Start plotting.

GPSMAP® 1223
Available in
7", 9" or 12" displays

Depth
10.3 ft
Air Temp.
76.6 °F

100 Dollar Bombshell - Marieby - When Givers Prove Unkind

GARMIN®

GPSMAP® 8400 Multifunction Display Series
17, 22 and 24-inch multifunction displays

230-0100151000	GPSMAP® 8417	£8,479.99
230-0100151100	GPSMAP® 8422	£11,499.99
230-0100151200	GPSMAP® 8424	£13,749.99
230-0100102300	Garmin Card Reader	£165.99

Sizes (mm)	W	H	D
8417	419	307	71
8422	529	350	71
8424	579	410	71

- Provides one-touch access to docking, cruising, fishing, anchoring and more
- Clean glass look with ability to install multiple displays either flush or flat mounted edge-to-edge
- Enhanced video processing with up to 4 IP (internet protocol) camera streams
- Premium user experience across entire network for radar, sonar and multimedia
- Presets for sonar, radar, cameras, media and digital switching can be independent or incorporated into SmartMode station controls
- J1939 support for engines & generators
- Built-in Wi-Fi® connectivity, ANT® Technology, 4 Ethernet ports, NMEA 2000®, HDMI & USB ports

- Standard USB interface for use as a touchscreen monitor for PCs (Windows® 7/8/10) & Mac®
- Download free Garmin Quickdraw™ Contours map creation software update to create your own HD fishing maps with 1' contours
- OneHelm™ and EmpirBus™ bring full control of all your onboard boat systems, such as digital switching, lighting, propulsion, pumps, air conditioning and infotainment, to your MFD screen
- Optional card reader available - remote mounting and a single access point for 2 SD™ card slots for mapping. Add multiple card readers for additional access points

GPSMAP® 8400 Chartplotter Series
### 10, 12 and 16-inch Chartplotter/Sounders

230-0100209100	GPSMAP® 8410	£2,429,99
230-0100209102	GPSMAP® 8410xsv	£2,599,99
230-0100209200	GPSMAP® 8412	£3,389.99
230-0100209202	GPSMAP® 8412xsv	£3,829.99
230-0100209300	GPSMAP® 8416	£5,209.99
230-0100209302	GPSMAP® 8416xsv	£5,649.99

Sizes (mm)	W	H	D
8410	260	205	68
8412	303	216	70
8416	385	263	70

- Full HD IPS touchscreen display for wider viewing angles, superior clarity and sunlight readability even with polarized sunglasses
- Built in support for the full suite of Garmin sonar capabilities (xsv models): CHIRP traditional, ClearVu and SideVu scanning sonars, Ultra-High Definition scanning sonar (no black box needed), the Panoptix™ LiveScope™ system and the full-line of Panoptix™ sonars (transducers sold separately)
- Ability to install multiple displays either flat mounted edge-to-edge to create a sleek glass helm look or mounted flush
- Fully NMEA 2000® and Garmin Marine Network capable to easily build your marine system, from sonar, radar and autopilots to instruments, cameras and multimedia
- Bluetooth®, ANT, Wi-Fi® connectivity for quatix® 5, VIRB® 360, gWind™ Wireless 2 and more

- OneHelm™ and EmpirBus™ bring full control of all your onboard boat systems, such as digital switching, lighting, propulsion, pumps, air conditioning and infotainment, to your MFD screen
- SmartMode™ station controls enable presets for one-touch access to docking, cruising, fishing, anchoring and more
- Built-in SailAssist™ provides data, displays and pre-race guidance needed to gain a competitive edge
- Use built-in Wi-Fi® to pair with the free ActiveCaptain™ app for access to OneChart™, smart notifications[2], Garmin Quickdraw™ Community data and more
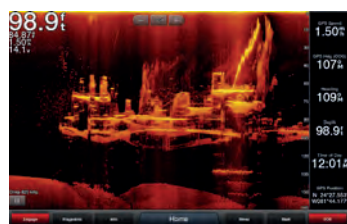
ULTRA HIGH-DEFINITION SONAR
Built-in support for the Ultra High Definition Scanning sonar system, no black box needed.
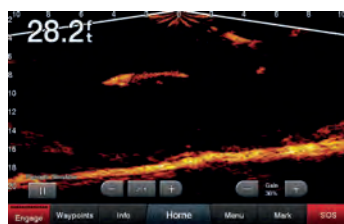
Panoptix™ LIVESCOPE
Supports all Panoptix™ Sonar including Panoptix™ LiveScope system.
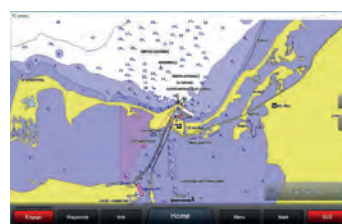
BlueChart® G3 CHARTS
Highly detailed maps and cartography featuring Navionics® data and Auto Guidance technology[1].
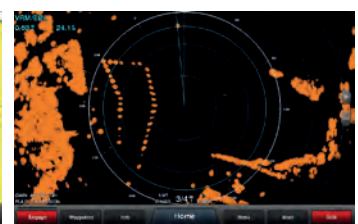
GMR™ Fantom RADAR
Supports Fantom™ radar with MotionScope™ technology.

[1] Auto Guidance is for planning purposes only and does not replace safe navigation operations
[2] When paired with a compatible smartphone

GRID™ 20 - Remote Input Device

230-0100201100	Portrait	£259.99
230-0100201101	Landscape	£259.99

- Easy-to-use remote input device provides access and control of your entire Garmin marine system
- It features a 360° joystick with a rotary knob and push-to-select button for easy chartplotter menu/setting navigation and fine control, even in the worst conditions.
- Designate 4 favourite keys to restore your system to a previously saved configuration.
- Compatible with Compatible with GPSMAP® 723/923/1023/1223 Series, 8400 Series

USB Card Reader

230-0100225100		£99.99

- Compact, water-resistant SD™ card reader.
- Holds two full-size SD cards for quick access to charts, software updates and ActiveCaptain® data.
- Dimensions (WxHxD): 5.08 x 5.0 x 6.1 cm
- Waterproof to IPX7 standards
- Suitable for: 1223, 923, 723, 84xx series.

NEW 2021

GARMIN®

NEW 2021

GPSMAP® 723, 923 & 1223 Series
7, 9 and 12-inch WIDESCREEN displays

230-0100236500	GPSMAP 723 Chartplotter	£899.99
230-0100236502	GPSMAP 723xsv Chartplotter/Sounder	£1,069.99
230-0100236600	GPSMAP 923 Chartplotter	£1,329.99
230-0100236602	GPSMAP 923xsv Chartplotter/Sounder	£1,499.99
230-0100236700	GPSMAP 1223 Chartplotter	£2,599.99
230-0100236702	GPSMAP 1223xsv Chartplotter/Sounder	£2,769.99
Accessories		
230-0101299300	Adapter GPSMAP 7x2 to 7x3 series	£26.99
230-0101299301	Adapter GPSMAP 9x2 to 9x3 series	£26.99
230-0101299302	Adapter GPSMAP 12x2 to 12x3 series	£34.99

WiFi® FUSION LINK

Sizes (mm)	W	H	D
723/xsv	192	140	74
923/xsv	233	162	76
1223/xsv	308	228	82

- **Garmin Marine Network** - If you have multiple compatible Garmin devices on your boat, you can share information — such as maps, user data, radar and IP camera video — among them.
- **NMEA 2000® and NMEA 0183 Networks** - Connect to compatible autopilots, digital switching, weather*, Fusion-Link™ audio system, media, VHF, AIS and more from one screen.   * XM weather only available in North America
- **Activecaptain App** - Built-in Wi-Fi connectivity pairs with the free all-in-one mobile app for access to the OneChart™ feature, smart notifications, software updates, Garmin Helm™ digital switching, Garmin Quickdraw™ Community data and more.
- **Integrated Ant Technology** - Connect with some of your favourite devices, such as quatix® marine watches, gWind™ Wireless 2 transducers, GNX™ Wind marine instruments and wireless remote controls.

- **J1939 Connectivity** - Now you can connect your chartplotter to different kinds of engines, including select Yamaha engines.
- **Onehelm Feature** - This exclusive feature brings together all the operations and capabilities of select third-party devices, such as EmpirBus digital switching, on one screen.
- **Ultra High-Definition Scanning Sonar (xsv models only)** - Get built-in Ultra High-Definition SideVü and ClearVü scanning sonars with vivid, high-contrast colour palettes to help distinguish fish from structure. GPSMAP® 1223xsv also supports 1kW CHIRP traditional sonar capabilities.
- **Panoptix Sonar Support** - Pair with Panoptix or Panoptix LiveScope easy-to-interpret live sonar (transducer sold separately) with FrontVü scanning sonar 6 to help you see and avoid submerged obstacles in real time as you approach within a 91-metre range.

Models	723	723xsv	923	923xsv	1223	1223xsv
CHIRP ClearVü		•		•		•
CHIRP SideVü		•		•		•
Garmin CHIRP Traditional		•		•		•
Panoptix™ Support	•	•	•	•	•	•
Black box sonar support	•	•	•	•	•	•
Quickdraw™ Contours	•	•	•	•	•	•
Built-in Wi-Fi®	•	•	•	•	•	•
NMEA 2000® Support	•	•	•	•	•	•
SailAssist™	•	•	•	•	•	•
Radar Compatible	•	•	•	•	•	•
ActiveCaptain App Compatible [1]	•	•	•	•	•	•

[1] When paired with a compatible mobile device
[2] Auto Guidance is for planning purposes only and does not replace safe navigation operation

GPSMAP® 1022 & 1222 Series
10 and 12-inch WIDESCREEN displays

230-0100174000	GPSMAP® 1022	£1,569.99
230-0100174002	GPSMAP® 1022xsv	£1,739.99
230-0100174100	GPSMAP® 1222	£2,259.99
230-0100174102	GPSMAP® 1222xsv	£2,439.99

WiFi® FUSION LINK

Sizes (mm)	W	H	D
1022	318	185	69
1222	358	226	69

- Keypad interface with user-programmable keys & control knob
- Built in 10Hz GPS/GLONASS receiver
- Wireless communication via Wi-Fi®
- Digital Switching support
- Radar compatible
- Autopilot integration
- FLIR® Thermal Camera & IP Camera support

- Composite video input
- VIRB® integration compatible
- FUSION-Link support
- Quickdraw™ Contours, Garmin Helm & BlueChart® Mobile 2.0 compatible
- NMEA 0183 and 2000 compatible
- BlueChart® g3 & g3 Vision compatible
- Bracket or flush mount options (**1022/1222** is also flat mountable)

Radar Bundles

230-0100236550	GPSMAP 723xsv & GMR18HD Radar	£2,399.99
230-0100236650	GPSMAP 923xsv & GMR18HD Radar	£2,769.99
230-0100236750	GPSMAP 1223xsv & GMR18HD Radar	£3,999.99

GPSMAP 1223xsv with GMR18HD+ Radar

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

GARMIN

GARMIN®

ECHOMAP™ Series
4", 6", 7" & 9" Chartplotters/sounders

|		
230-0100188710	ECHOMAP™ PLUS 45cv *	£359.99
230-0100233210	ECHOMAP™ UHD 65cv *	£589.99
230-0100233610	ECHOMAP™ UHD 75cv *	£849.99
230-0100234010	ECHOMAP™ UHD 75sv *	£899.99
230-0100234410	ECHOMAP™ UHD 95sv *	£1,029.99

* Excludes transducer

- Available in **4", 6", 7", 9"** display sizes
- Keyed assist touchscreen (75 & 95)
- Preloaded BlueChart® g3 charts for the **UK, Ireland and NW mainland Europe coast**
- Supports Ultra High-Definition ClearVü scanning sonar and Garmin high wide CHIRP traditional sonar (Not PLUS 45cv)
- Supports Panoptix™ all-seeing sonar, including Panoptix LiveScope™ sonar - requires black box unit (75 & 95)
- Sonar sharing capabilities with other ECHOMAP™ Plus, ECHOMAP UHD and ECHOMAP Ultra units (75 & 95)
- NMEA 2000® and NMEA 0183 network support for autopilot and engine data
- Quick-release bail mount for fast and easy mobility
- Compatible with Force™ trolling motor for full control of the motor from the screen plus the ability to route to waypoints, follow tracks and more

PRELOADED UK, IRELAND & NW EUROPE CHARTS

Models	PLUS 45cv	UHD 65cv	UHD 75cv	UHD 75sv	UHD 95sv
CHIRP ClearVü	●	●	●	●	●
CHIRP SideVü				●	●
CHIRP Traditional	●	●	●	●	●
Ultra High-Definition ClearVü		●	●	●	●
Panoptix™ Support			●	●	●
Quickdraw™ Contours	●	●	●	●	●
Built-in Wi-Fi®		●	●	●	●
NMEA 0183® Support	●				
NMEA 2000® Support		●	●	●	●
SailAssist™		●	●	●	●
ActiveCaptain App Compatible		●[1]	●[2]	●[2]	●[2]
Quick Release Mount		●	●	●	●
Dimensions (H x W x D) mm	204 x 102 x 80	130 x 218 x 62	139 x 250 x 51	139 x 250 x 51	164 x 282 x 60

[1] 65cv (ex. Garmin Helm & UserData Sync)   [2] 75cv/75sv/95sv (ex. Garmin Helm)
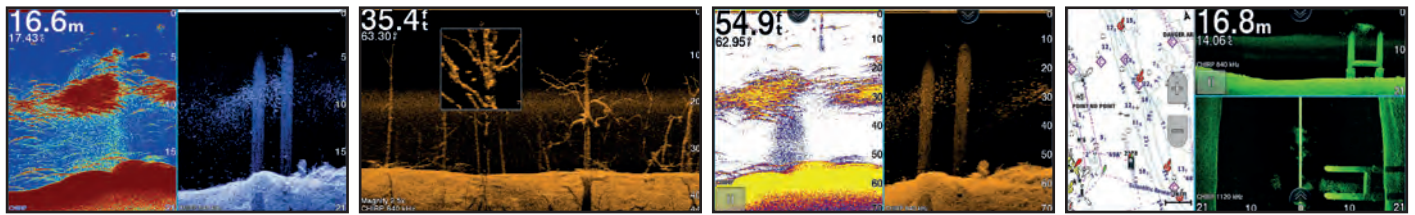
ECHOMAP™ Ultra Series
10" & 12" Chartplotter/sounders

230-0100211100	ECHOMAP Ultra 102sv *	£1,739.99
230-0100252601	ECHOMAP Ultra 102sv Worldwide, with GT56UHD-TM	£2,099.99
230-0100211300	ECHOMAP Ultra 122sv *	£2,529.99
230-0100252801	ECHOMAP Ultra 122sv Worldwide, with GT56UHD-TM	£2,899.99

* Excludes transducer

- Keyed-assist touchscreen combo with all the built-in tools you need to find and catch fish
- Built-in CHIRP traditional and Ultra High-Definition ClearVü and SideVü scanning sonar[1]
- Supports our full line of Panoptix sonars, including Panoptix™ Livescope System
- Share sonar, waypoints and routes with other ECHOMAP™ Ultra 10" and 12" units as well as ECHOMAP Plus 7" and 9" units

[1] Available with or without included transducer
[2] When paired with a compatible mobile device

Wi-Fi®

- Built-in Quickdraw Contours mapping software instantly creates personalized fishing maps on-screen with 1' contours as you fish
- Built-in Wi-Fi® connectivity pairs with free ActiveCaptain® app for access to OneChart™ to purchase and download new charts; also receive smart notifications, software updates, Garmin Quickdraw™ Community data and more [2]
- Quick-disconnect bail mount
- Preloaded worldwide basemap; compatible with optional BlueChart® g3 charts and BlueChart g3 Vision cartography with integrated data from Navionics® and Auto Guidance [3] technology

[3] Auto Guidance is for planning purposes only and does not replace safe navigation operation
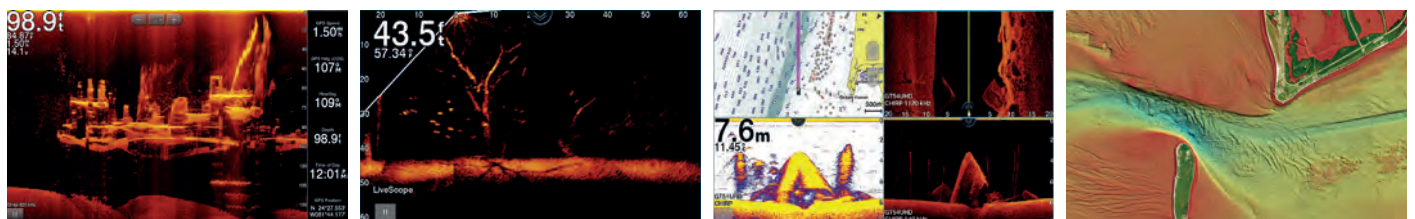
ULTRA HIGH-DEFINITION SONAR
Built-in support for the Ultra High-Definition scanning sonar system, no black box needed.

PANOPTIX™ LIVESCOPE
Supports all Panoptix sonar, including the Panoptix LiveScope system and Panoptix LiveScope LVS12.

4-WAY SPLIT SCREEN
Split the screen into 4 windows for a complete overview of your sonar and charts.

RELIEF SHADING
Exceptional shading feature combines colour and shadow to give you an easy-to-interpret view of bottom profile, making it easy to find artificial reefs, underwater shelves and more.

GARMIN

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FISHFINDERS

WiFi

STRIKER™ Vivid Series
4", 5", 7" & 9" Fishfinders with built-in GPS & CHIRP sounder

230-0100255001	STRIKER Vivid 4cv cw GT20-TM Txd	£229.99
230-0100255101	STRIKER Vivid 5cv cw GT20-TM Txd	£329.99
230-0100255102	STRIKER Vivid 5cv exc. Transducer	£239.99
230-0100255201	STRIKER Vivid 7cv cw GT20-TM Txd	£449.99
230-0100255301	STRIKER Vivid 7sv cw GT52HW-TM Txd	£539.99
230-0100255302	STRIKER Vivid 7sv exc. Transducer	£359.99
230-0100255401	STRIKER Vivid 9sv fishfinder cw GT52HW-TM Txd	£629.99
230-0100255402	STRIKER Vivid 9sv fishfinder exc. Transducer	£449.99

- **Vivid colour** - easy-to-use colour fishfinder with 7 new vivid scanning sonar colour palettes to easily distinguish fish and structure
- **Included transducer** (Options with no transducer also available)
  - STRIKER 4cv, 5cv and 7cv fishfinders available with a GT20 transducer for built-in garmin chirp traditional sonar and chirp clearvü scanning sonar
  - STRIKER 7sv and 9sv fishfinders available with a GT52 transducer for built-in garmin chirp traditional sonar and chirp clearvü and chirp sidevü scanning sonars
- **Mounting** - includes tilt/swivel bail mount bracket

- **GPS** - high-sensitivity GPS to mark waypoints, create routes and view your boat's speed
- **Quickdraw contours** - includes built-in Quickdraw contours mapping
- **Wireless connectivity** - STRIKER 7cv, 7sv and 9sv offer Wi-Fi® connectivity which allows you to connect to the ActiveCaptain® app to transfer waypoints, receive smart notifications (including software update notifications) and access the garmin Quickdraw™ community

Models	STRIKER™ Vivid 4cv	STRIKER™ Vivid 5cv	STRIKER™ Vivid 7cv	STRIKER™ Vivid 7sv	STRIKER™ Vivid 9sv	STRIKER™ Plus 4
Built-in GPS	•	•	•	•	•	•
Quickdraw™ Contours	•	•	•	•	•	•
Quickdraw™ Community Content			•	•	•	
Garmin CHIRP Traditional	•	•	•	•	•	•
CHIRP ClearVü	•	•	•	•	•	
CHIRP SideVü				•	•	
Built-in Wi-Fi®	•	•	•	•	•	
Transducer & mounts included	•	•	•	•	•	•
Dimensions (H x W x D) mm	174x98x45	116x188x54	140x235x58	140x235x58	165x282x60	175x98x45

STRIKER™ Plus 4

230-0100187001	£149.99

- GPS Fishfinder with bright, sunlight-readable 4.3" display, intuitive user interface and built-in GPS
- Includes dual-beam transducer with Garmin CHIRP traditional sonar for crystal-clear images and remarkable target separation
- Built-in Garmin Quickdraw™ contours mapping
- Rugged design for every fishing environment

FISHFINDER MODULES

GSD™ 26 Digital Sonar Module

230-0100095800	£1,339.99

- The GSD™ 26 incorporates revolutionary digital Spread Spectrum technology
- Works with a dual-channel single receiver
- The dual transmitter allows simultaneous and independent dual frequency display
- Manually adjustable frequency from 28 kHz to 210 kHz
- Powerful digital signal delivers fantastic signal reproduction & performance in deep water
- Optional output power between 300W and 3kW
- Compatible with Airmar's new transducers with CHIRP technology
- Waterproof (IPX6)
- Check Garmin.com for compatibility

GSD™ 25 CHIRP Sonar Module

230-0100115900	£799.99

- Designed for the serious offshore sport fisherman
- Premium remote network sonar solution
- Provides outstanding fishfinding & bottom tracking capabilities
- Includes dual-channel 1kW CHIRP, plus SideVü and ClearVü sonar scanning with CHIRP technology
- Max. depth 1,500 m (dependent on transducer, water salinity and other water conditions)
- For use with the Garmin GPSMAP® 8000 Glass Helm series or GPSMAP® 7400 series

GSD™ 24 Sonar Module

230-0100095700	£499.99

- Displays depth, fish echoes and bottom contours
- Produces a clear image with fantastic signal reproduction & performance in deep water
- Two frequencies: 50 and 200kHz
- Optional output power of 600W, 1kW or 2kW
- Max. depth 1,500 m (dependent on transducer, water salinity and other water conditions)
- Includes adapter for upgrading from GSD™ 22 to GSD™ 24
- Simple installation with Garmin Marine Network
- Ability to fine tune the 50kHz frequency from 45-55kHz & the 200kHz from 190-210kHz to better align the sonar & the transducer
- Check Garmin.com for compatibility

GCV™ 20 Scanning Sonar Black Box

230-0100205510	£399.99

- For use with Garmin compatible chartplotter
- Includes 12 pin all-in-one ClearVü/SideVü transducer with 20 ft cable
- 3 network ports provided for advanced networking capability
- Excellent search and confirmation tool for advanced fishfinding in both fresh & saltwater
- Provides both ClearVü and SideVü with CHIRP scanning sonar technology for a high-frequency, ultra-clear sonar picture of objects, structure & fish that pass below (ClearVü) & to the sides (SideVü) of the boat
- Jackplate and step mount available (both sold separately)
- Check Garmin.com for compatibility

For detailed specifications, visit www.garmin.com

Transducers	Frequencies	Part No	Pin No	SRP Inc VAT	STRIKER PLUS CV	STRIKER PLUS SV	ECHOMAP PLUS 45CV/65CV ◆	ECHOMAP PLUS 75CV	ECHOMAP PLUS 75SV	ECHOMAP PLUS 95SV ◆	GPSMAP 722XS/922XS PLUS	ECHOMAP UHD 65CV ◆	ECHOMAP UHD 75CV	ECHOMAP UHD 95SV/ULTRA 102/22SV ◆	ECHOMAP UHD 75SV/GPSMAP 8400XSV	GPSMAP 1022XSV/1222XSV/1222XSV PLUS ◆	GPSMAP 7x3XSV/9x3XSV/12x3XSV
TRADITIONAL SONAR																	
TRANSOM MOUNT TRANSDUCERS																	
Garmin Dual Beam	(77/200 kHz)	230-0101024920	4	£59.99	•	•	•	C***			C***	•	C***				
Garmin Dual Beam	(77/200 kHz)	230-0101024940	8	£69.99	C*	C**	•	•	C**	•	•	•	•	•	•	•	•
Dual Frequency	(50/200 kHz)	230-0101027210	8	£59.99	C*	C**	•	•	C**	•	•	•	•	•	•	•	•
GT8HW-TM	CHIRP High Wide	230-0101240100	8	£119.99	C*	C**	•	•	C**	•	•	•	•	•	•		
GT15M-TM	CHIRP Mid-band	230-0101240210	8	£269.99	C*	C**	•	•	C**	•	•	•	•	•	•	•	
IN HULL TRANSDUCER																	
GT8HW-IH	CHIRP High Wide	230-0101240110	8	£139.99	C*	C**	•	•	C**	•	•	•	•	•	•		
GT15M-IH	CHIRP Mid-band	230-0101240200	8	£169.99	C*	C**	•	•	C**	•	•	•	•	•	•	•	
THRU-HULL TRANSDUCERS																	
P319	50/200 kHz	230-0101019421	8	£139.99	C*	C**	•	•	C**	•	•	•	•	•	•	•	•
B117 (0° Tilt)	50/200 kHz Bronze	230-0101018221	8	£229.99	C*	C**	•	•	C**	•	•	•	•	•	•	•	•
GT15M-TH	CHIRP Mid-band Bronze	230-0101240220	8	£359.99	C*	C**	•	•	C**	•	•	•	•	•	•	•	
TRADITIONAL + CLEARVÜ																	
TRANSOM MOUNT TRANSDUCERS																	
GT20-TM Inshore (100m<)	77/200khz, ClearVü	230-0100196000	4	£89.99	•	•	•	C***	•		C***	•	C***				
GT20-TM Inshore (100m<)	77/200khz, ClearVü	230-0100196001	8	£129.99	C*	C**	•	•	C**	•	•	•	•	•	C**	•	•
GT22HW-TM Inshore (100m<)	CHIRP High Wide ClearVü CHIRP	230-0101240300	8	£149.99	C*	C**	•	•	C**	•	•	•	•	•	C**	•	•
GT23M-TM Offshore (100m>)	CHIRP Mid-band ClearVü CHIRP	230-0101240400	8	£269.99	C*	C**	•	•	C**	•	•	•	•	•	C**	•	•
GT24UHD-TM	Traditional CHIRP; CHIRP High Wide Ultra High-Def. ClearVü;	230-0101290800	8	£219.99								•	•				•
THRU-HULL TRANSDUCERS																	
GT21-TH	Traditional 50/200; ClearVü CHIRP	230-0100196210	8	£449.99													•
GT23M-TH	CHIRP Mid-band; ClearVü CHIRP	230-0101240410	8	£699.99	C*	C**	•	•	C**	•	•	•	•	•	•	•	•
TRADITIONAL + CLEARVÜ + SIDEVÜ																	
TRANSOM MOUNT TRANSDUCERS																	
GT52HW-TM	CHIRP High Wide; ClearVü CHIRP	230-0101240500	12	£269.99		•				•	•			•	•	•	
GT54UHD-TM	CHIRP High Wide; UHD ClearVü CHIRP; UHD SideVü; CHIRP SideVü	230-0101290900	12	£349.99										•	•		•
GT56UHD-TM	Traditional High-wide CHIRP; ClearVü/SideVü	230-0101307300	12	£399.99													•
THRU-HULL TRANSDUCERS																	
GT50M-TH Inshore (100m<)	CHIRP Mid-band; ClearVü/SideVü CHIRP	230-0100196510	12	£659.99		•				•	•			•	•	•	
GT51M-TH Offshore (>100m)	CHIRP Mid-band; ClearVü/SideVü CHIRP	230-0100196610	12	£749.99		•				•	•			•	•	•	

C* Compatible with adaptor cable 230-0101271900 8 pin transducer to 4 pin sounder
C** Compatible with adaptor cable 230-0101212210 8 pin transducer to 12 pin sounder W/XID
C*** Compatible with adaptor cable 230-0101272100 4 pin transducer to 8 pin sounder
Please note some displays may be supplied with required adaptor from new. Please contact SMG if unsure…

◆ Supplied with 12-pin to dual 4-pin transducer adapter cable
◆ Supplied with 12-pin sounder to 8-pin transducer adapter cable
◆ Supplied with 4-pin sounder to 8-pin transducer adapter cable
◆ Supplied with 8-pin transducer to 12-pin sounder adapter cable

NMEA 2000® Transducers

TRANSOM MOUNT TRANSDUCER		
230-0100070300	Intelliducer (0-22° transom) - Depth & Temp	£169.99
IN HULL TRANSDUCER		
230-0101139400	Airmar P79 (0-22° deadrise) in-hull transducer	£339.99
THRU-HULL TRANSDUCERS		
230-0101105120	Airmar DST810 Smart Transducer	£399.99
230-0100070100	Intelliducer, NMEA 2000® (0-12° Tilt) Plastic txd - Depth & Temp.	£169.99
230-0100070101	Intelliducer, NMEA 2000® (13-24° Tilt) Plastic txd - Depth & Temp.	£169.99
230-0101141310	GTEMP10-TH Thru-hull Temp Sensor	£109.99

Garmin GST 43/GDT 43 Thru-Hull Transducer
Can retrofit an existing Nexus and Silva 43 mm thru-hull transducer (TH43).

230-0100174900	GDT™ 43 Depth & Temperature Transducer	£129.99
230-0100174910	GDT™ 43 Depth & Temp. Txd with NMEA 2000® adapter	£259.99
230-0100428300	GST™ 43 Speed/Temp. Transducer	£129.99
230-0100428400	GST™ 43 Speed/Temp. Txd with NMEA 2000® adapter	£149.99

Accessories

|		
230-0101152500	NMEA 2000® Transducer Adapter Kit	£139.99
230-0101161500	6-pin Transducer to 4-pin Sounder Adapter Cable	£14.99
230-0101161710	4-pin Transducer extension cable 10 ft	£29.99
230-0101271900	8-pin Transducer to 4-pin Sounder Adapter Cable	£17.99
230-0101161300	6-pin Txd to 8-pin Sounder Wire Block Adapter	£55.99
230-0101161310	Bare Wire Txd to 12-pin Sounder Wire Block Adapter	£54.99
230-0101161200	8-pin Transducer to 6-pin Sounder Adaptor Cable	£14.99
230-0101212210	8-pin Txd to 12-pin Sounder Adapter Cable with XID	£15.99
230-0101223405	12-pin to Dual 4-pin Transducer Y-Cable	£24.99
230-0101272100	4-pin Transducer to 8-pin Sounder Adapter Cable	£17.99
230-0101161750	8-pin Transducer extension cable 10 ft	£32.99
230-0101161752	8-pin Transducer extension cable 30 ft	£49.99
230-0101161732	12-pin Transducer extension cable 10 ft	£34.99
230-0101161742	12-pin Transducer extension cable 30 ft	£39.99

GARMIN

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GARMIN®

Panoptix all-seeing sonar is unlike anything you've ever seen on the water. It gives you the ability to see all around your boat in real time.

PANOPTIX™ LIVESCOPE

The award-winning Panoptix™ LiveScope System is the most amazing sonar technology ever. Real-time scanning sonar shows highly detailed, easy-to-interpret live scanning sonar images of structure, bait and fish swimming below and around your boat in real time, even when your boat is stationary. Images are so clear and precise that, with a little practice, you might be able to identify species!
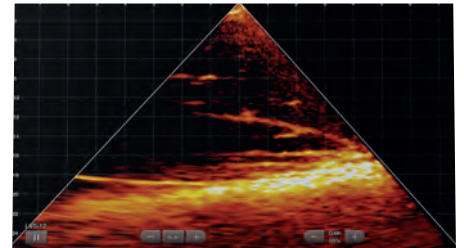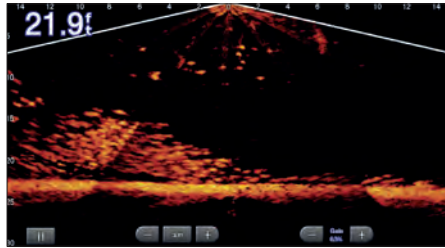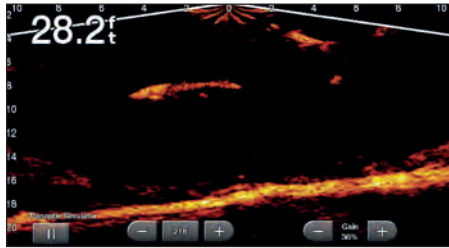
Panoptix™ LIVESCOPE DOWN - Live, easy-to-interpret scanning sonar images of structure and swimming fish in incredible detail below your boat - up to 200'.
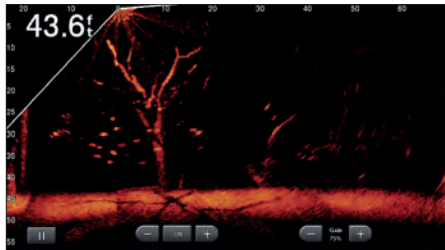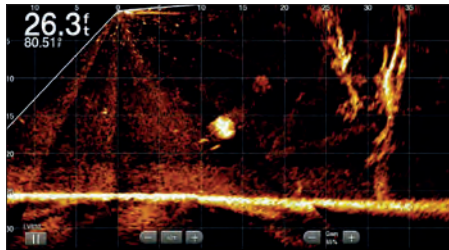
Panoptix™ LIVESCOPE FORWARD - For scouting & fishing out ahead of the cast, real-time scanning sonar images of structure & fish swimming all around your boat - up to 200'.

PANOPTIX™ SONAR

Opens up a new world for serious fishermen. It makes it possible to see fish and bait swimming, in real time, around or under your boat -- even when the boat is not moving.

Panoptix™ Forward
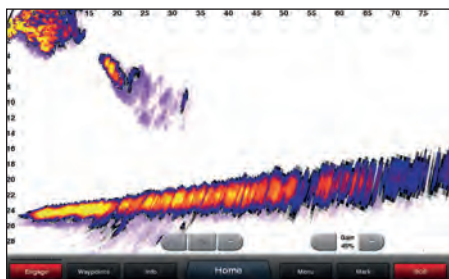
LIVEVÜ FORWARD

Provides a live sonar look at fish swimming and moving toward or away from the boat. Cast right at fish. See your lure. See fish react to your lure. See and feel the strike.
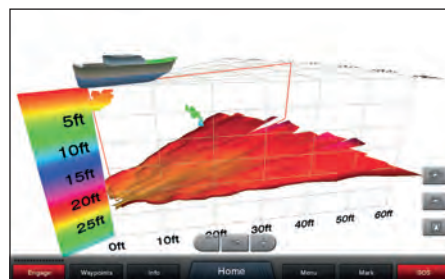
REALVÜ 3D FORWARD

Scans the area in front of your boat, creating a forward looking 3D view of the bottom, structure and fish.
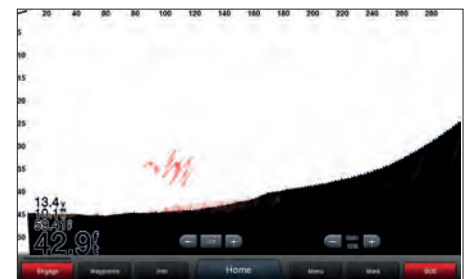
FRONTVÜ

To help give you time to avoid collisions with submerged obstacles, FrontVü shows underwater obstructions within a 300-foot range as you approach them in real time.

Panoptix™ Down
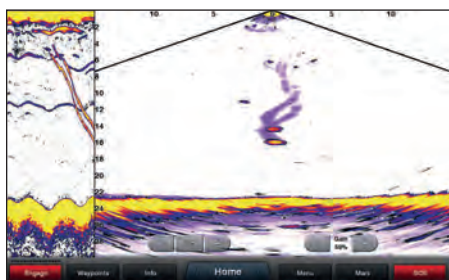
LIVEVÜ DOWN

Shows real-time moving sonar images of small baitfish and large target fish swimming below your boat and pinpoints their distance left or right and their depths.
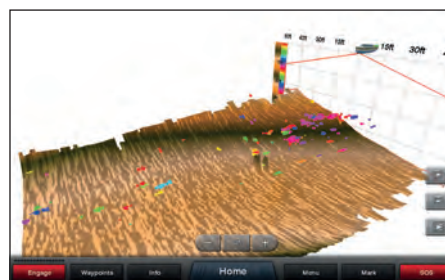
REALVÜ 3D HISTORICAL

Scrolls through sonar data as the boat moves to show the history of the entire water column from the bottom to the surface and all of the fish in between.
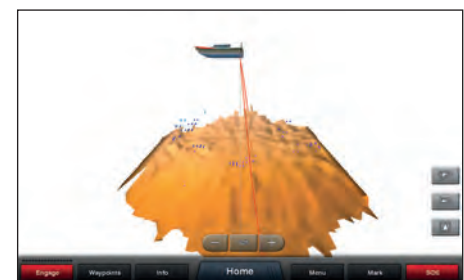
REALVÜ 3D DOWN

Scans below the boat -- front to back and side to side – to construct a full 3D view of the area under the boat, letting you see contour changes, fish and structure, even while stationary.

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

GARMIN®

PANOPTIX™ TRANSDUCERS

Panoptix™ LiveScope

230-0100186400	Transom or Trolling Motor Mount	£1,769.99
230-0100223300	Thru-Hull Mount	£1,869.99

Includes a compact GLS 10 sonar black box with LVS32 transducer and simple plug-and-play Garmin Marine Network connector to easily install and seamlessly integrate with a compatible Garmin chartplotter[1]. Use the transducer as a supplemental traditional and ClearVü sonar source to see a historical representation of structure and fish below the boat. Available with trolling motor and transom mount transducer options.

Panoptix™ LiveScope LVS12 Transducer

230-0100214300	Transom Mount	£519.99

The Panoptix LiveScope™ LVS12 transducer provides 30-degree forward and 30-degree down real-time scanning sonar views. It's an economical solution to use with a compatible Garmin chartplotter[1]

[1]   Compatible with GPSMAP® 8400, GPSMAP® 7400, 1022/1222, 723/923/1223 Touch, 723/923/1223 & ECHOMAP™ Plus 75cv/75sv/95sv & ECHOMAP™ Ultra series

PS30 Down

230-0100128400	£1,429.99

PS30 Down allows you to see baitfish and large target fish under your boat – in real time; even while stationary. You get three different views, LiveVü Down, RealVü 3D Down and RealVü 3D Historical.

PS60 Thru-Hull Down

230-0100140600	£3,569.99

With the PS60 thru-hull Down transducer, you get three remarkable views, LiveVü Down, RealVü 3D Down and RealVü 3D Historical.

The unique thru-hull installation is ideal for coastal or offshore fishermen with larger boats.

PS31 Forward

230-0100128401	£1,429.99

PS31 Forward allows you to see the bottom, structure and fish in front of your boat – in real time; even while stationary.

You get two impressive views, LiveVü Forward and RealVü 3D Forward. Both transom and trolling motor mount is included.

PS51-TH - FrontVu Forward

230-0100175300	£1,359.99

The Panoptix™ multibeam thru-hull transducer with premium FrontVü forward-looking sonar helps you avoid running aground[2] by displaying the bottom up to 300ft ahead of your boat in real time on your chartplotter.

[2] The ability to effectively avoid running aground with FrontVü sonar decreases as speed rises above 8 knots.

PS21-TM FrontVü and LiveVü Forward

230-0100158801	£1,249.99

The PS21 transducers allows you to see fish swimming and attacking your lure with LiveVü Forward and to see obstructions for collision avoidance with FrontVü – up to 100 feet away.

PS22-TR FrontVü and LiveVü Forward

230-0100194500	£1,299.99

Panoptix™ PS22-TR transducer lets you see all around your boat and below it — in real time — with LiveVü Forward and LiveVü Down. Just mount it to the shaft or motor barrel of your trolling motor.

Models	PS30	PS60	PS31	PS21-TM	PS51-TH	PS22-TR	LiveScope TM	LiveScope TH	LiveScope LVS12
RealVü 3D Down	●	●							
RealVü 3D Historical	●	●							
LiveVü Down	●	●				●	●	●	●
RealVü 3D Forward			●						
LiveVü Forward			●	●	●	●	●	●	●
FrontVü				●	●				●
Frequency (kHz)	417	417	417	417	417	417	530-1,100	530-1,100	530-1,100
Maximum depth[3]	300 ft. Down	300 ft. Down	300 ft. Down; 300 ft. Forward	300 ft. Down; 300 ft. Forward	300 ft. Down; 300 ft. Forward	300 ft. Down; 100 ft. Forward	200 ft. Down; 200 ft. Forward	200 ft. Down; 200 ft. Forward	200 ft. Down; 200 ft. Forward
Source for depth & water temperature	Depth Only	Depth Only	Depth Only	●	●	●	●	●	●
Garmin marine Network Compatible	●	●	●	●	●	●	●	●	●
Independent Power Connection	●	●	●	●	●	●			
Transom Mount Included	●		●[4]	●[4]				●	●
Trolling Motor Mount Included			●			●		●	●
Thru-Hull Mount & Fairing Block		●			●				
Thru-Hull Mount								●	

[3]   (maximum depth varies in Saltwater use)

[4]   The forward-facing transom mount transducer should be mounted in a location that is out of the water at speeds over 17 Kn. If located below the water line, cruising speeds over 21 Kn should be avoided. The ability to effectively avoid running aground with FrontVü sonar decreases as speed rises above 8 knots.

GARMIN®

MSC™ 10 Marine Satellite Compass

| 230-0100240700 | MSC 10 marine satellite compass | £889.99 |
| 230-0101108210 | Pole mount accessory | £26.99 |

- GPS-based heading sensor with a fully integrated attitude and heading reference system for better GPS heading at high speeds
- Delivers precise accuracy, unaffected by magnetic interference and able to deliver heave information to your chartplotter via the NMEA 2000® network
- MSC 10 can be used as the primary sensor for autopilots and all your onboard systems that need accurate heading information
- Built-in attitude and heading reference system to filter and smooth GPS-derived heading
- Get accurate heave information right on your chartplotter through the NMEA 2000® network

- Use as the primary sensor for autopilots and other onboard systems
- 10 Hz position update rates for high-sensitivity tracking
- Seamlessly transition from GPS-based to magnetometer-based heading if you lose satellite signal
- Compatible with GPSMAP 8400, GPSMAP 723/923/1223
- In the box: MSC 10 marine satellite compass, pole mount, mounting hardware, NMEA 2000® backbone/drop cable (6m), NMEA 2000® T-connector and documentation

NEW 2021

Pole Mount

9-axis Heading Sensor

| 230-0101141720 | | £769.99 |

- Ensures your chart orientation & boat heading line match up with reality; provides premium heading accuracy, even at lower speeds or when bow is pitching, rolling or heeling over
- 10 Hz output rate & accuracy of +/- 2°; Output Rate of Turn (at 10Hz update rate) & Trim and Heel (at 1Hz)
- NMEA 2000® plug-&-play interface with a simple 2-step precision calibration process for compatible Garmin displays; supports basic calibration for other displays; 9-axis MEMS technology allows installation in any orientation away from magnetic interference
- IPX7 Waterproof; built to withstand bilge environments
- Enables MARPA targeting & improves radar overlay alignments
- Enables True Wind, Opposite Heading and Upwind/Downwind VMG for sailing system

SteadyCast™ Heading Sensor

| 230-0101141710 | | £179.99 |

- Ensures bow orientation on your chartplotter matches your heading
- 10Hz output rate & accuracy of +/- 3°
- NMEA 2000® plug-&-play interface
- Simple 2 step precision calibration process for compatible Garmin displays; also supports basic calibration for other third party/non garmin display
- 9-axis MEMS technology allows installation in any orientation away from magnetic interference
- IPX7 Waterproof
- Compatible with ECHOMAP™ and GPSMAP® Series

GC™ 12 Marine Camera

| 230-0100212200 | | £349.99 |

- Small and discreet, this camera delivers excellent quality images.
- Use it in multiple areas above or below decks, and view on one chartplotter or across multiple networked compatible chartplotters.
- It can help you back out of a crowded marina or keep an eye on your dark engine room.

GC™ 100 Wireless Camera

| 230-0100186531 | | £349.99 |

- Compact wireless camera streams high-quality video to your compatible chartplotter and any other chartplotter on the same network.
- Effective in total darkness, it's perfect for the engine room.
- Easy to install and hardwired for power, the camera is ready to use with one-button setup.

GC™ 200 Marine IP Camera

| 230-0100216400 | | £479.99 |

- Monitor areas above and below deck in real time HD resolution images even in low light.
- Stream video from up to 4 cameras at a time on a single compatible chartplotter
- Reverse-image setting helps when backing out of tight locations such as crowded marinas
- Share video across multiple compatible chartplotters

Marine Camera	GC™ 12	GC™ 200	GC™ 100
Boat monitoring camera	●	●	●
Low-light vision	●	●	●
Versatile mounting options	●	●	●
Rugged housing	●	●	●
Water rating	IPX7	IPX7	IPX7
Video Resolution	976(H) x 582(V)	Up to 1920 x 1080	720p
One-button startup		●	
Pair multiple camera		●	●
Connection to Chartplotter	Analog	IP	Wi-Fi®
Hardwired Power	12V	12V and POE	12V

GARMIN®

GMR™ Fantom Radomes

230-0100170600	GMR™ Fantom 18	£2,179.99
230-0100170700	GMR™ Fantom 24	£2,639.99

GMR™ Fantom Open Arrays

230-K100001217	GMR™ Fantom 54	£6,179.99
230-K100001218	GMR™ Fantom 56	£6,699.99
230-K100001219	GMR™ Fantom 124	£8,259.99
230-K100001220	GMR™ Fantom 126	£8,789.99
230-K100001221	GMR Fantom 254 - 250W Pedestal + 4ft Antenna	£11,999.99
230-K100001222	GMR Fantom 256 - 250W Pedestal + 6ft Antenna	£12,649.00
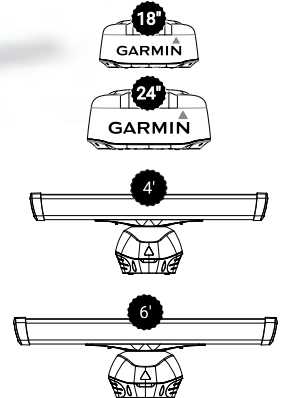
GMR™ Fantom radars feature MotionScope™ technology, which uses the Doppler effect to detect and highlight moving targets to help you avoid potential collisions, find flocks of birds and track weather. These radars fully integrate with Garmin GPSMAP®-series MDF and chartplotters.

- MotionScope™ & Pulse compression technologies
- True Echo Trails help you quickly identify moving targets in relation to the boat
- Overlay radar onto chart screen as a single display or split screen with independent range settings
- Compatible with 723, 923, 1223, 1022, 1222, 7400 & 8400 series displays
- Supplied with 15m power/network cable

Models	GMR™ Fantom 18	GMR™ Fantom 24	GMR™ Fantom 54	GMR™ Fantom 56	GMR™ Fantom 124	GMR™ Fantom 126
	010-01706-00	010-01707-00	K10-00012-17	K10-00012-18	K10-00012-19	K10-00012-20
Transmit Power - Peak Tx PWR (W)	40	40	50	50	120	120
Dome Dimension	20" dia., 9.8" high	25.4" dia., 9.8" high				
Open Array			4'	6'	4'	6'
Dynamic Auto Gain & Sea Filter Settings	•	•	•	•	•	•
Target Size Adjustment	•	•	•	•	•	•
MARPA Target Tracking	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]
Motionscope	•	•	•	•	•	•
Dual Radar Support	•	•	•	•	•	•
Guard Zone	•	•	•	•	•	•
RPM	24/48	24/48	24/48	24/48	24/48	24/48
Beam Width (horizontal/vertical)	5.2° H / 25° V	3.7° H / 25° V	1.8° H / 23° V	1.25° H / 23° V	1.8° H / 23° V	1.25° H / 23° V
Minimum Range	6 meters	6 meters	6 meters	6 meters	6 meters	6 meters
Maximum Range	48 nm	48 nm	72 nm	72 nm	96 nm	96 nm
Power Consumption	18.1 - 24.4W	18.1 - 24.4W	Typical 65W	Typical 65W	Typical 80W	Typical 80W

[1] Heading Sensor required

GMR xHD2 Open Array Scanners

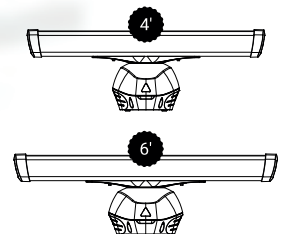|		
230-K100001208	GMR 424 xHD2	£4,459.99
230-K100001211	GMR 1224 xHD2	£5,989.99
230-K100001212	GMR 1226 xHD2	£6,599.99
230-K100001215	GMR 2524 xHD2	£8,929.99
230-K100001216	GMR 2526 xHD2	£9,549.99

GMR xHD2 open-array radars are designed for serious seafarers of larger yachts and sport fishing boats. Designed for easy installation and use, there are no complex user settings to fuss around with. Just install it and start using. GMR xHD2 radars provide reliable, optimum performance in all conditions.

- Power to deliver excellent target separation and amazing image clarity
- Pulse expansion maximizes energy on target
- Auto bird gain helps locate flocks of birds and helps signal the location of fish
- Overlay radar onto chart screen as a single display or split screen with independent range settings

Models	GMR 424 XHD2	GMR 1224 XHD2	GMR 1226 XHD2	GMR 2526 XHD2
	K10-00012-08	K10-00012-11	K10-00012-12	K10-00012-16
4' open array with pedestal	•	•		
6' open array with pedestal			•	•
Transmit Power	4 kW	12 kW	12 kW	25 kW
Dynamic Auto Gain & Sea Filter Settings	•	•	•	•
Target Size Adjustment	•	•	•	•
MARPA Target Tracking[1]	•	•	•	•
Dual Radar Support	•	•	•	•
Guard Zone	•	•	•	•
Dual Range	•	•	•	•
Power Consumption	65 W typical	90 W typical	90 W typical	100 W typical
RPM	24/48	24/48	24/48	24/48
Beam Width (horizontal/vertical)	1.8° H / 23° V	1.8° H / 23° V	1.1° H / 23° V	1.1° H / 23° V
Minimum Range	20 meters	20 meters	20 meters	20 meters
Maximum Range	72 nm	72 nm	72 nm	96 nm

[1] Heading Sensor required

GARMIN®

GMR xHD Radome

230-0100095900	GMR 18 xHD	£1,789.99
230-0100096000	GMR 24 xHD	£2,319.99

Our 4 kw high-definition GMR xHD dome radars pair ease of use with advanced open-array features. Dual range operation allows fully independent split-screen display of far and close radar views. The intuitive operation makes modes and settings simple to understand so you can enjoy great performance without a lot of technical know-how.

- 4 kw high-definition 18" or 24" dome radar
- 48 or 24 rpm rotation speeds
- 48 nm max range setting
- Dual range operation
- Supplied with 15m power/network cable

GMR 18HD+ Radome

230-0100171900	GMR 18HD+	£1,449.99

The streamlined GMR 18HD+ dome radar delivers 4 kW of transmit power and clear echo definition at all ranges to enhance safety and situational awareness. Supplied with 15m power/network cable

Models	GMR 24 XHD	GMR 18 XHD	GMR 18HD+
	010-00960-00	010-00959-00	010-01719-00
4 kW Transmit Power	●	●	●
Dual Range	●	●	●
Radar Overlay Support	●	●	●
Power Consumption	30 W typical, 48 W max	30 W typical, 48 W max	33.5 W
Power Input	11-35 V DC	11-35 V DC	11-35 V DC
RPM	24/48	24/48	24
Beam Width (horizontal/vertical)	3.7° H / 25° V	5.2° H / 25° V	5.2° H / 25° V
Minimum Range	20 meters	20 meters	20 meters
Maximum Range	48 nm	48 nm	36 nm

Radar Bundles

230-0100236550	GPSMAP 723xsv & GMR18HD Radar	£2,399.99
230-0100236650	GPSMAP 923xsv & GMR18HD Radar	£2,769.99
230-0100236750	GPSMAP 1223xsv & GMR18HD Radar	£3,999.99

GPSMAP 1223xsv with GMR18HD+ Radar
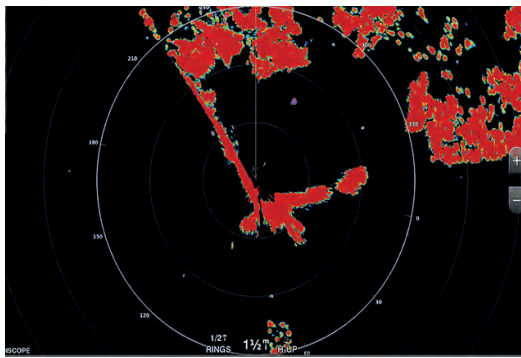
MOTIONSCOPE™ (FANTOM MODELS ONLY)
MotionScope™ highlights moving targets so you can navigate around other boats or severe weather — or toward birds feeding at the surface.
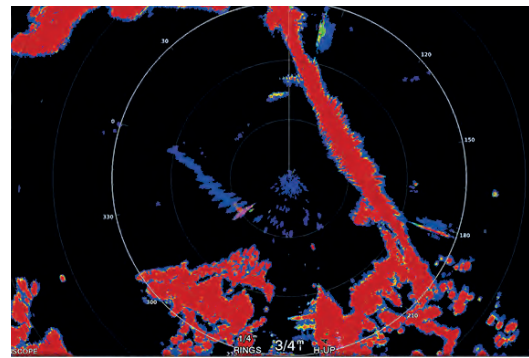
ECHO TRAILS
Echo Trails leave a historical "trail" on the screen to help you quickly identify moving targets.
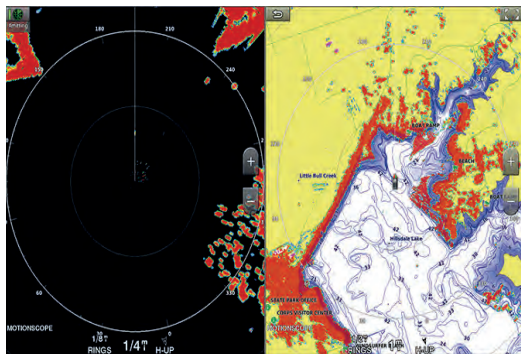
DUAL RANGE WITH OVERLAY
Dual range overlays show close and long range split screen images at the same time.
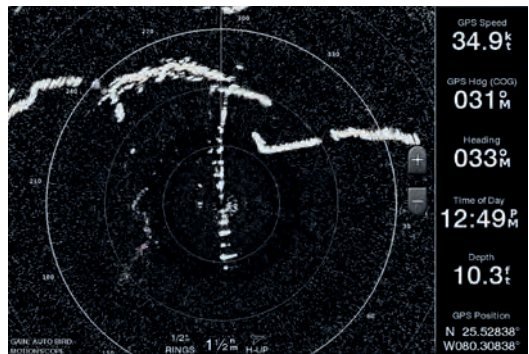
AUTO BIRD GAIN
Auto Bird Gain helps locate flocks of birds at the water's surface where baitfish are also likely to be found.

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

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GARMIN®

VHF 315i Marine Radio

230-0100204701	VHF 315i	**£669.99**
230-0101201700	GA 38 GPS/GLONASS Antenna	**£49.99**

- Reliable 25-watt VHF Class D DSC marine radio
- Includes the GHS™ 11 handset and new active speaker to use as intercom between all stations
- Built-in GPS receiver (requires external antenna)
- NMEA 2000® connectivity for easy integration with compatible chartplotters and multifunction displays
- Pre-programmed with international marine channels
- Supports up to 3 stations with simple waterproof connectors

VHF 215i Marine Radio

230-0100209701	VHF 215i	**£479.99**
230-0100209801	VHF 215i AIS™	**£649.99**

- AIS™ Model displays AIS™ (Automatic Identification Systems) on the chartplotter to enhance communication, situational awareness and collision avoidance
- Fixed-mount with plug and play via the NMEA 2000® network
- Standard Class D Digital Selective Calling (DSC) functionality (distress calling and direct calling with user-programmed MMSI)
- In case of trouble, DSC may improve your chances of a rapid rescue
- 25-watt transmit power with built-in GPS
- Frequency bands: preprogrammed with international marine channels
- Speaker microphone audio power: 94 dBA
- Operating voltage: 12.0 VDC (volts of direct current)
- Designed to complement the latest GPSmap 723/923/1223, GPMAP 10x2/12x2 and GPSMAP® 8400/8600 chartplotters and MFDs

VHF 115i Marine Radio

230-0100209601	**£329.99**

- Fixed-mount with plug and play via the NMEA 2000® network
- Standard Class D Digital Selective Calling (DSC) functionality (distress calling and direct calling with user-programmed MMSI)
- In case of trouble, DSC may improve your chances of a rapid rescue
- 25-watt transmit power with built-in GPS
- Frequency bands: preprogrammed with international marine channels
- Speaker microphone audio power: 94 dBA
- Operating voltage: 12.0 VDC (volts of direct current)
- Designed to complement the latest GPSMAP® 7x2/9x2, GPSMAP 10x2/12x2, GPSMAP® 7400/7600 and GPSMAP® 8400/8600 chartplotters and MFDs

AIS™ 800 Transceiver

230-0100208700	**£889.99**

- Easy-to-use, reliable communication transmits your vessel information to other AIS™ receivers in your area while receiving AIS™ target data
- 5 watts of transmit power with Class B/SO provides faster positioning reporting than ever before
- Built-in GPS with connector for optional external antenna
- NMEA 2000® connectivity for easy integration with compatible chartplotters and multifunction displays
- Internal VHF antenna splitter allows VHF and AIS™ to share a single antenna

Models	VHF 115i	VHF 215i	VHF 215i AIS™	VHF 315i
Display size, diagonal	2.5"	3.2"	3.2"	2" (GHS 11i)
Adjustable backlighting	●	●	Yes	Yes (GHS 11i)
Class D DSC with Distress & Position Polling	●	●	●	●
Transmitter power output	25W / 1W	25W / 1W	25W / 1W	25W / 1W
Dedicated Channel 16 button	●	●	●	Yes (GHS 11i)
ATIS compatible	●	●	●	●
NMEA 0183 interface	●	●	●	●
NMEA 2000® interface	●	●	●	●
Supports GHS 11i		●	●	● (up to 3)
Intercom (requires GHS 11i)		●	●	●
Hailer/Foghorn compatible		●	●	●
Internal GPS receiver	●	●	●	●
Internal GPS antenna	●	●	●	
External GPS options	Antenna NMEA 2000® NMEA 0183	Antenna NMEA 2000® NMEA 0183	Antenna NMEA 2000® NMEA 0183	GA 38 Antenna NMEA 2000® NMEA 0183
AIS™ receiver			●	

GHS 11i Full Function Handset

230-0100175901	**£279.99**

- Allows full function of your VHF 215i or VHF 315i radio from a remote location
- Sharp 2" diagonal dot matrix display
- Dedicated buttons for channels and frequencies
- Multi-function buttons for other settings and functions
- Dedicated Channel 16 button
- Microphone that provides you with intercom options when it is connected to a speaker
- Knob for adjusting volume, squelch & channels

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GARMIN®

NMEA 2000® Cables & Accessories

230-0101144200	Starter Kit - Drop cable (2m), backbone cable (6m), power cable (2 m), 2 T-connectors, terminators	£79.99
230-0101148000	Network Updater	£79.99
230-0101158000	Power Isolator	£19.99
230-0101244510	NMEA 2000® Adapter Cable - 4-pin F to 5-pin M	£15.99
230-0101107603	Backbone/Drop Cable (30cm)	£16.99
230-0101107600	Backbone/Drop Cable (2m)	£21.99
230-0101107604	Backbone/Drop Cable (4m)	£23.99
230-0101107601	Backbone Cable (6m)	£26.99
230-0101107602	Backbone Cable (10m)	£32.99
230-0101107800	Tee Connector	£16.99
230-0101107801	Tee Connector - 4 Ports	£47.99
230-0101107900	Power cable	£16.99
230-0101108000	Terminator - Male	£8.99
230-0101108100	Terminator - Female	£8.99
230-0101109400	Field Installation Male Connector	£24.99
230-0101109500	Field Installation Female Connector	£24.99
230-0101109600	In-line terminator	£12.99

NMEA 2000® Analogue Adapters

230-0101300700	GNA 10 Jog Lever Adaptor	£269.99
230-0101132400	GRA10 Rudder Angle adaptor	£149.99
230-0101132500	GET10 Engine Tilt adaptor	£149.99
230-0101132600	GFL10 Fluid level adaptor	£149.99
230-0101132700	GBT10 Bennett Trim Tab adaptor	£149.99
230-0101132800	GST™10 Water Speed & Temp adaptor	£149.99
230-0101152500	Analogue to NMEA2K Txd adaptor kit	£139.99
230-0100067100	GFS10 Fuel sensor	£179.99

NMEA 2000® analogue adapters from Garmin are easy to add to any existing marine network. The data from the adapters can be viewed via GMI™ Instruments & NMEA 2000® chartplotters.

Garmin Marine Network Accessories

230-0100035100	GMS 10 Network Port Expander (100 MB Switch)	£269.99
230-0101055000	6ft (1.9m) Marine network cable	£21.99
230-0101055100	20ft (6.1m) Marine network cable	£31.99
230-0101055200	40ft (12.2m) Marine network cable	£44.99
230-0101058000	Marine network cable coupler	£26.99
230-0101060300	Marine network cable connector RJ45, 2-pack	£8.99

GPS 24xd NMEA 2000®

230-0100231610	£269.99

- Multi-band GNSS provides location accurate to <1m
- Magnetic heading sensor accurate to <3°
- Compatibility with four key satellite constellations (GPS, Galileo[1], GLONASS, BeiDou[1]) for global usage
- Multi-SBAS compatibility corrects signal measurement errors and provides information about the accuracy, integrity, continuity and availability of its signals
- 10Hz position update rates for high-sensitivity tracking

GPS 24x HVS Antenna

230-0100231600	HVS	£269.99

- High-sensitivity 10Hz 32 channel receiver
- Can handle several GNSS systems, including GPS and GLONASS - compatible with WAAS/EGNOS
- Pole / Surface / Underdeck mount c/w cable

QUATIX GPS WATCHES

Quatix® 6 Marine GPS Smartwatch

230-0100215891	Garmin Quatix® 6	£629.99
230-0100215895	Garmin Quatix® 6 Sapphire	£899.99
230-0100215731	Garmin Quatix® 6X Solar	£999.99

The quatix® 6 multisport GPS smartwatch with specialised marine features provides comprehensive connectivity with compatible Garmin chartplotters and other devices[1] and includes advanced fitness features for all-day wearability.

The quatix® 6X Solar marine GPS smartwatch with solar charging to extends battery life on its big 1.4" display, so you'll have more time to take advantage of its comprehensive connectivity.

- Provides comprehensive connectivity with compatible Garmin chartplotters and other devices
- Rugged, sophisticated design features an always-on 1.3" display, stainless steel bezel, buttons, rear case and QuickFit® band system
- Sailassist™ Capabilities
- Preloaded apps for boating, tides, autopilot control, Fusion-Link™, anchor and fishing
- Support for optional BlueChart® g3 coastal charts
- Collect water sports data and track activities
- Includes preloaded topographic maps, multi-GNSS support, barometric altimeter and compass

- Connected features (when paired with compatible smartphone) include smart notifications, automatic uploads to Garmin Connect™ online fitness community and Garmin Pay™ contactless Payments
- Water-rated to 10 ATM (100 metres)

Quatix® 6X Solar

- Solar-powered multisport GPS smartwatch with specialized marine features
- Large 1.4" display that uses the sun's energy to extend battery life, features a stainless steel bezel, buttons, rear case and QuickFit® band system

GNT 10 NMEA 2000®

230-0100113400	£169.99

The GNT 10 provides the ability to transmit NMEA 2000® data over the wireless ANT network to compatible devices, such as quatix® series marine smartwatches.

GARMIN®

GHP™ Reactor 40 Hydraulic Autopilot

230-0100070519	Hydraulic Corepack excl. Pump	£1,599.99
230-0100070521	Hydraulic without GHC corepack	£1,329.99
230-0100070564	1.2 L Pump kit - cylinder 6-14 in³	£889.99
230-0100070563	2 L Pump kit - cylinder 10-24 in³	£889.99

GHP™ Reactor hydraulic
corepack with pump

- Complete packages designed for hydraulically steered powerboats and sail boats
- Solid-state 9-axis AHRS, reacts to the sea to hold course, even when the boat is pitching and rolling
- Minimises heading error, course deviation, rudder movement, power consumption, while providing a comfortable ride
- Mounts in any orientation
- Minimal commissioning and calibration takes just five minutes
- One SmartPump™ fits most hydraulically steered boating applications
- NMEA 2000® interface

- Small, brushless SmartPump™ delivers better thermal performance, higher reliability, and lower power consumption
- Optimal performance for all steering cylinder sizes from 4 to 17 cubic inches
- Intelligent Rudder Rate Technology (IRRT)
- Patented Shadow Drive™ technology keeps you in control even when autopilot is engaged
- Provides advanced features to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device
- Connects to up to 3 GHC™ 20 control units

GHP™ Compact Reactor 40 Hydraulic Autopilots

230-0100070506	Corepack excl. GHC 20	£1,329.99
230-0100070507	Corepack with GHC 20	£1,679.99
230-0100070508	Corepack with GHC 20 & Shadow Drive	£1,949.99

Designed for boats less than 30 feet long to provide relief from manually holding the wheel to maintain course in heavy currents or winds. Solid-state 9-axis AHRS technology delivers less heading error, course deviation, rudder movement, power consumption and a more comfortable ride. Easy to install with flexible mounting options and quick, easy commissioning via a compatible chartplotter or GHC 20.

GHP™ Compact Reactor
hydraulic corepack

GHP™ Compact Reactor hydraulic
corepack with GHC 20

GHP™ Compact Reactor hydraulic corepack
with GHC 20 & Shadow Drive™

- Solid-state 9-axis AHRS, reacts to the sea to hold course, even when the boat is unstable
- Provides an extra set of hands, relief from manually holding the wheel to remain on course in heavy currents or winds
- Easy-to-install CCU provides flexible mounting options and quick, easy commissioning

- NMEA 2000® interface
- Minimal commissioning and calibration takes just five minutes
- 1 L geared pump supports hydraulic steering cylinders up to 10 cubic inches
- Provides advanced features to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device

COMPATIBLE AUTOPILOT PRODUCTS

GHC 20 Control Unit

230-0100114100	£579.99

Control your autopilot with up to three GHC 20 autopilot helm controller units. Compatible with all Garmin autopilots, for both motor and sail boats.

Autopilot Remote

230-0101283310	£299.99

The ultimate in onboard freedom and convenience all in the palm of your hand. Bright colour display and new gesture controls let you course-correct with ease.

GRF 10 Rudder Sensor

230-0101182900	£199.99

Pair this GRF 10 rudder feedback sensor with your autopilot to provide rudder position feedback to detect and avoid rudder stops.

GARMIN

AUTOPILOTS

GARMIN®

GHP™ Reactor 40 Mechanical Autopilot

230-0100070549	Mechanical Retrofit Corepack	£1,459.99
230-0100070548	Mechanical Retrofit without GHC corepack	£1,239.99
230-0101157200	Class A Mechanical Drive Unit	£1,599.99
230-0101202900	Class B Compact Hydraulic Drive Unit	£1,599.99
230-0101157300	Class B Hydraulic Drive Unit	£1,999.99
230-0101182900	GRF10 Rudder Sensor	£199.99
230-0101153200	Rudder Feedback Cable	£10.99
230-0101153300	Actuator Power Cable	£29.99
230-0101153310	Solenoid Power Cable	£37.99

You never know when an extra crew member can come in handy. Maybe the wind picks up, and you have to leave the wheel to raise the sails or pull in fenders. Even in calm conditions, you sometimes need to hand over to someone else. That's where this below-deck autopilot system comes in, ideally suited for sail boats or powerboats with direct or cable-actuated steering systems.

Reactor retrofit corepack for mechanical / solenoid

- Ideal for sail boats with direct or cable-actuated steering systems
- Retrofit with your existing autopilot actuator or use with one of several Garmin linear actuator options (sold separately)
- Solid-state 9-axis AHRS, reacts to the sea to hold course, even when the boat is pitching and rolling
- Minimises heading error, course deviation, rudder movement, power consumption, while providing a comfortable ride
- Mounts in any orientation
- Minimal commissioning and calibration takes just five minutes
- Engineered from corrosion-resistant components

- NMEA 2000® interface
- Enter your boat's displacement or its planning speed, and Reactor will take into consideration the various steering characteristics that are required
- Provides advanced features to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device
- Connects to up to 3 GHC™ 20 control units
- When used with a Garmin chartplotter with optional BlueChart® g3 and 3g Vision® charts, the Reactor autopilot can automatically follow an Auto Guidance path
- Add optional GHC™ wireless remote for autopilot control anywhere on your boat

Class A Mechanical Drive Unit for boats up to 13T

Class B Compact Hydraulic Drive Unit for boats up to 22T
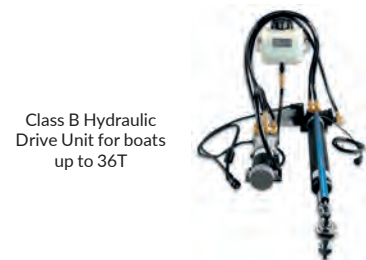
Class B Hydraulic Drive Unit for boats up to 36T

GHP™ Reactor 40 Steer-by-wire Autopilot

230-0100070586	Standard Corepack with GHC 20	£2,299.99
230-0100070590	Standard Corepack excl. GHC 20	£2,029.99
230-0100070587	Yamaha Corepack with GHC 20	£2,829.99
230-0100070591	Yamaha Corepack excl. GHC 20	£2,569.99
230-0100070589	Volvo Penta Corepack with GHC 20	£4,469.99
230-0100070593	Volvo Penta Corepack excl. GHC 20	£4,199.99

These corepacks bring our GHP™ Reactor 40 autopilot technology to vessels with select steer-by-wire control systems, including Yanmar® Electric Power Steering for the JC10 Joystick system, Teleflex® Optimus™ systems, Yamaha® Helm Master™ systems, Volvo Penta® Inboard Performance Systems and ZF® 2800 Pod Drive steerings systems.

GHP™ Reactor steer-by-wire standard corepack

GHP™ Reactor steer-by-wire Yamaha® Helm Master™ corepack

GHP™ Reactor steer-by-wire Volvo Penta® corepack

- Solid-state 9-axis AHRS, reacts to the sea to hold course, even when the boat is unstable
- Standard corepack: supports steering systems from Yanmar® JC10 Joystick system, Teleflex® Optimus™ systems and ZF® 2800 system
- Corepack for Yamaha®: supports Yamaha Helm Master systems
- Corepack for Volvo Penta®: supports Volvo Penta IPS & stern drive joystick systems
- Minimises heading error, course deviation, rudder movement, power consumption, while providing a comfortable ride

- Mounts in any orientation
- NMEA 2000® interface
- Minimal commissioning and calibration takes just five minutes
- Provides advanced features to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device
- Connects to up to 3 GHC™ 20 control units
- Add optional GHC™ wireless remote for autopilot control anywhere on your boat

All prices SRP inc VAT. For trade prices and stock availability visit www.smgeurope.com

GARMIN

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GNX™ Wireless Sail Pack 43

230-0100161630 **£1,339.99**

- Includes GNX™ Wind, GNX™ 20, gWind™ Wireless 2, GST™ 43 transducer, GDT™ 43 transducer & NMEA 2000® adapters

GNX™ Wireless Wind Pack

230-0100161610 **£749.99**

- Includes GNX™ Wind Instrument & gWind™ Wireless 2 transducer
- 2 data fields and a digital wind rose to simultaneously display true and apparent wind data, Steer Pilot, boat speed and more

GNX™ Wireless Sail Pack 52

230-0100161640 **£1,469.99**

- Includes GNX™ Wind, GNX™ 20, gWind™ Wireless 2 & DST 810 transducer

gWind™ Wireless 2

230-0100161600 **£629.99**

- Eliminates running wires through mast up to 50 feet
- Internal solar-charged battery lasts 3 year and is easily replaceable
- Wind signals sent through ANT directly to a GNX™ Wind Instrument

GNX™ Wired Sail Pack 43

230-0100124860 **£1,339.99**

- Includes GNX™ Wind, GNX™ 20, gWind™, GND™ 10 & GDT™ 43 & GST™ 43 transducers
- Three bladed propeller for more accurate True Wind Speed (TWS) and stable True Wind Angle (TWA)

GNX™ Wired Sail Pack 52

230-0100124870 **£1,469.99**

- Includes GNX™ Wind, GNX™ 20, gWind™, GND™ 10 & DST810 transducer
- GNX™ 20 highly visible monochrome display
- DST 810 52mm thru hull transducer provides water depth, speed & temperature

GMI™ Wired Start Pack 52

230-0100124880 **£1,379.99**

- Includes GMI™ 20, gWind™, GND™ 10 & DST810 transducer
- GMI™ 20 has a 4" colour LCD display with anti glare finish
- DST 810 52mm thru hull transducer provides water depth, speed & temperature

gWind™

230-0100122700 **£519.99**

- Three bladed propeller for accurate True Wind Speed (TWS)
- Two-fin design gives a stable True Wind Angle (TWA)
- GND™10 black box bridges NMEA 2000® to NEXUS Network

gWind™ Race

230-0100122800 **£1,159.99**

- 1m pole raises Wind transducer above the mast to remove turbulence errors from sail wash
- Three bladed propeller for accurate True Wind Speed (TWS)
- Three-fin design gives a stable True Wind Angle (TWA)
- GND™10 black box bridges NMEA 2000® to NEXUS Network

GNX™ Wind Instrument

230-0100114230 **£489.99**

- High-visibility, glass-bonded backlit LCD display with customisable colours.
- Displays two data fields and a digital wind rose simultaneously to display true and apparent wind data, steering guidance, boat speed and more.
- Offers 15 important marine parameters for wind, speed, navigation and customisable profiles and other configurations.

GND™ 10 Black Box

230-0100122600 **£129.99**

- Seamlessly integrates Nexus instruments and sensors with the Garmin family including the gWind™ and gWind™ Race wind transducers
- Converts data between the Nexus network and NMEA 2000®
- Simple plug-and-play installation and USB connectivity
- Integrated key features via the plotter for enhanced sailing functionality

Models	GNX Wireless Wind Pack	GNX Wireless Sail Pack 52	GNX Wireless Sail Pack 43	GNX Wired Sail Pack 52	GMI Wired Sail Pack 52	GNX Wired Sail Pack 43
Wireless	•	•	•			
gWind				•	•	•
gWind Wireless 2	•	•	•			
GNX Wind	•	•	•	•		•
GNX 20		•	•	•		•
DST 810 (depth, speed, temp.)		•		•	•	
GST 43 (speed, temperature)			•			•
GDT 43 (speed, temperature)			•			•
NMEA 2000® adapters		•	•			•
GND 10				•	•	
GMI 20					•	
NMEA 2000® compatible	•	•	•	•	•	•
NMEA 0183 compatible		•	•	•		•
GNX Keypad compatible		•	•	•		•
Quatix 6 Support	•	•	•	•		•
Fluid level					•	
ANT™ wireless connectivity	•	•	•	•		•

GARMIN®

GNX™ 20/21 Instruments

| 230-0100114200 | GNX™ 20 - Standard 4" LCD | £399.99 |
| 230-0100114210 | GNX™ 21 - Inverted 4" LCD | £399.99 |

- Large 4 hybrid mono display
- Back-lighting, choice of 7 colours
- Glass-bonded lens to prevent fogging
- Displays depth, speed, wind & 50+ marine & vessel parameters
- Low power consumption: 0.35 W (day - no back-light)

- 0.4 W (night - mid-level back-light)
- Large digits up to 36.4 mm high
- Multiple colour schemes
- NMEA 0183 & 2000 compatible
- Powered through NMEA 2000®
- Supports 10Hz external GPS input
- Customisable user profiles

GMI™ 20 Instrument

| 230-0100114000 | | £499.99 |

- Large bright 4 QVGA colour display with LED back-lighting
- Glass bonded lens to prevent fogging
- Displays depth, speed, wind, engine information & over 100+ marine & vessel parameters
- High contrast & up to 170˚ viewing angle
- Multiple colour schemes & night modes

- Large digits up to 47 mm high
- NMEA 0183 & 2000 compatible
- Powered through NMEA 2000®
- Supports 10Hz external GPS input
- Customisable data fields
- Customisable user profiles
- Low power mode

GNX™ 120 & 130 Instruments

| 230-0100139500 | GNX™ 120 - 7" Display | £799.99 |
| 230-0100139600 | GNX™ 130 - 10" Display | £1,339.99 |

- Designed for serious sailors who demand quality, precision and total integration
- High-precision glass-bonded backlit LCD display avoids fogging
- Provides the data necessary to make confident decisions
- Displays over 50 marine and boat parameters for wind, sea, & vessel conditions
- Configuration and set up through capacitive touch buttons on the display
- Integrated sailing ecosystem allows sailing data to be shared between Garmin devices
- Change functions from fixed-mount GNX™ Keypad (sold separately)
- 10 Channels to display information from tactical Navigation SW like Expedition, Adrena, SeaTrack and Faro
- Large, easy-to-read white or colour digits on black background for high contrast & high visibility in all lighting conditions
- Choose from 7 different backlight colours, or create your own
- Auto-scroll screens for hands-free operation
- Low power consumption (0.35W day, no backlight & 0.40W night with mid-level backlight)
- Fully customisable user-profiles allow you to configure screen layout to your preferred setting
- Five display configurations: single, dual & triple function, plus Gauge & Graph modes
- NMEA 2000® compatible
- Flat or flush mount for a beautiful glass mast look using optional mast brackets

Sizes (mm)	W	H	D
GNX™ 20 / 21	110	116	30
GMI™ 20	110	116	30
GNX™ 120	181	115	17
GNX™ 130	249	153	19

GNX™ Keypad

| 230-0101225500 | | £149.99 |

- Control from a distance with this push-button keypad interface, includes four buttons dedicated to pre-set configurations
- Dimensions: 59 x 115 x 15 mm
- Weight: 95 g
- Background lighting adjustment
- Auto-on: Yes - Power consumption: 0.2 W
- NMEA 2000® certified: Yes (Not NMEA 0183)

Mast Brackets for GNX™ 120

230-0101223600	2 Units	£399.99
230-0101223601	3 Units	£489.99
230-0101223602	4 Units	£579.99

Carbon fibre mast brackets for the GNX™ 120.

GARMIN

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All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

GARMIN®

GPSMAP® 276Cx

GPS Navigator

230-0100160701	GPSMAP®276cx	**£729.99**
230-0101070200	GA25MCX remote GPS Antenna	**£20.99**

- Developed from the versatile GPSMAP® 276C
- Adds more sensors - with GPS+GLONASS, Altimeter & 3D-Compass
- Large 5" sunlight readable WVGA display
- Optional advanced navigation – Drive mode, TTS voice guidance, Curvy Roads etc
- Fully connected through Bluetooth®, ANT+ and Wi-Fi®
- Preloaded Recreational Map of Europe & 1 year free BirdsEye Satellite subscription
- Compatible with Bluechart G3 cartography

eTrex® 10

230-0100097000	eTrex® 10	**£99.99**

- High-performance and high-contrast
- 2.2" monochrome display
- High-sensitivity GPS with HotFix®
- GPS & GLONASS satellite tracking
- Compact, robust and light housing
- Battery life up to 25h
- IPX7 Waterproof
- Paperless geocaching

GPSMAP® 78/78s

230-0100086400	GPSMAP®78	**£219.99**
230-0100086401	GPSMAP®78s	**£299.99**

- 2.6" LCD colour display
- Highly sensitive GPS receiver for optimum reception and performance
- Slot for microSD™ card
- USB interface
- Wireless data transfers
- IPX7 Waterproof & Floats
- MOB (man overboard) button: shows distance & bearing to the position where the button was pressed
- 3-axis electronic compass and barometric altimeter (78s)
- Compatible with BlueChart® g3 charts - basic chart display only
- NMEA 0183 support

GPS 73

230-0100150400		**£159.99**

- 2.6" LCD monochrome display
- High-sensitivity GPS marks and stores 1,000 waypoints and 100 tracks
- SailAssist™ include virtual starting line, heading line, countdown timers & tack assist
- MOB (man overboard) button
- Marine alarms (including off course, anchor drag and more)
- Sunrise/sunset, estimated time of arrival, other calculations & marine data
- Built-in backlight
- Up to 18-hour battery life with 2 AA batteries (not included)
- NMEA 0183 support
- IPX7 Waterproof & Floats
- **In the box :** GPS 73, Lanyard, Quick start manual

GARMIN®

GPSMAP 86s Handheld GPS

230-0100223501	**£349.99**

Cast off confidently with **GPSMAP® 86s**. This premium, floating handheld has a sunlight-readable 3" colour display. Wireless connectivity with compatible chartplotters and instruments makes it a virtual extension of your onboard marine system.

- Water-resistant, floating design, sunlight-visible 3" display and button operation provide ease of use on the water
- Stream boat data from compatible chartplotters and instruments to consolidate your marine system information
- Functions as a remote control for convenient operation of your Garmin autopilot and FUSION® marine products
- Supports optional BlueChart® g3 charts
- Adjustable GPS filter smooths speed and heading indications over swells
- Pair with your compatible smartphone to receive smart notifications
- Internal, rechargeable lithium battery provides up to 200 hours in Expedition Mode and 40 hours in Standard Mode.
- Sync with the Garmin Explore™ portal and app for cloud management of waypoints, tracks and routes
- Includes Wi-Fi® connectivity, ANT+® technology and BLUETOOTH® wireless technology

inReach Mini

230-0100187901	Grey	**£299.99**
230-0100187900	Orange	**£299.99**
230-0100187902	Marine Bundle	**£349.99**

Palm-sized satellite communicator for adventures where size and weight matter. inReach Mini sends and receives text messages, tracks and shares journeys and, if necessary, triggers an SOS alert to contact the GEOS 24/7 emergency response team. With inReach connectivity, family and friends will know they can stay in touch, no matter where your activities may take you.

Measuring just under 9.9 cm tall by 5.2 cm wide and weighing a mere 100 g, inReach Mini is a comfortable fit for your pocket or backpack. It connects for messaging via the Iridium® satellite network, offering seamless 100% Iridium coverage worldwide. You don't have to worry about being within range of a mobile phone signal or encountering spotty coverage.

- Small, rugged, lightweight satellite communicator enables two-way text messaging with 100% global Iridium® coverage
- Trigger an interactive SOS to the 24/7 search and rescue monitoring centre*
- Access downloadable maps, colour aerial imagery and more by using the free Garmin Earthmate® app and compatible devices
- Optional inReach weather forecast service provides detailed updates directly to your inReach Mini or paired device; basic and premium weather packages available
- Send and receive inReach messages through compatible Garmin devices, including connected wearables and handhelds*
- Internal, rechargeable lithium battery provides up to 50 hours of battery life in 10-minute tracking mode

GPSMAP 86i Satellite Communicator/GPS

230-0100223601	**£519.99**

Cast off confidently with **GPSMAP® 86i**. This premium, floating handheld has a sunlight-readable 3" colour display plus inReach® satellite communication capabilities[1]. Wireless connectivity with compatible chartplotters and instruments makes it a virtual extension of your onboard marine system.

- Water-resistant, floating design, sunlight-visible 3" display and button operation provide ease of use on the water
- Stream boat data from compatible chartplotters and instruments to consolidate your marine system information
- Stay in touch from anywhere with inReach® satellite communication and two-way text messaging via the 100% global Iridium® satellite network[1]
- Functions as a remote control for convenient operation of your Garmin autopilot and FUSION® marine products
- Supports optional BlueChart® g3 charts
- Adjustable GPS filter smooths speed and heading indications over swells
- Trigger an interactive SOS to the 24/7 search and rescue monitoring center[1]
- Share location with others using GPS-based location tracking[1]
- Optional inReach® weather forecast service provides detailed updates directly to your GPSMAP® 86i handheld[1]
- Pair with your compatible smartphone to receive smart notifications
- Internal, rechargeable lithium battery provides up to 35 hours of battery life in 10-minute tracking mode.
- Sync with the Garmin Explore™ portal and app for cloud management of waypoints, tracks and routes
- Includes Wi-Fi® connectivity, ANT+® technology and BLUETOOTH® wireless technology

[1]Satellite subscription required

inReach Mini Marine Bundle

- Puts the rugged, compact inReach Mini satellite communicator on your boat for interactive SOS, two-way messaging and basic navigation via the global Iridium® network
- Screw down mount, 12-volt power cable and wireless connectivity to compatible chartplotters adds peace of mind to your adventures without taking up space on your helm

inReach Mini Marine Bundle

* satellite subscription required

NOTICE: Some jurisdictions regulate or prohibit the use of satellite communications devices.
It is the responsibility of the user to know and follow all applicable laws in the jurisdictions where the device is intended to be used

GARMIN®

BlueChart® g3

BlueChart® g3 - Preprogrammed MicroSD/SD™ cards	
Large Coverage Areas - Bluechart G3 Vision	£349.99
Regular Coverage Areas - Bluechart G3	£129.99
Regular Coverage Areas - Bluechart G3 Vision	£249.99
Small Coverage Areas Bluechart G3 Vision	£174.99

Features	BlueChart g3	BlueChart g3 Vision
Coastal and Inland	✔	✔
Up to 1' Contours	✔	✔
Auto guidance technology	✔	✔
Relief Shading		via ActiveCaptain based on availability
Depth-Range Shading	✔	✔
Shallow-Water Shading	✔	✔
High-resolution Satellite Imagery		✔
Aerial Photography		✔
3D FishEye View		✔
3D MarinerEye View		✔

BlueChart® g3
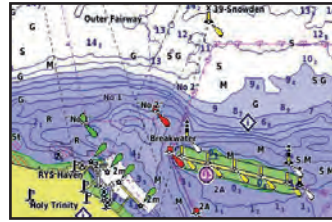
BlueChart® g3 charts provide industry leading coverage, clarity and detail with integrated Garmin and Navionics® content. The charts also let you easily calculate suggested routes with Auto Guidance[1].

BlueChart® g3 vision
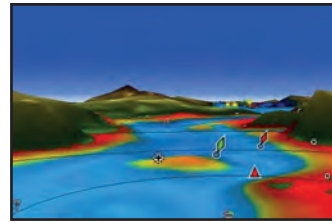
Garmin's premium chart offering which includes all the reliability, features and integrated Garmin and Navionics® content of BlueChart® g3 while adding even more industry-leading features to help you along your journeys.

● Included with BlueChart® g3

● Included with BlueChart® g3 vision

NEW 2021
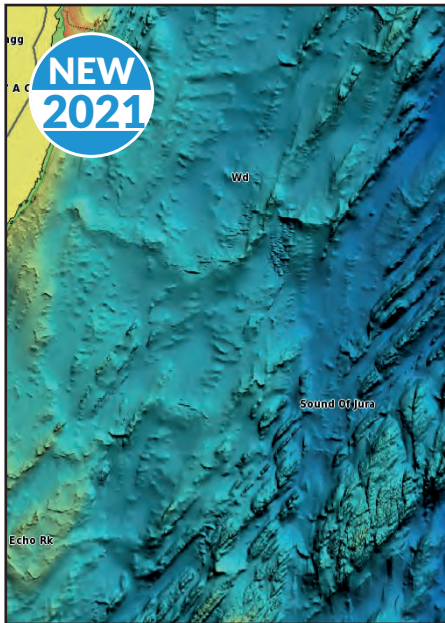
HIGH-RESOLUTION RELIEF SHADING ●
Exceptional shading feature combines colour and shadow to give you an easy-to-interpret view of bottom profile, making it easy to find artificial reefs, underwater shelves and more. Available via download from the ActiveCaptain app.
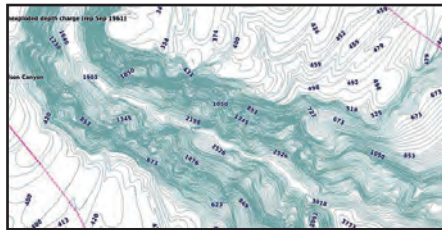
DETAILED CONTOURS ● ●
BlueChart® g3 features 1-foot contours that provide a more accurate depiction of bottom structure for improved fishing charts and enhanced detail in swamps, canals and port plans.

AUTO GUIDANCE ● ●
Includes Auto Guidance technology, so you can easily calculate routes and see a suggested path to follow.
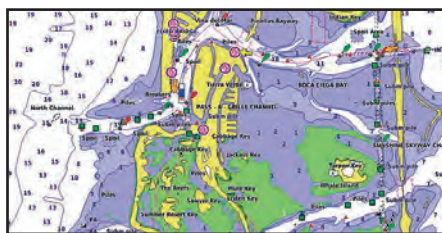
ADVANCED CHART DETAIL ● ●
Highly detailed charts with Navionics® data help the mariner guide their boat in and out of port with confidence.
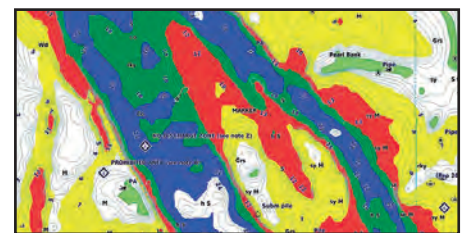
DEPTH RANGE SHADING ● ●
Displays high-resolution Depth Range Shading for up to 10 depth ranges so you can view your designated target depth.

SATELLITE / AERIAL IMAGERY ●
Shows exceptional detail of many ports, harbors and marinas. Ideal when entering unfamiliar ports.
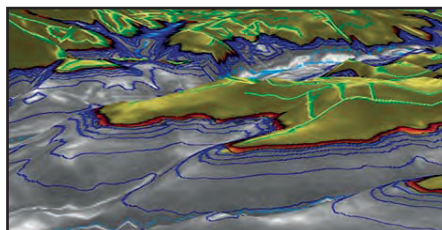
MARINERSEYE VIEW ●
Provides a 3D representation of the ocean floor as seen from below the waterline.
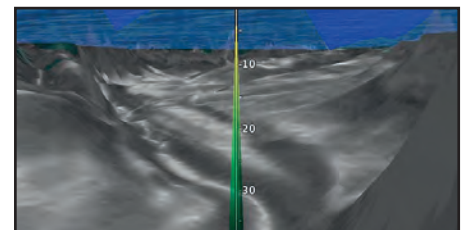
FISHEYE VIEW ●
Provides a 3D representation of the surrounding area both above and below the waterline.

GARMIN®

LARGE COVERAGE AREAS - Available in BlueChart® G3 Vision

| EU721L | Northern Europe | EU722L | Europe Atlantic Coast | EU723L | Southern Europe |

REGULAR COVERAGE AREAS - Available in BlueChart® G3 & BlueChart® G3 Vision

EU001R	English Channel	EU004R	Irish Sea	EU008R	Bay of Biscay
EU002R	S/E England-Belux Inland Waters	EU005R	Ireland, West Coast	EU018R	Benelux Offshore & Inland Waters
EU003R	Great Britain, Northeast Coast	EU006R	Scotland, West Coast		
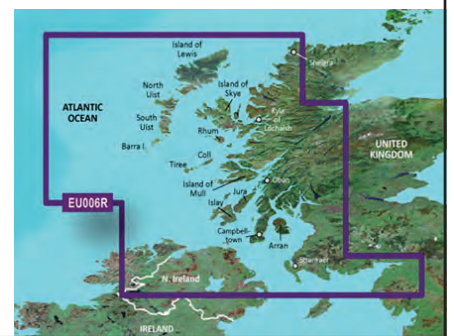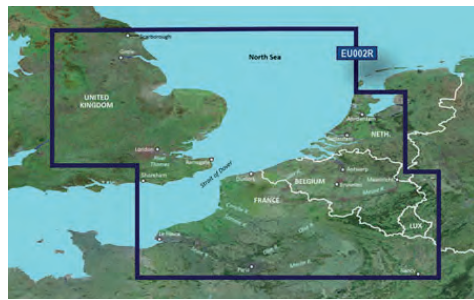
SMALL COVERAGE AREAS - Available in BlueChart® G3 Vision

EU456S	English Channel, Central-East	EU464S	Penmarch to Les Sables D'Olonne	EU483S	Galway Bay to Cork
EU457S	Bretagne	EU465S	La Baule to San Sebastian	EU484S	Ireland North-West
EU461S	Thames Estuary	EU467S	Blackpool to Cardiff	EU500S	Blyth to Lowestoft
EU463S	Bristol Channel & England S/W	EU482S	Wexford to Dingle Bay		

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

EmpirBus™
A Garmin Brand

DIGITAL SWITCHING AND MONITORING

EmpirBus brings all the power and convenience of advanced home automation to your vessel by allowing you to control and monitor all onboard electronic systems from your Garmin chartplotter or multifunction display: lighting, wipers, entertainment and security systems, air-conditioning, navigation lights and much more. EmpirBus replaces the standard mechanical circuit breakers and switches with state-of-the-art digital power distribution that provides reliable, convenient and easy-to-use operation.

Call 01752 241010 for advice

Creativity Unbound

EmpirBus systems feature fully customizable layouts and graphics that allow for every circuit switch or monitor to be shown in any configuration with a simple drag-and-drop graphic interface builder. Screens can even be personalized by uploading boat images.

User Interface for Compatible Garmin Chartplotters

NXT DCM

Provides full control of your vessel, from the engine to advanced lighting, dimming and ambience to wiper systems. It has a small footprint and is easy to install and service.

Connect 50

Connect 50 is a more compact version of the NXT DCM, designed for smaller or less complex installations. It includes the durability and competence of the NXT DCM and delivers outstanding cost/channel ratio without sacrificing important functionality.

NXT Master Control Unit (MCU)

NXT Master Control Unit is the central processor that drives the system, provides the computing power, intelligence and decision making. In addition there are various interfaces for connection to external devices.

Web Display Unit (WDU)

Web Display (WDU) unit is a webserver unit to distribute customized graphics to any HTML5-supporting device. The WDU allows any EmpirBus system to be controlled and monitored by a user interface fully optimized for its purpose.

FUSION
A Garmin Brand

APOLLO SERIES

Apollo RA770 Marine Stereo

233-0100190500	RA770	£699.00

FUSION LINK
AirPlay 2

- Glass touchscreen LCD colour 4.3" display
- Marine Wi-Fi Stereo with Apple AirPlay 2
- Digital Signal Processing (DSP) producing superior quality in every environment
- PartyBus - Enjoy Personal Mode or add further Apollo units to create Party Mode.
- Over the air software updates available over Wi-Fi
- Sources : AM/FM/ Bluetooth / Apple AirPlay 2 / Wi-Fi audio streaming / digital optical input / USB audio / AUX x2 / UPnP / MTP / DAB+ ready

- (requires MS-DAB100A)
- Fusion-Link – control your entertainment directly from partnered marine MFD, compatible Apple or Android devices via the Fusion-Link app
- Multi-Zone Technology – four independent audio zones available for a customised listening experience (zones 3 & 4 require an additional amplifier)
- 280 W peak power output

Apollo RA670 Marine Stereo

233-0100213800	RA670	£499.00

FUSION LINK
AirPlay 2
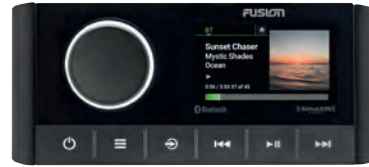
- Optically bonded 2.7" LCD colour display
- Wi-Fi when integrated with an external network router or the RA770 stereo
- Digital Signal Processing (DSP)
- PartyBus - Enjoy Personal Mode or add further Apollo units to create Party Mode
- Over the air software updates available over Wi-Fi
- Sources : AM/FM / Bluetooth / Apple AirPlay 2 / Wi-Fi audio streaming / digital optical input / USB audio / AUX x2 / UPnP / MTP / DAB+ ready (requires MS-DAB100A)

- Fusion-Link – control your entertainment directly from partnered marine MFD, compatible Apple or Android devices via the Fusion-Link app
- Multi-Zone Technology – three independent audio zones available for a customised listening experience (zone 3 requires an additional amplifier)
- 280 W peak power output

Apollo SRX400 Zone Stereo

233-0100198300	SRX400	£399.00

FUSION LINK
AirPlay 2
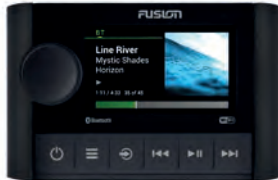
- Compact Design: 2.7" colour display designed for installation where minimal space is available
- Industry-First Marine Stereo With Apple AirPlay 2
- Worlds First Marine Wi-FI Stereo
- Digital Signal Processing (DSP)
- PartyBus - Enjoy Personal Mode or add an Apollo RA770 to create Party Mode.

- Sources : AM/FM / Bluetooth / Apple AirPlay 2 / Wi-Fi audio streaming / UPnP
- Over the air software updates available over Wi-Fi
- Fusion-Link – Enables control of your entertainment from Apple or Android devices via the Fusion-Link app
- IPx7 Ingress Protection Rating of front panel
- 140W peak power output

Apollo ERX400 Wired Remote Control

233-0100224400	ERX400	£259.00
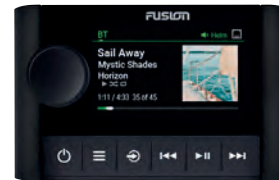
- Apollo ERX400 wired remote control allows you to add intuitive and integrated audio control to any zone on board your boat
- Optically bonded 2.7" colour display
- Intuitive user experience for quick and easy adjustment of your audio
- Over-the-air software updates from your compatible device via the free Fusion-Link™ app

- Flat, flush, surface mounting options available
- IPX6 and IPX7 Ingress Protection rating
- Connects to your compatible Fusion stereo and is powered using only a single network/power cable
- Compact design

Apollo WB670 Premium Hideaway System

233-0100234600	WB670	£479.00

FUSION LINK
AirPlay 2

- Connect an Apollo ERX400 wired remote via Ethernet for the full Apollo user experience or control your tunes from a compatible multifunction display, compatible device or Garmin watch
- Custom audio profiles for each zone in your boat to deliver higher quality audio
- Enjoy the freedom of musical choice onboard with PartyBus-Network*
- Over-the-air software updates* from your compatible device via the free Fusion-Link™ app
- Multi-Zone technology control of three separate audio zones
- Compact design to save space on board
- Class-D amplifier design for higher efficiency and output
- 280-watt peak power output
- 2 ohm stereo stable for wiring up to 2x 4 Ohm speakers per channel
- NMEA2000 Compatible

FUSION
A Garmin Brand

MS-RA210 Marine Stereo

233-0100225000	**£399.00**

- Digital Signal Processing (DSP) producing superior quality in every environment
- Optically bonded colour 2,7" LCD
- Fusion-Link™ control of your entertainment from Multi-Function Displays, compatible Apple or Android devices and Garmin watches
- Class-D amplified stereo - 200 Watts Max
- IPX6 and IPX7 water resistance
- 4 Ohm stereo stable

- Multi-Zone Technology – two independent audio zones available for a customised listening experience. (Subwoofer and full range line outs require additional amplification)
- Sources: Bluetooth, AM/FM radio, iPhone/iPod, MTP, SiriusXM and DAB+ radio available (DAB100A required), USB and AUX connections
- Compact Design - a conventional flush mount finish or integrating it into the dash with a flat finish. Can also be retrofitted to previous 5/6/700 series cutouts with retrofit kit (sold separately)

70 Series

233-0100151611	RA70N - NMEA2K	**£329.00**
233-0100151601	RA70 - Non-NMEA2K	**£279.00**

- Multizone technology control in two separate audio zones
- Optically bonded LCD
- DIN sized mounting options
- 200 W peak power output
- Sources: AM/FM / USB / iPhone / iPod /Android AOA / Bluetooth / AUX / DAB+ Ready (Requires MS-DAB100A)
- IPX7 Ingress Protection rating from the front panel

- Multiple connectivity options
- NMEA2000 network via a partnered MFD
- Compatible with the NRX Series remote
- Bluetooth Wireless Technology via a compatible smart device
- ANT technology

Adapter Plate Kit, RA670/RA210 to 5/6/700 series cut outs

233-0101282903	**£23.00**

- Integrate your Apollo RA670 or MS-RA210 marine stereo seamlessly into an existing Fusion 755 Series, 750 Series or 650 Series cutout with the Stereo Retrofit Kit.

- The Stereo Retrofit Kit also comes with a MS-RA670 / MS-RA210 Dust Cover.

BB100 Black Box System

233-0100151701	**£279.00**

- A2DP bluetooth audio streaming
- Fusion-Link Wired, Wireless and Lite (ANT Garmin Watches)
- 2 zone multi-zone technology
- Sources: AM/FM / USB / AUX / iPhone / iPod / Android AOA / Bluetooth / DAB+ Ready (Requires MS-DAB100A)

- MP3 audio playback via USB
- Apple IAP2 audio playback
- **Wired Remote**
  - Embedded Bluetooth receiver
  - IPX7 Water Resistant
  - Multi-mount (dash or flush mount)
  - NRX-300 connectivity - NMEA 2K

Speaker Bundles

233-0200029000	MS-RA70 & EL-F651 6.5" Speakers	**£329.00**
233-0200029001	MS-RA70N & EL-F651 6.5" Speakers	**£379.00**

MS-RA70/N & EL-F651 6.5" Speakers

FHM - Marine Handheld Microphone

233-0101301400	**£119.00**

- Designed for compatible Fusion marine stereos with telemute feature, enabling you to make announcements over your Fusion entertainment system
- Features built-in pre-amplification and a compact size that fits easily in the dash space of your helm using the microphone hanger.
- Ingress Protection Rating: IPX7
- Dimensions (WxHxD): 60.35 x 87.86 x 34 mm
- Warranty: 1 year
- Compatible with: RA770, RA670, MS-WB670, RA210, RA70, RA70N, RA70NSX, BB100, 755 Series, 650 Series

PREMIUM SPEAKERS

Signature Series 3 Speakers

6.5" 230W Coaxial Signature Speakers with CRBGW LEDs		
233-0100243200	SG-F652W Classic White (No LED)	£249.00
233-0100243210	SG-FL652SPW Sports White + LED	£269.00
233-0100243211	SG-FL652SPC Sports Chrome + LED	£289.00
7.7" 280W Coaxial Signature Speakers with CRBGW LEDs		
233-0100243300	SG-F772W Classic White (No LED)	£289.00
233-0100243310	SG-FL772SPW Sports White + LED	£309.00
233-0100243311	SG-FL772SPC Sports Chrome + LED	£329.00
8.8" 330W Coaxial Signature Speakers with CRBGW LEDs		
233-0100243400	SG-F882W Classic White (No LED)	£389.00
233-0100243410	SG-FL882SPW Sports White + LED	£399.00
233-0100243411	SG-FL882SPC Sports Chrome + LED	£409.00

CURV cone technology

Silk dome tweeter

Premium CRGBW (Cool white, Red, Green, Blue, Warm White) LED lighting (Sports style only)

Large diameter voice coil

IP65 Water Resistant

330W Peak Power Output

4 Ohm Impedance

Fully sealed crossover components

High grade basket construction

Signature Series Subwoofers with CRGBW LEDs

233-0100243500	SG-S102W 10" Classic White (No LED)	£199.00
233-0100243510	SG-SL102SPW 10" Sports White + LED	£229.00
233-0100243511	SG-SL102SPC 10" Sports Chrome + LED	£259.00
233-0100243610	SG-SL122SPW 12" Sports White + LED	£459.00
233-0100243611	SG-SL122SPC 12" Sports Chrome + LED	£499.00

- Industry-first marine subwoofers with CRGBW LED Lighting (Cool White, Red, Green, Blue, Warm White) (Sports style only & remote control required) - **See page 78**
- 600 Watts Max Power
- True-marine design & protection
- IP65 Water Resistant
- 10"/12" Fibreglass-paper composite cone
- High grade engineered basket construction
- Large diameter Voice Coil

Wake Tower Speakers (Pair)

6.5" 230W Coaxial Signature Speakers with CRBGW LEDs		
233-0100243800	FLT652SPC - Sports Chrome	£619.00
233-0100243801	FLT652SPW - Sports White	£589.00
7.7" 280W Coaxial Signature Speakers with CRBGW LEDs		
233-0100243900	FLT772SC - Sports Chrome	£699.00
233-0100243901	FLT772SPW - Sports White	£669.00
8.8" 330W Coaxial Signature Speakers with CRBGW LEDs		
233-0100243700	FLT882SPC - Sports Chrome	£839.00
233-0100243701	FLT882SPW - Sports White	£799.00

- Specifically optimized for wake boat applications
- Fixed, swivel and deck mounting brackets and inserts are available to install
- Large diameter voice coil
- Fully sealed crossover components
- Silk dome tweeter
- CURV Cone technology
- High-grade basket construction
- IP65 Ingress Protection rating
- 330-watt peak power output
- 4 ohm impedance
- Dual-colour diffused LED lighting

INNOVATIVE CRGBW ILLUMINATED CONE

COOL WHITE   WARM WHITE

By incorporating both Cool White and Warm White in addition to the standard RGB LEDs, an unprecedented spectrum of colours can now illuminate your vessel. From premium pastels, to vibrant hues to match your music for an unparalleled, more ambient on-water entertainment experience. Control of the colour, brightness, light mode and speed is made easy with the CRGBW wireless remote control.

RGB   RGB + CW   RGB + WW

Signature Series Component Tweeters

233-0100210300	SG-TW10 - Sports White	£109.12

- Signature compact performance
- 330 W peak power output
- Perfect system complement
- Flush mount
- 4 Ohm impedance
- IP65 Ingress Protection rating

FUSION ®
A Garmin Brand

MID-RANGE SPEAKERS

XS Series Speakers

233-0100219900	XS-F40CWB 4.0" Classic with Black & White grilles - No LED	£89.00
233-0100219600	XS-F65CWB 6.5" Classic with Black & White grilles - No LED	£129.00
233-0100219620	XS-FL65SPGW 6.5" Sports with Grey & White grilles - With LED	£179.00
233-0100219700	XS-F77CWB 7.7" Classic with Black & White grilles - No LED	£159.00
233-0100219720	XS-FL77SPGW 7.7" Sports with Grey & White grilles - With LED	£199.00
233-0101285000	Wireless Remote & Speaker Lighting Control Module - RGB	£39.00

- 3 sizes available - 4", 6.5" & 7.7"
- Max Power: 120W (4"), 200W (6.5") / 240W (7.7")
- Combines optimised speaker drivers with tweeters for quality audio at all volume levels
- IP65 Water-resistant Construction
- Two styles available - Classic (with white and black grilles) or Sports (with grey and white grilles) with RGB colour LED lighting option.
- Full multi-colour LED lighting control available with Wireless Remote & Speaker Lighting Control Module

RGB LED lighting is available with the Sports styled speakers. *LED colour is determined by wiring configuration at installation. An optional Wireless Remote & Speaker Lighting Control Module is also available for full multi-colour control of the illumination.

XS Series Subwoofers

233-0100219800	XS-S10CWB - Classic White & Black (No LED)	£159.00
233-0100219820	XS-SL10SPGW - Sports Grey & White (LED)	£199.00
233-0101285000	Wireless Remote & Speaker Lighting Control Module - RGB	£39.00

- 600 W peak power
- 10" diameter
- 4 Ohm impedance
- RGB-illuminated speaker cone with static and dynamic colour (Sports style only)
- IP65 Ingress Protection rating
- Alternative grilles supplied - Classic model includes White & Black, Sport model includes Grey and White

FUSION

75
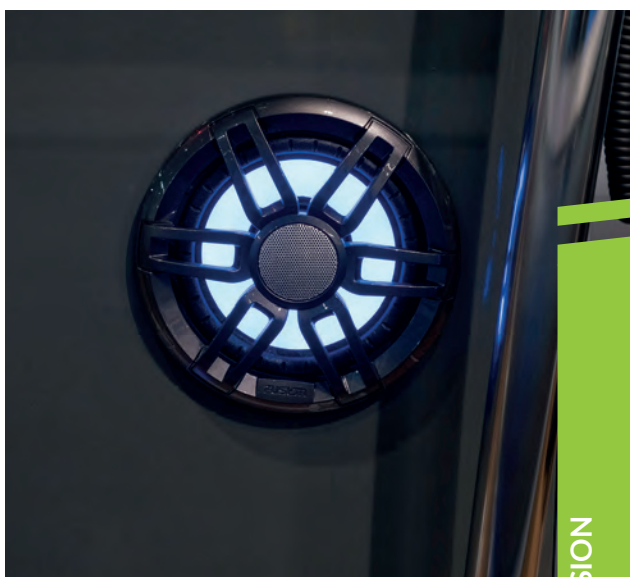
INDOOR/CEILING SPEAKERS

FM Series Flush Mount Speakers

233-0100230000	FM-F77RW 200W 7.7" Round, white	£199.00
233-0100230001	FM-F77RB 200W 7.7" Round, Black	£199.00
233-0100230010	FM-F77SW 200W 7.7" Square, White	£199.00
233-0100230011	FM-F77SB 200W 7.7" Square, Black	£199.00
233-0100229900	FM-F65RW 120W 6.5" Round, White	£169.00
233-0100229901	FM-F65RB 120W 6.5" Round, Black	£169.00
233-0100229910	FM-F65SW 120W 6.5" Square, White	£169.00
233-0100229911	FM-F65SB 120W 6.5" Square, Black	£169.00

- Available in a round or square form factor, and either black or white
- Designed to be flush mounted with a mounting profile no thicker than 2.5mm for a near flat finish.
- Flush mount finish
- Aluminium dome tweeter
- Low profile design
- Designed to comply with ISO12216
- IP65 Ingress Protection rating
- 120 W peak power output (6.5" speakers)
- 200 W peak power output (7.7" speakers)
- 4 Ohm impedance

SM Series Shallow Mount Speakers

233-0100226310	SM-F65CW 6.5" Cloth White	£89.00
233-0100226311	SM-F65CB 6.5" Cloth Black	£89.00
233-0101293600	SM-x65W Speaker Grille, White	£20.00
233-0101293601	SM-x65B Speaker Grille, Black	£20.00
233-0101293610	SM-x65CW Speaker Cloth Grill, White	£20.00
233-0101293611	SM-x65CB Speaker Cloth Grill, Black	£20.00

- Ideal for installation where mounting depth is limited, without compromising sound quality and performance
- Shallow mounting depth of 24mm
- Designed with a sealed, perfectly-tuned enclosure to deliver quality audio reproduction
- IP65 Ingress Protection rating
- Interior design aesthetic
- Shallow basket design
- 4 Ohm impedance
- 100 W peak power output

FM Series Subwoofer

233-0100230100	FM-S10RW 10", Round, White	£179.00
233-0100230101	FM-S10RB 10", Round, Black	£179.00
233-0100230110	FM-S10SW 10", Square, White	£179.00
233-0100230111	FM-S10SB 10", Square, Black	£179.00

- Low mounting profile of only 3mm
- 400 W peak power
- IP65 Ingress Protection rating 4 Ohm impedance
- Flush mount
- Designed to comply with ISO12216
- Low profile design

FUSION ®
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PANEL/CEILING SPEAKERS

Sound Panel Speaker System

233-0100179000	RV-FS402W - White	£129.00
233-0100179100	RV-FS402B - Black	£129.00
Sound Panel Spacers - 41, 22 or 16mm		£19.00

- Shallow mount 200W Max Speaker System with 4" speakers, tweeters and a passive bass radiator
- IP65 Water Resistant
- Quick and simple installation
- Can be surface-mounted
- Tuned, sealed enclosure with a passive bass radiator
- Professional sound quality

MS-CL602 6" Speakers

233-CL602	£159.00

- 6" 2-Way Full Range In-Ceiling Speakers
- Discrete flat mount profile
- 6 Ohm Impedance
- 120 Watts peak power

Panel Stereo System

233-0100200500	PS-A302B - Black	£349.00
233-0101275300	Surface Mount Spacer, 43mm, Black for PS-A302B	£29.00

- Built-in Class-D amplifier, Bluetooth, AM/FM radio, USB and AUX, two 3" speakers and a large bass radiator in a tuned enclosure
- Sources : AM/FM / Bluetooth / USB / AUX x 2
- Digital Signal Processing (DSP)
- Quick and simple installation
- 140 Watts peak power
- Multi-language audible feedback
- Fusion-Link™ Control
- Outdoor version also available

FUSION LINK

ENTRY LEVEL SPEAKERS

EL-F651 6.5" Speakers

233-0100208000	EL-F651W Classic White - No LED	£79.00
233-0100208010	EL-F651B Classic Black - No LED	£79.00
233-0100208020	EL-F651SPG Sports Grey with RGB LED	£99.00
233-0101278900	EL-X651SPW Sports White Grille Only (pair)	£10.00
233-0101285000	Wireless Remote & Speaker Lighting Control Module	£39.00

- 6.5" 2-Way Low-Profile Speakers
- 80 Watts Peak Power Output
- IP65 ingress protection rating
- Two styles available - Classic (with white and black grilles) or Sports (with grey grilles) with RGB colour LED lighting option.

- Full multi-colour LED lighting available with Wireless Remote & Speaker Lighting Control Module
- Shallow basket design ideal for limited mounting depth installs

Classic   **Sport**

A Garmin Brand

AMPLIFIERS

Class AB Amplifiers

233-0100149900	MS-AM402 - 2 Channel, 400W Max	£169.00
233-0100150000	MS-AM504 - 4 Channel, 500W Max	£249.00

- Class-AB Amplifier Technology
- Conformal Coated PCB
- Variable Bass Boost & Subsonic Filter
- 2 Ohm Stereo Stable
- Regulated Amplifier Technology
- Variable Low & High Pass Cross Over

Why add an Amplifier to a speaker system?

An amplifier is a device that takes a weak audio signal and amplifies it, the power of an amp dictates how loud and distortion-free that sound will be. Therefore with an amp a user can play louder sound without distortion, power subwoofers and add more speakers to a system (depending on number of channels)

Signature Series Class D Amplifiers

233-0100216200	SG-DA82000 - 8 Channel, 2000W Max	£698.88
233-0100216100	SG-DA61500 - 6 Channel, 1500W Max	£568.99
233-0100255600	SG-24DA61500 - 6 Channel, 1500W, 24V	£619.00
233-0100196800	SG-DA51600 - 5 Channel, 1600W Max	£399.00
233-0100196900	SG-DA41400 - 4 Channel, 1400W Max	£349.00
233-0100197000	SG-DA12250 - Mono, 2250W Max	£349.00

RCA cables additional extra

- Rigid aluminum heat sink
- Class-D amplification for higher efficiency and output
- Stainless steel front panel with a mirror finish
- Conformal coated PCBs for marine protection
- 2 Ohm stereo stable
- Variable bass boost
- Variable low & high pass crossover filters
- Subsonic filter
- **New 24V 6-Channel version**

ACCESSORIES

ANT Wireless Stereo Remote

233-0100216700	MS-ARX70B - Black	£79.00
233-0100216701	MS-ARX70W - White	£79.00

- Control your audio entertainment from wherever you are, whether you are on the boat or in the water
- IPX6 and IPX7 Water Resistant
- Zone Control Ready - interfaces with compatible Fusion stereos and act as a media controller for a single zone. Install one or more ARX70s in each zone
- Battery Powered - uses 1 CR2032 battery
- Compact, low profile design suitable for surface mounting
- Easy to use with rubberised tactile buttons and a light-bar
- Compatible with Fusion ANT-enabled products including 70 Series, 755 Series, StereoActive, Apollo RA770, Panel-Stereo (inc Outdoor) & BB100

NRX300 Wired Remote

233-0100162800		£169.00

- NMEA 2000 Certified
- IPX7 Water Resistant
- FUSION-Link NMEA 2000 Ready
- NMEA 2000 Data Repeater
- 2.6" Mono Daylight Viewable LCD screen
- Key and LCD adjustable backlighting
- Dash & Flush mounting options
- Mounting hardware included
- Compatible with 755, 750, 650 Series, Apollo RA770, RA70N, BB100 & BB300

DAB100A DAB+ Module

233-0100195310		£99.00

- Connect to a compatible FUSION stereo & enjoy the added functionality of Digital Radio
- On-Screen Station Information
- IPX7 Water Resistant Antenna
- Multiple mounting options for antenna
- DAB+ support for EU, Norway, Switzerland & Australia

Wireless Remote & Speaker Lighting Control Module

233-0101285000	MS-RGBLC Wireless Lighting Controller for RGB Speakers	£39.00
233-0101306000	MS-CRGBWRC Wireless Lighting Controller for CRGBW Speakers	£48.99

- Full control of the illumination option and functions of your Fusion RGB or CRGBW speakers
- **MS-RGBLC :** Compatible with EL and XS Series Speakers. Control up to 4 pairs of Fusion RGB speakers
- **MS-CRGBW :** Control up to 5 pairs of CRGBW speakers or 5 CRGBW subwoofers (Signature series only)
- Functions up to 10m from the speaker lighting control module

Panel Mount Aux 3.5mm & USB Connector

233-0101238100		£25.00

- Install on the dash or wherever most convenient for easy USB port access
- Compatible with BB100, RA70, RA70N

See website for RCA cables

DSX-M80

730-DSXM80		£268.99

Marine CD Receiver with Bluetooth Wireless Technology. Take all of your favourite music on the water with this CD receiver designed specifically for marine use. Enjoy high power and detail in everything you listen to thanks to DSEE upscaling and an incredible 100W x 4 output, while SongPal and Siri Eyes Free give you hands-free control for Android and iOS smartphones.

- Enjoy rich, powerful audio with a 100W x 4 power output
- Take control with your voice via SongPal and Siri Eyes Free
- Dual Bluetooth® connectivity with NFC One-touch
- DSEE upscaling restores quality to compressed files
- USB playback and smartphone charging

MEX-M72BT

730-MEXM72BT	MEX-72BT	£178.99
730-MEXM72/140	With MP1611 140W Speaker Bundle	£237.99
730-MEXM72/160	With MP1621 160W Speaker Bundle	£267.99

Marine CD receiver with Dual BLUETOOTH® connectivity and two-zone colour illuminator. The MEX-M72BT brings improved communication and illumination out at sea or on any off-road adventure. Dual Bluetooth® connectivity lets you connect a second smartphone wirelessly, so you can make and receive hands-free calls from either phone. The anti-corrosive coating and UV-resistant finish mean that sunshine and sea air are never a problem.

- Built in four-channel amplifier delivers 4x55W of power, for loud and natural sound
- Dual Bluetooth connection lets you connect two smartphones simultaneously
- Voice control with Siri Eyes Free (Apple iOS) and Android
- High-power amplifier delivers clear, natural-sounding audio
- UV resistant finish and anti-corrosive coating for durability
- AOA 2.0 compatible USB port lets you connect music players and smartphones
- Pair your Bluetooth® phone instantly with NFC technology, just by tapping it on the receiver's volume knob

DSX-M55BT

730-DSXM55BT	DSX-M55BT	£118.99
730-DSXM55/140	With MP1611 140W Speaker Bundle	£177.99
730-DSXM55/160	With MP1621 160W Speaker Bundle	£207.99

Marine Receiver with Bluetooth Wireless Technology. Take to the water with the ultra versatile DSX-M55BT media receiver. Enjoy rich, dynamic sound with Mega Bass, and listen from all of your favourite gadgets with USB, Bluetooth® and One-touch NFC connectivity. Siri® Eyes Free and a hands-free built-in mic make communication simple.

- 4x60W of power, for loud and natural sound
- Easy Bluetooth® connectivity with NFC One-touch / Bluetooth wireless audio streaming
- Mega Bass produces rich, punchy sound
- FM/AM radio tuner and USB MP3 playback
- Take calls hands free with a built-in mic
- 18x FM & 12x AM radio presets

flac free lossless audio codec

Play FLAC files

FLAC compatibility lets you play lossless audio files, so you can enjoy every detail of the music.

LCD High Contrast

Read easily with high-contrast LCD

With five times the contrast of conventional screens, plus an optimised viewing angle, the screen is always easy to read.

Plug in with AOA 2.0 compatible USB port

The AOA 2.0 compatible front USB port means you can connect music players via cable, along with Android and iOS phones.

XS-MP1611 6.5" Dual-Cone Marine Speaker

730-XSMP1611		£58.99

Enjoy powerful sound with 40W power handling from the 16.5cm (6.5") dual cone design. Hear rich bass and clear vocals with a rigid woofer cone structure and the wide 45–20000Hz frequency range allow for soaring highs and resounding lows. IPx5 certified for marine use.

- IPX5 salt-water and UV-resistant design
- Polypropylene driver
- 140W peak, 40W rated power handling

XS-MP1621 6.5" 2-Way Coaxial Marine Speaker

730-XSMP1621		£88.99

Enjoy powerful sound with 45W power handling from the 16.5cm (6.5") 2-way speaker design. The rigid woofer cone structure produces a rich bass and clear vocals. IPx5 certified for marine use. Hear soaring highs and resounding lows with a wide 45–20000Hz frequency range

- IPX5 salt-water and UV-resistant design
- Polypropylene driver
- 160W peak, 45W rated power handling

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

FURUNO

TZtouch3 NavNet system

260-IMD040010AA	TZT9F	£2,190.00
260-IMD0349900AA	TZT12F	£2,950.80
260-IMD035000AA	TZT16F	£4,429.20
260-IMD040020AA	TZT19F	£6,462.00

Introducing TZtouch3 the easiest MFD on the market to use... bar none. With edge-swipe features and single tap menu options, it's never more than a tap or swipe away from what the user wants to see or do. It's that simple.

- **TZT9F :** Hybrid 9" display with RotoKey™ and button for added accessibility
- **TZT12F :** Hybrid 12" display with RotoKey™ and buttons for added accessibility
- **TZT16F / TZT19F :** Large 19" and 16" multi-touch IPS display for maximum brightness
- More powerful quad-core processor for lightning-fast response
- Built-in Dual Channel 1kW TruEcho CHIRP™ & CW Fish Finder

- High-power 2/3/5kW* TruEcho CHIRP™ Fish Finder network amp
- Power-packed 100W & 200W NXT Solid-State Doppler Radars
- Deep water Multi-Beam Sonar for up to 300m depth & 200m side scan
- Pin Code Lock - require a password to access your TZtouch3 upon start-up

Never lose waypoints, routes or settings again with TZ Cloud

Create your routes at home using TZ Navigator, a web browser*, or TZ iBoat iOS App. Then you can retrieve them from the cloud & download to your TZtouch3. Also, create events on your MFD and retrieve them at home because the data is synchronized automatically & securely to My TimeZero. TZ Cloud also stores marks, routes, boundaries, photos, and catch data! (*Cloud.MyTimezero.com raster planning charts for US only).

GP1871 / 1971 Plotters

260-IMD03488000	GP-1871F 7" Display	£919.20
260-IMD03489000	GP-1971F 9" Display	£1,406.40

The Furuno GP-1871F/GP-1971F features a bright colourful multi-touch display with NMEA2000, NMEA0183 and WLAN interfaces and the built in Chirp Fish Finder. The built-in sounder chip with Unmatched detail with TruEcho CHIRP™.

The display can even show high-resolution radar images by connecting a DRS4W WLAN radar via WiFi.

Navigation is easy with the integrated GPS antenna and C-MAP 4D chart compatibility, using the two micro-SD card slots. Using the internal memory, you can set and store up to 30,000 waypoints and track points, 1000 routes and 50 points per route.

Dimensions:
- GP1871F (WxHxD): 191 x 125 (149 incl. base) x 71 mm.
- GP1971F (WxHxD): 241 x 155 (179 incl. base) x 71 mm.

SC-33 Satellite Compass

260-IMD03668000	£2,236.80

- Heading Accuracy of 0.4°
- 3-AXIS speed monitoring
- Strong against multipath, High reliability
- Multi-GNSS with GPS, Galileo, GLONASS, QZSS satellite networks
- NMEA2000 certified
- IP56 Waterproof
- NavNet TZtouch, NavNet TZtouch2 series compatible
- Works perfectly with TIMEZERO software
- Free from regular maintenance

SCX-20/21 Satellite Compass

260-IMD031520AA	SCX20 (NMEA2000) - roof mount	£901.20
260-IMD036670AA	SCX21 (NMEA0183) - pole mount	£901.20

- Perfect for NavNet TZtouch MFD, NAVpilot-300, and WASSP installations
- Outputs accurate Time, Position, Heading, COG/SOG, ROT,
- Roll/Pitch/Heave 3-Axis Speed, Air Temperature and Air Pressure data
- Unprecedented heading accuracy for Radars, Sonars, and Navigation
- Utilizes four Multi GNSS (GPS, QZSS, GLONASS, Galileo) antennas
- 1.0 degree heading accuracy, 0.02 knot speed accuracy
- Lightweight antenna - only 1.0kg!

NEW 2021

M1815 Colour Radar

260-IMD03492001	£2,421.60

- An 8.4" colour LCD radar display designed for pleasure craft and small fishing boats.
- Powerful compact Radome with 4kW transmitter output power and low power consumption of 38 W
- Advanced auto-adjust settings for Gain/Sea clutter/Rain clutter
- Fast Target Tracking™ (TT) function
- Display and track up to 100 AIS targets - requires optional FA-30/50 AIS unit
- True Trail mode - shows moving objects with a trail*
- True view mode*
- User-programmable function key

* Heading data and positional data are required.

DRS4DL+ Radome

260-IMD03660000	£1,674.00

- Compact and powerful 4kW 19" radome Radar Antenna with a range of 36nm for use with NavNet TZtouch/TZtouch2 series
- No external power supply needed, just connect your DRS4DL to the main battery on your vessel
- Ultra High Definition (UHD™) Digital Radar offers crystal clear, noise-free target presentation with automatic real-time digital signal processing
- Real-time digital auto Gain/Sea/Rain controls to deliver noise-free radar presentation
- Excludes scanner cable - 10, 15, 20 & 30m options available

DRS4W Wireless Radome

260-IMD03439003	£1,358.40

- Powerful yet compact 19" 4kW radar antenna
- Wirelessly access radar images on your iOS devices anywhere on board
- Image quality matches that of a conventional 10" wired Radar
- Free Marine Radar app available to download from Apple App Store.
- Marine Radar App ver.2.0.0 now features Guard zone alarm
- Easy installation

FURUNO

Fishfinders

260-IMD03448000	FCV-628 - 5.7" Display	**£907.20**
260-IMD03449000	FCV-588 - 8.4" Display	**£1,414.80**

- Dual-frequency fish finder equipped with revolutionary new RezBoost™ signal processing technology
- ACCU-FISH™ - A unique fish size analyser based on the latest digital technology
- Bottom Discrimination - Analyse bottom structure
- White Line feature - Discriminate fish lying near the bottom
- Configurable Alarm function (depth, fish echoes, etc.)
- Share and display information on a chart plotter
- Fast transmission rate of 3,000 PRR (Pulse Repetition Rate) per minute (at 5 m depth range)
- Waterproof rating: IP56

- **FCV-628**
  - 5.7" TFT colour LCD Display
  - Transducer - 600 W
  - Size - 207 (H) x 170 (W) x 132 (D)
  - Weight - Bracket Mount: 1.3 kg / Flush Mount: 0.9 kg
- **FCV-588**
  - 8.4" TFT colour LCD Display
  - Transducer - 600 W/1 kW (1 kW req. Matching Box MB-1100)
  - Size - 270 (H) x 233 (W) x 158 (D)
  - Weight - Bracket Mount: 2.3 kg / Flush Mount: 1.6 kg
  - Resolution : VGA 480 x 640

NavPilot 300

260-IMD03230003	**£1,428.00**

- SABIKI™ mode - autopilot takes control while you are drifting astern, uniquely tailored for sabiki fishing, jigging and bottom fishing (for vessels with outboard engines)
- Self learning and adaptive software
- FANTUM Feedback™ achieves precise course control, from slow trolling speeds to high-speed cruising, utilising a newly developed gain process, rather than traditional rudder angle based control
- NMEA2000 certified
- Processing Unit (IP55 Waterproof) and Control Unit (IP56 Waterproof)

- SAFE HELM temporarily switches the NAVpilot to manual steering for a specified time interval.
- POWER ASSIST reduces steering system complexity and costs while increasing fuel economy
- Navigation modes includes AUTO mode, Sabiki mode, Advanced AUTO mode, Nav Mode/Route Tracking, FishHunter
- Various display modes, in either digital or analogue format. Also features day/night graphic display
- NavNet TZtouch2 (v6.1 or later software) allows full control of the NAVpilot-300.

FI-70 Colour Instrument

260-IMD03413001	FI-70 Colour Instrument	**£410.40**
260-FL70WINDPK	WIND Pack (FI-70, TDCR, FI-5002, Cable)	**£1,196.40**
260-FL70DSTPK	DST Pack (FI-70, DST800, FI-5002)	**£908.40**

- Clear sunlight viewable 4.1" QVGA screen
- Simple, intuitive and fully customizable graphical user interface
- Designed to match the NavNet TZtouch/TZtouch2 displays
- Display AIS data on connected CAN bus devices
- Analogue IF-NMEAFI converter allows you to use your existing wind sensors (FI-5001/FI-5001L)
- Share language & brilliance settings between FI-70s when grouping them together.
- Low power consumption (0.25 A max)

GP-39 GPS Receiver

260-IMD03473000	**£348.00**

- Newly designed GPS core delivers enhanced position fixing accuracy
- 4.2" high-resolution colour LCD
- Storage for 3,000 track points, 10,000 waypoints & 100 routes
- SBAS capable for better positioning calculations
- Share and display position information on networked equipment such as a fishfinder, sonar, radar, etc.
- 7 display modes available, including 2 customised
- Waypoint and route data can be exported/imported via a USB flash drive or signal converter
- Fits in same cut out as GP-30/31/32

FM4800 Class D VHF

260-IMD03496001	FM4800 Marine VHF	**£570.00**
260-FM-4850	FM4850 Black Box VHF	**£799.20**

- Built-in High-sensitivity 72 channels GPS antenna
- Built-in AIS receiver displays data on a compatible MFD or Chart Plotter
- 15 W PA/Loud Hailer with 8 automatic fog/warning signals and listen-back capability
- Class D DSC allows you to transmit both routine calls and distress calls in case of an emergency

- Plug and play NMEA2000 interface to connect to navigation devices
- Dual Station with optional HS-4800 handset
- Intercom function is also supported
- 25 W/1 W output power
- ATIS mode for inland waterways
- 10 weather channels
- Fully waterproof (IP67)

LH-5000 Loud Hailer

260-IMD03657000	**£752.40**

- 8 Channel PA system
- Siren Mode
- Automatic fog horn/warning signal
- Listen Back feature - horn speaker can be used for two-way communication

- Customisable Intercom channel names
- Alarm Function - can be used as a general alarm system
- Connect external devices such as a radio or a smartphone to play music through intercoms and horn speakers!

C·MAP® Cartography

DISCOVER™ [D]

C-MAP Discover includes all essential Vector data needed for any kind of boating activity

REVEAL™ [R]

C-MAP Reveal includes all the features from the Discover range, plus Shaded Relief, Satellite Imagery, Raster Charts and Aerial Photos

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FEATURES AVAILABLE EXCLUSIVELY IN REVEAL

Raster Charts
Raster charts bring a traditional paper chart look and feel
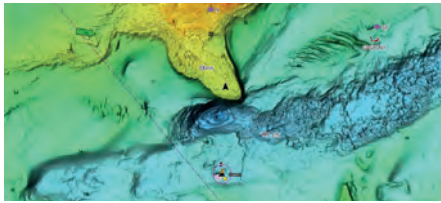
Shaded Relief
Shaded Relief will present data with a 3D appearance, which is easier to interpret versus tranditional contour lines

Raster Charts
Raster charts bring a traditional paper chart look and feel

FEATURES INCLUDED IN ALL PRODUCTS

Full-Featured Vector Charts
Provide boaters with the accurate vector chart detail including Depth Areas & Contours, Spot Soundings, NavAids, Light Sectors, wrecks and more
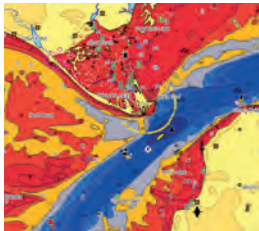
Custom Depth Shading
Shade contours to display the highest level of information about underwater pinnacles, ledges and canyons - takes fishing to the next level
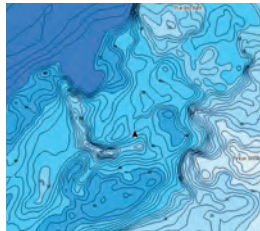
High-Res Bathymetry
High resolution detail of lake, nearshore & offshore features such as pinnacles, canyons and ledges helping anglers find and target fish-rich waters
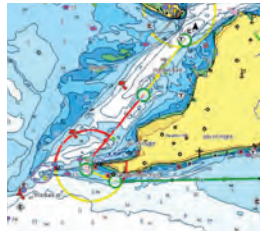
Easy Routing
Automatically plots the shortest, safest route based on detailed chart data and vessel information. Takes two points and generates a suggested route. No subscription required
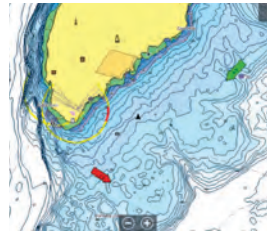
Tides & Currents
Presents the time, water level and direction of tides with Tide Level graphs and indicates predicted current time, direction and strength. Flow graphs and coloured arrows

Chart feature comparison	C-MAP Discover	C-MAP Reveal
Aerial Photos	✓	✓
Tides and Currents	✓	✓
Easy Routing	✓	✓
High-Res Bathymetry (including Genesis & PCHD)	✓	✓
Custom Depth Shading	✓	✓
Online Updating	✓	✓
Dynamic Raster Charts		✓
Satellite Overlay		✓
Shaded Relief NEW - Included Seafloor		✓

Compatible with selected chartplotters/fishfinders

LOWRANCE®

SIMRAD®

B&G®

UNITED KINGDOM & IRELAND

106-M-EW-Y200-MS	C-MAP Discover Medium	£149.99
106-M-EW-Y226-MS	C-MAP Reveal Large	£219.99

NORTHERN & CENTRAL EUROPE

106-M-EN-Y050-MS	C-MAP Discover XL	£199.99

SOUTHERN EUROPE

106-M-EM-Y045-MS	C-MAP Discover XL	£199.99

WESTERN & CENTRAL EUROPE

106-M-EW-Y060-MS	C-MAP Discover XL	£199.99

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

NAVIONICS®

NAVIONICS+

An essential tool appreciated by anglers, cruisers and sailors alike, Navionics+ provides Nautical Chart, SonarChart™, and Community Edits, with **advanced features and daily updates** for one year.
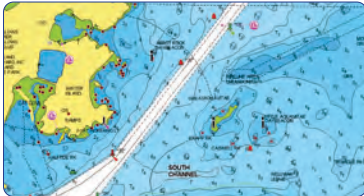
NAUTICAL CHART

Go boating with comprehensive charts derived from multiple official, government and private sources, displayed in a familiar look and feel.
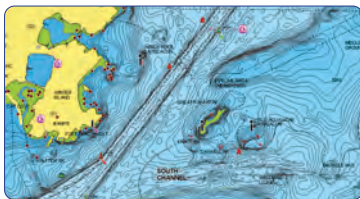
SONARCHART

Understand depths and bottom detail with innovative 1 ft/0.5 m bathymetry charts created using Navionics proprietary systems that process sonar data contributed by boaters with existing content.
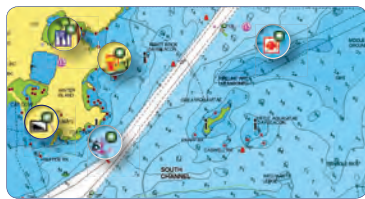
COMMUNITY EDITS

Get useful local knowledge from fellow boaters in this crowdsourced content layer packed with points of interest, navigation aids and variety of edits made by users of our Boating app.

NAVIONICS+ UPDATES

Created for owners of old or expired cards, a new Navionics Updates card allows boaters to get the most up-to-date Navionics+ content and features at a great price. Activate it using an old Silver, Gold, Navionics+ or a card that is compatible from another brand.

240-NAV-UD-SD	Updates Micro/SD	£114.50

NAVIONICS+ SMALL

240-NAV+DL-SMSD	£149.00
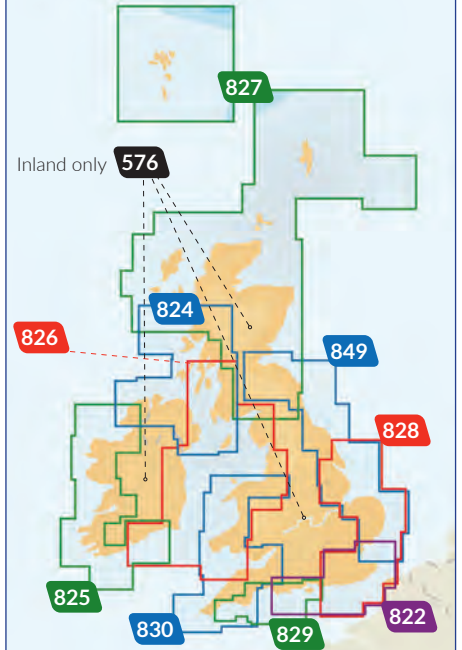
576	UK and Ireland Inland
822	Portland to Walton-on-the-Naze
824	Ireland North, Scotland West
825	Waterford to Aran Island
826	Irish Sea and Scotland South West
827	Scotland North and East, Faroe Islands
828	Littlehampton to Scarborough
829	Falmouth to Chichester
830	Liverpool to Exmouth
849	Southend to Anstruther
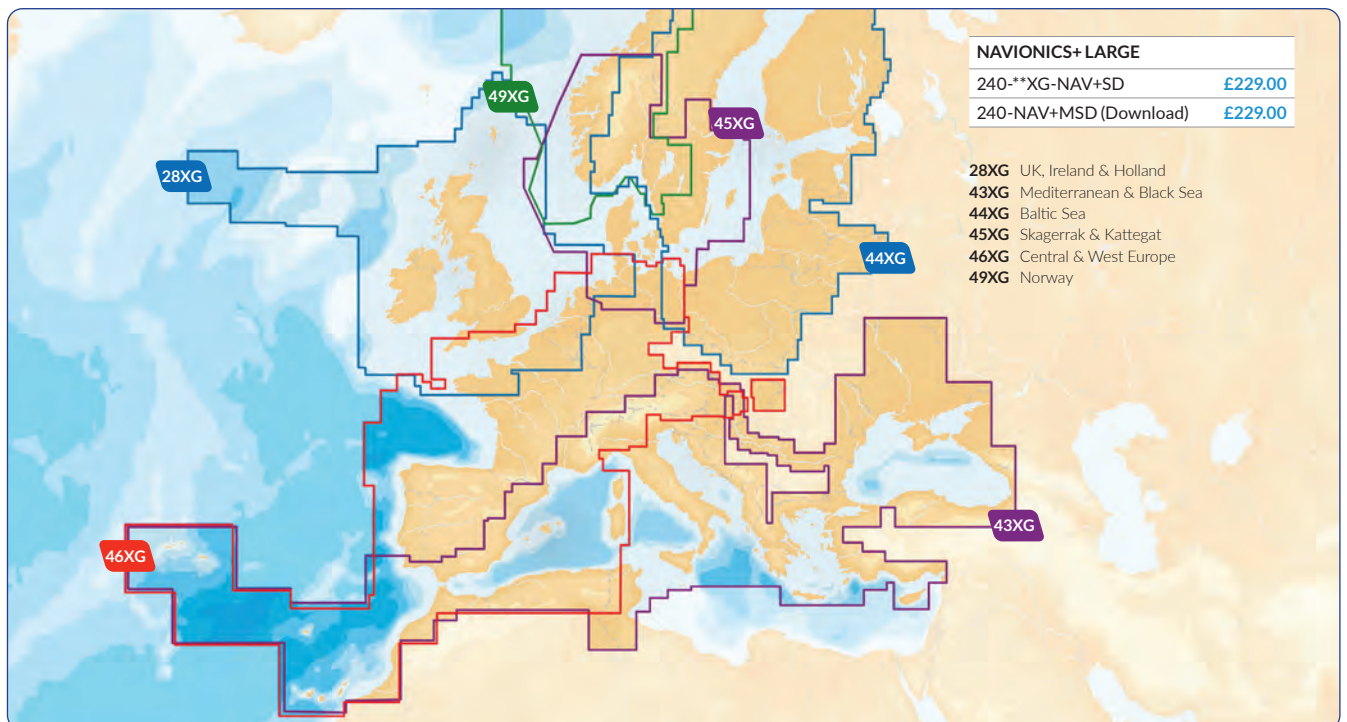
NAVIONICS+ LARGE

240-**XG-NAV+SD	£229.00
240-NAV+MSD (Download)	£229.00

28XG	UK, Ireland & Holland
43XG	Mediterranean & Black Sea
44XG	Baltic Sea
45XG	Skagerrak & Kattegat
46XG	Central & West Europe
49XG	Norway

PLATINUM+

For those who want to know more, Platinum+ offers the same content and features of Navionics+, while adding the new Relief Shading, 3D View, panoramic photos, and the satellite overlay with SonarChart Shading layer.

RELIEF SHADING

Relief shading delivers highly detailed shading that combines color and shadow to provide an easy-to-interpret, clearer view of bottom structure than contour lines alone.

SATELLITE OVERLAY WITH SONARCHART SHADING
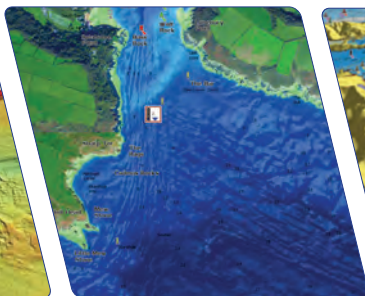
Display imagery over land, shallow water or the entire area. Change transparency to reveal the details of marshes, shoals and sandbars.

3D VIEW
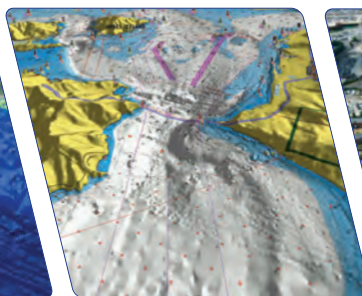
Pan and zoom to check out surrounding areas. Exaggerate bottom changes. Adjust pitch and rotate the map for a better viewing angle.

PANORAMIC PHOTOS

Gain a better understanding of your surroundings, so you can navigate even the busiest marinas. See dock layouts and boat ramps clearly from above.
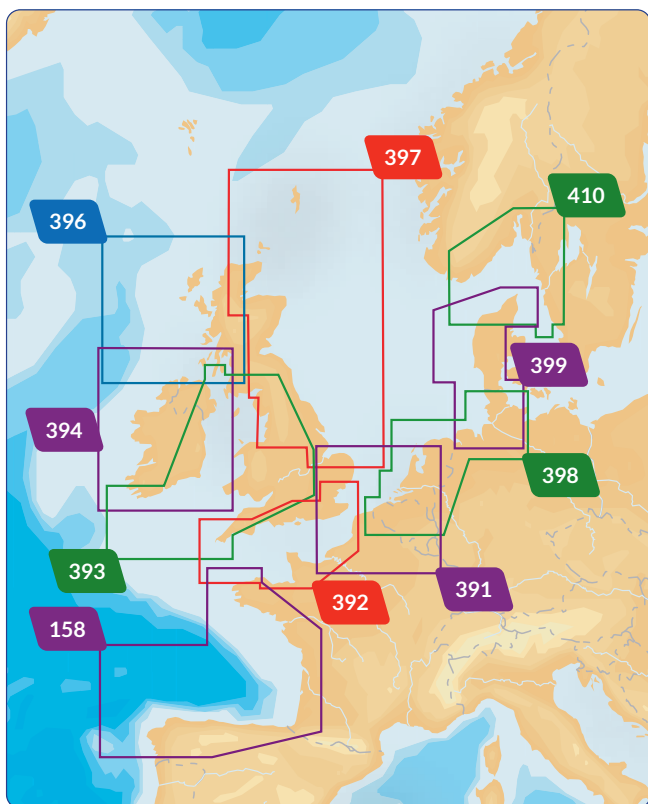
PLATINUM+ SMALL

240-PLT+XL***-S	£229.00

5P158XL Bay of Biscay/Spain	**5P397XL** Eastern UK
5P391XL Strait of Dover	**5P398XL** Hamburg/Dunkerque
5P392XL English Channel	**5P399XL** Germany West/
5P393XL Irish Sea	Denmark West
5P394XL Ireland	**5P410XL** Skagerrak
5P396XL Scotland West	

* Limited Platinum+ features
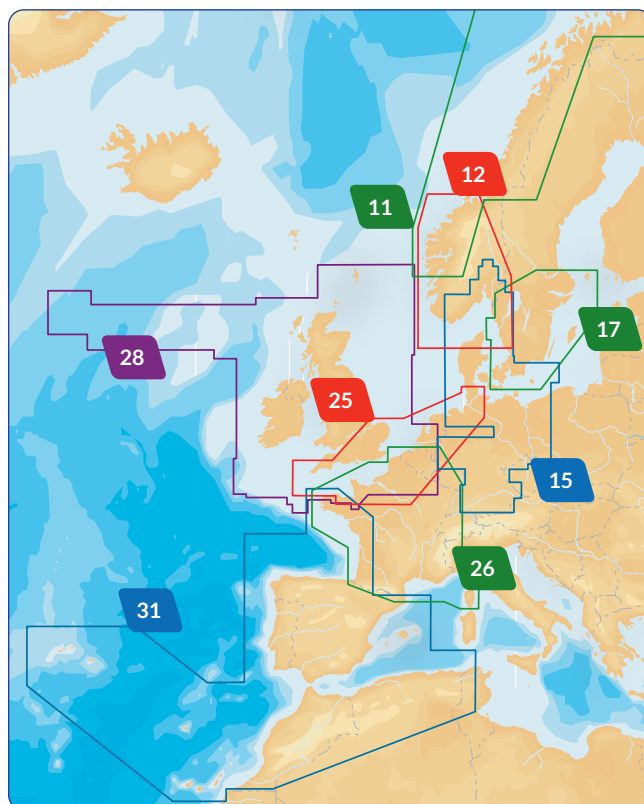
PLATINUM+ LARGE

240-PLT+**-SD	£339.00

11P+ Norway N. W.	**25P+** Uk South-Hamburg
12P+ Norway S. W.	**26P+** France
15P+ Oslo to Germany	**28P+** UK & Ireland
17P+ Sweden South	**31P+** Iberia

* Limited Platinum+ features

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

NAVIONICS®

NAVIONICS IS ALWAYS UPDATING ITS CHARTS

Daily Updates:

We constantly enhance our charts with new and amended content from official hydrographic sources, public and private surveys, and millions of contributions from boaters. We make up to 5,000 updates every day affecting all our chart layers

When you purchase any new product, a one-year subscription to daily updates and many advanced features is included.

What you get:

- Download of chart layers
- Dock-to-dock Autoroutiing
- Plotter Sync
- Daily updates
- Advanced Map Options
- Relief Shading

Check if your GPS plotter model is compatible with advanced features and make sure it is running the latest software.
Activate your subscription online within 2 months of purchase.

ROCKS AND REEFS
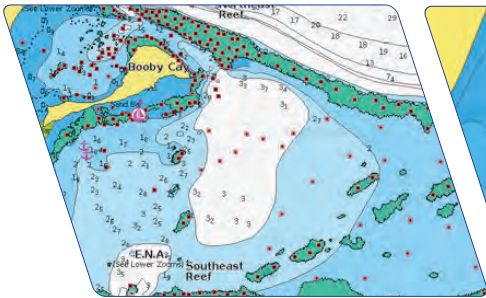
In addition to Navionics' research, the company encourages boaters to share the locations of underwater and exposed rocks. Once verified and integrated, these potential hazards are displayed clearly within their products.

AESTHETIC IMPROVEMENTS

As an example, reefs are now more clearly visible because of a new presentation designed specifically for this type of chart feature.

NEW AND UPDATED LAKES

Navionics charts include more than 38,000 lakes worldwide, and the list continues to grow. Besides adding lakes, Navionics constantly review shorelines and update details with new sources, such as multi-beam survey data.

SHORELINE UPDATES

The forces of nature, as well as construction projects such as dam dredging and marina development, affect the shape of coastal, lake and river shorelines. Navionics' experienced cartography teams meticulously review and redraw these features as they change over time.
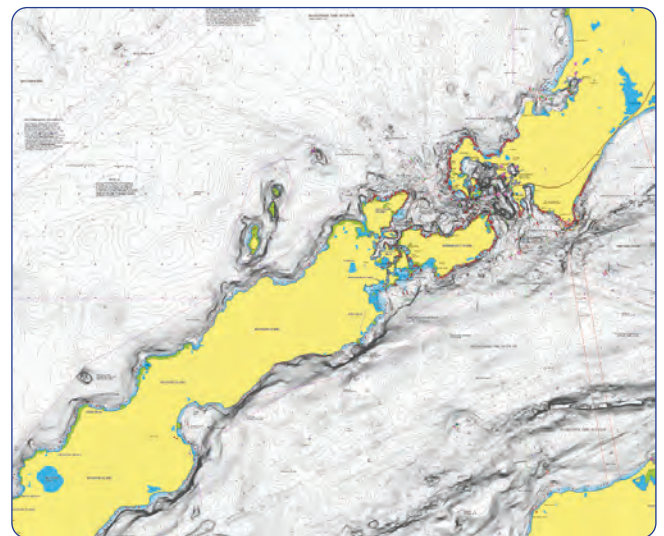
CONTOUR DETAIL

SonarChart™ is constantly enhanced by millions of sonar logs from boaters all over the world. These contributions are integrated with existing data to reflect the ever-changing conditions of sea, lake and river bottoms at a very local level.

DO MORE WITH NAVIONICS ADVANCED FEATURES

Access advanced features that give you the power to do more with your compatible chartplotter and mobile device. Navionics' advanced features are available on a growing number of devices from Raymarine®, Lowrance®, Simrad and B&G. An active subscription is required.
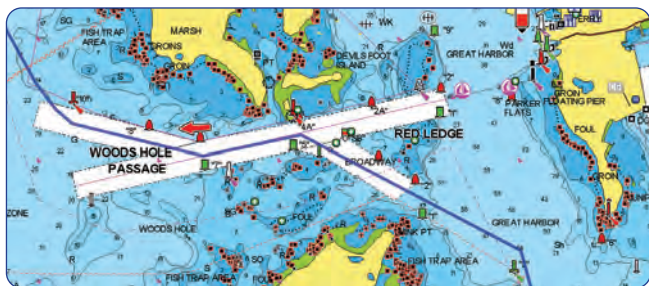
DOCK-TO-DOCK AUTOROUTING

Head to the next destination with Dock-to-dock Autorouting*, which quickly calculates a personalized detailed route, even through narrow passages and channels, based on chart data and vessel settings.
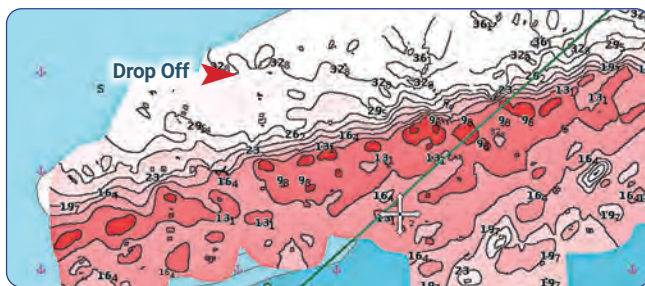
SONARCHART™ LIVE

Users can create their own maps on the fly. Watch new 1 ft/0.5 m HD bathymetry maps develop in real time as their boat moves along the water.

ADVANCED MAP OPTIONS

Users can focus on the details that matter most to them by configuring Navionics charts to highlight shallow areas, adjust contour density or select a fishing range.

PLOTTER SYNC

Transfer routes and markers, update charts and more between plotter card and mobile app — wirelessly. Users can even activate or renew their card's subscription and upload sonar logs.

NavigationPLANNER

240-NAVPLANNER	£49.00

- Designed specifically for Navionics Charts
- Save charts to the hard drive on your PC
- Create a route with a few mouse clicks
- Uses chart tidal data to steer and optimize departure time
- Save routes/waypoints in libraries and transfer them to and from your plotter
- Download weather and view forecast conditions
- View SonarChart™ – mark and save your favourite fishing and diving spots
- Access tide and current, sun and moonrise data – show tidal flow direction and velocity on chart

Chart comparison table	Navionics+ Navionics+ Updates	Platinum+
Coverage	Small / Large	Small / Large
Relief Shading	-	✓
Satellite overlay+SonartChart Shading	-	✓
3D view	-	✓
Panoramic photos	-	✓
Geo-referenced coastal pilot books	-	✓
Daily Updates for one year	✓	✓
SonarChart™	✓	✓
Community Edits	✓	✓
Selectable safety depth contours	✓	✓
Wrecks and obstructions	✓	✓
Maximum zoom level up to 1/32 nm	✓	✓
Navaids with description feature	✓	✓
Tide and current database	✓	✓
Coastal POIs with tel. no.	✓	✓
Detailed port services info	✓	✓
Dock-to-dock Autorouting, SonarChart Live, Advanced Map Options and Plotter Sync (on compatible Raymarine, Lowrance, Simrad and B&G models)	✓	✓

*Autorouting is for planning purposes only and does not replace safe navigation operations.

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

![Actisense logo - Award Winning NMEA Specialists]

PRO-MUX-1 Professional NMEA 0183 Multiplexer

005-PROMUX1BASR	Pluggable screw terminals	£633.84
005-PROMUX1BASS	Pluggable screwless terminals	£633.84

The PRO-MUX-1 is reliable, robust and provides industry leading isolation on all inputs and outputs as standard, so that connected devices safely avoid hazardous ground loops, the number 1 cause of product failure in NMEA 0183 networks.

The eight NMEA 0183 inputs can be routed to any of the six NMEA 0183 outputs, providing a highly customisable network. A bi-directional serial port and an Ethernet port allow for simple configuration and diagnostics using Actisense software. The configuration tool is accessible via any popular web browser (using the Ethernet port) so there are no PC operating system compatibility issues to contend with. Using the web based configuration tool will allow the user to finely tune the exact data available on each output. The default setup is for all data to go to all outputs.

- 8 OPTO-isolated NMEA 0183 inputs
- 6 ISO-Drive NMEA 0183 outputs
- Bi-directional isolated serial port (can be used for additional NMEA 0183 input/output)
- Ethernet port
- Alarm output (N/O and N/C contacts)
- Designed for 12 and 24 Volt supply
- Isolation to battery supply
- Configurable input and output baud rates for rate conversion

- Data combining from any input to any output
- 2 independent Autoswitch virtual inputs with priority
- Advanced sentence based filtering / routing
- Diagnostic LEDs on all inputs and outputs
- Alarm, mode and Bi-colour Status LED's
- 2 part pluggable connector system supports both screw and screwless terminals
- DIN rail or Panel mountable
- Advanced statistics are available via a Web Browser
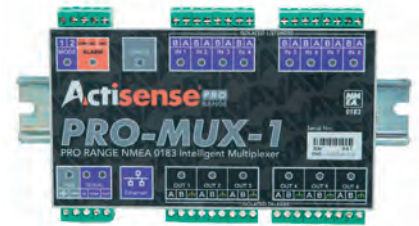
USB connectivity

PRO-BUF-1 Professional NMEA 0183 Intelligent Buffer

005-PROBUF1BASR	Pluggable screw terminals	£610.58
005-PROBUF1BASS	Pluggable screwless terminals	£610.58

Adaptable NMEA 0183 Buffer with a variety of operating modes. Provides two OPTO-isolated inputs and twelve ISO-Drive™ outputs, keeping devices safe from hazardous ground loops.

PRO-BUF-1 enables safe connection of all devices with industry leading isolation preventing hazardous ground loops. Two NMEA 0183 inputs, twelve NMEA 0183 outputs, a bi-directional serial port and an Ethernet port, the PRO-BUF-1 is a perfect solution for large networks on commercial shipping and leisure vessels. Designed to suit the majority of NMEA 0183 systems and ready to go 'out of the box' by simply hard-wiring the two mode inputs as required which can drastically reduce installation time with no complicated setup required. Configurable via the web browser based configuration tool, allowing customisation of the PRO-BUF-1.

- 2 OPTO-isolated NMEA 0183 inputs
- 12 ISO-Drive™ NMEA 0183 outputs
- Bi-directional isolated serial port (can be used for additional NMEA 0183 input/output)
- Ethernet port
- Alarm output (N/O and N/C contacts)
- Designed for 12 and 24 Volt supply
- Isolation to battery supply

- Browser based configuration tool
- Automatic baud rate matching on inputs
- Independently configurable outputs provides data combining and autoswitching of inputs
- Alarm and Mode LED's
- 2 part pluggable connector system supports both screw and screwless terminals
- DIN rail or Panel mountable
- Advanced statistics are available via a Web Browser
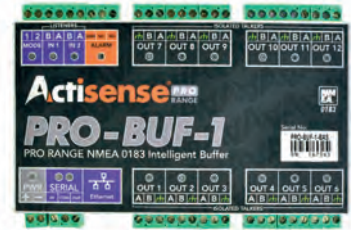
NDC NMEA DATA Multiplexer

005-NDC-4 *		£260.92
005-NDC-4-A-AIS *	AIS Configured	£260.92
005-NDC-5		£369.40

* Limited supply - NDC-5 Upgrade option

The reliable multiplexing that you would expect, with the addition of an Ethernet port for configuration and diagnostics. Advanced filtering gives exacting control of the data available on each output.

- Ethernet port for configuration, diagnostics & sharing NMEA 0183 data (future update)
- 5 OPTO-Isolated NMEA 0183 inputs
- 2 ISO-Drive NMEA 0183 outputs
- Advanced Data Filtering/Routing
- Configure input & output baud rates
- Autoswitch mode available to offer system redundancy

- Serial port for configuration, diagnostics or as an additional NMEA 0183 input/output
- Free firmware updates
- Diagnostic LEDs on all inputs and outputs plus LEDs to indicate Alarm status, Mode, Bi-colour status
- DIN rail or Panel mountable
- Pluggable screw terminal connectors for quick and easy installation

Talkers

IN / OUT / Listeners / 12v / IN/OUT
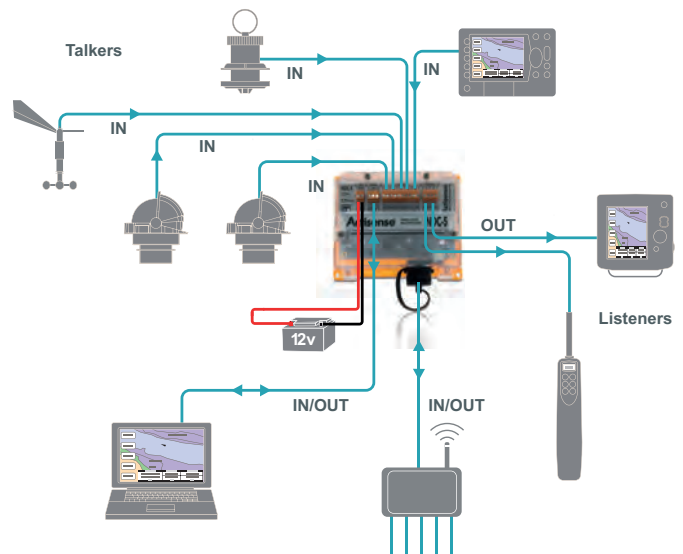
NBF-3 NMEA Buffer

005-NBF3BAS	£261.36

Isolates and buffers NMEA 0183 data, with the power to drive multiple devices. The addition of power distribution for the NMEA talker, means power and data are from the same source, reducing cabling requirements. Isolation on the input and each of the outputs ensures protection of the source talker device and all the listening devices.

- Pluggable screw terminals
- Power and input indicator LEDs
- Galvanic opto-isolated input

- 6 ISO-Drive outputs
- Din Rail mountable

ACTISENSE

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A.ctisense®

W2K-1 NMEA 2000 to WiFi Gateway

005-W2K-1	£185.44

A compact and low-power NMEA 2000 to Wi-Fi Gateway with voyage data recording. It transfers data from an NMEA 2000 backbone to any device (e.g. laptop, tablet or smartphone) connected to it via Wi-Fi.

- NMEA 2000 to Wi-Fi Gateway and Voyage Data recorder in one device
- Converts NMEA 2000 to / from NMEA 0183 (streamed over Wi-Fi)
- Data protocols are selectable to be compatible with a huge range of navigation software and Apps
- Up to 16 days of Voyage data recording on included 8GB micro SD card - larger micro SD cards supported.
- Remote Firmware upgradability
- Diagnostic LEDs for NMEA 2000 bus activity and Wi-Fi Status
- IP67 rated ruggedized case
- Automatically measures and reports the NMEA 2000 Bus Voltage
- Each device has unique default SSID and Password for enhanced security
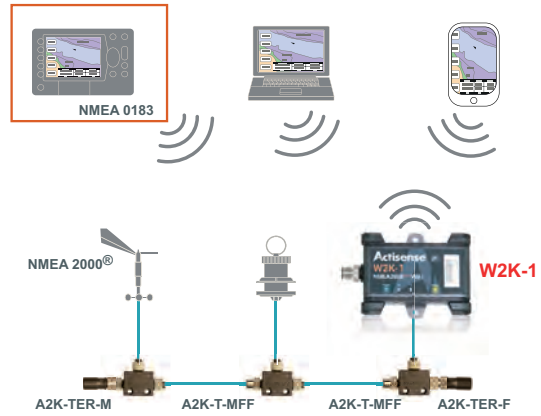
NGW-1 NMEA 0183 to NMEA 2000 Gateway

005-NGW-1	ISO Version	£153.46
005-NGW-1-AIS	AIS preconfigured	£157.10
005-NGW-1-USB	USB Version	£177.70
005-NGW-1-STNG	Raymarine STNG Version	£175.34

Enables the conversion of NMEA 0183 data into NMEA 2000 data and vice-versa. The NMEA Reader software utility available from **www.actisense.com** allows configuration options. An AIS preconfigured version is also available.

- 1 HS+ Opto Input & 1 HS+ ISO-Drive Output
- Full galvanic 1500V isolation
- NMEA 2000 bidirectional connection
- USB PC interfacing option available
- Please check Actisense website for list of conversions
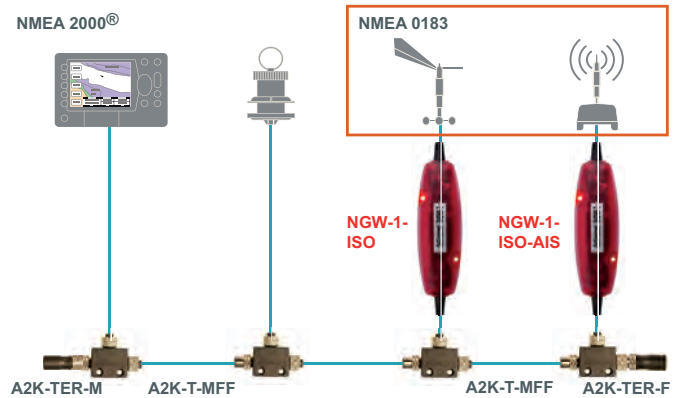
NGT-1 NMEA 2000 to PC Gateway

005-NGT-1	ISO Version	£154.02
005-NGT-1-USB	USB Version	£177.68

An intelligent NMEA 2000® gateway able to precisely transfer messages to and from the NMEA 2000® bus.

The firewall feature enforces the NMEA 2000® bus rules, so software manufacturers can create compliant software at a fraction of the direct certification costs. The supporting Actisense Software Development Kit (SDK) helps to reduce the required development time. The diagnostic NMEA Reader software allows viewing of NMEA 2000® messages with configuration options, enabling the set-up of all Actisense products on the NMEA 2000® bus.

- USB version – isolated USB input/output
- ISO version – OPTO-isolated input and ISO-Drive™ output
- Up to 115,200 baud data transfer rate
- 1500V isolation on both input & output
- Provides a rule-enforcing firewall between the PC & NMEA 2000® bus
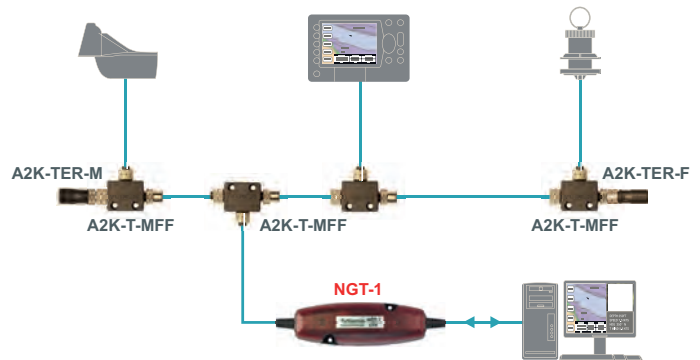
EMU-1 Engine Monitoring Unit

005-EMU-1-BAS	£407.23

Enables the sharing of engine data throughout the NMEA bus. It digitises analogue engine sensors, enabling all NMEA 2000 display devices to monitor the engine(s) on a vessel.

- No need to change an existing engine
- Convert signals from 2 engines (that share a common ground) with a single EMU-1
- Monitor fluid levels in up to 6 tanks
- Easy to configure to suit the connected engine
- 6 dedicated gauge inputs capable of measuring engine senders with or without gauges in circuit
- 4 alarm inputs and 2 tacho inputs

Please note, a 005-NGT-1-USB will be required for configuration
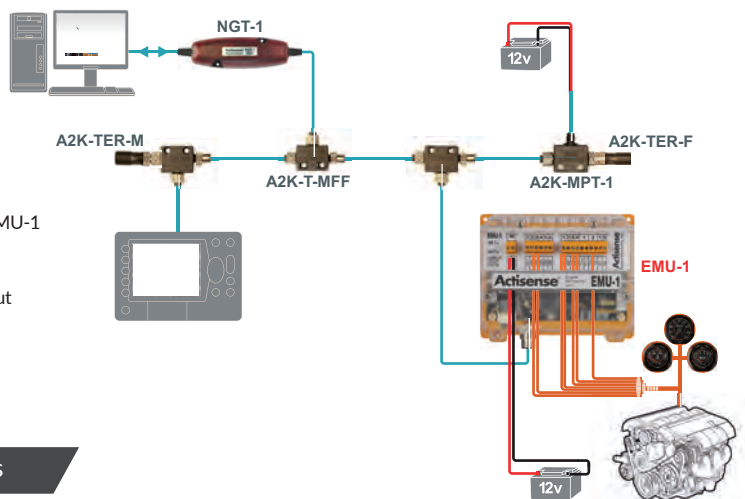
See Page 91 for NMEA 2000 Networking Components

All prices SRP inc VAT. For trade prices and stock availability visit www.smgeurope.com

QNB-1 Quick Network Block

005-QNB-1	6 screw terminal drops	£131.02
005-QNB-1-PMW	6 screw micro Female drops	£217.08

Provides a flexible alternative to multiple connectors, reducing the cost of an NMEA 2000 cable installation. A double fused connection limits the current to the safe level for the network power hook-up. Power and data LEDs provide connection information.

- Up to six NMEA 2000 network drops
- Compatible with 4800 to 250k baud
- QNB-1-PMW version has 6 micro connectors for 'plug and play' installation
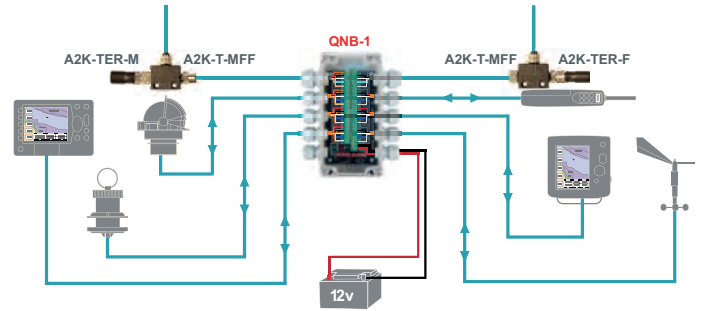
Actisense Software

NMEA Reader is a vital diagnostic tool that allows you to view and record information from NMEA 2000 or NMEA 0183 networks.

EBL Reader allows log files recorded by NMEA Reader and Actisense Toolkit to be viewed, analysed, filtered and exported helping users diagnose network issues and connection problems.

Actisense are continuously updating and releasing new tools and features to help users get the most out of their Actisense products.

- Receives and displays NMEA 2000 messages
- Receives and displays NMEA 0183 sentences
- Provides detailed information on the currently selected messages
- View mulitple connections simultaneously

- Record log files of received data as EBL files for viewing with EBL Reader at a later date
- Access configuration options for both the NGT-1 and NGW-1 devices
- Actisense software is freely at **www.actisense.com**

NMEA 0183 SYSTEMS

USG-2 Isolated USB to Serial Gateway

005-USG-2		£107.60
005-USG-2CABLE	USG-2 USB cable	£9.02

The safest way to connect a boats data network to an onboard PC. It converts a USB port into a bidirectional serial port suitable for connecting to a marine standard NMEA 0183 data bus. Electrical isolation is provided by the ISO-Drive™ output and OPTO-isolated input making installation simple and free from ground loops.

- Inputs & outputs protected against over voltage, ESD & short circuits
- Simple installation
- Protects PC from damage
- Eliminates ground loops
- NMEA 0183, RS422 & RS232 compatible
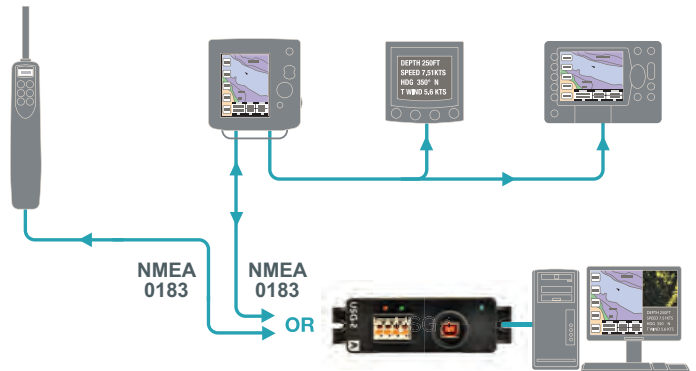
DST-2 Active DST Module

005-DST-2-150	For 150kHz Transducers	£190.70
005-DST-2-170	For 170kHz Transducers	£190.70
005-DST-2-200	For 200kHz Transducers	£190.70

The Active Depth/Speed/Temperature Module is the market-leading way to take analogue transducers into the digital age. Used with new or existing transducers fitted to a vessel, the Active DST Module digitises depth, speed and temperature transducer signals into NMEA data to deliver best-in-class seabed tracking.

- Depth frequencies of 150kHz, 170kHz or 200kHz
- Depth range 0.3 to 200m, 0.01m resolution
- Speed/Log sensor 0.5kn to 50kn, 0.01kn resolution
- Temperature sensor 0°C to +40°C, 0.01°C resolution
- NMEA 0183 data output once/second
- Configurable (depth, speed & temperature)
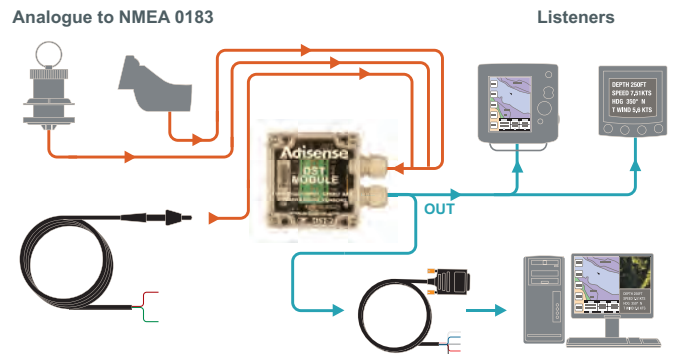
OPTO-4 Opto-isolator Cable

005-PC-OPTO-4	£78.56

The easy, safe and low cost way to connect an NMEA 0183 system to a PC or other device with a standard RS232 9-pin port.

- Port powered; takes power from PC port
- 2000V protection on PC input line
- Shielded for superior noise rejection
- Over-moulded case for excellent water resistance
- Up to 115200 baud

Actisense®
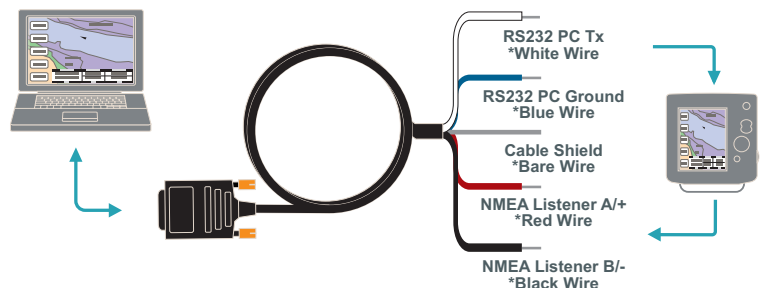
Self Contained Boat Network

005-A2K-SBN-1	4-Way	£67.88
005-A2K-SBN-2	8-Way	£147.05

Equivalent of four or eight T-pieces in a single case. Once the attached 3 metre cable is connected to the boats power supply, an NMEA 2000 network for multiple devices is ready to use, taking 'plug & play' to the next level.

4-Way   **8-Way**
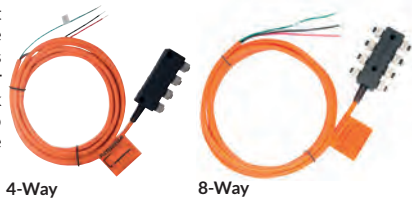
Terminators

005-A2K-TER-F	Female	£10.25
005-A2K-TER-M	Male	£10.25

For use at each end of an NMEA 2000® backbone to ensure proper operation and signal integrity.

Male & Female connectors (Micro)

Smart Universal Micro Terminator

005-A2K-TER-U	£24.42

Introducing the world's first intelligent universal in-line terminator.

Terminate your NMEA 2000 network – regardless whether a male or female connection is required – and use the TER-U's smart functionality to easily diagnose any power or voltage issues on your NMEA 2000 bus.

Power T

005-A2K-MPT-1	£28.78

The Actisense Micro Power T can easily provide power to the NMEA 2000® bus with micro fit connections to enable 'plug & play' connectivity. 3m UL certified cable.

NMEA 2000® Power tap - Micro Female & Micro Male

T Piece

005-A2K-T-MFF	£19.36

The Actisense NMEA 2000® T piece is for use where a drop or 'port' is required from the NMEA 2000® backbone to connect another device.

2 Female & 1 Male connector (Micro)

4 Way Multidrop T Piece

005-A2K-4WT	£66.37

The Actisense NMEA 2000® 4 Way Multidrop T Piece is for use where a multiple drop or 'ports' are required from the NMEA 2000® backbone to connect other devices.

5 Female & 1 Male connector (Micro)

4 Way Drop

005-A2K-4WD-1	£68.09

Use where multiple drops are required in a single location.

Panel Mount Connector

005-A2K-PMW-F	Female	£10.66
005-A2K-PMW-M	Male	£10.86

Panel mount wired connectors availble from Actisense allow NMEA 2000® installations through water tight bulkheads (or panels) to be achieved. Male & Female NMEA 2000® (Micro) connectors. Rear panel mount, wired 5 pin.

MICRO STARTER KITS

005-A2K-KIT-1	With 2m A2K-TDC Cable	£101.77
005-A2K-KIT-2	With 6m A2K-TDC Cable	£107.54

The Actisense NMEA 2000® Network Starter Kit contains everything you need to make an initial NMEA 2000® network.

Contents:
- 1 x A2K-MPT-1
- 1 x A2K-TER-F
- 1 x A2K-TER-M
- 2 x A2K-T-MFF
- 1 x A2K-TDC Cable

005-A2K-KIT-3	£98.63

An expandable solution for smaller boat users that wish to install an NMEA 2000 network.

Contents:
- 1 x A2K-4WT
- 1 x A2K-TER-F
- 1 x A2K-TER-M
- 1 x Power Cable

005-A2K-KIT-4	£130.99

Includes NMEA 2000 Smart Universal Terminators, giving you immediate intelligent feedback on the power state of your network.

Contents:
- 1 x A2K-MPT1
- 2 x A2K-TER-U
- 2 x A2K-T-MFF
- 1 x A2K-TDC-4M

Gender Changer Cable

005-A2K-GCFOM25	Female to Female 0.25m	£20.56
005-A2K-GCMOM25	Male to Male 0.25m	£20.56

A gender changer can be used between two cable connectors of the same type and gender on an NMEA 2000® backbone.

Female to female and male to male connectors

Field Fit Connectors

005-A2K-FFC-SF	Straight - female	£17.77
005-A2K-FFC-SM	Straight - male	£18.12
005-A2K-FFC-RF	Right angle - female	£18.67
005-A2K-FFC-RM	Right angle - male	£18.67

Actisense Field Fit Connectors allow for secure, reliable connections in any NMEA 2000® installation using Micro cable. The glands inside the connectors tighten around the cable as they are screwed together to maintain watertight integrity.

Dual Ended Cable Assemblies

005-A2K-TDC-OM25	0.25m	£19.73
005-A2K-TDC-0M5	0.5m	£20.99
005-A2K-TDC-1M	1m	£22.16
005-A2K-TDC-2M	2m	£24.31
005-A2K-TDC-3M	3m	£26.80
005-A2K-TDC-4M	4m	£29.14
005-A2K-TDC-5M	5m	£31.52
005-A2K-TDC-6M	6m	£33.35
005-A2K-TDC-8M	8m	£42.01
005-A2K-TDC-10M	10m	£45.18

Actisense micro cable assemblies allow quick installation and come with a quality reassurance. NMEA 2000 and UL certified.

Bulk Cable

005-A2KBULK100M	£257.93

- 100m long bulk cable reel (Micro)
- UL certified to provide complete peace of mind for installers.

DIGITAL SWITCHING
SMARTER • SAFER • SIMPLIFIED SOLUTION FOR INCREASED PERFORMANCE

The MPower distributed power control and monitoring system puts the user in control while providing greater safety and reliability in an easy to operate system. This flexible-to-configure system includes devices such as multi-function touchscreen display, tactile keypad, multiplexed switch module, solid-state power controller, bypass module, and DC only. Together, these devices provide:

- Easy installation and reduced wiring complexity
- Intuitive and easy to use HMI modules
- Extensive load monitoring capabilities
- DC distributed power only
- Bypass module for manual control of the critical loads

Additionally, the MPower system is NMEA2000 certified, and it can interface with N2KView V3® software* with remote monitoring capabilities for ease of use and any-time accessibility to the system status.

CLMD12 MPower Multi-Channel DC Load Module

468-CLMD12	DC Load Module, 12 channel (NMEA2000)	£504.00
468-A3706	MPower CLMD12 J1 Output cable	£38.40
468-A3707	MPower CLMD12 J2 Input cable	£28.80

- Turn breakers on and off via NMEA 2000® network from a any device running Maretron N2KView V3® or Maretron DSM-Series display
- Offers programmable multi-channel DC electronic load modules in an innovative, scalable configuration
- NMEA 2000® Interface
- IP67 Rated
- Ignition Protected
- Opto-Isolated from the NMEA 2000® network, eliminating potential ground loops
- Individual breaker electrical current monitoring
- Breakers can have power-up states defined (ON, OFF, or previous states)
- Lock breakers against inadvertent actuation
- Automatic ECB overcurrent shutdown and thermal shutdown (Overtemperature Protection)
- All inputs and outputs protected against short to Power and short to Ground

CLMD12 Features
- Twelve (12) dimmable Electronic Circuit Breakers
- Each breaker is capable of carrying up to 5, 10, or 12 Amps with a total current capacity of 75A

CBMD12 MPower 12-Channel Bypass Module

468-CBMD12	Bypass Module 12 circuit (NMEA2000)	£204.00
468-A3720	Bypass module jumper wire with lugs, 6AWG, Red	£8.40

- Provides manual control of the loads In the the unlikely event of a system failure when used in conjunction with CLMD12
- 75A max current capacity
- Carling Technologies Curvette® Rocker switches
- Overcurrent protection via ATC standard fuses
- Outputs
  - 12A max (two outputs)
  - 10A max (six outputs)
  - 5A max (four outputs)
- 12 & 24 VDC power systems

VMM6 Multiplexed Switch Module

468-VMM-00000008	12 function, No Actuators	£78.00
468-VMM-00000007	6 function, No Actuators	£79.20
468-A3702	VMM to NMEA 2000 Adapter Cable - 0.2m	£39.60

- Sealed, multiplexed switch module compatible with the Carling V-Series Contura® rocker switch styles
- Reduces the complexity and cost of traditional wiring harnesses, increases product life and reliability, and reduces installation time
- NMEA 2000® CAN Protocol
- IP68 Sealing Protection with Connector
- Configurable
- Horizontal or Vertical Mounting Options
- Rated for 250,000 Button Actuation Cycles

CKM12 Keypad

468-CK2-00000006	12 Button Keypad, ring on button	£120.00
468-CK2-00000007	12 Button Keypad, number in center of ring	£120.00
468-A3703	CKM to NMEA 2000 Adapter Cable - 0.2m	£39.60

- Customizable keypad featuring laser-etched legends
- LEDs aid in diagnosing fault conditions
- Low-profile design
- Vertical or horizontal mounting
- NMEA 2000® CAN Protocol
- IP6K9K Front Panel Protection
- 1,000,000+ Button Actuation Cycles
- Low Current Switching
- Tactile and Audible Feedback

MPOWER SYSTEM DIAGRAM

MULTI-FUNCTION DISPLAY

VMM6 Switch Module

CKM12 Keypad

CBMD12 Bypass Module

CLMD12 Switch Module

Manual Bypass: 12 Outputs

To perform a manual bypass, remove the load cable from the CLMD12 and plug it in to the CBMD12. The 12 rocker switches can be accessed by lifting the CBMD12 cover.

Remotely Controlled AC Distributed Power Unit (if required)

12 Outputs
- 2 High Side Outputs 12 Amps each
- 6 High Side Outputs 10 Amps each
- 4 High Side Outputs 5 Amps each

7 Inputs (Discrete)
- Active, High
- Active, Low

Maretron
A Carling Technologies Brand

DSM410/570 Multi-Function Displays

468-DSM410-01	4.1" Display	£595.20
468-DSM570-01	5.7" Display	£1,092.00

- A high-resolution sunlight viewable colour display that displays NMEA 2000® instrument, navigation, and vessel monitoring data
- User friendly dedicated marine display with custom screen configurations and an easy-to-use five-key illuminated keypad
- Choose numeric, gauge, bar or graph formats in single or multiple displays, with cycling options possible for a wide range of favourite data
- Directly connect with any NMEA 2000® network and with the exception of AIS data will display any or all information captured throughout the vessel

NMEA 2000 GATEWAYS AND BRIDGES

USB100 NMEA 2000® to USB Gateway

468-USB100-01	NMEA 2000® to USB Gateway	£208.30

A gateway for bridging computers to an NMEA network and also used with N2KAnalyzer V3® software, which allows you to use a PC for configuring, updating, and troubleshooting.

USB100 NMEA 2000 to USB Gateway

USB

License Key

USB100 - NMEA 2000 to USB Gateway

NMEA 2000 Network

Engine Monitor

Battery Monitor

Electrical Panel

Tank Monitor

N2KView® USB License Key
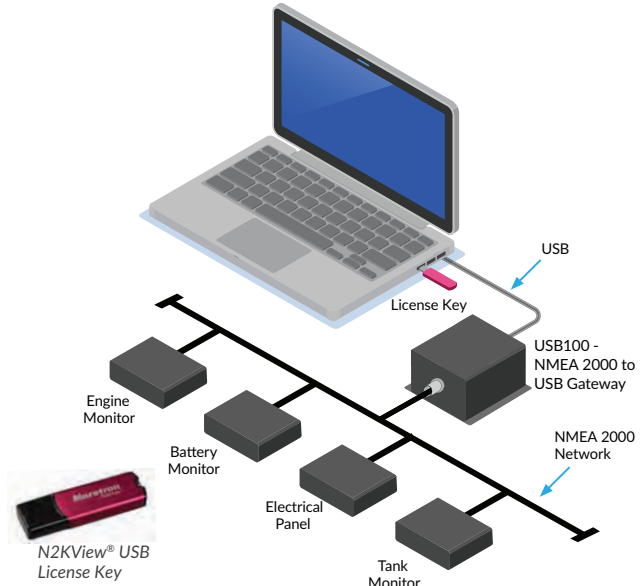
IPG100 - NMEA 2000® to Internet Protocol Gateway

468-IPG100-01	NMEA 2000® to Internet Protocol Gateway	£692.40
468-PX0852	USB Waterproof Cover	£7.20
468-PX0837/5M00	Waterproof Ethernet Cable 16.4'	£97.20

The IPG100 enables exchange of information between the NMEA 2000® network and Internet Protocol (IP) enabled devices, such as routers, switches, and wireless Modems. IPG100 will automatically connect to Maretron's Real Time Cloud Service, allowing remote connection to your vessel via the Internet

PX0852   PX0837/5M00

IPG100 NMEA2000 to Internet Protocol Gateway

NBE100 - NMEA 2000® Bridge (Network Bus Extender)

468-NBE100-01	£595.20

- Segments a single large NMEA 2000® network into smaller multiple electrical segments.
- Allows you to exceed the 50 product limitation on a NMEA 2000® network.
- Allows you to exceed the 200 meter trunk length limitation on a NMEA 2000® network.
- Allows you to exceed the 78 meter drop lengths limitation on a NMEA 2000® networks.
- Allows all NMEA 2000® devices to operate as if they were still on a single NMEA 2000® network.
- Optically isolates network segments, increasing signal integrity and network reliability.
- Allows filtering of NMEA 2000® PGNs by specifying PGN numbers to be passed or blocked.

Network Extension Side-to-Side Example

GPS
Compass
Weather
Depth

NMEA 2000® Network Bus Extemder

Engine Monitor
Battery Monitor
Electrical Panel
Tank Monitor
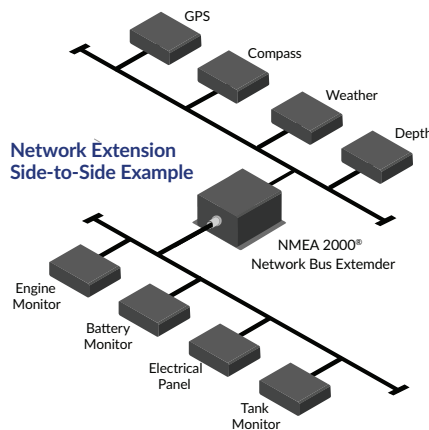
Network Extension End-to-End Example

NMEA 2000® Network Bus Extender

Engine Monitor
Battery Monitor
Electrical Panel
Tank Monitor

MARETRON

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Maretron®
A Carling Technologies Brand
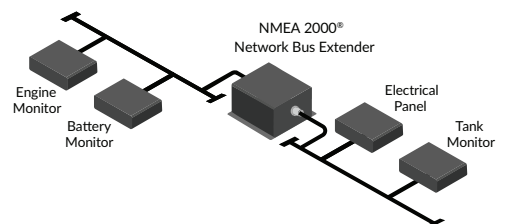
FPM100 Fluid Pressure Monitor

468-FPM100-01	Fluid Pressure Monitor	£392.40
468-PT01.5PSI01	Pressure Transducer 0 to 1.5 PSI	£147.60
468-PT03PSI01	Pressure Transducer 0 to 3 PSI	£147.60
468-PT-0-5PSI-01	Pressure Transducer 0 to 5 PSI	£147.60
468-PT-0-10PSI-01	Pressure Transducer 0 to 10 PSI	£147.60
468-PTO-50PSI01	Pressure Transducer 0 to 50 PSI	£147.60
468-PT-0-100PSI-01	Pressure Transducer 0 to 100 PSI	£147.60
468-PT-0-500PSI-01	Pressure Transducer 0 to 500 PSI	£147.60
468-PT-0-1000PSI-01	Pressure Transducer 0 to 1000 PSI	£147.60
468-PT-0-5000PSI-01	Pressure Transducer 0 to 5000 PSI	£147.60
468-PT-SNUB-01	Pressure Snubber	£61.80
468-PT-V-0-1BAR-01	Pressure Transducer Vacuum to 1 Bar	£198.60
468-PTS015PSI0	Submersible Pressure Transducer 0 to 1.5 PSI	£249.00
468-PTS030PSI0	Submersible Pressure Transducer 0 to 3.0 PSI	£249.00

The FPM100 is used to interface up to six pressure transducers to the NMEA 2000® network. Reports either pressure or vacuum for a variety of applications including water, oil, hydraulic, or system vacuum for detecting clogged filters. A tank level mode, allows fluid levels in a tank can be monitored via a pressure transducer and can be calibrated for irregular tank shapes.

PT-0-xxxxPSI-01   PTS-0-xxPSI-01

FPM100 Fluid Pressure Monitor

TLM Tank Level Monitors

468-TLM100-01	Tank Level Monitor (40" Max Depth)	£226.20
468-TLM150-01	Tank Level Monitor (Gasoline)	£226.20
468-TA5H1.25BSP	1.25" BSP Displ. Hull Tank Adapter	£25.20
468-TA5H1.5NPT	1.5" NPT Displ. Hull Tank Adapter	£25.20
468-TFT-5H	SAE 5-Bolt Pattern Non-Displ. Hull Focus Tube	£39.60
468-TFT-1.25BSP	1.25" BSP Non-Displ. Hull Focus Tube	£75.00
468-TFT-1.5NPT	1.5" NPT Non-Displ. Hull Focus Tube	£39.60
468-TFTDBE-5H	SAE 5-Bolt Focus Tube with Dead Band Eliminator	£60.00

Ultrasonic waves are transmitted via the TLM100 mounted at the top of the tank to sense fluid levels. Tanks up to 40" (1.02m) in depth to measure diesel, fresh water, waste water, black water, and oil tanks (TLM150 for gasoline).

Using the industry standard SAE J1810 5-hole mounting pattern, or adapters that allow a 1.5" NPT and a 1.25" BSP fitting.

PTS-0-xxPSI-01   PTS-0-xxPSI-01

Tank Level Monitor

PTS-0-xxPSI-01   PTS-0-xxPSI-01

TLA100 Resistive Adapter

468-TLA100-01	Tank Level Adapter	£295.20

Used to adapt resistive tank senders; (240-30 ohm), (10-180 ohm) and any resistance between 0 and 300 ohms.

TLA100 Tank Level Adapter

ENGINE MONITORING

J2K100 Engine Monitor

468-J2K100-01	J1939 to NMEA 2000® Gateway	£392.40
468-MCF-2M-D4	Micro female to Deutsch 4 Pin 2m Cordset	£52.80
468-MCF-2M-D12	Micro female to Deutsch 12 Pin 2m Cordset	£61.80
468-MCF2MD12CAT	Micro female to Deutsch 12 Pin 2 T cable	£111.00

J2K100 attaches directly into J1939 networks of compatible engines, transmissions and gensets and converts the J1939 data to NMEA 2000®.

Critical engine, transmission, and genset data can be monitored by any NMEA 2000® compatible display.

The J2K100 converts the following information:

- AC Generator Current
- AC Generator Frequency
- AC Generator Voltage
- Tachometer
- Engine Hours
- Coolant Pressure
- Coolant Water Temperature

- Engine Oil Pressure
- Engine Oil Temperature
- Boost Pressure
- Fuel Rate Monitoring
- Charging Voltage
- Percent Engine Load
- Percent Engine Torque

- Rated Engine Speed
- VIN
- Software ID
- Transmission Gear
- Transmission Oil Pressure
- Transmission Oil Temperature

MCF-2M-D4   MCF-2M-D12   MCF-2M-D12CAT

FFM100 Fuel/Fluid Flow Monitor

468-FFM100-01	Fuel Flow Monitor	£392.40
468-M1AR	Sensor 2-100 LPH (0.53-26.4 GPH)	£392.40
468-M2AR	Sensor 25-500 LPH (6.6-132 GPH)	£493.80
468-M4AR	Sensor 180-1500 LPH (48-396 GPH)	£692.40
468-M8AR	Sensor 8-70 LPM (2.1-18.5 GPM)	£891.00
468-M16AR	Sensor 10-100 LPM (2.6-26.4 GPM)	£992.40

Provides precision fuel flow information to help optimize fuel consumption, allowing true temperature compensation with embedded sensors within the meters. The FFM100 also detects momentary reverse flow in the fuel lines due to fluctuating pressure.

M1AR   M16AR

FFM100 Fuel/Fluid Flow Monitor

All prices SRP inc VAT. For trade prices and stock availability visit www.smgeurope.com

ACM100 Alternating Current Monitor

468-ACM100-01	Alternating Current (AC) Monitor	£493.80
468-M000630	100 Amp AC Transducer with Cable	£58.80
468-M000612	400 Amp AC Transducer with Cable	£262.80

Monitors AC power sources and outputs information onto the NMEA 2000 network.

- Single phase, split phase or 3-phase AC Sources
- Monitoring of busses carrying AC power and transmitting:
  - Voltage
  - Frequency
- Monitoring AC Power sources such as utilities and generators and transmitting:
  - Voltage
  - Current
  - Frequency
  - Real Power
  - Reactive Power
  - Apparent Power
  - Power Factor
  - Total Energy Imported
  - Total Energy Exported

M000612   M000630

DCM100 Direct Current Monitor

468-DCM100-01	Direct Current Monitor	£493.80
468-FC01	DCM100 Battery Harness with Fuse	£39.88
468-LEMHTA200-S	200 Amp Current Transducer with Cable	£97.20
468-LEMHTA400-S	400 Amp Current Transducer with Cable	£147.60
468-LEMHTA600-S	600 Amp Current Transducer with Cable	£193.80
468-TR3K	DCM100 Ring/Under Bolt Temperature Probe	£25.20

Measures the voltage and current of any direct current (DC) power source or loads, including batteries, alternators, solar panels, wind generators, inverters, windlasses, DC refrigerators, or any DC branch circuit. Hall effect current sensor just simply slips over the wire.

- Information monitored:
  - Battery Voltage
  - Battery Current
  - Ripple Voltage
  - Battery Case Temperature
  - State of Charge
  - Time Remaining
  - Charge Efficiency Factor

FC01   LEMHTAx00-S   TR3K

DCR100 Direct Current Relays

468-DCR100-01	Direct Current Relays	£392.40

Contains 6 Direct Current (DC) relays, each capable of switching up to 10 amps. Connects directly to an NMEA 2000 network, so you can turn on and off the relays from any device onboard.

Can handle resistive DC loads like lights, or inductive DC loads like pumps and motors, and can also be used to switch AC circuits using external relays.

- Six relays for On/Off control over NMEA 2000® Network
- Each relay capable of carrying up to 10 amps
- Individual relay electrical current monitoring
- Automatic relay over current shutdown (shuts down at ≈ 12 amps)
- Automatic relay thermal shutdown (over temperature protection)

- Relays switchable using Maretron DSM Series, N2KView®, or N2KView® Mobile
- DCR100 can be configured as an annunciator to activate a buzzer, horn, or strobe light as a result of an alert
- Individual DCR100 channels can be locked into On/Off state
- Individual DCR100 channels can be configured with default power up state (e.g., On/Off/Previous)

RIM100 Run Indicator Module

468-RIM100-01	Run Indicator Module	£295.20
468-WIF-RK30880-E	Water in Fuel Detector	£180.00

Monitors both AC and DC electrical circuits whether or not the electrical circuit is energized and running. Can also monitor manually switched loads (running lights, anchor lights, or deck lights) or auto switched

loads (bilge pumps, engine exhaust/intake fans, and transfer pumps).

- Monitors and reports the running statuses of six independently connected devices
- Works with both AC and DC loads
- Works with both automatically and manually switched loads
- Includes built in timers and counters so you know how long

- Can indicate the status of a wide variety of loads
  - Bilge Pumps
  - Winches
  - Running Lights
  - Transfer Pumps
  - Exhaust/Intake Fans
  - Water in Fuel notification

MARETRON

SIM100 Switch Indicator Module

468-SIM100-01	Switch Indicator Module	£392.40
468-SH-002	Smoke/Heat Detector	£115.20
468-BHW100	Bilge High Water Detector	£55.20
468-CO-CO1224T	Carbon Monoxide (CO) Detector (Surface Mount)	£142.80
468-IS216	Motion Detector	£49.20
468-VS-07.0HG	Vacuum Switch (7" Hg or 24kPa)	£77.40
468-MS-1035	Magnetic Switch Rectangular (Indoor)	£6.60
468-MS-1085-N	Magnetic Switch Rectangular (Outdoor)	£8.40
468-MS-1075	Magnetic Switch Recessed (Indoor/Outdoor)	£3.60

Continually monitors up to six switch closure devices, such as motion, vibration, glass break, door, port hole, valve closed/open, high water, bilge heat, smoke, carbon monoxide and broadcasts information over the NMEA 2000 network.

The crew can be alerted to the switch state, and highlight potential conditions or problems for investigation.

CO-CO1224T   MS-1035   SH-002   BHW100

RAA100 Rudder Angle Adapter

468-RAA100-01	Rudder Angle Adapter	£295.20

- Three Point Electronic Calibration eliminates need for mechanical adjustment or calibration
- Can be used stand alone without analog gauges

Used to adapt resistive rudder senders (240-30 ohm), (10-180 ohm) and any resistance between 0 and 300 ohms to the NMEA 2000 Network.

TMP100 Temperature Module

468-TMP100-01	Temperature Module	£295.20
468-TR3K	Ring/Under Bolt Temperature Probe	£25.20
468-TP-AAP-1	Ambient Air Temperature Probe	£24.60
468-TP-IP-1	Immersion (Tanks, Plenums, etc.) Temperature Probe	£88.80
468-TP-EGT-1	Exhaust Gas Temperature (EGT) Probe	£129.00

Measures the temperature for up to 6 temperature probes and outputs over the NMEA 2000 network. Supports up to 4 thermistor probes and 2 high temperature thermocouple probes.

- Six external temperature probes are measured and broadcast over NMEA 2000® Network
- Four channels for thermistor probes and 2 channels for high temperature thermocouple probes

- Wide variety of applications supported with optional temperature probes
  - Cabin & Engine room temperature
  - Under bolt temperature (inverters, chargers, pumps, etc.)
  - Refrigerator/freezer temperature
  - Tank temperatures (live well bait, hot water, etc.)
  - Air duct temperature
  - Exhaust gas temperature

- Optional temperature probes
  - Ambient air temperature probe (-20 to 80 °C)
  - Ring Terminal Probe (-20 to 80 °C)
  - Immersion probe for tanks or plenums (-20 to 80 °C)
  - Exhaust Gas Temperature Probe (0 to 900 °C)

TR3K   TP-AAP-1   TP-IP-1

VDR100 Vessel Data Recorder

468-VDR100-01	Vessel Data Recorder	£793.80
468-PX0852	USB Waterproof Cover	£7.20
468-PX0837/5M00	Waterproof Ethernet Cable 16.4'	

Used to record messages transmitted from every product interconnected on the vessel's NMEA 2000® network. Supplied with a 16GB USB Flash

Drive will hold weeks or more of data. Recorded data, associated dates and times, can be read into a spreadsheet for graphing or any other type of data analysis using N2KExtractor (PC or Mac).

PX0852   PX0837/5M00

NAVIGATION INSTRUMENTS

GPS200 GPS Receiver

468-GPS200-01	£295.20	

- Provides reliable position fixes 10 times per second, accurate boat speed four times per second, and precision time once per second
- Plug-and-play device fully compliant and certified to the NMEA 2000® standard

SSC300 Solid State Compass

468-SSC300-01	Solid State Compass	£595.20
468-MARE00410M7	NMEA 0183 10m Conn. cable	£49.20

- Provides better than 0.7° heading accuracy in static conditions and better than 1.5° heading accuracy in dynamic conditions
- Better than 1°/second rate of turn
- Better than 1° pitch/roll accuracy
- Three axis magnetometer, three axis rate gyro, and three axis accelerometer
- Outputs NMEA 0183 & NMEA 2000 data simultaneously
- IP67 waterproof enclosure

All prices SRP inc VAT. For trade prices and stock availability visit www.smgeurope.com

Maretron
A Carling Technologies Brand

CABLES AND CONNECTORS

About Micro, Mid and Mini Cable Systems
There are three types of NMEA 2000® cabling systems, Micro, Mid and Mini. The Micro/Mid cable system is generally used for smaller networks requiring less power (i.e., less than 4 amps per network leg) while the Mini cable system is used for larger networks (i.e., more than 4 amps but less than 8 amps per leg).

MICRO RANGE

Micro Bulk Cable

| 468-CG1-100C | Single Piece per 100m spool – gray | £373.80 |

- Trunk or drop cable for use with Micro connectors
- Used with field-attachable connectors to build exact length cables at the job site

Micro/Mid Field-Attachable Connectors

468-FA-CF-ST	Straight - Female	£18.00
468-FA-CM-ST	Straight - Male	£18.00
468-FA-CM-90	90° - Male	£18.00

Straight Connectors

- Field-attachable connectors allow you to make field connections to bulk cable.

90° Connector

Micro Double-Ended Cordsets (Male to Female)

468-CMCG1CF00.5	0.5M (gray)	£25.20
468-CMCG1CF01.0	1M (gray)	£26.40
468-CMCG1CF02.0	2M (gray)	£28.20
468-CMCG1CF03.0	3M (gray)	£30.60
468-CMCG1CF04.0	4M (gray)	£33.00
468-CMCG1CF05.0	5M (gray)	£36.60
468-CMCG1CF06.0	6M (gray)	£38.40
468-CMCG1CF08.0	8M (gray)	£43.20
468-CMCG1CF10.0	10M (gray)	£47.40

- Double-ended cordsets are used for trunk or drop lines and make for a secure connection and simple timesaving installation

Micro Tee

| 468-CM-CF-CF | | £22.80 |

- A Tee is used to tap into the trunk line for adding a drop connection
- Male left/Female bottom/Female Right

Micro/Mid Powertap Tee

| 468-CFSPWR05-CF | | £46.80 |

- Maretron Powertap Tee uniquely provides two power inputs permitting doubled power provision for devices

Micro Termination Resistors

468-TR-CM	Male	£10.80
468-TR-CF	Female	£10.80
468-IT-CM-CF	Inline Terminator	£20.40

- The inline terminator is used where the network is terminated at a product, for example a GPS or weather station at the top of a mast
- Termination resistors are used to terminate both ends of the trunk line

Micro Bulkhead Feed-Thru

| 468-BHF-CM-CF | | £29.40 |

- Allows ease of installation through panels or bulkheads and establishes future connection points

Micro 90° Male to Female Connector

| 468-ELB-CM-CF | | £33.60 |

- A 90 degree male to female connector for Micro or Mid size cable

MID RANGE

Mid Bulk Cable (Gray/Blue)

| 468-DG1-100C | Two Pieces per 100m spool – gray | £438.60 |
| 468-DB1-100C | Single Piece per 100m spool – blue | £447.60 |

Mid Single-Ended Cordset

| 468-DF-DB1-25.0 | | £133.80 |

- Intended for installation of devices such as a weather station
- Female to Open Pigtail – 25m (blue)

Mid Double-Ended Cordsets (Male to Female)

468-DMDB1DF00.5	0.5M (blue)	£27.00
468-DMDB1DF01.0	1M (blue)	£28.20
468-DMDB1DF02.0	2M (blue)	£30.00
468-DMDB1DF03.0	3M (blue)	£33.60
468-DMDB1DF04.0	4M (blue)	£35.40
468-DMDB1DF05.0	5M (blue)	£39.00
468-DMDB1DF06.0	6M (blue)	£41.40
468-DMDB1DF08.0	8M (blue)	£46.80
468-DMDB1DF10.0	10M (blue)	£52.20

- Double-ended cordsets are used for trunk or drop lines and make for a secure connection and simple timesaving installation

Maretron®
A Carling Technologies Brand

Mini Bulk Cable (Gray/Blue)

| 468-NG1-100C | Single Piece per 100m spool – gray | £664.80 |
| 468-NB1-100C | Single Piece per 100m spool – blue | £664.80 |

- Mini bulk cable is primarily used as trunk cable, but it can also be used as drop lines
- Trunk or drop cable for use with Mini connectors

Mini Field-Attachable Connector

| 468-FA-NF-ST | Female | £31.80 |
| 468-FA-NM-ST | Male | £31.80 |

- Field-attachable connectors allow you to make field connections to bulk cable

Mini Double-Ended Cordsets (Male to Female)

468-NMNG1NF00.5	0.5M (gray)	£37.20
468-NMNG1NF01.0	1M (gray)	£39.60
468-NMNG1NF02.0	2M (gray)	£45.00
468-NMNG1NF05.0	5M (gray)	£61.20
468-NMNG1NF06.0	6M (gray)	£65.40
468-NMNG1NF10.0	10M (gray)	£87.00

- Double-ended cordsets are used for trunk or drop lines and make for a secure connection and simple timesaving installation

Mini Powertap/Mini Power Cord

468-NF-NM4P-NF	Mini Powertap - Female to Female with Fuses	£220.80
468-NM4P-01	Mini Power Cord - Female to Pigtail - 1m	£35.40
468-NM4P-05	Mini Power Cord - Female to Pigtail - 5m	£47.40

- Connects power supply to NMEA 2000® Trunk Line in convenient plug/play fashion

Mini Tees

| 468-NM-NF-NF | Mini Tee | £28.80 |
| 468-NM-CF-NF | Mini/Micro Tee | £28.80 |

Mini 90° Male to Female Connector

| 468-ELB-NM-NF | | £39.60 |

Mini Termination Resistor (Male/Female)

468-TR-NM	Male	£10.80
468-TR-NF	Female	£10.80
468-TRL-NM	With LED (Male)	£25.20
468-TRL-NF	With LED (Female)	£25.20

- Diagnostic versions indicate correct polarity at a glance to ensure power connections have been made properly

Mini Male to Micro Female Reducer

| 468-NM-CF | | £40.20 |

- Reduces Mini Backbone to Micro/Mid Cable

Mini Gender Changers

| 468-NM-NM | Male/Male | £39.60 |
| 468-NF-NF | Female/Female | £39.60 |

Mini Bulkhead Feed-Thru

| 468-BHF-NM-NF | | £52.80 |

- The Bulkhead Feed-Thru allows ease of installation through panels or bulkheads

ACCESSORY

Multiport Box

| 468-CM-CF-4 | | £89.40 |

- Multiport boxes allow several drop cables to be consolidated and connected back to the trunk
- Micro-Mid Male Homerun / Micro-Mid Female Drops

NMEA2000 DIAGNOSTIC TOOL

N2KMeter-01 Diagnostic Tool

| 468-N2KMETER-01 | £891.00 |

- Cut troubleshooting time from hours to seconds, by effectively identifying and diagnosing network problems
- Provides detailed technical information an NMEA 2000® troubleshooting expert needs, or a simplified summary for novices
- Battery-powered operation allows readings to be saved

Mechanical Dashboard Drive Type T

545-MDTPW	Tilt Shaft	£1,109.95

- This drive unit replaces a manual Tilt drive
- Mounts directly behind the dash, but still allows the angle of the steering wheel to be changed
- Uses the front end from Teleflex SH91800

Mechanical Dashboard Drive Type S

545-MDMSW	Straight Shaft	£1,039.95

- The straight shaft drive unit replaces the manual drive used on cable steered boats
- Mounts directly behind the dash.
- Can be retrofitted in most installations using the cable and steering wheel from the manual steering helm on the boat.

Space Required - Type S & Type T

TOP VIEW

SIDE VIEW

DASHBOARD

MIN 250mm clearance front-back (216mm clearance with spacers)

MIN 90mm clearance

MIN 115mm clearance

MIN 150mm clearance
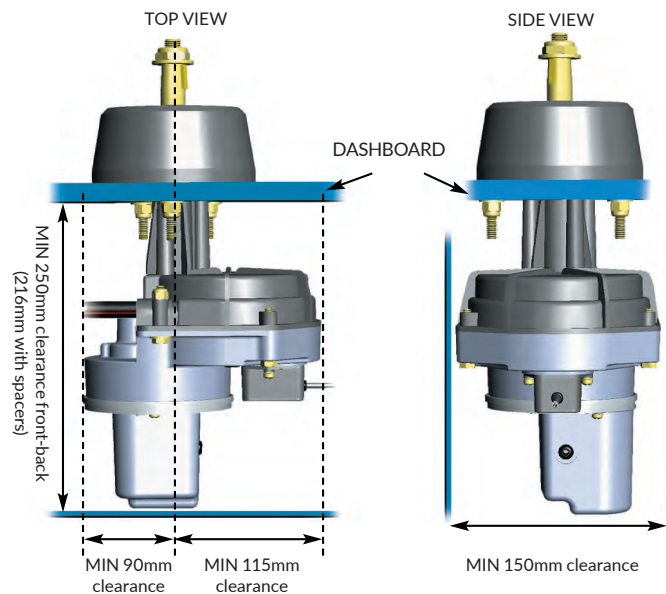
Optional Rudder Feedback Unit

Typically one of the most complex and time consuming aspects of autopilot installation is fitting the rudder feedback unit and ensuring that the geometry matches the full range of rudder movement.

The solution is an integrated rudder feedback unit that directly mounts to the drive unit itself.

Rudder Feedback Modules

545-OC15SUK27	Universal Kit for all autopilots	£346.95
545-OC15SUK27B	For Raymarine autopilots	£305.95
545-OC15SUK27E	For Garmin, TMQ, Furuno, Simrad NAC1 & NAC2	£305.95
545-OC15SUK83	Simrad Resistance to Frequency Conversion Kit	£305.95

Simrad Resistance to Frequency Conversion Kit – Required for old Simrad & all B&G Autopilots

Universal Kit for all autopilots

MECHANICAL DRIVE ACCESSORIES

Spacer Kits

545-OC15SUK16	Spacer Kit x 19mm for 90° Bezel Mounting Kit	£100.95
545-OC15SUK17	Spacer Kit x 16mm for 20° Bezel Mounting Kit	£100.95
545-OC15SUK18	Spacer Kit x 13mm for TFX Perf. Tilt Mechanism	£100.95

Steering Cable Adapter Kit

545-OC15SUK08	For TFX SSC62 - Uflex M66	£81.95

Mechanical Remote Drive - Stern Drive Power Boats

545-MDRESYS-A6	Single Engine Mercruiser - 1994+	£1,384.95
545-MDRESYS-A9	Twin Engine Mercruiser - 1994+	£1,384.95
545-MDRESYS-B	Penta Diesel & Mercruiser - 1983-94	£1,384.95

MDRESYS-A

MDRESYS-B

- The Type R remote drive system makes sterndrive installations easy for both single or dual engine systems. The installation kit simply clamps to the steering cylinder with no drilling or cutting required. Two packs are available to suit the most common Mercruiser and Volvo Penta sterndrive systems
- The remote drive unit has a tiny 0.25ft² footprint and can be mounted in the most convenient location on your boat, horizontally or vertically
- For Older Mercruiser engines (pre 1994) use System B
- Stern drive power assist cylinder selection guide available

Mechanical Linear Drives - Sail/Power

545-MDRS-SYS-LONG	12" Stroke	£1,558.95
545-MDRS-SYS-SHORT	8.5" Stroke	£1,432.95

- These remote drive units have a tiny 0.25Ft2 footprint and can be mounted in the most convenient location on your boat, horizontally or vertically
- Two models available
  - Long RAM 12" Stroke Version - 40ft - 7000kg
  - Short RAM 8.5" Stroke Version - 32ft - 6000kg

Hydraulic Linear Drives

545-1012LAM7	LAM Mount Style	£2,278.95
545-1212LAM12	LAM Mount Style	£2,290.95
545-1012LAR7	LAR Remote Style	£2,278.95
545-1212LAR12	LAR Remote Style	£2,290.95

- POWERFUL, EFFICIENT DRIVES FOR SAILBOATS
- RELIABLE - Only three moving parts, increasing reliability
- EFFICIENT - Three times more efficient, half the battery consumption
- ADJUSTABLE FLOW RATE - Configure performance to suit your vessel

LAR Mount Style

LAM Mount Style

Drives	Average / Max Current *	Features				Performance			Yacht Selection	
		Volts	Cylinder Bore	Variable Flow Rate	Stroke	Hardover Time (Suggested)	Max Rudder Torque	Peak Thrust	Max Boat Length	Max Laden Displacement
1012LAM7	4 – 6A / 19A	12V	38MM	500cc - 1 litre/min	178mm / 7in	12 - 14 sec	750Nm / 6,630lbin	400Kg / 882lbs	14m / 45ft	11,000Kg / 24,200lbs
1012LAR7										
1212LAM12	4 – 6A / 19A	12V	38MM	600cc - 1.2 litre/min	305mm / 12in	14 - 16 sec	1,200Nm / 10,600lbin	400Kg / 882lbs	18m / 60ft	15,000Kg / 33,000lbs
1212LAR12										

* **Piston pump efficiency will reduce actual consumption**

Reversing Gear Pump

545-G0612	0.6L, 600cc/min - 12V	£499.95
545-G1012	1L, 1000cc/min - 12V	£569.95
545-G1612	1.6L, 1600cc/min - 12V	£691.95
545-G1624	1.6L, 1600cc/min - 24V	£735.95
545-G2012	2L, 2000cc/min - 12V	£833.95
545-G2024	2L, 2000cc/min - 24V	£895.95
545-G3012	3L, 3000cc/min - 12V	£955.95
545-G3024	3L, 3000cc/min - 24V	£1,075.95

- HIGH EFFICIENCY - Industry leading efficiency minimizes power consumption
- LOW NOISE - New design offers significantly quieter operation
- LIGHTWEIGHT & COMPACT - Small footprint offers greater installation flexibility
- WIDE RANGE OF PRODUCTS - From 600 to 3000cc/minute, 12v and 24v options

Reversing Piston Pump

545-P1212	1.2L, 180cc-360cc - 12V	£747.95
545-P2012	2L, 245cc-500cc - 12V	£782.95
545-P2024	2L, 245cc-500cc - 24V	£820.95

- RELIABLE - Patented piston pump technology with only three moving parts
- TWICE THE POWER - Delivers over twice the hydraulic output per watt of input
- ADJUSTABLE FLOW RATE - Configure performance to suit your vessel
- EASY SERVICING - Shut off valves allow removal without draining steering system

Hose and Fitting Kit

545-OC17SUK42	30" Hose and Fitting Kit	£237.95

- Makes Autopilot Installation a breeze.
- Essential option for any Pilot installation, includes NPT and ORB helm fittings to work with 2014 or newer Seastar Helms

Reversing Pump Major Manufacturer Comparison Chart																					
Pump Model		Steering Ram Displacement cm3 (Cu.in)																	H.O.To H.O. In Seconds (Range For Fixed Flow Pumps)	Peak Current (Amps)	Normal Steer Current (Amps)
12 VDC	24 VDC	98 (6)	131 (8)	164 (10)	197 (12)	230 (14)	262 (16)	295 (18)	328 (20)	361 (22)	394 (24)	426 (26)	459 (28)	492 (30)	525 (32)	558 (34)	590 (36)	623 (38)	656 (40)			
OCTAFG0612	OCTAFG0624	■	■																	9 to 15		3.8
OCTAFG1012	OCTAFG1024			■	■	■														9 to 15		5
OCTAFG1612	OCTAFG1624					■	■	■												9 to 15		6
OCTAFG2012	OCTAFG2024							■	■	■	■									9 to 15		6
OCTAFG3012	OCTAFG3024													■	■	■				9 to 15		6
Manufacturer	Model																					
Raymarine	Type 1	■	■	■																6 to 18	18	8-10
Raymarine	Type 2					■	■	■												7.5 to 11.5	22	10-12
Raymarine	Type 3									■	■	■								7.5 to 11.5	33	16-18
Simrad	RPU80	■	■																	6 to 14	14	5-7
Simrad	RPU160			■	■	■														6 to 14	19	7-9
Simrad	RPU300						■	■	■	■	■	■	■							7.5 to 13	22	7-9
Accusteer	HRP06	■	■																	6 to 14		3-5
Accusteer	HRP11			■	■	■														7 to 14		4-6
Accusteer	HRP17					■	■	■												6 to 14		5-8

LE300 SMART BATTERY SYSTEM

Add the benefits of lithium to your current battery installation

LE300 Smart Battery System is a modular and scalable plug & play LiFePO4 lithium extension battery for any 12 V lead-acid/AGM battery system which is quick and easy to install.

The LE300 offers the best upgrade for an improved, consistent power supply to help protect all on-board electronics. Smart, robust, and full of unique hybrid features.
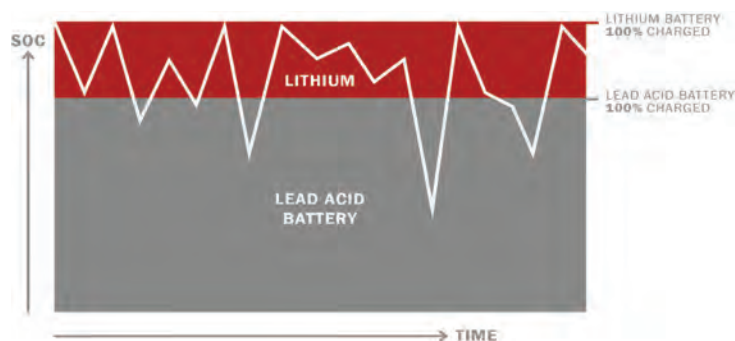
Small, lightweight, scalable

Each module has 25.2 usable Ah and weighs just 3.4 kg. Small in design but powerful in operation measuring 175 x 229 x 67 (mm) each. It is possible to connect a total of 24 LE300 modules, but you can start with one and add as required.

Simplest add-on installation

No additional charge controller or programming is required. Your existing system remains, just add the LE300 in parallel to the existing battery. Compatible with all lead-acid, AGM and GEL batteries.

10-year lifespan

The LE300 takes priority over your existing battery, helping to keep it charged whenever possible (in daily use as well as during several months of standby) and extending the lifespan of your battery by up to 10 years

Safe and robust

E1-certified, the LE300 is robust and cased by a shock-proof housing. Protected against overcurrent, overload, short circuit, deep discharge, wrong polarity. For marine use when exposed to the elements, it is important to house the LE300 in a waterproof battery box.

Guaranteed power

Each lithium module has its own BMS and functions independently of the others. This, combined with the simplicity of the existing battery system, guarantees reliable power supply – perfect for remote locations.

Winter functionality:

Integrated cell heating allows the battery to be used, even in sub-zero temperatures. In extreme conditions, the LE300 turns off automatically and leaves the lead-acid battery to work until the temperature is suitable for the LE300 to operate again.

SMART MODULAR SYSTEMS

Sixpack, 168 Ah

099-12000101	Lithium Extension Battery Single 28 Ah / 358 Wh	£399.00
099-12000701	Lithium Extension Battery Two Pack 56 Ah / 716 Wh	£812.00
099-12000401	Lithium Extension Battery Four Pack 112 Ah / 1344 Wh	£1,618.00
099-12000301	Lithium Extension Battery Six Pack 168 Ah / 2148 Wh	£2,424.00
099-12000901	BOS Mechanical Pack Extension Kit S	£12.00
099-12001101	BOS Mechanical Pack Extension Kit L	£24.00

Double, 56 Ah

Mechanical Extension Set L

SCANSTRUT®

outdoor . technologies .

Horizontal Cable Seal

mounts. pods. seals. chargers.

SCANSTRUT

MOUNTING PODS

Rail Mount

715-SPR-1i-RM	For 1 standard instrument	£146.40
715-SPR-7-RM	For 7" displays	£378.00
715-SPR-7S-RM	For 7" displays - Ultra Compact	£378.00
715-SPR-8-RM	For 8" displays	£404.40

Fit your display onto standard or curved rails. Viewing angle can be set upon installation. Cables routed internally.

Arm Mount

715-SPR-1i-AM	For 1 standard instrument	£272.40
715-SPR-7-AM	For 7" displays	£451.20
715-SPR-7S-AM	For 7" displays - Ultra Compact	£469.20
715-SPR-8-AM	For 8" displays	£475.20

Extend the pod away from narrow or crowded rails for better viewing. Designed to ensure the pod is always at the right angle despite the shape of the rail.

Helm Pod

715-SPH-8-W	For 8" displays - slim back	£384.00
715-SPH-9-W	For 9" displays - slim back	£384.00
715-SPH-12-W	For 12" displays - slim back	£441.60
715-SPH-13-W	For 13" displays - slim back	£441.60
715-SPH-15D-W	For 15" displays	£618.00
715-SPH-3I-W	For 3 Instrument	£315.60
715-SPH-4I-W	For 4 Instrument	£344.40

Install chartplotter, radar displays, instrument and autopilot controls at the yacht's helm.

- Unique clamping system provides universal fit to all pedestal rails (25 - 33.7mm dia)
- Mounting saddle ensures a secure and rigid fit to pedestal
- No need to drill stainless rail to mount pod
- Fits rail widths from 7" (178mm)
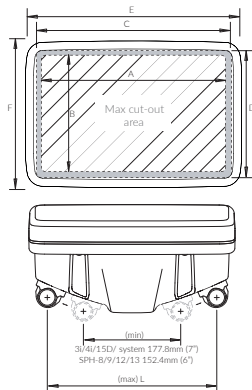
	A	B	C	D	E	F	L
SPH-8-W	267	167	289	190	324	228	203
SPH-9-W	314	185	336	207	374	243	305
SPH-12-W	333	227	345	245	392	286	280
SPH-13-W	351	228	373	246	409	287	305
SPH-15D-W	423	333	424	349	482	396	381
SPH-3i-W	368	118	390	140	432	181	317
SPH-4i-W	498	118	520	140	562	187	406

Max cut-out area

(min)
3i/4i/15D/ system 177.8mm (7")
SPH-8/9/12/13 152.4mm (6")
(max) L

Helm Pod Accessory: Flex Mount

715-FM-1	ScanPod Flex Mount for SPH-9-W, 3i, 4i, 4Xi	£379.20
715-FM-2	ScanPod Flex Mount for SPH-12-W SPH-13-W	£391.20
715-SPFM-RM1-X	Rail mount clamp - excl. U-Shaped rail	£297.60

Always view your instruments from the perfect angle by using this accessory in combination with your Scanstrut Helm Pod. The Flex-Mount System gives you more options for installing your electronics - simply clamp onto your existing rail or steering binnacle and install the Helm Pod as normal.

- Available in 2 sizes
- Easy to use quick release lever - tilt display forward / back for improved instrument viewing
- Cables exit the back of the Pod and into the pedestal/ rail using a watertight grommet
- Fits 1" and 1 1/4" rail sizes and requires a minimum of 60mm (2.4") of straight rail to mount

360° SWIVEL & TILT

SystemPod

For 4 standard instruments or 2 standard instruments & a 7" screen

715-SPH-4XI-W	Helm Pod	£468.00
715-SPD-4XI-W	Deck Pod	£532.80

For 8" display & 4 instruments or 12" display & 2 instruments

715-SPH-SYS-W	Helm Pod *	£618.00

(* Will only fit pedestal guards with centre measurements from 7")

Manufactured from acrylic capped ABS plastic – tough, durable & UV stable. See www.scanstrut.com for technical specifications.

Deck Pod

715-SPD-7-W	For 7" displays - slim back	£418.80
715-SPD-7S-W	For 7" displays - Ultra Compact	£418.80
715-SPD-8-W	For 8" displays - slim back	£438.00
715-SPD-9-W	For 9" displays - slim back	£438.00
715-SPD-12-W	For 10-12" displays - slim back	£522.00
715-SPD-13-W	For 13" displays - slim back	£522.00
715-SPD-15D-W	For 10-12" displays	£718.80
715-SPDB	Adjustable base unit only	£273.60

Solve the challenge of finding a level mounting surface to install displays onto your powerboat, commercial vessel, RIB or sailboat wheelhouse.

- Quick release lever enables you to alter the angle of the screen quickly
- Adjustable base allows a range of movement & multiple mounting angles

360° SWIVEL & TILT

	A	B	C	D	E	F
SPD-7S-W	218	141	240	159	275	196
SPD-7-W	218	141	240	159	275	196
SPD-8-W	267	167	289	190	324	228
SPD-9-W	314	185	336	207	374	243
SPD-12-W	333	227	355	245	392	286
SPD-13-W	351	228	373	246	409	287
SPD-15D-W	423	333	424	349	482	396

Max cut-out area

ø100
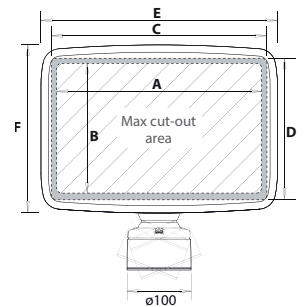
Mast Pod

715-SPM-3I-W	To fit 3 Instrument	£483.60

Whether racing or cruising, Mast Pods give you the best view of your instruments.

- Universal Mount - Fits mast sizes from 76 to 223mm
- Rigid Install - Mast arms pivot around semi circular washers & a cross-brace prevents sideways movement of the pod

	A	B	C	D	E	F
SPM-3i-W	140	390	118	368	181	432

Max cut-out area

SCANSTRUT
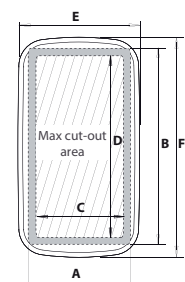
ROKK Charge+ Waterproof USB Socket

715-SC-USB-02	**£42.30**

The ultimate rapid waterproof USB charger with dual socket connectivity that can charge devices up to 3x faster than standard USB sockets. Featuring a click & lock lid and ultra low profile, the ROKK charge+ is perfect for any outdoor application.

- Universal fit for any USB Type-A connector
- Charge up to 2 devices at a time
- IPX6 waterproof with cover closed and with or without cables plugged in
- 1.5A: up to 3x faster than standard USB sockets
- Marine Ready - Anti-corrosion coating and UV resistant
- Ultra low profile: only 29mm high, 94mm long
- Standard barrel size also fits existing USB socket

ROKK Waterproof Dual USB Charge Socket 12-24V

715-SC-USB-01	**£28.92**

- Waterproof onboard charging, whatever the weather
- Dual socket will connect and charge devices incl. phones, tablets, fish finders, chart plotters and more
- The socket is perfect for installing onto kayaks, RIBs, sail and powerboats of any size
- IPX4 Waterproof (Spray, Splash & Rain Proof)

SEE PAGE 108 FOR ROKK WIRELESS CHARGERS

Cable Seals

Gray

715-DS6-P	Micro	**£11.40**
715-DS16-P	Mini	**£17.70**
715-DS21A-P	Small	**£21.48**
715-DS21B-P	Small	**£21.48**
715-DS30-P	Medium	**£24.30**
715-DS40-P	Large	**£26.28**

Black

715-DS6-P-BLK	Micro	**£11.40**
715-DS16-P-BLK	Mini	**£17.70**
715-DS21A-P-BLK	Small	**£21.48**
715-DS21B-P-BLK	Small	**£21.48**
715-DS30-P-BLK	Medium	**£24.30**
715-DS40-P-BLK	Large	**£26.28**

Stainless Steel

715-DS16-S	Mini	**£38.94**
715-DS21A-S	Small	**£43.80**
715-DS21B-S	Small	**£43.80**
715-DS30-S	Medium	**£55.74**
715-DS40-S	Large	**£72.30**

The only guaranteed and proven watertight installation for your antenna and navlight cables.

- Intuitive Design - A low profile shape makes for a stronger, impact resistant seal; no sharp edges to hit your foot on
- Easy Install - Each cable seal supplied with blank & pre-drilled inner seals to suit your requirements
- No need to remove **Connectors** - Split seal eliminates need to remove cable connectors during installation
- Choice of Finish - All models are available in impact resistant, UV stable plastic or Marine Grade 316 Stainless Steel

		Cable Size (mm)			
		2-8	**4-9**	**9-14**	**12-15**
Connector Size	Up to 16 mm Ø	DS16			
	Up to 21 mm Ø		DS21A	DS21B	
	Up to 30 mm Ø			DS30	
	Up to 40 mm Ø				DS40

(Add -P for Plastic,-P-BLK for Black or -S for Stainless Steel e.g: DS16-P)

Multi Cable Seal

715-DS-Multi-S	**£62.28**

- Fit multiple cables up to 15mm (0.59") diameter in one installation
- Supplied with an undrilled seal
- Marine grade aluminium with a hard anodised finish to resist impact marks

Horizontal Cable Seal

715-DS-H6	For cables 2-6mm	**£15.48**
715-DS-H10	For cables 6-10mm	**£21.90**
715-DS-H6-BLK	Black - For cables 2-6mm	**£15.48**
715-DS-H10-BLK	Black - For cables 6-10mm	**£21.90**

- An aesthetic dome-shaped profile provides a stronger, impact resistant design
- Captive nuts in the base make for an easy assembly
- Supplied with multiple pre-drilled bungs.

Through Bulkhead Cable Seal

715-TBH-4	For 4 x 16mm cables	**£36.00**
715-TBH-10	For 10 x 7mm cables	**£36.00**

Eliminate time consuming, sub-standard routing of electrical cables through watertight bulkheads.

- Fit up to 10 cables to any bulkhead from 10mm to 35mm diameter
- Easy Install - Can be completed by just one person from one side of the bulkhead
- Moulded in high strength nylon with an over-moulded internal seal

Junction Box

715-SB-2G	Cable Seal Pack (incl. 2 seals per pack)	**£8.82**
715-SB-8-5	'Standard' version	**£23.10**
715-SB-8-10	'Deluxe' version	**£38.70**

IP66 watertight connection for all marine electrical cables.

- **Choose Your Size** - Choice of 'standard' box with 5 screw-down terminals or a 'deluxe' version which includes 10 fast-fit terminals for a quicker install
- **Install Options** - Fit directly to a chosen surface. A mounting bracket is included to allow easy removal for inspection

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

SCANSTRUT

Modular Dual PowerTower

Mount multiple electronics together on one space saving mount and remove the need for an additional dummy satcom dome to balance the look of your install.

Installing the satcom antenna or camera above the radar eliminates antenna interference and ensures maximum performance from both applications.

The new versatile modular system allows for a multiple choice of electronics to be mounted. Marine Grade Aluminium Powder Coated design to guarantee maximum performance.

New Modular Design

- Step 1 - Choose your mount
- Step 2 - Choose your Radar/Open Array plate
- Step 3 - Choose your Satcom or Camera plate
- Step 4 - Choose your Light Bar

PowerTower®

For 2kW and 4kW radomes and open array antenna.

- For cabin roof, flybridge or radar arch mount
- Pre-drilled mounting holes for quick and easy installation
- Antenna fastens to PowerTower using own mounting bolts
- Watertight base seal included so no need for messy sealant

Composite PowerTower®

- 30° aft leaning profile
- 150 / 300mm height options

Aluminium PowerTower®

- 30° aft leaning profile
- 150 / 250mm height options
- Integral Deck Seal for watertight cable routing
- Black options available

Stainless PowerTower®

- 30° aft leaning profile
- Small base footprint, just 150mm square
- Raises antenna by 150mm

Camera PowerTower®

- Aluminium PowerTower for popular infra-red cameras & search lights
- 150 / 300mm height options
- **New design for FLIR M300 Series**

See website for details

Satcom PowerTower®

- For 30cm, 40cm & 60cm satcom antennas.
- Raises antenna by 300mm for maximum performance
- Two models available:
  - Stainless - 30° aft leaning profile
  - Aluminium - Vertical profile

Unpowered Hinge System

715-HS-01	**£495.60**

For Single PowerTower® and Satcom PowerTower® up to 40cm Satcom.

Safely pivots your installation through 180° to reduce height for road transport, when passing under bridges and to aid boat stacking / storage out of season.

Modular Dual PowerTower

Mount

715-DPT-R	Dual PowerTower Mount (Radome)	**£574.80**
715-DPT-OA	Dual PowerTower Mount (Open Array)	**£704.40**
715-DPT-R-COMP	Dual PowerTower Mount (Radome) (compact)	**£550.80**

Plates - Radar / Open Array

715-DPT-R-PLATE-01	Radome plate 1 - Raymarine, Garmin, B&G, Simrad and Lowrance radomes	**£94.80**
715-DPT-R-PLATE-02	Radome plate 2 - Furuno radomes	**£94.80**
715-DPT-OA-PLATE-01	Open Array plate 1 - For all Open Array Radar models	**£139.20**

Plates - Satcom / Camera

715-DPT-C-PLATE-01	Camera plate 1 (Cameras and searchlights)	**£160.20**
715-DPT-C-PLATE-02	Camera plate 2 (M100/200)	**£160.20**
715-DPT-S-PLATE-01	Satcom plate 1 (30cm domes)	**£124.80**
715-DPT-S-PLATE-02	Satcom plate 2 (45cm domes)	**£187.20**
715-DPT-S-PLATE-03	Satcom plate 3 (60cm domes)	**£274.80**

Light Bars

715-DPT-LB-01	Central Lightbar (for use with up to 45cm dome)	**£214.80**
715-DPT-LB-02	Central Lightbar (for use with up to 60cm dome)	**£234.00**

PowerTower

PowerTower® - Composite

715-PT2001	14" (350mm) for radomes*	**£454.80**
715-PT2004	6" (150mm) for radomes*	**£427.20**
715-PT2005	6" (150mm) for radomes**	**£427.20**

PowerTower® - Stainless Steel

715-SPT1001	6" (150mm) for radomes*	**£378.00**
715-SPT1002	6" (150mm) for radomes**	**£378.00**

PowerTower® - Aluminium

715-APT-150-01	6" (150mm) for radomes	**£334.80**
715-APT-150-01-BLK	6" (150mm) for radomes - Black	**£334.80**
715-APT-250-01	10" (250mm) for radomes	**£358.80**
715-APT-250-01-BLK	10" (250mm) for radomes - Black	**£358.80**
715-APT6002	6" (150mm) for open array*	**£423.60**
715-APT6003	6" (150mm) for open array***	**£423.60**

*	Compatible with 2kW/4kW Raymarine / Garmin / Navico BR 24
**	For all other 2kW/4kW radomes
***	All other 4ft open array radars

PowerTower® Accessories

715-SC110	Nav Light Bar - fits Perko 220 series, AquaSignal 25 & 40 series	**£138.00**
715-SC111	GPS / VHF / Navtex bar (Starboard mounted)	**£138.00**
715-SC112	GPS / VHF / Navtex bar (Port mounted)	**£138.00**
715-SC113	Integrated Nav Light mount - Hella NaviLED 360 - all round white light	**£312.00**
715-SPT2010	4° Base Wedge for Stainless PowerTower	**£94.80**
715-PT3010	4° Base Wedge for Comp. & Aluminium P/Tower	**£91.80**
715-APT-GPS-01	Central Antenna Bar (1" x 14 TPI thread)	**£158.40**
715-APT-LB-01	Central Light Bar	**£158.40**
715-APT-LB-01-BLK	Central Light Bar - Black	**£158.40**
715-APT-LB-GPS2	Central Bar & wing plate for 2 Antennas & 1 NavLight	**£259.20**

Navlight Gantry Mount for Dual PowerTower

715-SC114-40	Navlight gantry mount for DPT-SR/SO-40	**£619.20**
715-SC114-60	Navlight gantry mount for DPT-SR/SO-60	**£714.00**

Radar Base Wedge

715-WD-OPNARY01	For Open Array Mount	**£144.00**
715-WD-RAD-01	For Radome Mount	**£144.00**

A tough, marine-grade, UV stable wedge that angles the radar down 4° below horizontal to provide a level horizon for your radar when the boat is underway.

Compatible with radars from: Garmin, Lowrance, Raymarine, Furuno, JRC, Simrad & many more

Base Wedge for Radome

SCANSTRUT

SC100 Pole Mount

A versatile pole mount for deck or transom mounting. No customisation or adjustment required.

- Choice of Heights
- 1.9m (6.4') recommended for level deck mounting
- 2.5m (8.3') recommended for sloping transoms
- Hidden Cables - Accommodates 2 cable channels with a cover strip to hold cables in place & out of view
- Additional Support - Two supports provide maximum fore/aft and sideways support
- Easy Storage - Unscrew base and remove pole for racing or winter storage, leaving just a low profile base on deck
- Adjustable Base - Allows installation on a surface up to 90 degrees

SC2 Pole Mount

Offering a 100% reliability track record through the toughest sailing conditions, making it the perfect choice for offshore sailors the world over.

- Deck Mounted - Ideal for installation on decks, cabin roofs, low arches and other areas where minimal elevation is required
- Through Deck Mounted - Perfect for blue water yachting & designed for yachts from 12m (40') upwards

An additional Satcom Antenna Mount will be required to install 40cm & 60cm satcom antenna.

Self-Levelling Radar Mounts

Ensures radar is level with horizon at all times, preventing target loss for best possible picture. Single GPS / VHF accessory available

Mast
- Weighs only 3.4kg
- Fine tune adjustment for different mast rake angles

Forestay / Backstay
- Options to mount fore or aft of backstay
- Suitable for single and split backstays

Pole
- Universal pole, can be deck or transom mounted
- Option to install additional satcom antennas above radar

Mast Mounts

- For 2kW and 4kW radomes or 30cm & 40cm satcom antennas.
- Easy & quick to install, all fastenings supplied
- Attach to any mast with four swivel feet
- 12 point fixing using high quality monel rivets

SC20

M92722

SC100 Pole Mount

715-SC101	1.9m pole - for Radomes* or 30cm satcom	£883.20
715-SC102	2.5m pole - for Radomes* or 30cm satcom	£925.20
715-SC103	1.9m pole - for Radomes**	£883.20
715-SC104	2.5m pole - for Radomes**	£925.20
715-SC105-35	1.9m pole - for Radomes****	£1,148.40
715-SC106-35	2.5m pole - for Radomes****	£1,188.00
715-SC107	1.9m pole - for Iridium Pilot Antenna	£919.20
715-SC109	2.5m pole - for Iridium Pilot Antenna	£962.40

* Compatible with 2kW/4kW Raymarine / Garmin / Navico BR 24
** For all other 2kW/4kW radomes
**** Raymarine (4') & for Furuno (2') open arrays

Self-Levelling Radar Mounts

715-LMM-1	Mast mounted *	£912.00
715-LMM-2	Mast mounted **	£912.00
715-LMB-F1	Backstay mounted - Fwd *	£1,438.80
715-LMB-F2	Backstay mounted - Fwd **	£1,438.80
715-LMB-A1	Backstay mounted - Aft *	£1,438.80
715-LMB-A2	Backstay mounted - Aft **	£1,438.80
715-LMP-1	Pole mounted *	£1,861.20
715-LMP-2	Pole mounted **	£1,861.20

* For 2kW/4kW Raymarine / Garmin / Navico BR 24
** For all other 2kW/4kW radomes

Mast Mounts

715-SC18	Small	£254.40
715-SC12	Medium	£259.20
715-SC20	For 18" radomes	£306.00
715-SC21	For 24" radomes	£346.80
715-M92722	For Raymarine RD418D/HD	£358.80
715-M92698	For Raymarine RD424D/HD	£398.40

Tapered Radar Mast - for radomes, lights, cameras, GPS/ VHF antenna

715-PTM-R1-1	For 2kW/4kW Raymarine / Garmin / Navico BR 24	£1,746.00
715-PTM-R1-2	For all other 2kW/4kW radomes	£1,746.00

Satcom Antenna Mount

715-SC30	For KVH M1/FB150/250, Raymarine 33STV & Intellian i1/2	£184.80
715-SC35	For KVH M2/3, Raym. 37STV, Intellian i3 & Seatel Coastal 14	£250.80
715-SC45	For KVH M5/G4 & SeaTel Coastal 18/24/30	£314.40
715-SC45R	For Raymarine 45STV & Intellian i4	£368.40
715-SC65	For KVH M7/G6, Raymarine STV60 & Intellian i6	£349.20
715-SC80	For KVH G8/M9	£1,104.00

Tapered Mast

Single combination mount for multiple marine electronics. Each item is positioned for maximum performance.

- Multiple Install - Install up to 4 GPS/ VHF antennas
- Options to mount your radome with either a camera or satcom in the same installation
- Removable wings for safe low cost shipping
- Cables hidden from view
- Option to fit search light or camera

Satcom Antenna Mount

For 30cm, 40cm, 60cm and 80cm satcom antennas.

- Reduces your satcom antenna footprint size by up to 60%
- Ideal for boats with limited mounting space
- **Strong & Long Lasting** - Single piece composite GRP moulding for high strength
- **Corrosion resistant**
- **Watertight** - Seal fits between the mount & antenna to ensure a watertight installation
- **Easy Access** - Antenna fixings are external to aid installation and maintenance
- **Additional Mounting Options** - Stainless Steel mounts available to install larger KVH M9 & Intellian i9 antenna

SCANSTRUT
ROK**K**

WATERPROOF WIRELESS CHARGING

ROKK Wireless - Edge

| 715-SC-CW-05E | **£166.80** |

Edge securely holds and wirelessly charges your phone even in the toughest outdoor conditions. Now you can keep your phone in sight, fully charged and ready to go…

- Easily rotate mounted phone from portrait to landscape or simply fine tune the optimum viewing angle
- 12/24V and IPX6 waterproof
- Easily dock and instantly charge compatible phones wirelessly
- Self-aligning, high-grip jaws accommodates all wireless charging phones and securely hold devices in the optimum charging position every time
- Install on any surface: a secure 3-point fixing system and a footprint of just 50mm (1.96") diameter and a watertight cable pass-through
- Qi-certified wireless charging
- Tested for the harshest environmental, thermal, vibration, impact and on-water conditions, Edge is the best and only choice to make when it comes to mounting and wirelessly charging phones outdoors.

ROKK Wireless Active

| 715-SC-CW-04E | **£138.00** |

Working directly with a 12/24V power supply, Scanstrut ROKK Wireless Active securely holds and wirelessly charges your phone even in the toughest conditions Mount your phone exactly where you need it – inside or out.

Self-aligning, high-grip jaws fit a wide range of phone sizes and securely hold your device.

Fully sealed, IPX6 waterproofing means you can now wirelessly charge your phone anywhere outdoors, anywhere on-board.

Four mounting screws and a watertight cable pass-through make for a simple installation.

- Easy to clean, just wash down with fresh water.
- One-handed dock/charge operation
- Instant charging. No connection needed
- 12/24V input compatible
- IPX6 Waterproof
- Self-aligning grips securely hold your phone
- Qi-certified wireless charging
- Compatible with wide range of device sizes from Apple, Samsung and many more
- Quick and simple waterproof install on any fl at surface
- Charges through non-metallic waterproof cases up to 3mm thick (0.11")

ROKK Wireless - Nest

| 715-SC-CW-06E | **£107.94** |

NEW 2021

12/24V Waterproof Wireless Charging Pocket

Nest safely houses & wirelessly charges your phone at the same time. Now you can keep your phone in a safe place onboard, tucked away, charged and ready to go!

- 12/24V input compatible.
- IPX6 Waterproof
- Easy installation
- Designed to fit in with any boat design ascetics
- Instant charging. No connection needed.
- Qi-certified wireless charging.
- Foreign object detection system
- Thermal management system
- UV stable
- Charges through non-metallic waterproof cases up to 3mm thick

ROKK Wireless - Sub

| 715-SC-CW-07E | **£71.94** |

NEW 2021

12V/24V Waterproof Wireless Integrated Charging

The world's first waterproof wireless charge system created specifically for use onboard, with the unique technology is housed in an IPX6, fully encapsulated and sealed unit.

- 12/24V input compatible.
- IPX6 Waterproof.
- Qi-certified wireless charging.
- Compatible with all Qi Wirelessly charging electronics.
- Charges through non-metallic waterproof cases up to 3mm thick

ROKK Surface Chargers

- ROKK wireless is designed to work with most slimline phone cases up to 3mm.
- 3 easy installation options - No sealant required
- Foreign object detection system
- Thermal management system

- IPX6 waterproof sealed unit
- Qi™ Compatibility - a wireless technology using inductive charging
- High friction non-slip pad
- UV stable marine grade materials
- Certifications : IPX6, QI™, ROHS, CE

Hidden

| 715-SC-CW-01E | **£69.98** |

Surface

| 715-SC-CW-02E | **£74.99** |

Bezel

| 715-SC-CW-03E | **£79.99** |

SCANSTRUT
ROKK

1. ROKK Top Plate

715-RL-501	Humminbird PiranhaMax range	£13.92
715-RL-502	Garmin ECHOMAP 45 / Striker 4, 5, 7 / 158	£13.92
715-RL-503	Lowrance Mark5 / Elite 5 Ti2 / 7 Ti2	£13.92
715-RL-504	Lowrance HDS 7 / 9 / Elite 9 Ti2 / B&G Zeus 7 / 8 / 9	£13.92
715-RL-505	AMPS Universal	£13.92
715-RL-506	Humminbird Helix 5	£13.92
715-RL-507	Garmin ECHOMAP 6 / 7 / 9 / Striker Plus 9	£13.92

715-RL-508	Universal Tablet Clamp	£28.32
715-RL-509	Universal Phone Clamp	£25.32
715-RL-510	GoPro; Garmin VIRB X / XE Plate	£12.72
715-RL-511	1/4" Camera Plate	£12.72
715-RL-512	Raymarine Dragonfly 4/5/ 7 Pro Plate	£12.72
715-RL-513	Universal Self Drill Top Drill Plate	£17.70

GoPro

1/4" Camera

Small Device

Tablet

4-5" Displays

2. ROKK Mini Body

(Select Top Plate from 1. for your electronic) Rated for devices under 3kg. Now select mini base (3).

715-RLS-AM	Adjustable Body	£35.52

3. ROKK Mini Base Mounts

715-RLS-401	Surface Mount	£12.24
715-RLS-402	Rail Mount	£22.50
715-RLS-403	Cable Tie Mount	£17.58
715-RLS-404	Self Adhesive Surface Mount	£17.58
715-RLS-405	Suction Cup Mount	£24.60

Surface Mount
- Screw Down Base Mount
- Fits to any flat surface to suit every type of installation

Self-Adhesive
- 3M Self-Adhesive Base Mount
- Fits any flat surface
- No drilling required to install

Rail Mount
- Fits a wide range of rails from 19mm to 34mm (3/4" to 1 1/4")
- Includes 3 x Soft Grip Rail Pad Inserts for the perfect fit

Cable-Tie
- Over Size Rail Mount Base
- Fits wide range of non standard rail sizes
- Includes soft rail grip pad inserts

Suction Cup
- Suction Cup Base is engineered better for longer lasting grip.
- Fits to any rigid, clean, smooth, non-textured surface

ROKK Mini Starter Kits - Includes 1-2-3 elements

715-RLS-508-401	Tablet with Screw Down Base	£76.08
715-RLS-508-402	Tablet with Rail Mount	£86.34
715-RLS-508-403	Tablet with Cable Tie Mount	£81.42
715-RLS-508-404	Tablet with Self-Adhesive Base	£81.42
715-RLS-508-405	Tablet with Suction Cup Base	£88.44
715-RLS-509-401	Phone with Screw Down Base	£73.08
715-RLS-509-402	Phone with Rail Mount	£83.34
715-RLS-509-403	Phone with Cable Tie Mount	£78.42
715-RLS-509-404	Phone with Self Adhesive Base	£78.42
715-RLS-509-405	Phone with Suction Cup Base	£85.44
715-RLS-521-402	Hook2 Pro Mount Kit Screw Rail Base	£66.65
715-RLS-521-407	Hook2 Pro Mount Kit Kayak Track Base	£68.16

2 & 3. ROKK Midi Body with Base (Rated for devices over 1.2kg)

715-RL-ADM	Adjustable Deck Mount	£73.08
715-RL-ARM	Adjustable Rail Mount	£88.20
715-RL-RM	Rail Mount	£34.14
715-RL-ARB	Adjustable Mount for Railblaza Starport	£73.08

Adjustable Deck Mount

Adjustable Rail Mount

Rail Mount

Adjustable Mount for Railblaza Starport

Tablet with Rail Mount

Phone with Suction Cup Base

Hook2 Pro Mount Kit Screw Rail Base

ROKK Mini Accessories

715-RL-TETH	Safety Tether	£12.90

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

VHF ANTENNAS

Antennas Quick Connect

818-QC-2	0.45m S/S whip	£49.65
818-QC-3	0.91m S/S whip	£49.65
818-QC-3N	0.91m S/S whip	£45.02
818-QC-4	1.21m White fibreglass	£65.83

Mounts Quick Connect with Cable

818-QCM-S	SS Ratchet Mount	£72.83
818-QCM-N	Nylon Ratchet Mount	£41.37
818-QCM-SR	SS Rail Mount	£88.80
818-QCM-NR	Nylon Rail Mount	£39.43
818-QC-4710	S/S Deck	£34.42

- Simply unscrew or screw antenna to disconnect or connect
- High quality connection - No noise from vibrations
- Protection cap protects the connector when not in use
- Centerpin PL-259-CP-G Connector - Easy crimp-on type
- Standard mount design - Upgrade to a high-end Shakespeare antenna without purchasing a new mount

QUICK CONNECT™

Mounts	818-QCM-S	QCM-SR	QCM-N	QCM-NR	QC-4710
Mount Material	Stainless Steel	Stainless Steel	Nylon	Nylon	Stainless Steel
Mount Type	Ratchet	Ratchet Rail	Ratchet	Ratchet Rail	Deck Mount
Coax Supplied	20ft / 6.09m of RG-58				

Antennas		818-QC-2	818-QC-3 818-QC-3N	818-QC-4
Height		1.48ft / 0.45m	3ft / 0.91m	4ft / 1.21m
Gain		2dB	3dB	3dB
Ferrule	Nylon		QC-3N	
	Chrome	●	QC-3	●
VSWR		<1.5 at 156.8 MHz		
Bandwidth		5 MHz within 2.0:1 VSWR		

818-HA156C	£65.66
818-HA156C-3PK	£196.99

1dBi GAIN ↕ **0.15 m**

- Heliflex stub antenna
- Ultra lightweight & unobtrusive
- Integral aluminium masthead fitting
- 20m RG-58 cable & PL259 plug
- Suitable for R.I.B.s
- Also available in a 3 pack

818-MD23	£123.02
818-MD23N	£134.04

1dBi GAIN ↕ **0.3 m**

- Lightweight (0.3 kg)
- Low windage & unobtrusive
- 150mm aluminium bracket
- **MD23 :** 20m RG-58 cable & PL259 plug
- Suitable for R.I.B.s

MD23N : See page 115 for 10m RG-58 cable inc. N-Type plug & Shroud (818-10MNTYCABLE)

818-YRR	Black	£83.63
818-YRR-3PK	Black	£250.88

1dBi GAIN ↕ **0.48 m**

- Short helical VHF antenna
- Black stainless steel
- Solderless connector system
- 8m RG-58 cable & PL259 plug
- Suitable for R.I.B.s
- Also available in a 3 pack

818-MD20-6M	£86.40
818-MD20	£104.64
818-MD20N	£111.84

3dBi GAIN ↕ **0.9 m**

- Heavy-duty stainless steel whip
- Ideal for sail and power boats
- Sealed electronics, watertight, strong & lightweight (0.2 kg)
- **MD20-6M :** 6m RG-58 cable, PL-259 connector & 180mm aluminium bracket
- **MD20 :** As MD20-6M but with 20m RG-58 cable

MD23N : See page 115 for 10m RG-58 cable inc. N-Type plug & Shroud (818-10MNTYCABLE)

818-YHK	£101.18
818-YHK-3PK	£303.55

3dBi GAIN ↕ **0.9 m**

- YHK Hawk
- Stainless steel VHF whip with Hawk wind indicator
- Lightweight & Low windage
- 150mm flat masthead bracket
- Solderless connector
- 20m RG-58 cable & PL-259 plug
- Suitable for Sailboats
- Also available in a 3 pack
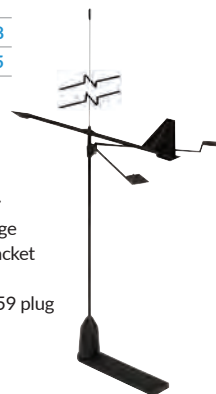
818-YWX	£72.01
818-YWX-3PK	£216.04

3dBi GAIN ↕ **0.9 m**

- Whipflex stainless steel
- Lightweight & low windage
- 180mm nylon cranked masthead bracket
- Solderless connector
- 20m RG-58 cable & PL-259 plug
- Suitable for Sailboats
- Also available in a 3 pack

818-5250D	£73.03

3dBi GAIN ↕ **0.9 m**

- Skinny Mini
- Stainless steel lightweight whip VHF antenna
- Chrome plated brass base ferrule
- 4.5m of RG58 cable plus PL-259 plug included
- Standard 1"x14 thread

818-5215D	£64.69

3dBi GAIN ↕ **0.9 m**

- Squatty Body
- Lightweight, low profile, stainless steel VHF whip
- Designed for masthead mounting
- PL-259 connector
- Stainless steel "L" bracket

See page 115 for cable packs YCP08, YCP20 and ACC151 add ons

818-5241-R	£91.24

3dBi GAIN ↕ **0.9 m**

- Heavy Duty stainless steel VHF whip
- Convenient, press-and-twist, bayonet fit whip for quick removal
- For sports boats, small fishing boats, etc
- PL-259 connector

See page 115 for cable packs YCP08, YCP20 and ACC151 add ons

818-5247AD — £70.82

3dBi GAIN ↕ 0.9 m

- Heavy Duty stainless steel VHF whip with 'Lift N Lay' action
- For sports boats, small fishing boats, etc
- PL-259 connector
- 'L' bracket

See page 115 for cable packs YCP08, YCP20 and ACC151 add ons

818-426-N — £68.40

3dBi GAIN ↕ 1.2 m

- Fibreglass VHF antenna with nylon ferrule
- Quality copper cable elements for good range and efficiency
- Mounting: 1" x 14 TPI thread
- 6m RG-5 cable & PL-259 connector
- Suggested mount: 495 Lift 'n' Lay mount or 4186 ratchet mount

818-1200-V — £95.46

3dBi GAIN ↕ 1.2 m

- White fibreglass VHF antenna
- Designed for performance
- 1"-11 BSP thread (fits any 1"-11 mount)
- UHF (SO239) connector in base
- Suggested mount : MDM70-11

See page 115 for cable packs YCP08, YCP20 and ACC151 add ons

Twin to 5120S AM/FM

818-5104 — £72.00

3dBi GAIN ↕ 1.2 m

- Durable, high-gloss white finish
- 1 Section
- Chrome-plated brass ferrule with standard 1"-14 thread
- 4.5m RG58 cable & PL259 plug

Twin to 5120S AM/FM

818-427-N (RV120P) — £69.35
818-427-S (RV120) — £88.85

3dBi GAIN ↕ 1.5 m

- White fibreglass VHF
- **427-S** : Stainless Steel Ferrule
- **427-N** : Polycarbonate Ferrule
- Ideal for small power boats & work boats
- 1" x 14 TPI thread
- 6m RG58 cable & PL259 plug

818-427-N-KIT (MD10S) — £78.08
818-427-N-KIT-3PK — £234.25

3dBi GAIN ↕ 1.5 m

- Fibreglass VHF antenna with white polycarbonate ferrule
- For small power boats & work boats
- White nylon Ratchet Mount
- 6m RG58 cable & PL259 plug

818-5101S (RV240) — £93.65

6dBi GAIN ↕ 2.4 m

- Fibreglass VHF with stainless steel ferrule
- For large power boats & small ships
- White tapered fibreglass tube
- 1" x 14 TPI thread
- 6m RG58 cable & PL259 plug

Twin to 5120S AM/FM

818-399-1 — £278.70
818-4018 — £450.66

6dBi GAIN ↕ 3.0 m
9dBi GAIN ↕ 5.8 m

- Heavy Duty, 2-section, fibreglass antenna
- 399-1 : 2 Sections: base 1.9m, tip 1m (shippable)
- 4018 : 2 Sections: base 4.1m, tip 1.7m
- Chrome-plated brass ferrule with 1"-14 thread
- RG-58 cable with PL-259 (4.5m 399-1/6m 4018)
- Mount kit sold separately (409-R or 410-R)

818-399-1M — £291.70
818-4018-M — £450.66

9dBi GAIN ↕ 3.0 m
9dBi GAIN ↕ 5.8 m

- Heavy Duty, 2-section, fibreglass antenna
- 399-1M : 2 Sections: base 1.9m, tip 1m. (shippable)
- 4018-M : 2 Sections: base 4.1m, tip 1.7m
- Chrome-plated brass ferrule with 1"-14 thread
- RG-58 cable with PL-259 (4.5m 399-1M/6m 4018-M)
- 1¾" U-bolts supplied or use optional 4715 mounting clamps

COMMERCIAL VHF ANTENNAS

818-MD70 — £179.47

3dBi GAIN ↕ 1.5 m

- Tapered fibreglass tube
- Cast aluminium integral base & white glass finish + 'U' bolts
- Horizontal & vertical pole mounting
- 0.3m RG213 cable fitted with 'N' jack

818-MD7A — £207.30
818-MD15 — £227.94

3dBi GAIN ↕ 1.6 m
6dBi GAIN ↕ 2.75 m

- Heavy Duty marine VHF dipole
- Rugged fibreglass tube
- Two 4715 clamps
- 1m RG213 cable fitted with 'N' jack

GALAXY VHF SILVER SERIES

GALAXY®

			GAIN	Height
818-5400-XP	1.2m	£158.42	3dBi	↕ 1.2 m
818-5225-XP	2.4m	£265.81	6dBi	↕ 2.4 m

- Heavy Duty, high gloss, white fibreglass VHF antenna
- Copper & silver plated brass elements for extra range & efficiency
- Polished stainless steel ferrule with 1"-14 thread
- 6m RG-8/X extra low-loss cable plus PL-259 connector
- Suggested mounts: 4187 or 5187

GALAXY VHF

GALAXY®

			GAIN	Height
818-5400-XT	1.2m - White	£139.03	3dBi	↕ 1.2 m
818-5401XT	1.2m - Black	£107.28		
818-5225-XT	2.4m - White	£158.76	6dBi	↕ 2.4 m
818-5226-XT	2.4m - Black	£159.07		

- Heavy Duty, high gloss Galaxy finish, fibreglass
- Polished stainless steel ferrule with 1"-14 thread
- 6m RG-8/X extra low-loss cable plus a PL-259 connector

5400-XT - Twin to 5420-XT AM/FM

SHAKESPEARE

Galaxy INFL8 Inflatable VHF Antenna

818-INFL8	£149.99

Multi award winning Galaxy INFL8 VHF antenna. Greater reach in an emergency when you need it most.

- Rapid deployment in emergency situations
- Inflates to 1.5m
- 3 x Greater range than existing helical emergency antennas
- Versatile mounting options through Straps & Grommets along the edges
- Manually Inflatable*
- Compatible with most fixed mount and handheld VHF Radios**

DAME DESIGN AWARD

ecm awards sea WORK

MIAMI 2019 INNOVATION AWARDS WINNER
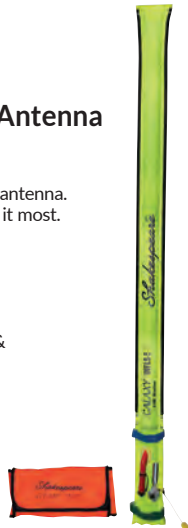
* When manually inflated, the product does not inflate to be rigid enough to be mounted free standing. Recommended only if antenna can be supported at the bottom and the top.

** For hand held radios, check with your radio manufacturer for compatibility with the included adaptor. The adaptor features an SMA male.

IDEAL FOR....

KAYAKS

INFLATABLES

YACHTS

JET-SKIS

818-SL156	£87.73

UNITY GAIN | 0.4 m

- **Handheld Emergency VHF antenna**
- Sealed in waterproof container
- Easily stores on bulkhead or in flare pack
- Compulsory for R.O.R.C. racing
- 0.24m closed, 0.4 open
- 6m RG-174 cable & PL259 plug

818-5911	£68.14

UNITY GAIN | 0.25 m

- **Suction Mount Emergency VHF whip antenna**
- 3.6m cable, connector & easy mounting rubber suction cup
- Flexible vinyl outer covering

818-5218	£56.38

UNITY GAIN | 0.48 m

- **Magnetic Mount Stainless Steel VHF whip**
- 4.5m RG58 cable with PL259 connector
- Quick to set up & detach
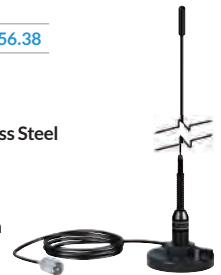
AIS ANTENNAS

818-MD23-AIS	£123.02

UNITY GAIN | 0.3 m

- Low profile short helical
- Ground plane not required
- Over-moulded helical
- 180mm aluminium bracket
- 20m RG58 cable with PL259 plug

818-AIS-MAST	£91.16

3dBi GAIN | 0.9 m

- Lightweight, low windage stainless steel whip
- 180mm cranked nylon bracket for masthead mounting
- 20m RG58 cable & PL259 plug
- Solderless connector

818-5215-AIS	£65.29

3dBi GAIN | 0.9 m

- Lightweight, low profile, 'Squatty Body' stainless steel whip for masthead mounting
- PL-259 connector

See page 115 for cable packs YCP08, YCP20 and ACC151 add ons

818-5250-AIS	£73.03

3dBi GAIN | 0.9 m

- Stainless steel lightweight 'Skinny Mini' whip
- Chrome plated brass base ferrule
- 4.5m RG58 cable & PL-259 plug
- Standard 1"x14 thread (Requires mount with centre hole for cable)

818-AIS-COM	£209.71

3dBi GAIN | 1.6 m

- Commercial fibreglass
- Closed cell foam and epoxy resin sealed
- Complete with two 4715 clamps
- 1m RG213 cable fitted with 'N' jack

818-5225-XT-AIS	£158.76

6dBi GAIN | 2.4 m

- Commercial fibreglass
- High-gloss, non-yellowing polyurethane finish
- Stainless steel ferrule with 1" – 14 thread
- 6m RG8X cable & PL-259 plug
- Suggested mount: 4187 or 5187

SSB ANTENNAS

818-5390	5.5m 2 piece	£711.48
818-390	7.0m 2 piece	£298.42
818-393	7.0m 3 piece	£409.25

5.5 m | 7.0 m | UP TO 1kW

- Extra Heavy Duty, high gloss, fibreglass SSB whip
- Full length conductors, no loading coil
- Reinforced insulation to allow input power up to 1 KW
- Side-feed termination band
- 6m RG-8/X extra low-loss cable plus a PL-259 connector
- **5390 :** 2 sections: Base 2.66m, Tip 2.66m
- **390 :** 2 sections: Base 4.1m, Tip 2.8m
- **393 :** 3 sections: Base 2.3m, Centre 2.3m, Tip 2.3m
- Mount kit sold separately. (409-R or 410-R)
- **5390 :** Stainless steel ferrule,1"-14 thread
- **390 / 393 :** Chrome-plated brass ferrules, 1"-14 thread

818-390-1	7.0m	£354.89

7.0 m | UP TO 1kW

- Heavy Duty fibreglass SSB whip
- Conductors running full-length (no loading coil)
- Input power up to 1 kW
- Conductors permanently sealed in white Fibreglass
- Side feed termination band
- Two sections: Base 4.1m, Tip 2.8m
- Self supporting base

SSB Mount Options

818-410R	£76.86

- Heavy Duty mounting kit
- Chrome plated
- 4 Way
- 1"-14 thread

818-409-R	£132.04

- Heavy Duty mounting kit
- Stainless steel
- Dual Joint
- 1"-14 thread

SHAKESPEARE
112
www.smgeurope.com
01752 241010
sales@smgeurope.com

SHAKESPEARE

818-4353 £44.48

- 'On-Glass'
- Windscreen mount
- 60cm clear tape with embedded antenna
- 1.8m cable and AM/FM plug

818-4351 £87.24

↕ 1.0 m

- Combination fibreglass
- 1"-14 thread nylon ferrule for use with standard deck or rail mount.

818-4350 £88.49

↕ 1.0 m

- Combination fibreglass with polycarbonate Lift-n-Lay mount
- 3m coax & AM/FM plug

GALAXY AM/FM

GALAXY

818-YRR-AM/FM £83.63

↕ 0.48 m

- Stainless steel
- Ideal for RIBs & high speed craft
- Integral black bracket
- 4.5m of RG-62 cable with Motorola type connector

818-5120-S (MD32SS) £90.26

↕ 2.4 m

- 1-section Centennial fibreglass
- Chrome-plated brass ferrule with standard 1"-14 thread
- 4.5m coax cable & AM/FM connector

Twin to 5101-XT VHF

818-5235-XT £111.58

↕ 2.4 m

- Fibreglass
- Suitable for power boats
- Stainless steel ferrule
- 1" x 14 TPI thread
- 6m RG 62 cable
- Recommended mounts 4187, 5187

Twin to 5225-XT VHF

818-5420-XT £109.96

↕ 1.2 m

- 1.2m AM/FM 'Little Giant' Antenna
- Heavy Duty, high gloss Galaxy finish, fibreglass
- Stainless steel ferrule with 1"-14 thread
- 3.6m RG-62 cable plus a Motorola type plug
- Frequency AM, FM and FM-Stereo

Twin to 5400-XT VHF

ACTIVE ANTENNAS

ANYWHERE **Active TV Antennas**

818-HDTV-MAR8 £104.77

- 200mm (8") tall
- Ideal for mounting in those tight spots onboard
- Perfect for close-in or stronger signal areas

818-HDTV-MAR10 £134.40

- 240 mm (10") Ø
- When space aloft is limited & good performance is required

818-HDTV-MAR14 £194.70

- 380 mm (14") Ø
- Best for performance
- Increased signal pulling power for better picture and sound.

Active Antennas

818-AA20 £128.87

↕ 0.9 m

- Heavy-duty receive only wideband antenna.
- Requires AAX1 power supply.
- 20m RG-58 cable plus BNC connector. 180mm cranked, aluminium bracket.

818-AAX1 £128.68

- Power supply for Active antennas: AM, HF/SSB, Navtex, Weather Fax
- Single output only

Main features

- Omni directional marine HDTV antennas with 360° Signal reception
- Digital and HDTV ready
- Compact, attractive aerodynamic & weatherproof design
- 1" – 14 thread mounting
- 12 /24 VDC and 240 VAC operation.
- Comes with built in high gain, low noise amplifier & LTE filter
- Max. output level: 110 dBμV / Impedance: 75Ω

- Receiving range FM/VHF/UHF
- VHF: 87-230 MHz
- UHF: 470-862
- Gain: 30dB / Noise figure: 3dB
- Outputs: x2 TV's
- Supplied with 25m 75 Ohm RG59 cable with 2x F connectors + IEC to F connector (**HDTV-MAR8** - 10m cable)
- **HDTV-MAR10/14 -** Use 4366 Bracket for mast mount installation

SHAKESPEARE

MOUNTING SOLUTIONS

Nylon Mounts (1"-14 thread)

818-4186 (ARMNTP) £19.58
- Ratchet Mount
- 1"-14 thread.
- For antennas up to 2.4m

818-4711 (ALDHM-P) £4.00
- Flange Mount
- Length 25mm

818-4722 (ARM-P) £9.66
- Rail Mount
- 22 / 25mm horizontal rails

818-4721 (ARMRM-P) £19.15
- Rail Mount
- 22 / 25mm vertical, horizontal and angled rails.

818-495-B £29.54
- Lift 'n' Lay Mount
- Enables antenna to Lift-n-Lay with positive snap action. Levelling plate included for mounting to a sloping deck.
- Includes 3/8"-24 thread brass insert.

Stainless Steel Mounts (1"-14 thread)

818-4187-HD (ARMNT) £68.08
- Ratchet Mount
- Quick release lever

818-5187 (ARMNT-SL) £74.80
- Sleek stainless steel 4-way swivel Ratchet Mount
- Quick release lever allows antenna fold-down
- Slot centre feed
- Highly polished finish

818-6187 £78.00
NEW 2021
- New single handle ratchet mount!
- Reduced height
- Easy install

818-AHDVM £94.03
- Stainless steel Heavy Duty vertical/pole mount with U-bolts & nuts
- 90mm x 90mm backing plate
- 120mm total height

818-4720 (ARM-S) £20.04
- Rail Mount
- 22 / 25 / 32mm square / round / vertical / horizontal rails or even flat surfaces

818-4190 (ARMRM-S) £64.38
- Ratchet Mount
- Quick release lever allows antenna fold-down
- For 22 / 25mm antennas to 2.5m.

818-4188-S £77.96
- Stainless steel Rail Ratchet mount.
- Quick release lever for quick & easy lay down.
- For 22/25mm vertical & horizontal rails.
- For antennas up to 2.4m in self support mode.

Aluminium Mounts (1"-14 thread)

818-MDM70-11 £136.36
818-MDM70-14 £136.36
- Mast / Rail Mount
- Heavy Duty aluminium bracket for 1"-11 TPI (MDM70-11) or 1"-14 TPI (MDM70-14)
- Stainless steel 'U Bolts' included

Mast

Rail

818-4710 (MDM102) £22.09
- Stainless Steel Flange mount
- Length 25mm

818-4365 (ALDHM) £32.20
- Stainless steel Fixed Base mount
- Length 100mm

LOUD SPEAKERS & HAILERS

818-HS-40 £191.58
- PA/Hailer Horn Speaker
- Supports loudhailer listenback function
- High impact white plastic
- Measures 178mm wide x 330mm deep
- 8 ohm / 40W

818-HS-5 £49.63
- External Horn Style 5W Speaker
- 127mm white plastic
- 4 ohm speaker

818-WS200P £95.03
- 5W Deck Watch Extension Speaker
- Surface or flush mountable
- UV resistant ABS construction
- Use on 4 or 8 ohm systems
- 140mm Ø, Depth 50mm
- Flush Mount: 116mm Ø
- Impedance 8 ohm, 0.3 kg

818-ES-4 £43.93
- 100mm deluxe 4 ohm 8W speaker
- Mylar cone in white housing
- Max audio level to 94dBA
- 1.8m cable with 3.5mm phonoplug

818-ES-2 £36.00
- 57mm 4 ohm 5W speaker
- Mylar cone in a compact white housing
- 1.8m cable & 3.5mm phono plug

SHAKESPEARE

Antenna Switches

818-AS2	£145.87

- Automatic Coaxial switch
- Automatic switch toggles two VHF radios to one antenna
- Automatically switches between radios when it detects either being used

818-CS2	£76.62

- Antenna Switch
- For switching 2 radios between one antenna

Antenna Radio Tester

818-ART3	£150.00

- Antenna Radio Tester
- Test Receiver function
- Output power and VSWR (antenna efficiency)
- Internal battery or 12VDC

Marine Band Separator

818-4357-S (ACC100)	£80.65

- No need for separate AM/FM & VHF antennas
- Operate both radios at same time
- Includes 2.5m AM/FM cable & 0.9m RG-58 VHF cable & connectors

818-5257-S	£79.20

- AIS, AM-FM, VHF splitter
- For Receive only

NEW 2021

Extension Poles

818-5228-1	0.3m	£58.93
818-5228-2	0.6m	£62.20
818-5228-4	1.2m	£114.78

GALAXY

- Stainless steel upper and lower ferrules with standard 1"-14 thread
- High gloss, non-yellowing polyurethane finish
- Mounting kit is required (each sold separately)

818-4700	0.15m	£23.65
818-4700-1	0.305m	£39.54
818-4700-2	0.61m	£76.79

- Heavy-duty stainless steel extension masts
- Male upper, female lower 1"-14 threads

Antenna Spares

818-ACC158	£11.04

- Solderless Cable Termination Kit
- All the spare parts used for solderless terminations on the V-Tronix Hawk, V-Tronix Whipflex, V-Tronix Raider & AIS-MAST

Spare antennas with connectors

818-YWA	Whipflex - Spare Antenna Only	£58.63
818-YHA	Hawk - Spare Antenna Only	£69.24
818-YRA	Raider - Spare Antenna Only	£69.29

818-YHI	£35.42

- Replacement Wind Indicator for V-Tronix Hawk antenna

50 Ohm Coaxial Cable

818-RG58	100m	£103.19
818-RG213	50m	£185.56

RG-58 Cable Kits

818-YCP08	8m - Inc PL-259 Plug	£30.55
818-YCP20	20m - Inc PL-259 Plug	£43.52
818-10MNTYCABLE	10m - Inc N-Type plug & Shroud	£29.99

818-ACC151	£9.04

- Two Vinyl Plug Shrouds for RG-58 cable

Connectors & Adapters

Gold Plated Centerpin - Gold Plated

PL-258-CP-G **PL-259-CP-G**

818-PL-258-CP-G	For splicing RG-58 A/U, RG-8/X *	£11.33
818-PL-259-CP-G	PL-259 connector to RG-58 A/U & RG-8/X *	£11.48
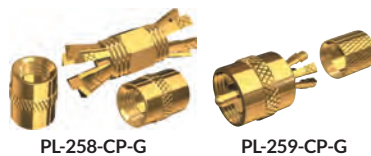
PL-259 connector - Gold Plated

818-PL-259-G	10mm - RG-8/AU & RG-213 coax	£12.88
818-PL-259-58-G	With UG175 adapter & DooDad for RG-58	£15.48
818-PL-259-8X-G	With UG175 adapter & DooDad for RG-8X	£13.28

PL-259 connector

818-4PC078	5mm - RG-58	£1.50
818-4PC079	10mm - RG-213	£3.00

TNC Plug

818-14PC066	5mm - RG-58	£6.60

'N' Type plug

818-ACC140	5mm - RG-58	£13.22
818-4PCO55	10mm - RG-213	£6.60

'N' Type Connector Jack

818-ACC142	5mm - RG-58	£14.17
818-4PCO59	10mm - RG-213	£9.60

BNC plug

818-ACC154	5mm - RG-58	£8.16

BNC jack

818-ACC155	5mm - RG-58	£10.48

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

CLA2000 CLASS A AIS Transponder

144-CLA2000	£2,154.00

- Globally approved Class A AIS transponder
- High resolution, 800 x 480 pixel 5" colour display (MKD) with easy to use, fast user interface
- Bracket or flush mount – waterproof to IPX7
- Integrated GPS with external antenna or utilise external NMEA feed (user selectable)
- 3 x NMEA 0183 interface (bi-directional for plotter, ECDIS, radar etc)
- 3 x sensor input ports (eg BlueBoard, external GNSS, gyro etc)
- NMEA 2000 interface

- Built in SD card slot for software updates, AIS data port logging or C-Map MAX mapping capability with optional C-Map data card
- Built in WiFi for connection to iPads and tablets for wireless navigation
- Sophisticated AIS SART MOB alarm and display capability
- User programmable alarms for CPA and TCPA
- Advanced filtering of targets
- External alarm and remote silence switch capability

IAISTX Class B AIS

144-IAISTX		£522.00
144-IAISTXPL	With NMEA 2000 Interface	£642.00

- Class B AIS transponder with WiFi interface for phones, tablets and PCs
- Support for all the latest target types such as ATONs and AIS MOB devices
- Latest HF AIS technology for superior performance
- NMEA 2000 interface option (IAISTX Plus)
- UDP and TCP/IP protocols supported for up to 7 connected devices
- Password protected, secure wireless connection

- Internal WiFi antenna will typically footprint a boat up to 60ft in length
- Supplied with external GPS antenna & 10m cable
- Compatible with 100s apps
- LED status indicators for WiFi, data, status, silent mode and power
- Easy embedded web interface for programming
- Measures just 20 x 14 x 4.5cm
- 12/24V operation and ultra-low 2W consumption

AIT5000 Class B+ AIS

144-AIT5000	£1,074.00

- New Class B+ 5W transponder with GPS/GLONASS positioning
- Integrated and patented ZeroLoss VHF-AIS antenna splitter (share the VHF antenna)
- Multiple NMEA 0183 in/out and multiplex capability
- NMEA 2000 connectivity

- USB connectivity for PC/MAC
- Wireless interface for tablets, smart phones and PC
- Remote TX silence switch option
- Supplied with GPS antenna
- The AIS all-in-one Nucleus solution
- Alarm option with AISLifeGuard

AIT2500 Class B+ AIS

144-AIT2500	£714.00

- Class B+ 5W SOTDMA AIS transponder with GPS/GLONASS positioning
- Multiple NMEA 0183 in/out and multiplex capability
- NMEA 2000 connectivity
- USB connectivity for PC/MAC

- Remote TX silence switch option
- Supplied with GPS antenna
- Options include VHF-AIS antenna splitter, wireless interface (WLN10SM) and AIS SART Alarm (AIS Lifeguard)

AIT2000 Class B AIS

144-AIT2000	£594.00

- Class B AIS Transponder with built-in 50 channel GPS receiver
- Use with existing plotter & radar systems
- Simple USB plug & play to PC/Mac
- Includes N2Net interface & cable for connection to NMEA 2000 network
- High speed NMEA output (38,400 baud)
- Supplied with GPS antenna with integral 1"x14TPI thread mount
- Remote Silence Switch option
- Supplied with programming software

Typical system
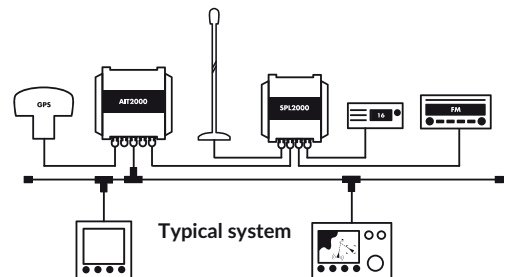
AIT2000 CLASS B AIS TRANSPONDER

AIT1500 Class B AIS

144-AIT1500	NMEA 0183	£504.00
144-AIT1500N2K	NMEA 2000	£540.00

- Class B AIS Transponder
- Waterproof compact enclosure
- Built in internal GPS antenna
- Dual NMEA 0183 outputs at 4800/38400 baud
- USB interface
- NMEA input multiplex function
- Silence switch option
- Supplied with programming & utilities CD for PC & Mac

Typical system

AIT1500N2K CLASS B AIS TRANSPONDER

Typical system

AIT1500 CLASS B AIS TRANSPONDER
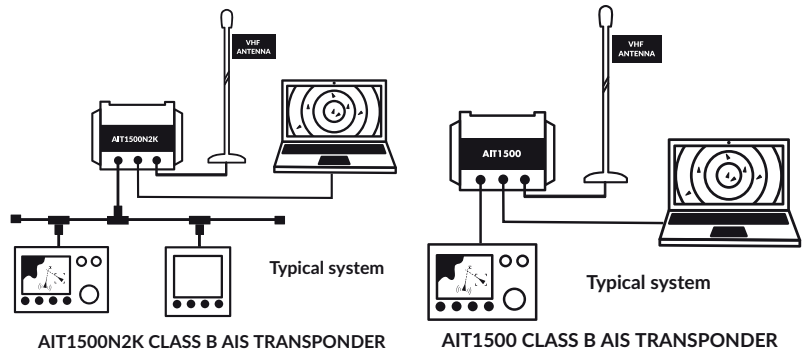
NOMAD Portable AIS Transponder

144-NOMAD	£630.00

- Applications include charter and delivery skippers, pilots, tenders and back up for main systems
- Can utilise as AIS/GPS receive only
- Powered via USB – connect to PC, USB outlet or USB battery pack
- Wireless interface for iPad, tablet or PC/MAC
- Built in high performance GPS
- Supplied with portable VHF antenna
- Programmable via PC, Mac and app

Other AIS Products

144-AISNET	AISNET Network AIS Base Station Receiver	£474.00
144-AISNET2	AISNET+ Network AIS Base Station Rx with open VPN	£1,200.00
144-AITBUN1	AIT2000 + GV30 Bundle (Combo VHF-GPS Antenna)	£690.00
144-SPL1500	SPL1500 VHF Antenna Splitter - VHF/AIS Operation from 1 Antenna	£240.00
144-SPL2000	SPL2000 VHF Antenna Splitter with FM Radio - VHF/AIS Operation from 1 Antenna	£270.00
144-AISLG	AIS Life Guard MOB/SART Alarm	£180.00
144-GV30	GV30 Combo -GPS Antenna	£120.00

AIS RECEIVERS

AIS100 Receivers

144-AIS100	AIS100 Receiver - NMEA Out	£180.00
144-AIS100USB	AIS100 Receiver - USB	£180.00
144-AIS100P	AIS100 Pro Receiver	£210.00

- Low cost entry level AIS receiver
- High performance dual-channel AIS receiver for use with existing plotter and radar systems
- **AIS100 :** High speed NMEA output (38,400 baud)
- **AIS100USB :** Simple USB plug & play to PC
- **AIS100PRO :** NMEA output & USB plug & play to PC plus Multiplexed NMEA input for single NMEA GPS+AIS data output
- Requires VHF / AIS antenna or splitter
- BNC antenna connector

AISnode NMEA 2000 AIS Receiver

144-AISNODE	£330.00

AISnode is the first AIS Receiver to be designed exclusively for NMEA2000. With a single, integral 0.75m NMEA2000 cable that takes power from the network and outputs the AIS data on to the network

- AIS receiver with an NMEA2000 interface allowing AIS data to be shared across plotters, radars or other compatible devices on board
- NMEA 2000 connectivity
- Self-powered from NMEA 2000 network
- Supplied with 1m NMEA 2000 cable
- High sensitivity dual channel design
- Decodes all the latest AIS target types including ATONs and SARTs

NAVIGATION SENSORS

GPS160

144-GPS160	With standard NMEA output	£150.00
144-GPS160USB	With 5m USB cable	£198.00
144-GPS160N2K	With iKonvert NMEA2000 Interface	£270.00
144-GPS160ST	With STN Seatalk Interface	£270.00
144-GPS160WL	With WLN10SM Wireless Interface	£270.00

- 72 channel precision GPS / GLONASS / GALILEO antenna with NMEA data output
- Compatible with PC/MAC/LINUX charting software
- User configurable using simple DIP switches
- TurboNav mode offers slow & high speed applications
- WAAS/EGNOS/SBAS enabled for sub 1m accuracy
- GPS160USB features self powered USB interface for PC/Mac & 5m cable
- NMEA output (via USB) configurable for 4800, 38400 & 115200 baud

WindSense

144-WS	£450.00

- Stand alone or networkable (via NMEA 0183) wind system with precision mast head unit
- Super-thin cable from MHU to below deck interface with wireless WiFi & wired NMEA connections
- Compatible with iOS, Android, PC & MAC
- Use up to 7 WiFi connected smart phones, iPads or tablets as displays anywhere on board.
- NMEA 0183 output & NMEA 0183 input with multiplex facility for WiFi connection
- WiFi can be stand-alone or joined to existing network
- Optional NMEA 2000 interface

Other Navigation Sensors

144-HSC100	HSC100 Fluxgate Compass Sensor - NMEA Output	£288.00
144-HSC100T	HSC100T Fluxgate Compass Sensor - NMEA (ROT)	£288.00

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

WLN10/WLN30 - NMEA 0183 to WiFi Servers

144-WLN10SM		£150.00
144-WLN30SM	3 x NMEA 0183 Inputs	£210.00

- NMEA 0183 to WiFi server (4800 or 38400 baud)
- **WLN30** features 3 NMEA 0183 inputs and multiplexer function
- Web interface for setup and initial programming
- Set baud rate, SSID and password through web interface
- Supports both UDP (for multiple connections) and TCP/IP interfaces
- View NMEA data received for easy fault finding
- Supports a bi directional Wi-Fi interface
- Fully compatible with popular navigation apps and software
- Easy to install IPX4 black box solution

NavLink2 - NMEA 2000 to WiFi Server

144-NLINK	£210.00

- Supports TCP/IP and UDP connection modes
- Provides AIS, navigation and instrument data to apps
- Compatible with all popular apps like iNavX, TimeZero, Weather 4D, Navionics, SailGrib, NavLink, iSailor, SeaPilot, AquaMap etc
- Compatible with Windows, Linux, MAC OS, iOS and Android
- Can act as dedicated wireless server or can connect to an existing wireless network
- Diagnostic data display mode and LED status lights
- Internal hi gain wifi antenna
- Super-fast 230KBs operation
- Optional raw data mode for developers and advanced users
- Supplied with NMEA 2000 cable

SeaTalk™-NMEA (ISO) Converter

144-STN	£150.00

- Small but powerful bi-directional converter
- Powered from the SeaTalk™ network
- Features reliable multi-stage transistor SeaTalk™ interface
- Opto-isolated NMEA0183 input and differential NMEA 0183 output
- Can be configured to operate in "Raw Data" mode ($STALK)
- Converts all the key navigational data

SeaTalk™ is a registered trademark of Raymarine UK Ltd.

iKonvert NMEA 2000/0183 Interface

144-IKVT	iKonvert NMEA	£144.00
144-IKVTUSB	iKonvert USB	£144.00

- NMEA 2000 gateway with multi mode operation
- Bidirectional NMEA 0183/2000 translations
- User programmable as a gateway or dedicated sensor converter
- RAW mode parses all NMEA 2000 data as encapsulated PGNs – ideal for custom applications
- USB or ISO (optically isolated) options
- NMEA 2000 Certified

iKommunicate

144-IK	£264.00

- NMEA 0183/2000 to Signal K gateway
- 1 x NMEA 2000, 3 X NMEA 0183 Interfaces
- Signal K connection via RJ45 to suitable router
- Built in web server and interface
- Built in micro SD slot for expansion and apps
- NMEA data over TCP/UDP port

LANLink – NMEA to Ethernet

NEW 2021

144-LANLINK	£168.00
144-LANLN2K	£252.00

- NMEA to Ethernet Gateway
- Available in two versions: NMEA0183 or NMEA2000
- Connects to router or devices via simple RJ45 Cat 5/6 patch cable connection
- RS232 port for PC apps too

NavDoctor - NMEA 2000 diagnostic tool

NEW 2021

144-NAVDOC	£360.00

- NMEA 2000 Wireless Diagnostic Tool
- Self powered from NMEA 2000 bus
- Creates its own wireless network on the boat or can join an existing network in the workshop
- Lists all devices on the NMEA network and all PGNs being transmitted
- Generates a Network Health Report that you can either print or save to PDF

NMEA 2000 Cabling kit

144-N2KIT	£78.00

- Smart 4-Way T-Piece "Backbone"
- 1m (3ft) Power Cable with in-line fuse
- 1m (3ft) "Drop Cable"
- Pair of removable network terminators

NMEA to Ethernet & NMEA to USB Adaptors

144-NTN10	NTN10 NMEA to Ethernet Adaptor	£234.00
144-USBNMEA	NMEA 0183 to USB Adaptor	£42.00

DIGITAL YACHT

MARINE PC

AQUA Compact Pro PC

144-AQCP	AQUA Compact Pro PC - Intel i3 CPU & 240GB SSD	£1,170.00
144-AQCPPL	AQUA Compact Pro+ PC - Intel i7 CPU & 480GB SSD	£1,494.00

When you need a more powerful PC to run the latest 3D TimeZero charting or weather routing software from companies like MaxSea and Nobeltec, the Aqua Compact Pro provides all of the processing and graphics power required in an ultra compact case that really does fit in the palm of your hand.

NOTE - The Aqua Compact Pro has an internal fan and should be used where there is good air circulation.

- The perfect solution for demanding navigation applications like MaxSea/Nobeltec TimeZero even with radar & 3D integration
- Bluetooth and Dual Band WiFi built in (plus wired gigabit network port)
- 4 x USB 3.1 ports with charging mode on front panel port
- Just 115mm x 110mm x 50mm
- Easy installation with supplied mounting bracket
- Windows 10 64 bit OS (Linux or Windows 8 OS options. i7 version - Linux only)

- Dual display outputs – full size HDMI and USB C
- 8GB DDR4 2133MHz SO-DIMM memory & super fast solid state drive
- Direct 12v DC Operation (8-19v input), approx 20W power consumption (25W on i7 version)
- Front panel mounted audio jack for audio in/out – ideal as media center
- Built in mic for Cortana speech control and recognition
- Micro SD slot – ideal for Navionic's cards with our SmarterTrack PC navigation software

ENTERTAINMENT

4G Connect

144-4GC	Standard	£402.00
144-4GCPRO	Pro	£714.00

- Hi performance 4G/LTE modem for exceptional speed and range with fall back to 2G/3G
- SIM unlocked for any network provider
- Internal antenna solution with MIMO technology
- LTE Class 3 modem offers long range and up to 70Mbps speeds
- Ethernet LAN port for connection to iKommunicate navigation interface – allows boat NMEA 0183/2000 data to be available on the WiFi network – ideal for smartphone and tablet navigation

- Ethernet WAN port can connect to satellite or WL510 high power WiFi system for combination LTE/WiFi hotspot solution
- WiFi interface for tablets and phones
- Offers good performance in port on GRP boats
- **Standard :** Easily upgradable to PRO with purchase of external antennas and cabling
- **Pro :** Supplied with two high performance antennas with deck base & 7m LMR 200 cable kit

WL510 Internet Access & WiFi

144-WL510	With 10m cable	£594.00
144-WL510-20	With 20m cable	£714.00

- Ideal solution for permanent installation & new builds
- Network Interface for connection to a PC or Router for shared long range connection
- Easy to setup & control from any browser through web based interface
- Adjustable (up to 600mW) Wi-Fi modem & high gain (12dBm) omni-directional antenna (0.9m) gives ERP up to 4W

- Supplied with threaded deck mount for antenna & 10m of low-loss LMR400 coax cable
- Supplied with 1m network cable - can be extended up to 50m with any CAT5 cable
- Requires connection to boat's 12v DC supply
- No drivers required – compatible with Windows XP/Vista/7/8/10, Mac OS X & Linux

DTV100 Marine Omni-Directional HDTV & FM Antenna

144-DTV100		£168.00
144-DTVDA	Optional Dual Out TV Amplifier	£78.00

- IP68 Waterproof & tough UV resistant casing
- Global reception capability of latest digital DVB/HDTV signals
- Pole and 1" x 14TPI thread mount adaptors
- 1 x TV and 1 x FM radio outputs as standard
- Optional 2 x TV and 1 x FM radio amplifier accessory
- Variable gain below deck amplifier unit (-7dB to +29dB)
- 10m RG6 cable with F-Type connector
- 12v or 24v DC operation (typical 20-60mA)

Deep Sea S1000 Smart AIS SART

144-D-S1000	S1000 Smart AIS SART	£480.00

- Full IMO Compliant, Wheel Marked AIS SART
- 50 channel GPS receiver built in
- Specialist VHF antenna technology for superior performance
- LED indications for test and activation
- When activated transmits position 8 times per minute
- 96 hour battery life
- Sends SART ACTIVE safety message every 4 minutes
- Easy to change, low cost battery replacement

WiFi Internet Access Products

144-WL500UP	WL500-510 Upgrade Kit	£354.00

Marine Software

144-STPCN	SMARTERTRACK 2016 PC Navigator Software	£180.00
144-STPCE	SMARTERTRACK 2016 Express pack Navigator Software - DualNav USB Sensor	£330.00

Digital Deep Sea

144-D-PLINK	PILOTLINK Class A Wireless Interface	£240.00
144-D-PPL	PILOT Plug & USB cable for Class A AIS Transponders	£120.00
144-D-PPLEXT	10m PILOT Plug extension cable	£96.00
144-D-CELCX4A	CX4A AIS VHF Antenna	£132.00
144-D-CELE179F	E179F Deck Base - CX4A	£44.40
144-D-X500391	MA800 GPS Antenna	£84.00

All prices SRP inc VAT. For trade prices and stock availability visit www.smgeurope.com

veratron

MARINE

THE ALL-IN-ONE GAUGE

1.44" TFT

VL Flex 52 The Universal Instrument

797-B00043501	VL Flex 52 Instrument - Black Bezel	£119.99
797-A2C5318602701	Veratron VL Flex 52 - Bezel Round Black	£4.49
797-A2C5318602801	Veratron VL Flex 52 - Bezel Round White	£4.49
797-A2C5318602901	Veratron VL Flex 52 - Bezel Round Chrome	£10.99

The VL Flex gauge, can be easily configured to be the instrument you need. A sun-readable 1.44" TFT display built into a 52mm instrument housing.

The supported analogue inputs allow you to directly read from t=your engine sensors, and the NMEA2000 interface expands theis possibility, by allowing the gauge to directly read from the NMEA2000 network.

The simple but effective graphic display can be set up for single or dual layout, presenting the data in a clear intuitive form. A coloured bar graph, clear digits and alarm displays, allow for easy understanding of the data.

- 1.44" sun readable TFT display
- PMMA lens with anti fog coating
- 52 mm PC flame retardant housing
- Spinlock or Flush panel mounting concept
- Digital ports for interfacing the most advanced systems
  - LIN connectivity - Intelligent Battery Sensor
  - CAN port - NMEA 2000® or SAE J1939
  - NFC interface - Contactless device configuration
- Simple but effective data representation
  - Single data layout - Big numeric value with colored bar graph
  - Dual Data layout - 2 in 1 device!
- Alarms
  - Configurable alarm thresholds
  - Visual red bar graph
  - Alarm icon
  - Red digits for dual layout

- Contactless Configuration
- Setup Overview
  - Display Layout
  - Gauge Type
  - Gauge Instance (Engine No. / Tank No.)
  - Sensor Calibration (standard/customized)
  - Alarm threshold
  - Illumination intensity (day/night)
  - Units
- NMEA2000, Frequency, Voltage, Resistive and LIN sensor input support
- 12 / 24v Supply Voltage
- IP67 Front side protection
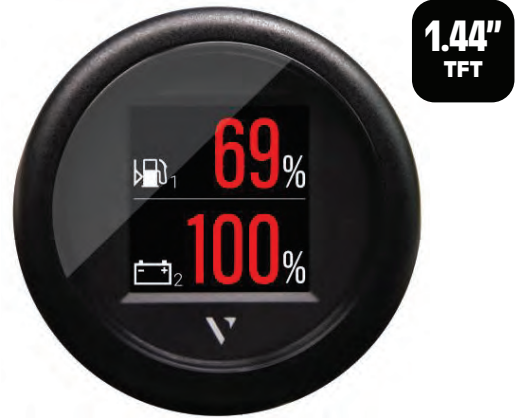
Display Examples

SUPPORTED CONFIGURATIONS

Gauge Type

- Engine Speed
- Boat Speed
- Ammeter
- Voltmeter
- Battery SOC
- Battery SOH

- Battery Temperature
- Battery Autonomy
- Engine Hours
- Speed Over Ground (SOG)
- Course Over Ground (COG)
- Depth

- Clock
- Fuel Level
- Fresh Water Level
- Waste Water Level
- Trim Position
- Rudder Angle

- Coolant Temperature
- Boost Pressure
- Oil Pressure
- Oil Temperature
- Gear Oil Pressure
- Gear Oil Temperature

CONTACTLESS CONFIGURATION

Thanks to the contactless configuration, you can setup your all-in-one gauge with a simpla tap! Launch the companion App, and define your settings through the user friendly interface. Simply hold your mobile device in proximity of the VL Flex device, to transfer the confguration.

READ

CONFIGURE

WRITE

VL FLEX CONFIGURATOR

Available on the App Store

GET IT ON Google Play

VL Flex Configurator App is available for both iOS and Android devices

veratron
MARINE

Veratron GO GPS Sensor

797-B00034901	Veratron GO GPS GNSS Receiver Sensor - NMEA2000	£164.99
797-B00041601	Veratron GO BLE and Bluetooth Gateway - NMEA2000	£134.99
797-B00041701	Veratron GO Plus+ GNSS/Bluetooth Sensor - NMEA2000	£239.99
797-B00062402	Veratron GO Top Mount Bracket	£10.99

General features:

- NMEA 2000 certified devices
- Powered by NMEA 2000 backbone (12V nominal voltage), no external power supply required
- Plug&Play installation, no calibrations needed
- IPX7 waterproof
- Dimensions : Ø 60.7 x 18.9 H mm

GNSS Receiver

Bluetooth®

GPS Sensor

Veratron GO GPS:

- Supports GNSS systems (GLONASS and GALILEO)
- WAAS/EGNOS/MSAS/GAGAN supported
- Up to 10Hz update rate using concurrent GNSS, up to 18Hz using single GNSS
- Position Accuracy: 2.5m
- Velocity Accuracy: 0.05m/s
- Heading Accuracy: 0.3

Veratron GO BLE Gateway:

- NMEA2000 to Bluetooth Gateway
- Repeats digital vessel data to Bluetooth data for smartphone / device
- Perfect for small vessel solutions
- 160m maximum connection range
- Up to 7 simultaneous connections
- Supports Nav Dash APP

Optional Top Mount Bracket

NAV Dash App on mobile device

Supports Data:

- Engine RPM
- Trim
- Boost Press
- Coolant Temp
- Coolant Press
- Fuel Rate
- Fuel Press
- Engine Oil Temp
- Engine Oil Press
- Engine Hours
- Engine Load
- Engine Alarms

- Gear Oil Temp
- Gear Oil Press
- Gear
- Gear Alarms
- Fuel Level
- Fresh Water
- Waste Water
- Exhaust Temp
- Rudder Angle
- COG
- SOG
- GPS Position

- Depth
- Yaw
- Pitch
- Roll
- AWA
- AWS
- TWA
- TWS
- TWD
- True Heading
- Mag Heading
- Sea Water Temp

- Air Temp
- Barometer
- Water Speed
- Battery Voltage
- Battery Current
- Battery Temp
- Battery SOC
- Battery SOH
- Autonomy
- Battery Ah

Intelligent Battery Monitoring System

797-B00042501	Veratron LinkUP IBS 12 Volt - NMEA 2000	£219.99
797-B00070401	Veratron LinkUP IBS 24 Volt - NMEA 2000	£329.99

The Intelligent Battery Monitoring System informs you about the current energy status, allowing you to plan your energy supply making it the key element of the vessel's energy management.

- 6 – 16.5V Supply Voltage
- Mac Battery Capacity – 249Ah.
- Supported Battery Types: Gel, AGM, Lead.
- Configurable via NFC APP.
- LED Status notification.
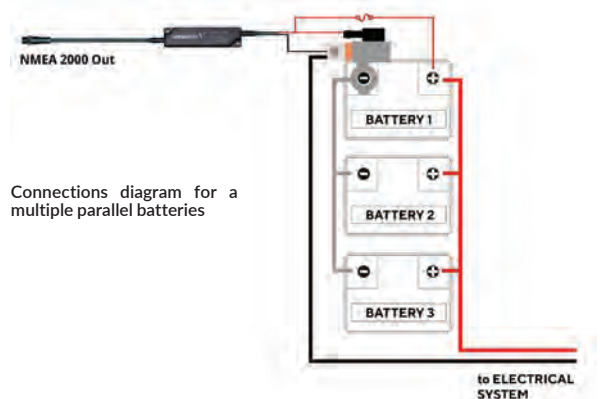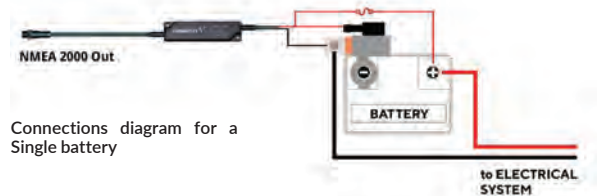
NMEA 2000 Out

BATTERY

to ELECTRICAL SYSTEM

Connections diagram for a Single battery

NMEA 2000 Out

BATTERY 1

BATTERY 2

BATTERY 3

to ELECTRICAL SYSTEM

Connections diagram for a multiple parallel batteries

LINKUP CONFIGURATOR

Available on the App Store

GET IT ON Google Play

LinkUP Configurator App is available for both iOS and Android devices

Link Up Configurator App

To configure the sensor, some parameters must be calibrated through the Link Up gateway, like sensor type, its calibration or warning threshold.

This is possible through the "Link Up Configurator" smartphone App, which can be downloaded free of charge from the stores of both Android and iOS devices.

A simple and detailed explanation of the configuration process is also available as in-app instructions.

Thanks to the passive embedded NFC receiver, the Link Up gateway can be configured without the need of power supply.

All prices SRP inc VAT. For trade prices and stock availability visit www.smgeurope.com

NASA

CLIPPER SERIES

Clipper Wireless Wind System

| 523-CLIP-WWIND | Apparent | £349.20 |
| 523-CLIP-WWINDT | True | £373.96 |

- Wireless masthead transmitter
- NMEA 0183 output sentence MWV
- 9 levels of display backlighting
- Wind speed & direction
- Solar panel charges internal battery
- Inc weather cover and interface box
- True display shows apparent wind speed and direction and, when connected to a log or GPS, it can also show true wind speed and direction

Clipper Wind System v2

| 523-CLIP-WINDV2 | £242.40 |

- Masthead transmitter with 20m cable
- 9 levels of display backlighting
- Anemometer head 210 x 140mm
- Extension cables available
- NMEA 0183 input Display Unit
- Inc: Weather cover & Mast Head Transducer

Clipper Log

| 523-CLIP-LOG | | £162.76 |
| 523-CLIP-LOGDSP | Display only | £135.46 |

- Speed (Knots/m.p.h.)
- Trip Distance (N.Miles / Miles)
- Total Distance (N.Miles / Miles)
- Trend indicator shows acceleration / deceleration
- Selectable speed averaging
- Inc: Weather cover & Transducer

Clipper Duet

| 523-CLIP-DUET | with Paddle Transducer | £218.40 |
| 523-CLIP-DUETDS | Display only | £157.50 |

- Depth Sounder in feet or metres
- Shallow Alarm and Keel Offset
- Speed in MPH , Knots and Km/H
- Trip and Total Distance in miles, nautical miles & km.
- Speed Limit Alarm
- Inc: Weather cover & Transducers

Clipper GPS Repeater

| 523-CLIP-GPSRPT | £126.00 |

- Super larger high contrast LCD
- Four instantly accessible display screens
- Standard NMEA 0183 interface suits most GPS receivers
- Inc: Weather cover & 10m cable

NMEA 0183 to NMEA 2000 Wind Converter Box

| 523-CANBUS-W-BOX | £80.40 |

- NMEA 2000 compliant output
- PGN 130306
- Current consumption 30mA
- Connects to any NMEA 0183 MWV output (inc NASA Marine wireless wind)
- LED for data transmission

NEW 2021

Clipper Tactical Wind System

| 523-CLIP-TWIND | £270.00 |

- Masthead transmitter with 20m cable
- NMEA 0183 output sentence MWV
- 9 levels of display backlighting
- True & Apparent Wind speed & direction
- Inc weather cover

Clipper Depth

| 523-CLIP-DEPTH | | £162.76 |
| 523-CLIP-DEPTHD | Display only | £135.46 |

- Depth below transducer / below keel / below surface
- Deep & shallow alarms (audible/visual)
- User selectable Feet or Metres
- Intelligent gain control+manual override
- Depth trend / No echo indicators
- Inc: Weather cover & Transducer

Clipper Compass System

| 523-CLIP-CMPS | £215.24 |

- Fluxgate accuracy +/- 1°
- Adjustable Damping
- 1° display resolution
- Fluxgate 175mm diameter x 95mm
- Sensor supplied with 10m cable
- Extension cables available
- Inc: Weather cover & Sensor

Clipper Close Haul Meter

| 523-CLIP-CHWIND | £86.10 |

- NMEA 0183 input, connects to Clipper Wind v2
- Repeats the wind speed, shows wind direction in high resolution when sailing close to - or running with the wind
- Inc: 10m cable

Clipper Easylog

| 523-CLIP-EASYLG | | £86.10 |
| 523-CLIP-EASMPH | MPH Version | £86.10 |

- Shows speed, trip & total distance
- Speed: 0.1 knot resolution
- In N.Miles - 0.1 NM resolution
- Total log up to 9999 N.Miles
- Speed trend indicator
- Requires 0183 RMC or VHW & VLW NMEA input

NMEA 2000 Wind System

| 523-CANBUS-W-SYS | £230.40 |

- NMEA 2000 compliant output
- Version 2 NMEA 0183 output mast head unit with 20 m cable
- Anemometer head 210 x 140mm
- Current consumption masthead unit and translator box 30mA

NEW 2021

N·A·S·A

EML-2 Electromagnetic Log

523-EML2	Electromagnetic Log & Data box	£159.00
523-EML2+EZLOG	Clipper EM Log Display Bundle	£229.00
523-EML2+EZTAR	Target EM Log Display Bundle	£225.00

- EML-2 electromagnetic speed log measures the boat speed through the water
- **NMEA 0183 output sentences VLW + VHW**
- Speed range 0.2 - 40 Knots
- Speed, trip and total logs
- Standard 50mm diameter transducer
- Transducer cable length 5.0 metres
- Supply Voltage 12V
- Current consumption 80mA
- Can be supplied as bundle with a Clipper EM Log Display or Target EM Log Display

Clipper EM Log Bundle

Target EM Log Bundle

EML-3 Electromagnetic Log

523-EML3-PULSE	Electromagnetic Log & Data box	£162.00
523-EML3-PULSE+DUET	Clipper EM Duet Display Bundle	£330.00

- EML-3 electromagnetic speed log measures the boat speed through the water
- Control box converts sensor signal to a pulse output to connect to any NASA Marine paddle wheel log display (Clipper Duet, Clipper Log, Target Log, Stingray Log)
- Speed range 0.2 – 40 Knots
- Speed, trip and total logs
- Pulse output to suit paddle log input
- Standard 50mm diameter transducer
- Transducer cable length 5.0 metres
- Supply Voltage 12V
- Current consumption 80mA
- Can be supplied as bundle with a Clipper Duet Display

EML3

Clipper Duet Bundle

TARGET SERIES

All instruments in the Target range come complete with sensors or transducers as appropriate and all necessary fittings. They are designed to run on 12v supply, but due to the very low power consumption there is no reason why they cannot run off dry batteries. Dimensions H98 x W132 x D30mm. Speed/Depth Transducers supplied with 7m cable.

Target 2 Depth

523-TAR-SOUNDER	£110.26

- Fluxgate accuracy +/- 1°
- Fully gimballed sensor
- 0-360° with 1° resolution
- Nine levels of adjustable damping
- Inc: Weather cover & sensor with 10m cable

Target 2 Compass

523-TAR-FLUX	£168.00

- Depth range of 0.8 to 100m
- Deep and shallow alarms
- Keel offset
- Programmable 'Gain' profile
- Inc: Weather cover & transducer

Target 2 Log

523-TAR-LOG	£110.26

- Speed range 0-30 knots in 0.1 knot increments
- Trip distance (re-settable) to 999nm
- Total distance (non-volatile memory) to 999nm
- Inc: Weather cover & transducer

Target 2 Wind v2

523-TAR-WINDV2	£188.40

- Full 360° display of apparent Wind direction
- Digital wind speed in knots, mph or m/s
- Masthead transmitter with 20m cable
- NMEA 0183 output sentence MWV
- NMEA input display complete with weather cover
- Repeaters available

Target 2 Wireless Wind

523-TAR-WWIND	£312.00

- Full 360° display of apparent Wind direction
- Digital wind speed in knots, mph or m/s
- NMEA 0183 output sentence MWV
- Easy installation – no wires to run down
- NMEA input display complete with weather cover
- Wireless wind speed and direction data to any compatible NMEA display

CRUISER SERIES

All instruments in the Cruiser range operate from a 12 volt battery supply and are supplied complete with sensors, displays and display mounting kits. Waterproof and when panel mounted they can be used in an open cockpit. Dimensions H98 x W132 x D30mm. Speed/Depth Transducers supplied with 7m cable.

Cruiser Depth System

523-CRU-DEPTH	£122.86

- Depth range 0.8 to 100m
- Shallow and deep alarms
- Keel offset
- Inc: Weather cover & Transducer

Cruiser Log System

523-CRU-LOG	£122.86

- Speed range 1-30 knots in 0.1 knot increments
- Trip and Total logs
- Keypad calibration adjustment
- Inc: Weather cover & Transducer

Cruiser Compass System

523-CRU-COMP	£190.04

- Digital bearing and programmable analogue steer to course indicator
- Automatic compensation routine
- Simple Operation
- Sealed and fully gimballed sensor with 10m cable

Cruiser Wind System v2

523-CRU-WINDV2	£202.80

- Wind Speed & Direction
- High resolution 360° backlit display
- Shows Apparent Wind direction
- User selectable pointer style
- User selectable Windspeed in knots, mph or m/s
- Masthead transmitter with 20m cable
- NMEA 0183 output sentence MWV
- Repeaters available
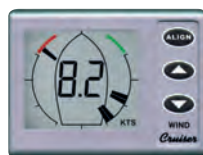
Cruiser Wireless Wind System

523-CRU-WWIND	£337.20

- Wireless Wind Speed & Direction
- High resolution 360° backlit display
- Shows Apparent Wind direction
- User selectable pointer style
- User selectable Windspeed in knots, mph or m/s
- Wireless wind speed and direction data to any compatible NMEA display
- Easy installation – no wires to run down

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

NASA MARINE

NASA

AIS SART Plotter

523-CLIP-AIS	£269.00

- Stand alone AIS receiver / plotter designed for leisure boats
- Ranges of 1, 2, 4, 8, 16 and 32 nautical miles
- Shows AIS equipped vessels with the relative track and previous position trails
- Select any vessel on the screen to view speed over ground, vessel name, MMSI number & latitude / longitude
- Detects SART transponders

AIS Engine 3

523-AIS-ENG	£139.64

- AIS Engine 3 and a conventional marine antenna are all you need to start plotting vessels on your PC or AIS compatible plotter
- Select any vessel on the screen to view its AIS data including vessels name, MMSI No., position, call sign and destination etc
- Receives both class A and B AIS Messages
- Operating frequencies - 162.025 & 161.975 MHz
- Supply voltage - 10 to 16 volts DC
- Inc: Software, fused power cable and data cable

Battery Monitor

523-BM1	BM1 (12VDC)	£110.26
523-BM1-24	BM1 (24VDC)	£110.26
523-CLIP-BM1-LI	BM1 (12V LiFEPO4)	£118.80
523-BM2-12	BM2 (12VDC)	£135.46

- Supply voltage : 8 - 16 Volts DC
- Supply current : 1.5 mA
- Battery capacities : 5 - 600 AMP Hour

BM-1/BM-Li

- Load/Charge current (Max.): 100A/100A
- Shunt : Standard 50 mV @ 100A
- Clipper BM-1 Li for 12V Lithium Iron Phosphate (LiFePO4) batteries - 20 to 600aH

BM-2

- Load/Charge current (Max.): 199A/199A
- Shunt : Standard 50 mV @ 200A

Battery Monitor - Compact

523-BM-COMPACT	BM1 White (12VDC)	£109.72
523-BM-COMPACTG	BM1 Grey (12VDC)	£109.72
523-BM-COMP-24	BM1 White (24VDC)	£109.72
523-BM-COMPG-24	BM1 Grey (24VDC)	£109.72
523-BM2-COMP-12	BM2 (12VDC / 200A)	£135.46

- Supply voltage / current : 8 - 16 Volts DC
- Supply current : 1.5 mA
- Battery capacities : 5 - 600 AMP Hour

BM-1 Compact

- Load/Charge current (Max.): 100A/100A
- Shunt : Standard 50 mV @ 100A

BM-2 Compact

- Load/Charge current (Max.): 199A/199A
- Shunt : Standard 50 mV @ 200A

Battery Monitor - Bluetooth

523-BM1-BT-12	BM-1 BlueTooth	£99.50

- Supply voltage : 8 - 16 Volts DC
- Supply current : 2 mA
- Battery capacities : 5 - 600 AMP Hour
- Load/Charge current (Max.): 100A/100A
- Shunt : Standard 50 mV @ 100A
- Free Android app available from Google Play Store
- Third party Apple app available from Apple App Store

Marine Gas Monitor System

523-MGD	£82.94

- Consists of a cabin mounted monitor and a remote sensor
- Gives visual & audible warning if gas levels at the sensor rise above 10% LEL and warns of fault conditions such as damaged cables etc
- Fail safe system warns of system faults
- Continuous performance monitor
- Spare low cost plug in catalytic sensor
- External output drives ancillary equipment
- L.E.D.'s show system status continuously
- Dimensions : H70 x W134 x D28mm

Exhaust Temp Monitor

523-EX-1	£109.20

- High contrast display continually displays the exhaust gas temperature in degrees Centigrade or Fahrenheit in wet exhaust systems
- Gives advanced warning of potential problems.
- Allows you to program an alert to sound when a predefined temperature is exceeded
- Compact size 125x62x23mm
- Supply current less than 1.5mA
- Supply Voltage 8 to 15 volts DC
- Supplied with sensor and 5m cable
- Temperature/Threshold range: -35 to +170°C

Solar Panel

523-SP-20W	20 Watts	£124.96

- 12V, 3.5mm thick semi-flexible solar panels, lightweight and weatherproof
- Can be gently flexed (in one dimension) to follow a smooth curve, such as a coach roof
- Fix using screws or glued into position using mastic
- Dimensions: 510 x 360mm

MULTI-FUNCTION DISPLAY

Yacht Repeater

| 523-YACHT-REP	System	£289.00
523-YACHT-REPDB	Data Box	£126.00
523-YACHT-REPDS	Display	£216.00
523-YACHT-RP-RC	Remote Control	£55.00

- A large clear weatherproof multi-function display with 60mm high numerals
- Nine levels of red back lighting for easy night viewing of red characters on a black background
- System includes cables, data-box with six NMEA0183 inputs (with up to 3 sentences per input), wireless remote control, stainless steel mounting brackets and weather cover

NASA

Easy Navtex

523-EASY-NAVTEX	With Series 2 Antenna	£299.26
523-EASY-NAV-HV	With H Vector Antenna	£318.16

- Large text for easy message viewing
- Programmable channel switching for automatic 518kHz and 490kHz reception
- Compact panel mount display (stirrup mount bracket available)
- Built in real time spectrum analyser
- Power save auto timer on backlight
- Signal indicator & message error counter
- Non volatile program memory
- Consumption 50mA @ 12V. (100mA with backlight)
- Active micro antenna: H195 x W40 mm & 7m cable
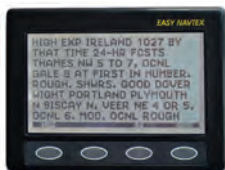
Target Navtex Pro V2

523-TAR-NAVPRO	With Series 2 Antenna	£259.34
523-TAR-NAV-HV	With H Vector Antenna	£278.24

- Feature-packed and intuitive Navtex system complete with its own active aerial
- 518 & 490 kHz operation + 1000 line memory
- Non-volatile program memory
- Switchable Backlight with power save timer
- Easy to read text on high contrast backlit LCD
- Supplied with cradle mount bracket, antenna & power cable
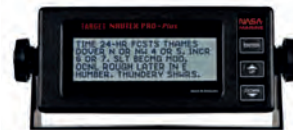
Navtex Pro Engine USB

523-PCNAVUSB-S2	With Series 2 Antenna	£141.76
523-PCNAVPRO-HV	With H Vector Antenna	£160.66

- Two channel Navtex receiver
- Designed to operate on your PC
- Receives Navtex messages even without a PC connected
- Stores Navtex messages in memory ready to download when you get on board
- 518 & 490kHz message reception
- 12V supply (10 to 16V DC) with low current consumption
- Supplied with software, USB connection lead, fused power cable & active antenna
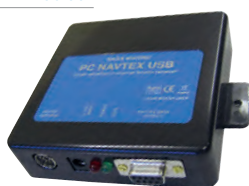
Navtex H-Vector Antenna

523-VECTANT	£65.00

- Delivers a significant improvement to navtex reception
- It can be mounted on a cabin roof or rail mounted using a standard 1" 14 T.P.I threaded antenna base
- Supplied with a 7m cable
- Compatible with Easy Navtex, Clipper Navtex, PC Navtex Pro – All variants, Target Navtex Pro V2, Target Navtex Pro PLUS (with keypad control frequency switching)

BT-3 Navtex Receiver (Bluetooth)

523-BT3-HV	With H Vector Antenna	£168.00
523-BT3-S2	With Series 2 Antenna	£150.00

- Dual frequency Navtex Receiver
- 518 and 490 kHz message reception
- 12 volt supply with low 27mA current consumption
- Connects to H Vector or standard Series 2 antenna
- Supply voltage 10 to 16 volts DC
- Dimension 135 x 100 x 30mm
- Antenna length 195 mm (with 7m cable)
- Supplied with active antenna, fused power cable and downloadable android app
- Compatible with Android phones and tablets
- Optional iOS app available at extra cost
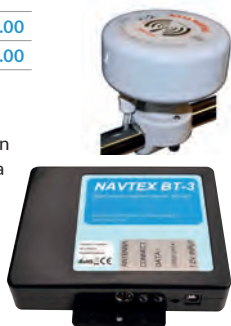
MeteoMan Barometer

523-METMAN		£152.24
523-METMAN+MHU	With Masthead unit	£312.00

- Provides reliable meteorological information, showing barometric pressure on a clear easy-to-read display
- Displays a precision barograph showing barometric pressure for the previous five days to assist in predicting future trends
- Features a marine chronometer, stop watch, race countdown timer, internal temperature and battery voltage
- Optional NMEA wind sensor also available to provide windspeed, direction & temperature

Target SSB Receiver

523-HF3P	Target HF3/P	£225.49
523-HF3W	Target HF3/W	£258.49

- Target HF3/P has a fixed level audio output to connect to third party weatherfax software
- Target HF3/W enables reception of weatherfax pictures, Radiotelex weather forecasts and Navtex on a PC
- Signal level indicator
- Fully synthesised & 10 memory channels
- AM - 6Khz wide
- Freq. Range: 30Khz - 30Mhz
- Single side band: 3.8Khz wide

- Modes: USB/AM/LSB
- Dimensions: H58 x W180 x D170mm
- Inc: 12V Power Cable, Basic Wire Antenna, CD Software (HF3W Only)

MOBI Man Overboard

523-MOBI+3FOB	MOBI with 3 Fobs	£285.00
523-MOBI-FOB-1	Spare MOBI Fob (single)	£49.00
523-MOBI-FOB-5	Spare MOBI Fobs (5 pack)	£200.00

- Man overboard system comprising of base unit & up to 8 active transponders
- Continually displays all crew-names currently logged on, their fob signal levels & status
- Failsafe transponder technology
- Pin code identified
- Display size: 150 x 112 x 42mm
- High contrast display with white backlight
- Current consumption 50mA at 12V + 50mA for backlight
- Supplied with 3 MOBI fobs
- Fob uses standard AAA type batteries (not included)
- Fob dimensions: 77 x 47 x 38mm with belt clip / weight:100g

Supernova Lights

523-SUPER-TRI	Supernova Tricolour	£60.49
523-SUPER-ANC	Supernova Anchor	£60.49
523-SUPER-COMBI	Supernova Combi - Tricolour / Anchor	£135.46

- Long life high efficiency LED nav lights
- Meets COLREG (rule 22) for vessels up to 12.5m
- Tough poly-carbonate shell along with a Gore-Tex membrane vent
- Supply: 10 to 20 volts (for full brightness)
- Supply current: 200mA @ 12V

- Night time visibility: 2 nautical miles minimum (25° above & below center line)
- IP65, IP67 Waterproof
- Anchor light - 360° white
- Tricolour: 112.5° Red 112.5° Green 135° White
- Supernova Combi supplied with selector switch

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

SEE, BE SEEN, BE SAFE AT SEA.

Comar Systems have over 40 years of design and engineering knowledge in the maritime industry. Specialising in AIS Transponders, Receivers, Splitters, Interfaces & Antenna for marine traffic and intelligence information providers.

T200B Series Class B AIS Transponders

119-T200B	T200B Class B AIS Transponder	£630.00
119-T200B-S	T200B-S with built-in antenna splitter	£900.00

- Low cost compact AIS Class B Transponder
- Automatic transmission of vessel's position & data & reception of other AIS transmissions within VHF range (req. external VHF & GPS antenna)
- Transmit Off facility to conserve power or for covert use
- Rugged aluminium housing

- NMEA 0183 and RS232 (NMEA Output: VDM, VDO, RMC, ALM)
- NMEA 2000 and USB
- 9 Pin D Port, 2 Pin Power
- Connectors VHF-BNC GPS-TNC
- 12 Volts DC Power
- 500ma Continuous, 6w Average
- Size L153 x W163 x H60 mm

AS300 Class B Antenna Splitter

119-AS300	£384.00

- Enables AIS to be used with an existing installed antenna
- Removes the need and expense of installing a second antenna
- Exceptional active antenna switching performance
- Rugged aluminium housing

- No loss of VHF radio or AIS performance
- Automatic safe mode in the event of power loss
- Low power consumption
- Size: 153 x 163 x 60mm

R500 & G300 Intelligent AIS & GPS Receivers

119-G300Ni	GPS receiver with WiFi	£450.00
119-R500Ni	AIS Receiver with WiFi	£570.00
119-R500NGI	AIS Receiver with WiFi & GPS	£630.00

- Designed for commercial land-based monitoring of sea traffic
- With built-in Microcomputer for on-board data processing
- Industry Grade Dual Channel AIS Receiver
- Ethernet & WiFi network connectivity

- Built-in ARMv8 Microcomputer for onboard data processing
- Built-in HDMI port for a Display Monitor
- 4 USB ports
- Ideal for feeding vessel tracking data to a website or a Vessel Monitoring server
- Size: 130 x 105 x 46mm

R400 Series Network AIS Receivers

119-R400N	With Ethernet Output	£462.00
119-R400NG	With Ethernet & GPS	£540.00

- Enables AIS data to be viewed directly, or shared on a local network
- Connects to a PC, via RJ45 Ethernet connector
- Quick & easy to install & configure
- Mount at a remote location & send AIS data via the Internet to a fixed IP address for use on a dedicated server
- Universal AC power supply

- Rugged aluminium housing
- USB 2.0 Type B port for local monitoring
- 9-30 Volts DC power, 190mA @ 12V DC
- Ethernet 10 Base/100 Base-T with RJ45 connector
- Protocol: TCP/IP, UDP/IP, ARP, ICMP, TFTP, TelNet, DHCP, BootP, HTTP & AutoIP
- Size L165 x W105 x H46 mm

R200U USB/NMEA AIS Receiver

119-R200U	£360.00

- USB and NMEA 0183 interfaces
- Suitable for connection to Chartplotters & PCs
- Dual Parallel Receivers
- Powered by USB or 12/24V DC
- USB 2.0 Compliant

- NMEA 0183 Output & NMEA Input Multiplexer
- Power & Channel LEDs
- Low Power Drain
- Size : 120 x 85 x 37 mm
- Rugged aluminium housing

i300W & i320W NMEA WiFi Interfaces

119-i300W	i300W NMEA to WiFi Interface	£210.00
119-i320W	i320W Bidirectional NMEA WiFi Interface	£264.00

- For wireless re-transmission of NMEA 0183 AIS data
- Transmits a range of other NMEA 0183 data sentences
- Up to 3 WiFi connections and 5 TCP connections
- Connects with Tablets, Smartphones, WiFi enabled Chartplotters, computers etc.

- Ideal for AIS monitoring at various stations on a small vessel
- Comprehensive 802.11b/g/n network capability
- Quick and easy to configure and install
- Built-in USB port for local monitoring
- Universal AC power supply
- Rugged aluminium housing

AG100 GPS Antenna

119-AG100	£90.00

- High performance GPS patch antenna
- For use with the T200B Class B Transceiver and all Comar AIS receivers with a GPS input

- Fully waterproof (IP67)
- Low noise integrated amplifier
- Voltage: 2.5 – 5.5 V dc
- Storage temperature: -40°C to +100°C

All products include Expert Service & Technical Support, with a 2 Year Extended Warranty available from Comar Systems.

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

ICOM

IC-M25 VHF

330-M25	Metallic Grey	£164.99
330-M25.026	Marine Blue	£164.99

- Slim, lightweight, easy to use
- Float'n Flash Function
- IPX7 waterproof construction (1m depth for 30 minutes)
- USB charging (Micro-B USB type)
- 11 hours operating time
- Large LCD and simple user-interface
- 5W RF output and 550mW audio
- Optional HM-213 waterproof speaker microphone
- 4-step battery life indicator

- Dual/Tri-watch functions
- Instant access to Ch 16 or programmable call channel
- Quick channel selection with the Favourite channel function
- Monitor function for noise squelch control with VOL/SQL button
- Auto scan function
- LCD auto backlighting
- AquaQuake draining function
- ATIS capable

Standard Accessories:
- BCUSB USB Charger • FA-SC59V Antenna • MB-133 Belt Clip • Handstrap

IC-M37E VHF

330-M37E	£239.99

- 700mW Loud Audio & 6W RF Output Power
- More than 12 hours* of operating time (* TX: RX: Standby = 5 : 5 : 90.)
- Channel History Function recalls the last 5 channels used
- Float'n Flash Function
- IP57 dust-protection and waterproof protection (1 m depth of water for 30 minutes)
- Low Battery Alert function
- Voice Loud and Mute function
- AquaQuake™ water draining function
- Dualwatch and Tri-Watch functions
- Favourite Channel function
- Instant access to channel 16 and the Call channel

Standard Accessories:
- BP-296 battery pack • BC-235 desktop charger • BC-217SE AC adapter
- MB-133 belt clip • FA-SC59V antenna • Hand strap

IC-M73EURO VHF

330-M73EURO	£239.99

- 700mW Loud Audio & 6W RF Output Power
- IPX8 Waterproof (1.5m depth for 30 minutes)
- Up to 18 hours battery life on a 5-5-90 duty cycle
- AquaQuake water draining function
- Dual/Tri-Watch function monitors Ch16 & call channel
- Battery indicator shows remaining power in 4 levels
- Favourite channel & tag scan functions
- VOX function for hands free operation (dealer enabled)
- Optional speaker-microphones, HM-167 & HM-202
- Includes Rapid charger BC-210
- Auto power save function
- FA-S64V short antenna
- ATIS capable

Standard Accessories:
- BP-245H battery pack • BC-210 battery charger • BC-06 AC adapter
- MB-103 belt clip • CP-25H cigarette lighter cable • Hand strap

IC-M73PLUS VHF

330-M73PLUS	£284.99

- Last Call Voice Recording, up to 1 minute
- Active Noise Cancelling Technology
- Bass Boost Function (on both TX & RX)
- 6W RF Output Power & 700mW Loud Audio
- IPX8 Waterproofing (1.5m depth for 30mins)
- AquaQuake water draining function
- Dual/Tri-Watch monitors, Ch16 & call channel
- Battery indicator shows remaining power in 4 levels
- Favourite channel & tag scan functions
- Optional speaker-mics, HM-167 & HM-202
- Auto power save function
- FA-S64V short antenna
- ATIS capable

IC-M94D VHF/DSC with AIS

330-M94D	£349.99

NEW 2021

- Worlds First Handheld Marine Radio with AIS Receiver
- Class-H DSC
- New Rubberised backlit keypad for improved tactile button operation.
- 10 Hours (approx.) of Long Operating Time
- 6 W RF Output Power
- Class-Leading 1500 mW Audio Output
- Active Noise cancelling Technology
- Simplifed Navigation Function
- Float'n Flash and MOB Auto Set Functions
- Integrated GPS receiver
- Active noise cancelling technology
- IPX7 submersible (1-metre depth of water for 30 minutes)
- Dualwatch and Tri-watch functions
- Favourite channel function
- Supports 4-digit channels
- AquaQuake Function

Standard Accessories:
- BP-245H battery pack • BC-210 battery charger • BC-06 AC adapter
- MB-103 belt clip • CP-25H cigarette lighter cable • Hand strap

Standard Accessories:
- BP-306 battery pack • BC-251 battery charger • BC-242 AC adapter
- MB-133 belt clip • Antenna • Hand strap

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

ICOM

IC-M330GE VHF/DSC

| 330-M330GE | IC-M330G - Built In GPS | £254.99 |

One of the smallest fixed VHF/DSC radios in the market. Its front face is so compact that it matches the size of a modern smartphone.

- Ultra-Compact Body (156.5 W × 66.5 H × 110.1 D mm)
- Easy-to-read full dot-matrix display
- Intuitive user interface
- New speaker delivers dynamic, clear audio
- Class leading receiver performance (IMD & Selectivity: more than 70 dB)
- GPS receiver built-in and GPS antenna included
- IPX7 submersible (1 m depth for 30 minutes)
- Built-in Class D DSC with a CH70 Dedicated Receiver (IC-M330GE meets ITU-R M.493-14)
- Tag scan and favourite channel functions
- Dual/tri-watch function for monitoring CH16 and/or call channel
- Priority scan function
- Display and keypad backlighting
- Complies with the latest maritime ITU standard "ITU-R M493-14"

Standard Accessories:
- HM-235B Speaker-microphone • Mounting bracket
- Microphone hanger • DC lead

IC-M506GE VHF/DSC with AIS Receiver

| 330-M506GE | IC-M506GE VHF/DSC with AIS & GPS | £499.99 |
| 330-M506GE/HS98 | IC-M506GE VHF/DSC with HS98 Handset | £718.99 |

The IC-M506GE is packed full of features including integrated AIS receiver and GPS receiver built-in, NMEA2000 connectivity, 'Last Call' voice recording function, 'Active Noise Cancelling' technology plus Icom's new intuitive menu-driven user interface and large dot matrix display making it really easy to use. When connected to an external hailer horn, you can talk to people on the deck or shore and can hear people's reply via the hailer speaker. Horn and RX hailer functions are also available.

- Integrated AIS Receiver
- Built-in GPS Receiver
- NMEA 2000™ Connectivity
- Last Call Voice Recording
- Active Noise Cancelling
- Intuitive User Interface
- Optional COMMANDMIC™
- IPX8 Waterproofing
- 25W Two-Way Hailer
- ATIS capable
- Complies with the latest maritime ITU standard "ITU-R M493-14"

Standard Accessories:
- HM-205B Speaker-microphone • Mounting bracket
- Microphone hanger • DC lead

IC-M423GE VHF/DSC Marine Transceiver

| 330-M423GE | IC-M423GE - Built In GPS | £329.99 |

Compact VHF/DSC radio with enhanced audio and dual station capability.

- Intuitive user interface and white backlight display
- Active Noise Cancelling Technology
- Built-in GPS receiver (GPS antenna supplied)
- 10 W loud audio, public address and foghorn
- Optional HM-195GB COMMANDMIC
- Built-in Class D DSC
- Meets ITU-R 493-14 specifications
- IPX7 Submersible Protection (1.0m depth for 30 minutes)
- AquaQuake water draining function

Standard Accessories:
- HM-205B Speaker-microphone • Mounting bracket
- Microphone hanger • DC lead

IC-M605EURO VHF/DSC with AIS Receiver

330-M605EURO	IC-M605 with AIS	£899.99
330-RC-M600	Command Head c/w 10m cable	£499.99
330-OPC2377	Extension cable for RC-M600	£78.00
330-M605+CB2000	M605 + CB2000 Class B AIS Transponder	£1,559.99

Icom's flagship Class D DSC radio, the IC-M605EURO can be remotely controlled with up to three controllers, RC-M600 Command Head and/or HM-229B/W CommandMic, with an intercom function available among the main radio and controllers.

- Class Leading Receiver Performance
- Bi-directional Active Noise Cancelling Technology
- Last Call Voice Recording saves up to 2 minutes of an incoming call
- Private Conversation with optional UT-112 Voice Scrambler Unit
- Internal Speaker provides loud, clear Audio
- Integrated GNSS (GPS, GLONASS and SBAS) Receiver
- 30W Two-Way Hailer and Automatic Foghorn Option
- NMEA 2000, NMEA 0183/-HS Connectivity
- IPX8 submersible (1m depth for 60 minutes)
- Dual and Tri-watch functions
- Instant-access button for CH16 and/or call channel
- Supplied HM-205RB speaker microphone can connect to rear panel
- ATIS capable
- Complies with the latest maritime ITU standard "ITU-R M493-14"

Standard Accessories:
- HM-205RB Speaker-microphone • Mounting bracket
- Microphone hanger • DC lead

IC-M400BBE Black Box VHF/DSC Marine Transceiver

| 330-M400BBE | IC-M400BBE Black Box VHF | £479.99 |

Controlled by an Icom CommandMic, the IC-M400BBE 'black box' marine transceiver, can be installed out of sight, important where space is at a premium.

- Space-Saving, Two-Piece Configuration
- Active Noise Cancelling Technology
- Controlled by Icom CommandMic
- 10W Loud Audio, Public Address and Foghorn
- Built-in Class D DSC
- Meets ITU-R 493-14 specifications
- IPX7 Waterproof Protection (1.0m depth for 30 minutes)
- AquaQuake water draining function for HM-195GB/GW
- Dual/tri-watch function for monitoring Ch.16 and/or call channel
- LCD and keypad backlighting (HM-195GB/GW)

Standard Accessories:
- HM-195GB/GW COMMANDMIC • DC power cable • GPS antenna • 6.1 m (20 ft) of cable
- Microphone hanger • Mounting base for connector

ICOM

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ICOM

MF/HF/SSB

IC-M803 MF/HF Marine SSB Transceiver

330-M803/AT141	M803 & AT141 Antenna Tuner Unit	£2969.99

NEW 2021

- 4.3-inch-Wide Viewing Angle Colour TFT Display
- Intuitive User Interface
- Waterproof Remote-Control Head for Flexible Installation
- Integrated GPS Receiver and Distress Button for Emergency
- Built-in DSC Watch-Keeping Receiver with the Multiple Task Mode
- Two Minutes Instant Replay Memory
- Advanced RF Direct Sampling System
- HF Email Operation
- **Please note that this product does not have type approval for UK/European flagged vessels. For use outside of UK waters.**

Standard Accessories:
• Remote controller • remote control cable (5m, 16.4ft) • HM-214H microphone • DC power cable
• GPS antenna (5m, 16.4ft) • microphone hanger • mounting bracket kits • ACC plugs & spare fuse

GMDSS MF/HF & OTHER RADIO SOLUTIONS

IC-F5022M Base Station

330-F5022MBASE	IC-F5022M	£374.99
330-F5022MBABB	IC-F5022M c/w Battery box	£599.99

The IC-F5022M marine base station is perfect for any organisation that wishes to communicate with vessels from the shore. Its applications are varied and can be used for marshalling races and coordinating marina and harbour traffic to name but a few. Organisations such as the National Coast Watch will also find this a useful backup for any offshore emergencies.

GM600 GMDSS VHF Transceiver with Class A DSC

330-GM600	VHF Transceiver with Class A DSC	£1439.99
330-PS310-12	DC-DC Converter - 12VDC Input	£239.99
330-PS310-24	DC-DC Converter - 24VDC Input	£239.99

The GM600 VHF Transceiver is designed for Class A DSC operation and provides a complete GMDSS VHF communication system as required for Commercial SOLAS regulated vessels engaging in international voyages. The GM600 meets the Marine Equipment Directive 2014/90/EU "wheel mark" approval for European merchant ships.

- GMDSS VHF transceiver with Class A DSC
- Meets ITU-R M.493-13 DSC
- Meets MED "Wheel Mark" Requirements
- 4.3 inch Wide Viewing Angle Colour TFT LCD
- Intuitive User Interface
- IEC 61162-1 interface for GNSS receiver
- PS-310 DC-DC Converter (available separately), provides stable 12.6VDC output from 12V or 24V DC Input - **must be used with GM600 for MED certification compliance**

Standard Accessories:
• HM-214V Hand Microphone • DC Power Cable • Mounting Bracket kit

GMDSS VHF'S

IC-GM1600 VHF Transceiver

330-GM1600E-LI	Li-Ion pack	£389.99
330-GM1600E-MED	MED Appr pack	£499.99

- Meets strict environmental requirements for GMDSS survival craft radio
- IC-GM1600E is designed to meet Wheel Mark MED certification
- Tough and waterproof for heavy duty use
- IPX7 submersible (1m depth for 30 minutes)
- "Speed water removal" removes water from the speaker grill
- Highly visible yellow coloured body
- Shock resistant housing
- Wide viewing angle LCD
- 8 hours operating time at 10-10-80 duty cycle

Standard Accessories (Li-ion):
• BP-252 Li-Ion battery • BC-173 desktop charger • Charger adapter
• Handstrap • MB-103 belt-clip • Antenna • Handbook

Standard Accessories (Med):
• BP-234 Li-Ion battery (for emergency use) •BP-252 Li-Ion battery
• BC-173 desktop charger • Charger adapter • Handstrap • MB-103 belt-clip
• Antenna • Handbook

GM800 GMDSS MF/HF Transceiver with Class A DSC

330-GM800	GM800 cw HS98 Handset & AT141	£5,039.99

The GM800 MF/HF Transceiver is designed for Class A DSC operation and provides a complete GMDSS MF/HF communication system for Commercial SOLAS regulated vessels. The GM800 meets MED, "wheel mark" requirements for European merchant ships.

- GMDSS MF/HF Transceiver with Class A DSC
- Meets MED "Wheel Mark" Requirements
- 4.3-inch-Wide Viewing Angle Colour TFT LCD
- Space saving, waterproof remote head
- Intuitive User Interface
- Provides Loud, Clear Audio

Standard Accessories:
• AT-141 Automatic Antenna Tuner (#45) • HS-98 handset • Mounting bracket kit

Please Note: AT-141(#45) GMDSS VERSION MUST BE USED with GM800 for MED certification compliance.

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

ICOM

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ICOM

AIS

MA-510TR Class B AIS Transponder GNSS c/w GPS Antenna

330-MA-510TR	MA-510TR	£779.99

- Standalone AIS Transponder
- 4.3-inch-Wide Viewing Angle Colour TFT Display
- AIS Target List and Details
- Simplified Navigation Function
- Navigation to MOB Waypoint
- Individual DSC Call
- Collision Alarm Function
- Silent Mode for Security and Privacy
- NMEA 2000 & NMEA 0183 Connectivity
- Supplied GPS Antenna

Standard Accessories:
• Mounting bracket • GPS antenna • DC power cable • accessory connector

CB2000 Class B AIS Transponder Unit

330-CB2000+N2KT	£660.00

Introducing the advanced CB2000 AIS transponder unit which transforms the ICOM IC-M506EURO and IC-M605EURO to VHF/DSC radios complete with Class B AIS transponders.

- Upgrades existing ICOM IC-M506EURO and IC-M605EURO to VHF/DSC radios complete with Class B AIS transponders*
- Advanced AIS design for the best performance
- Waterproof compact enclosure
- Simple 'plug and play' installation
- Includes N2K starter kit which features the NMEA 2000 backbone and cables/connectors
- USB interface
- PC (requires Windows 7 onwards) & Mac programming software included

*Includes N2K starter kit which features NMEA 2000 backbone and cable for connection to the IC-M506/M605 or compatible device. Earlier versions of the IC-M506EURO may need a firmware upgrade, the addition of the CB2000 will upgrade both the AIS and non AIS versions of the M506 to fully working AIS transponder VHF units, N2K GPS receiver may be required.

PMR

IC-F3202DEX/F4202DEX Series

330-F3202DEX	F3202DEX VHF 'ATEX' PMR	£539.99
330-F4202DEX	F4202DEX UHF 'ATEX' PMR	£539.99

- NXDN Digital radio series that meets IEC Ex/ATEX based I/S specifications for the oil, mining and chemical industries
- ATEX Certified
- IP67 Dust-tight & Waterproof Protection
- 3 Programmable Function Buttons
- Man Down and Lone Worker Functions for Emergency Call
- Up to 21 hours* operating time with BP-277EX (* 5-5-90 duty cycle with Power save)
- Optional HM-203EX waterproof speaker-microphone

Standard Accessories:
• BP-277EX ATEX Battery Pack
• BC-212EX ATEX Rapid Charger
• Antenna • MB-94EX Belt Clip

IC-M85E VHF/PMR Marine Transceiver

330-M85E	£299.99

- Compact and lightweight marine VHF with 100 available PMR channels (appropriate licence required)
- Instant operation with multi-function buttons
- Man down & lone worker functions
- Built in voice scrambler
- 700 mW powerful audio provides clear communications in noisy environments
- IP67 and MIL-STD rugged construction
- 14 hours of long battery life (TX- RX- Standby=5-5-90.)
- Self-check function checks internal temperature, and connected battery voltage (over voltage detection)
- Internal VOX capability for hands-free operation
- Monitor function & Priority scan function
- Dual/Tri-watch function for monitoring CH16 and call channel

Standard Accessories:
• BP-290 Battery Pack • BC-227 Rapid Battery Charger
• FA-SC58V Antenna • MBB-3 Belt Clip • Handstrap

IC-F29DR2 Professional Digital Licence Free Two-Way Radio

330-F29DR2	£206.40

- Compact, Digital Licence Free Business Radio
- Meets the European standard EN 300 296 with 32 digital channels including 16 new digital channels as well as 16 analogue channels
- IP67 Dust-tight & waterproof protection
- Digital and Analogue Dual Mode Operation
- CTCSS, DTCS and Common ID for Group Call
- Voice Announcement Function
- 12 types of Ringtone
- Up to 26 hours of long lasting battery life

Standard Accessories:
• BP-280 Li-Ion Battery pack • BC-213 Rapid desktop charger
• BC-123S Charger adapter • MB-133 Belt clip
• Antenna • Manual

IC-F29SR2 Professional Licence Free Two-Way Radio

330-F29SR2	£158.40

- High Performance, Professional Licence Free Analogue Radio
- Meets the European standard EN 300 296 and has a total of 16 channels including 8 new channels.
- Up to 35.5 hours operating time with BP-265 Li-ion battery pack - TX- RX- Stand-by=5-5-90
- Outstanding audio quality
- Simple to operate, just three main controls
- Lightweight, compact body
- Internal VOX for hands-free operation (Optional headset & adapter cable required)
- IP54 & MIL-STD-810 ruggedness
- CTCSS & DTCS tone squelch for group call

Standard Accessories:
• BP-279 Li-Ion Battery pack • BC-213 Rapid desktop charger
• BC-123S Charger adapter • MB-133 Belt clip
• Antenna • handbook.

ACCESSORIES

Antennas

330-AT141	AT-141 Antenna Tuner Unit for M802	£569.99
330-FA-S59V	Antenna 150-174 MHz Atex - F51 M87 M25 M91D	£21.60
330-FA-S64V	M73/M71 Antenna	£24.00
330-FA-SC55V	Antenna 150-174MHz	£24.00
330-FASC57U.001	Antenna UHF 430 - 470Mhz	£24.00
330-FA-SC58V	Helical Antenna 150-174MHZ	£24.00
330-FA-SC59V	Helical Antenna M25 / M37 / M93	£21.60

Battery Packs/Cases

330-BP245H	M73/M71 Lithium Ion Battery 7.4v 2150mAH	£66.00
330-BP252	M33/M35 Lithium Ion Battery 7.4v 980mAh	£48.00
330-BP279	BP-279 Battery Pack	£48.00
330-BP280	BP-280 Li -Ion Battery 7.4v 2280mah -IC-F1000/F2000	£54.00
330-BP285	Lithium Ion Battery 7.2V 1485mAh - M93D	£66.00
330-BP290	BP-290 Battery Pack for M85	£78.00
330-BP296	BP-296 Li-Ion Battery Pack 3.6V 2350 mAh for IC-M37	£36.00
330-BP297	BP-297 Alkaline Battery Case AAAx3 for IC-M37	£21.60

Chargers

330-BC06	M73 UK Charger 12V 1.0A Switch Mode Charger PSU	£16.80
330-BC123SUK	240V 3Pin PSU 12v 1A 2.1mm DC Plug	£16.80
330-BC145UK	UK Plug AC PSU 203V Switch Mode	£16.80
330-BC157S	BC-157S Charger Adapter - BC-197	£108.00
330-BC173	M33/M35 Slow Charger Lithium Ion BC-01 or CP-23L - M35/M36	£16.80
330-BC197	M73 Rapid Charger 6 way Lithium Ion Battery Pack	£336.00
330-BC210	M73 UK Desktop Fast Charger for BP-245	£60.00
330-BC212EX004	BC-212EX Rapid Charger for BP-277EX	£72.00
330-BC213	BC-213 Charger	£36.00
330-BC214.004	6 Way Rapid Charger D-133 Charge Adaptors & BC15&S for BP285	£336.00
330-BC214.023	6 Way Charger for F62D	£336.00
330-BC220	Rapid Charger for IC-M93D	£48.00
330-BCUSB.001	M25 Charger UK 3pin USB Supply 5v 1A - Micro USB Lead	£16.80
330-CIGAR003	Cigar Lighter Lead 12vDC-6vDC	£21.60
330-CIGAR005	Cigar Lighter Plug with USB Socket	£4.80

Speaker Mics & Telephone Handsets

330-HM165	IPX7 Waterproof Speaker Mic - M35 M33 M25 M93D	£78.00
330-HM167	M73 M71 M91D IPX8 Waterproof Speaker Microphone	£96.00
330-HM195B	HM-195B Command Mic Black - Orange LCD - M506/GE and M400BB	£194.99
330-HM195GW	HM-195GW Command Mic White – White Backlit LCD -M423G/E, M506GE	£194.99
330-HM195GB	HM-195GB Command Mic Black – White Backlit LCD - M423G/E, M506GE	£194.99
330-HM202	HM-202 Fist Mic	£78.00
330-HM203EX	HM-203EX ATEX Speaker Microphone IP67	£144.00
330-HM205B.001	HM-205B Fistmic	£60.00
330-HM222	HM-222 waterproof Fist Mic for F62D	£137.15
330-HM228	Waterproof Speaker Microphone IPX7 for M93D	£78.00
330-HM229B	HM-229B Black Command Mic for M605E inc OPC-1540*	£195.00
330-HM229W	HM-229W White Command Mic for M605E inc OPC-1540*	£195.00
330-HS94	HS-94 Headset with boom mic	£21.60
330-HS95	HS-95 Headset with boom mic	£144.00
330-HS97	HS-97 Earphone with throat mic	£32.40
330-HSM73.001	Behind the head splash-proof headset for M73 with Vox enabled	£120.00
330-HSM73.002	Mic/PTT, D-Earpiece for M73/GM1600E/M91D	£96.00

Mounting Kits

330-MB103	Belt Clip BP-209/210	£13.20
330-MB133	Belt Clip for M25 /M93D	£12.00
330-MB75	Flush Mount Kit for M506/M605/M803/MA-510TR	£25.20
330-MB86	Swivel Belt Clip for BP-227 BP227AXD BP-245N	£13.20
330-MB94-001	MB-94 Alligator Belt Clip for BP-232H/N/WP	£13.20
330-MBF5	MBF-5 Flush Mount for M330GE	£24.00

Speakers

330-SP24	Icom SP24 external Speaker	£42.00
330-SP27	Icom SP27 Clear Tube Earphone (Receive Only)	£24.00
330-SP37	Icom SP37 External Hailer Horn Speaker with Bracket	£78.00

Miscellaneous

330-OPC-1392	M73/M71 Headset Adapter Cable	£54.00
330-OPC-1540	HM-162 6m Installation Cable	£60.00
330-OPC-1541	HM-162/195 6.1m extension Cable HM195 - HM-162B	£42.00
330-OPC-478UC	Cloning Cable OPC-478 USB Type	£54.00
330-OPC-515L	IC-A3/A22 DC Power Cable	£12.00

* Requires OPC-2384 Conversion Cable £32.40

MBF-5 Flush Mount for M330GE

HM-165 IPX7 Waterproof Speaker Mic

HM-167 IPX8 Waterproof Speaker Microphone

BP-251 AAA Battery Case

HS-97 Headset with throat mic

MB-86 Swivel Belt Clip

3-Year Warranty

Conditions apply

Optional extended warranty totalling 3 years is available.

Validity of warranty is dependent on the leisure customer completing an online extended warranty form which can be found at :
www.icomuk.co.uk/icom-marine-warranty

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

Solar Technology International

Solar power you CAN rely on

Premium solar panels built to withstand the harshest of environments

All of our crystalline panels, whether rigid or semi-flexible, are guaranteed to withstand life in the harshest of environments from -40 to +80 ºC. PV Logic Flexi is particularly well suited for use where a completely waterproof, super robust, low profile and lightweight panel is needed and can be fitted to surfaces with a slight curve – ideal for boat decks.

Quality comes first

We are obsessive about quality control. Every panel is manufactured to strict ISO9001 standards; we use only A grade cells to ensure delivery of maximum power; and each panel has a unique bar code, allowing us to trace provenance and ensure long term compliance with our warranties. Every panel comes with a twenty year cell output warranty.

Rigid or semi flexible

From 5 to 150W, we have an extensive range of both rigid and semi flexible panels which come in easy-to-fit kits containing all connectors, cables and comprehensive user instructions.

SALT WATER SPRAY TESTED

SALT WATER SPRAY TESTED ISO 9227 ASTM B117

PV Logic Flexi panels have undergone and passed the most rigorous testing to ensure long term performance even in the most extreme environments. Tested to ASTM B117 – ISO 9227 in an independent laboratory, **PV Logic Flexi** has been placed in a sealed tank and salt water/spray jetted at the panel for 1000 hours. This represents far more hostile conditions than a solar panel will encounter even in the wildest oceans but it is our guarantee that when things get tough, **PV Logic Flexi** can be relied upon.

SOLAR PANELS

PV Logic Rigid Solar Panels

751-STP005	5w Basic Kit	£35.00
751-STP010	10w Basic Kit	£45.00
751-STP020	20w Basic Kit	£65.00
751-STP020MA	20w Basic Kit + 10Ah Charge Controller	£100.00
751-STP030	30w Basic Kit	£90.00
751-STP030MA	30w Basic Kit + 10Ah Charge Controller	£125.00
751-STP045	45w Basic Kit	£115.00
751-STP045MA	45w Basic Kit + 10Ah Charge Controller	£150.00
751-STP060	60w Basic Kit	£130.00

751-STP060MA	60w Basic Kit + 10Ah Charge Controller	£165.00
751-STP080	80w Basic Kit	£160.00
751-STP080MA	80w Basic Kit + 10Ah Charge Controller	£195.00
751-STP100	100w Solar Panel Kit	£180.00
751-STP100MA	100w Basic Kit + 10Ah Charge Controller	£215.00
751-STP120	120w Solar Panel Kit	£205.00
751-STP120MA	120w Basic Kit + 10Ah Charge Controller	£240.00
751-STP150	150w Solar Panel Kit	£230.00
751-STP150MA	150w Basic Kit + 10Ah Charge Controller	£265.00

PV Logic® Rigid

From 5wp to 150wp, the PV Logic rigid solar panels are ideal for a range of uses, from preventing battery drain in a caravan to creating energy self sufficiency. All solar panel kits are supplied with cable, connections and detailed user instructions.

20 YEARS CELL PERFORMANCE WARRANTY

60W Basic Kit

Power	Size (mm)	Weight (kg)	Watts per day (W)	Amp hours per day (A)	Charge Controller	Vmp (VDC)	Imp (A)	Voc (V)	Isc (A)
5W	250 x 200 x 25	0.8	30	1.74	N/A	17.5	0.29	22	0.32
10W	397 x 280 x 25	1.3	60	3.48	N/A	17.5	0.58	22	0.64
20W	540 x 278 x 25	1.7	120	6.9	10Ah	17.5	1.15	22	1.27
30W	660 x 380 x 25	2.7	180	10.3	10Ah	17.5	1.72	22	1.90
45W	634 x 535 x 25	3.6	270	15.4	10Ah	17.5	2.58	22	2.86
60W	670 x 640 x 35	4.5	360	20.94	10Ah	17.5	3.49	22	3.97
60W (R)	1060 x 350 x 35	4.6	360	20.94	10Ah	17.5	3.49	22	3.97
80W	836 x 670 x 35	6.7	480	27.9	10Ah	17.5	4.65	22	5.00
100W	1005 x 670 x 35	7.8	600	30.72	10Ah	17.5	5.12	22	5.45
120W	1195 x 670 x 35	9.2	720	41.88	10Ah	17.5	6.98	22	7.93
150W	1475 x 670 x 35	11.1	900	52.32	10Ah	17.5	8.72	22	9.72

- **Basic Kit** - Solar Panel with cable, connections and instructions
- **Standard Kit** - With standard metal brackets for mounting the panel to the roof (space needed 770 x 685 x 50mm)
- **ABS Kit** - With premium profile fixings for mounting the panel to the roof (space needed 790 x 805 x 65mm)
- **AERO Kit** - With aero alloy profile fixings for mounting the panel to the roof (space needed 670 x 835 x 62mm)

6 LAYER CONSTRUCTION

SOLAR GLASS
EVA
CELL CIRCUIT
EVA
AIR GAP
TPE SHEET
HARD ANODIZED ALUMINIUM FRAME
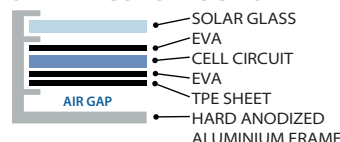
Vmp - Nominal Voltage
Imp - Nominal Current
Voc - Open Circuit Voltage
Isc - Short Circuit Current

PV Logic®
Semi-flexible

From 10wp to 80wp, PV Logic Flexi is well suited for use where a super robust, low profile and lightweight panel is needed, or the substrate to which the panel will be fixed has a slight curve. Ideal for marine buoys, boat decks, camper vans etc.

SELF HEALING SURFACE+

CELL PERFORMANCE WARRANTY
20 YEARS

Power	Size (mm)	Weight (kg)	Watts per day (W)	Amp hours per day (A)	Charge Controller	Pmax (WP)	Vmp (VDC)	Imp (A)	Voc (V)	Isc (A)
5W	240 x 250 x 4	0.4	30	1.68	N/A	5	17.6	0.28	21.9	0.31
10W	380 x 250 x 4	0.6	60	3.42	N/A	10	17.6	0.57	21.9	0.61
20W	475 x 345 x 4	0.8	120	6.84	10Ah	20	17.6	1.14	21.9	1.23
60W	1450 x 315 x 4	3.0	360	20.22	10Ah	60	17.8	3.37	22.1	3.64
80W	806 x 665 x 4	3.8	480	27.30	10Ah	80	17.6	4.55	21.9	4.91
100W	1000 x 665 x 4	4.3	600	36.84	10Ah	100	17.6	6.14	21.9	6.68
120W	1160 x 665 x 4	5.6	720	40.92	10Ah	120	17.6	6.82	21.9	7.36
150W	1515 x 665 x 4	6.7	900	51.12	10Ah	150	17.6	8.52	21.9	9.20

Self-healing top surface
ETFE top layer has a memory effect or self-healing capacity in the event the panel is slightly scratched etc, any slight abrasions are 'healed' within a few hours. The Flexi range can even be walked on with soft deck shoes! The ETFE is dimpled to further protect the panel and provide an anti-slip surface, useful if the panel is fitted to a boat deck.

Completely waterproof
Each panel is assembled to ensure complete encapsulation. This ensures the 6 layer heavy duty laminate protects the solar cell circuit from extreme conditions. The junction box is also injected with special silicon, guaranteeing no water ingress.

Cells protected from hot spots
Partial shading of a solar panel occur sometimes and heat build-up and damaging hot spots can occur leading to a significantly reduced life cycle of the panel. The larger 60w and 80w PV Logic Flexi panels have up to two shading diodes housed within the fully waterproof junction box to prevent this occurrence.

Superior design
Rounded panel corners and a unique curved junction box provide superior adhesion, no snag lamination and no sharp edges. The junction box is mechanically fixed in addition to being bonded to the panel. Strain relief is provided for the fitted 4m UV stabilised PV cable ensuring it cannot be accidentally pulled from the junction box.

Easy fix
The Flexi range can be bonded to flat or slight curved surfaces (3cm curve per metre) such as painted aluminium, metal, GRP and fibreglass using Simson ISR 70-03. The aluminium layer is also pre-drilled with 4.5mm holes should the panel need to be mechanically fixed as well as, or instead of bonding.

PV Logic Flexi – Semi Flexible Solar Panels

751-STPVF05	5w Basic Kit	£55.00
751-STPVF005BP	5w Bulk Pack (**5-Pack**)	£230.00
751-STPVF010	10w Basic Kit	£70.00
751-STPVF010BP	10w Bulk Pack (**5-Pack**)	£310.00
751-STPVF020	20w Basic Kit	£90.00
751-STPVF020MA	20w Basic Kit + 10Ah Charge Controller	£125.00
751-STPVF020BP	20w Bulk Pack (**5-Pack**)	£410.00
751-STPVF060	60w Basic Kit	£225.00
751-STPVF060MA	60w Basic Kit + 10Ah Charge Controller	£260.00
751-STPVF080	80w Basic Kit	£250.00
751-STPVF080MA	80w Basic Kit + 10Ah Charge Controller	£285.00
751-STPVF100	100w Basic Kit	£300.00
751-STPVF100-SCE	100w Top Exit Kit	£300.00
751-STPVF100BP	100w Basic Kit Bulk Pack (2 panels)	£555.00
751-STPVF100BP-SCE	100w Top Exit Kit Bulk Pack (2 panels)	£555.00
751-STPVF100MA	100w Basic Kit + 10Ah Charge Controller	£335.00
751-STPVF100MA-SCE	100w Top Exit Kit & 10ah Charge Controller	£335.00
751-STPVFB100	100w Basic Kit (BLACK)	£300.00
751-STPVFB100BP	100w Basic Kit (BLACK) Bulk Pack (2 pack)	£555.00
751-STPVFB100MA	100w Basic Kit (BLACK) & 10ah Charge Controller	£335.00
751-STPVF120	120w Basic Kit	£350.00
751-STPVF150	150w Basic Kit	£420.00

7 LAYER CONSTRUCTION

- ETFE SHEET
- EVA
- CELL CIRCUIT
- EVA
- ALUMINIUM SHEET – POWDER COATED
- EVA
- TPE SHEET
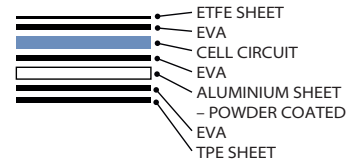
Standard Motorhome Kit

751-STPMH20	20w Standard Kit	£155.00
751-STPMH30	30w Standard Kit	£180.00
751-STPMH60	60w Standard Kit	£220.00
751-STPMH80	80w Standard Kit	£250.00
751-STPMH100	100 w Standard Kit	£270.00

Motorhome Kit plus ABS Fitting Kit

751-STPMH20PB	20w ABS Fitting Kit	£155.00
751-STPMH30PB	30w ABS Fitting Kit	£180.00
751-STPMH60PB	60w ABS Fitting Kit	£220.00
751-STPMH80PB	80w ABS Fitting Kit	£250.00

Motorhome Kit plus Aero Fitting Kit

751-STPMH20AE	20w AERO Kit	£155.00
751-STPMH30AE	30w AERO Kit	£180.00
751-STPMH60AE	60w AERO Kit	£220.00
751-STPMH80AE	80w AERO Kit	£250.00

PV Logic Flexi – Deck Top Kits

751-STPVFRT005	5w Deck Top Kit	£90.00
751-STPVFRT010	10w Deck Top Kit	£105.00
751-STPVFRT020	20w Deck Top Kit	£160.00
751-STPVFRT060	60w Deck Top Kit	£295.00
751-STPVFRT080	80w Deck Top Kit	£320.00
751-STPVFRT100	100w Deck Top Kit	£370.00
751-STPVFBRT100	100w Deck Top Kit (Black)	£370.00
751-STPVFBRT100PT	100w Deck Top Kit (Black) c/w MPPT Reg. Charge Controller	£400.00

PV Logic®
Semi-flexible

The PC Logic Flexi Roof and Decktop Kit contains everying you need to install the lightweight and semi flexible solar panel onto the deck of your boat.

Includes:
- Panel
- Bonding agent
- Waterproof Gland

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

PV Logic Fold-Up Solar Panels

751-STFP08	8w Fold Up Solar Panel	£35.00
751-STFP40	40w Fold Up Solar Panel	£170.00
751-STFP60	60w Fold Up Solar Panel	£210.00
751-STFP90	90w Fold Up Solar Panel	£260.00

The PV Logic range of foldup solar panels offers a highly portable power system which is quick and easy to use. Particularly useful for caravans and motorhomes, each panel has its own integrated stand, charge controller and battery connections – just open up and connect to a battery for instant power.

Power	Size (Closed) mm	Weight Kgm	Typical Watt per day	Charge Controller Req'd
8W	198 x 230 x 15	0.6	52	No*
40W	500 x 353 x 76	7.0	260	Yes
60W	500 x 500 x 76	8.5	585	Yes
90W	700 x 500 x 76	11.5	585	Yes

* unless the battery is smaller than 60A

40W Fold Up Solar Panel

NEW 2021

8W Fold Up Solar Panel

Lifos Lithium Battery

751-LB0068	68Ah	£699.00
751-LB0105	105Ah	£999.00

The Lifos Lithium Battery is an advanced battery using the new premium in lithium battery chemistries - Lithium Iron Phosphate (LiFePO⁴)-which delivers reliable and safe power in virtually all conditions. Perfect for voltage sensitive and high cycling applications including leisure, commercial and off grid renewable energy installations.

- **Lightweight and Powerful** - Weighing just 7.8kg the 68Ah Lifos is 77% lighter than a good quality 120Ah lead acid battery
- **Maximising flexibility** - Fitted with removable terminal posts so that the ring terminals can be connected directly to the terminal plates
- **Vast Temperature range** - from -20 to +60°C
- **68Ah model** equivalent to 120Ah lead acid battery
- **105Ah model** equivalent to 200Ah lead acid battery

- **Easy Installation** - Can be used in any orientation (provides best performace when on its base) and does not need to be housed in a specially vented chamber
- **Intelligent charging** - The integral Battery Management System (BMS) ensures Lifos can be charged and discharged up to six times more than alternative options. Price per cycle 25p. BMS also guarantees the depth of discharge does not exceed 90%

15A Dual Battery MPPT Pro Charge Controller

751-STCC15M	£110.00

- Reverse current protection
- Unique dual battery charging function
- Efficient MPPT charging, increases battery lifetime and improves solar system performance upto 20%
- 12/24V automatic recognition
- Protection from overload, open circuit, lightning surge, deep discharge
- Charge current protection up to 15A
- Bluetooth with Apple and Android apps available
- Optional display unit available

MPPT Pro Activity Monitor

751-STCC15DIS	£40.00

For those who do not use a smart phone, this optional 10cm x 10cm data display provides all the required information on a press to illuminate wall mounted LCD display. It connects directly to the MPPT Pro by a supplied 5m cable and connector.

Deluxe All Weather Battery Box

751-BB0001	£67.50

The All Weather Battery box is ideal to hold a battery (up to 110Ah) and charge controller in a dry and safe environment. With 1 x input / output socket and 2 x high power wingnut terminals (for running up to two different appliances simultaneously), it enables any installation to be housed in a tidy professional way. The battery box incorporates a simple meter indicating battery power levels.

Accessories

751-FL6002	FREELOADER Supercharger 5W	£50.00
751-STCC10	10Ah 12/24v 2 Battery Controller	£40.00
751-STMP006	White Single / Double Waterproof Cable Gland	£17.50
751-STMP010	Black Single / Double Waterproof Cable Gland	£17.50
751-ISR7003	Panel Bonding Agent	£20.00

Cable Gland

Battery Controller

MARINCO

ELECTRICAL CONNECTORS

003-845000	Marinco 16 Amp/230V S/S Inlet	£111.00
003-845003	16 Amp/230V Connector	£41.30
003-845004	16 Amp/230V Waterproof Shroud & ring	£26.10
003-845005	16A 230V Watertight connector cap	£11.10
003-845013	16 Amp Cordset 20 metre with Connector	£214.90
003-845049	Marinco 32 Amp/230V S/S Inlet	£172.60
003-845053	32 Amp/230V Connector	£125.90
003-845054	32A 230V Waterproof Shroud & ring	£40.30
003-845055	32A 230V Watertight connector cap	£11.00
003-845201	12V Marinco Socket	£22.90
003-845207	12V Marinco Plug	£14.60
003-845208	12V Marinco Plug & Socket	£30.40
003-845222	12V Marinco Trolling Plug	£40.30

Marinco Power Inlets are the industry standard.

By using boatside connectors which lock in place and cannot accidentally "pull" out, it is the safest way to connect to a shorebased power supply.

- Easy lock in place design
- Can be used with other systems
- 316 Stainless or non-metallic inlets
- Soft touch open/close system
- IP56 Rated
- 5 Year Warranty

Marinco 16 A / 230V Stainless Steel Inlet 003-845000

16A/230V Connector 003-845003

16A/230V Waterproof Shroud & Ring 003-845004

Watertight Connector Cap 003-845055

20m 16A Cordset with Connector 003-845013

32A/230V Connector 003-845053

32A/230V Waterproof Shroud & Ring 003-845054

12V Socket 003-845201

12V Plug 003-845207

12V Trolling Plug 003-845222

GUEST DYNAPLATE

003-844006	Standard Dynaplate	£99.60
003-844008	D8 Dynaplate	£179.20
003-844012	Giant Dynaplate	£286.70
003-844018	Super Dynaplate	£793.80

Create a proper bonding and grounding system using Dynaplate grounding shoes to reduce the risk of serious hull damage and electrical shock associated with boat lightning strikes by providing a direct, controlled high-capacity path for lightning dissipation. SSB and AM radio transmitters rely upon a proper size ground to operate to their designed capacity. A Dynaplate grounding shoe helps provide a large solid surface (the water surrounding the boat) to "push off" from. This is technically known as "counterpoise" and is the other necessary half of the antenna system. The bronze Dynaplate material also serves as the next sacrificial metal on the galvanic scale after the zincs, providing another buffer against corrosion of stainless steel parts.

- Improves performance of electronics and reduces RF interference
- Offers the best path for hull bonding without long runs of copper foil
- Deters electrolysis and galvanic corrosion
- Sintered porous bronze sphere construction for maximum conductivity in a compact size
- Low, drag non-fouling shape
- Easy to clean with wire brush
- Conforms to ABYC standards
- Mounting hardware included
- Gold plated mounting bolt, Bronze mounting nuts & Copper washers

Standard Dynaplate

D8 Dynaplate

Giant Dynaplate

Super Dynaplate

Dynaplate	Dimensions (cm)			Mounting Holes (cm)	Weight (Kg)
	W	H	D		
Standard (844006)	15.0	5.0	1.25	6.25	1.36
D8 (844008)	20.0	6.25	1.25	10.0	2.27
Giant (844012)	30.0	7.5	1.25	15.0	3.18
Super (844018)	45.0	15.0	1.25	31.25* / 7.5 **	5.90

* Across / ** Top to bottom

All prices SRP inc VAT. For trade prices and stock availability visit www.smgeurope.com

PowerVerter 24VDC to 12VDC

24VDC - 12VDC isolated and non-isolated Voltage Converters.

DD Series

Used for installing 24VDC equipment on a 12VDC electrical system or for stabilising the voltage or isolating your supply at 12VDC-12VDC and 24VDC–24VDC.

	WATT RATING						
	36W	72W	108/144W	168/216W	240/288W	400W	600W
24V–12V NON-ISOLATED Converters	PV3s 3Amp	PV6s 6Amp	PV12s 12Amp	PV18s 18Amp	PV24s 24Amp		PV50s 50Amp
24V–12V ISOLATED Converters	PV3i 3Amp	PV6i 6Amp	PV12i 12Amp	PV18i 18Amp	PV24i 24Amp		
24V–12V Dual Output Switched NON-ISOLATED	PV3s-A 3Amp	PV6s-A 6Amp	PV12s-A 12Amp				
12V–24V NON-ISOLATED Converters		DD12-24 072 3Amp		DD12-24 168 7Amp	DD12-24 240 10Amp	DD12-24 400 17Amp	DD12-24 600 25Amp
12V–12V ISOLATED Converters	DDi12-12 036 3Amp	DDi12-12 072 6Amp	DDi12-12 108 9Amp	DDi12-12 168 14Amp			
24V–24V ISOLATED Converters	DDi24-24 036 1.5Amp	DDi24-24 072 3Amp	DDi24-24 108 4.5Amp	DDi24-24 168 7Amp	DDi24-24 240 10Amp		
48V–12V NON-ISOLATED Converters		DD48-12 072 6Amp	DD48-12 108 9Amp		DD48-12 240 20 Amp		
48V–12V ISOLATED Converters	DDi48-12 036 3Amp	DDi48-12 072 6Amp	DDi48-12 108 9Amp				

INPUT & OUTPUT

☐ Denotes non-isolated common earth products.

☐ Provides isolation between input and output, and help to reduce EMC interference.

All of these products are also available in IP65 versions. Please add the suffix -RU to the part number when ordering.

	Input Voltage	Output Voltage	Output Current Continuous	Output Current Intermittent	SSP Inc VAT
PowerVerter Range - 24VDC to 12VDC - Non Isolated					
011-PV3S	24 VDC	12 VDC	3 Amps	6 Amps	£27.50
011-PV6S	24 VDC	12 VDC	6 Amps	10 Amps	£36.22
011-PV12S	24 VDC	12 VDC	12 Amps	18 Amps	£60.91
011-PV18S	24 VDC	12 VDC	18 Amps	21 Amps	£87.10
011-PV24S	24 VDC	12 VDC	24 Amps	30 Amps	£116.16
011-PV3S-A Dual Output	24 VDC	12 VDC	3 Amps	6 Amps	£34.37
011-PV12S-A Dual Output	24 VDC	12 VDC	12 Amps	18 Amps	£88.70
011-PV50S	24 VDC	12 VDC	50 Amps	60 Amps	£336.19
PowerVerter Range - 24VDC to 12VDC -Isolated					
011-PV3I	24 VDC	12 VDC	3 Amps	6 Amps	£55.10
011-PV6I	24 VDC	12 VDC	6 Amps	10 Amps	£72.55
011-PV12I	24 VDC	12 VDC	12 Amps	18 Amps	£121.99
011-PV18I	24 VDC	12 VDC	18 Amps	21 Amps	£174.31
011-PV24I	24 VDC	12 VDC	24 Amps	30 Amps	£232.49
Also available - Railway Approved versions on selected models - POA					
DD Series - 12VDC - 24VDC - UP Non Isolated					
011-DD12-24 072	12 VDC	24 VDC	3 Amps	4 Amps	£100.99
011-DD12-24 168	12 VDC	24 VDC	7 Amps	9 Amps	£145.34
011-DD12-24 240	12 VDC	24 VDC	10 Amps	12 Amps	£204.60
011-DD12-24 400	12 VDC	24 VDC	16 Amps	N/A	£251.59
Also available - DD Series - 48VDC - 12VDC - Non Isolated - POA					
DD Series - Wide Input - Extra Low Voltage - Non Isolated					
011-DD9/32-5035	9-32 VDC	5 VDC	7 Amps	N/A	£32.95
DDi Series - 12VDC - 12VDC - Isolated					
011-DDI12-12036	12 VDC	12 VDC	3 Amps	4 Amps	£77.04
011-DDI12-12072	12 VDC	12 VDC	6 Amps	10 Amps	£101.21
011-DDI12-12108	12 VDC	12 VDC	9 Amps	10 Amps	£146.38
011-DDI12-12168	12 VDC	12 VDC	14 Amps	N/A	£174.74
DDi Series - 24VDC - 24VDC - Isolated					
011-DDI24-24072	24 VDC	24 VDC	3 Amps	4 Amps	£101.21
011-DDI24-24108	24 VDC	24 VDC	4.5 Amps	6 Amps	£146.38
011-DDI24-24168	24 VDC	24 VDC	7 Amps	9 Amps	£174.74
011-DDI24-24240	24 VDC	24 VDC	10 Amps	12 Amps	£308.16
Also available - DDi Series - 48VDC - 12VDC - Isolated - POA					

RU Series

Selected models of PowerVerter and DD series models also available as IP 65 RU (Ruggedised) versions - POA

INTELLIGENT BATTERY CHARGERS

IC / ICi Series

The rugged, fully protected (IP65) Intelligent Battery Chargers offer an ideal way of charging any type of lead acid battery safely and reliably.

4 stage charger, with 5th terminal for trickle charging as an alternative. Galvanically isolated.

	Input Voltage	Output Voltage	Output Current Continuous	SSP Inc VAT
ICi Series - Intelligent Battery Charger - DC - DC				
011-ICI12-12072	12 VDC	12 VDC	6 Amps	£118.44
011-ICI24-12144	24 VDC	12 VDC	12 Amps	£118.44
011-ICI24-24144	24 VDC	24 VDC	6 Amps	£118.44

alfatronix
POWER. NO COMPROMISE.

AD Series

The AD series units may be used to supply mobile radios and other appliances from AC mains used in offices, portable site cabins, communication cabins, telephone exchanges, remote antennae sites, ships, oil rigs, etc.

	Input Voltage	Output Voltage	Output Current Continuous	Output Current Intermittent	SSP Inc VAT
AD Series Brick in the lead - 85-135 VAC & 170-265 VAC to 12, 24 or 48 VDC					
Units with 12VDC Output					
011-AD12036	*	12V	36W	3 Amps	£100.99
011-AD12072	*	12V	72W	6 Amps	£132.94
011-AD12108	*	12V	108W	9 Amps	£179.11
011-AD12168	*	12V	168W	14 Amps	£223.42
011-AD12240	*	12V	240W	20 Amps	£411.12
Units with 24VDC Output					
011-AD24036	*	24V	36W	1.5 Amps	£100.99
011-AD24072	*	24V	72W	3 Amps	£132.94
011-AD24108	*	24V	108W	4.5 Amps	£179.11
011-AD24168	*	24V	168W	7 Amps	£223.42
011-AD24240	*	24V	240W	10 Amps	£411.12

* 85-135 VAC & 170-265 VAC
Also available - Units with 48VDC Output - POA
Also available - AD Series Desktop Power Supplies - POA

Alfacharge Wireless Chargers

011-AL1	AL1 12/24VDC Wireless Phone Charger	£57.44
011-AL3	AL3 12/24VDC Wireless Phone Charger	£64.20
011-AL4	AL4 Mains powered Wireless Phone Charger	£78.00

- Accepts both 12VDC & 24VDC (AL1/AL3)
- Phone communicates every millisecond to establish correct charge.
- 2A internal fuse to protect against catastrophic failure
- Foreign object detection & activation
- Convenient wide input of 9-32VDC in one standard casing
- LED to confirm correct operation.

AL1 module is typically housed in an apparatus that enables mobile devices to be retained in position on the vehicle during charging.

AL3 wireless charger (surface mount) is typically installed into table tops or other flat surfaces.

AL4 wireless charger (surface mount) is typically installed into table tops or other flat surfaces and powered from the mains.

PowerTector Solid State Battery Guard

	Input Voltage	Output Voltage	Output Current Continuous	SSP Inc VAT
PowerTector - Low Voltage Disconnect IP65				
011-PT10	9 VDC - 32 VDC		10 Amps	£24.00
011-PT20	9 VDC - 32 VDC		20 Amps	£34.80
011-PT40	9 VDC - 32 VDC		40 Amps	£67.20
011-PT60	9 VDC - 32 VDC		60 Amps	£84.91
011-PT100	9 VDC - 32 VDC		100 Amps	£168.00
011-PT200	9 VDC - 32 VDC		200 Amps	£204.00

The PowerTector Battery Guard is a solid state device that will monitor the source voltage and disconnect the battery if the voltage falls below a pre-determined level.

- Can be operated via the ignition or a manual switch
- Remote Audible alarm and/or Visual indicator can be installed
- Programmable terminal disconnect voltage
- LED indicates operational status.
- Models from 40A upwards are mounted in a rugged die cast aluminium casing with glass filled polycarbonate.
- All units are protected to IP65 therefore fully waterproof
- Suitable for both 12VDC and 24VDC electrical systems
- Selected models also available as IP65RU (Ruggedised) - POA

PowerTector PT200

PowerVerter Pro 12/24 - 5V USB Chargers

011-PVPRO-S	Single Output - 2.1A	£19.15
011-PVPRO-D	Double Output - 3.0A (1.5A per socket)	£23.66
011-PVPRO-SFF	Single Output - 2.1A - Front Fitting	£20.52
011-PVPRO-DFF	Double Output - 3.0A - Front Fitting	£25.01

The front fitting system has been improved with a round bezel with tamperproof covering ring to hide the screws.

Electronically, the design now includes automatic short circuit detection, so in the event of tampering or compromise, the unit will automatically shut down, then re-start again once the fault has been removed.

- 12VDC and 24VDC systems
- Up to 2.1A output (single), 3.0A (double) max 1.5A per socket
- Apple and Android compatible
- LED output indicator
- CE and E Marked

Single Output   Dual Output

Front fitting versions for when rear access is limited

PowerVerter PV65R 12/24VDC USB Chargers with IP65

011-PV65R-S	PV65R-S Single Output - 2.1A - IP65	£25.08
011-PV65R-D	PV65R-D Double Output - 3.0A (1.5A each) - IP65	£33.55
011-PV65R-SFF	PV65R-SFF Single Output 2.1A Front Fit - IP65	£26.45
011-PV65R-DFF	PV65R-DFF Double Output 3.0A Front Fit - IP65	£34.92
011-USB-POD	USB-POD Universal mounting pod for USB Chargers	£5.52
011-USB-TPOD	USB-TPOD Table mounting pod for USB Chargers	£6.91
011-PV-USB-H1	PV-USB-H1 Standard 1.2m wiring with inline 2A fuse	£8.35

A durable polyurethane compound encompasses the electronic components offering comprehensive protection against dust and liquid ingress to IP65.

IP65

- 12VDC and 24VDC systems
- Up to 2.1A output (single), 3.0A (double) max 1.5A per socket
- Apple and Android compatible
- LED output indicator

Single Output   Dual Output

Blue Smart Chargers

Blue Smart IP22 - 230VAC - UK BS 1363 Plug

792-BPC121542022	12V/15A (1)	£145.20
792-BPC121544022	12V/15A (3)	£166.80
792-BPC122042022	12V/20A (1)	£174.00
792-BPC122043022	12V/20A (3)	£196.80
792-BPC123042022	12V/30A (1)	£207.60
792-BPC123044022	12V/30A (3)	£236.40
792-BPC241242022	24V/12A (1)	£178.80
792-BPC241642022	24V/16A (1)	£213.60
792-BPC241644022	24V/16A (3)	£242.40

Blue Smart IP65 - 230VAC - UK BS 1363 Plug

792-BPC120533024R	12V/5A (1)	£86.40
792-BPC120731024R	12V/7A (1)	£120.00
792-BPC121031024R	12V/10A (1)	£142.80
792-BPC121531024R	12V/15A (1)	£164.40
792-BPC240831024R	24V/8A (1)	£164.40

Blue Smart IP67 - 180-265 VAC - 1 Output

792-BPC120713006	12V/7A (1)	£115.20
792-BPC121313006	12V/13A (1)	£135.60
792-BPC121713006	12V/17A (1)	£148.80
792-BPC122513006	12V/25A (1)	£194.40
792-BPC122514006	12V/25A (1+si)	£225.60
792-BPC240513006	24V/5A (1)	£115.20
792-BPC240813006	24V/8A (1)	£148.80
792-BPC241213006	24V/12A (1)	£194.40
792-BPC241214006	24V/12A (1+si)	£225.60

- Blue Smart Chargers are the wireless solution to monitor voltage and current, to change settings and to update the charger when new features become available
- Setup, readout and configure the Blue Smart Charger via a smartphone. Display the status of the charger and battery and even control the functions using the VictronConnect app. On the screen the readout of voltage and current is available by default
- Also charges LiFePO$_4$ batteries - they are charged with a simple bulk – absorption – float algorithm.
- Blue Smart Chargers features a microprocessor controlled 'adaptive' battery management. The adaptive feature will automatically optimize the charging process relative to the way the battery is being used.
- With over 92% efficiency, these chargers generate up to four times less heat when compared to the industry standard. And once the battery is fully charged, power consumption reduces to 0,5 Watt, some five to ten times better than the industry standard.

Blue Smart IP22 Charger
- Adaptive 6-stage charge algorithm: test - bulk – absorption - recondition – float – storage
- IP22 - Protected from water spray less than 15 degrees from vertical.

Blue Smart IP65 Charger
- Adaptive 6-stage charge algorithm: test - bulk – absorption - recondition – float – storage
- IP65 - Protected from total dust ingress and low pressure water jets from any direction

Blue Smart IP67 Charger
- Adaptive 5-stage charge algorithm: bulk – absorption – recondition – float – storage
- IP67 - Protected from total dust ingress and immersion between 15 centimeters and 1 meter in depth
- Start Interrupt - si is a second current limited output which is always powered as long as AC voltage is present on the input. This output can for example be used to prevent starting of a vehicle before unplugging the battery charger

VICTRONCONNECT APP

Monitor, operate & configure

Use the VictronConnect App to configure, monitor, update and diagnose your Victron product.

Available for :

Android, iOS, Windows & macOS X.

It can connect to Victron products via Bluetooth, USB and WiFi/LAN/Internet.

	12V					24V		
Battery Size Ah	**4 & 5 A 20-50 Ah**	**7 A 20-70 Ah**	**10 A 30-100 Ah**	**15 A 50-150 Ah**	**25 A 80-250 Ah**	**5 A 20-50 Ah**	**8 A 30-80 Ah**	**13 A 50-130 Ah**
IP65 Charger >>	**12 / 4&5**	**12/7**	**12/10**	**12/15**	**12/25**	**24/5**	**24/8**	**24/13**
🛵	●	●	●	●				
🏍	●	●	●	●				
CLASSIC 🚗	●	●	●	●	●			
MODERN 🚗	●	●	●	●	●			
🚐, 🚚	●	●	●	●	●	●	●	●
🚛						●	●	●
⛵	●	●	●	●	●	●	●	●

● **Recommended**
This is the best charger for this type of battery. The battery will be charged in the most efficient way

● **OK**
This charger can be used for this battery. It is possible that it takes longer to charge the battery than using a recommended charger

Centaur Chargers

792-CCH012020000	12V/20A (3)	£394.80
792-CCH012030000	12V/30A (3)	£438.00
792-CCH012040000	12V/40A (3)	£536.40
792-CCH012050000	12V/50A (3)	£559.20
792-CCH012060000	12V/60A (3)	£580.80
792-CCH012080000	12V/80A (3)	£963.60
792-CCH012100000	12V/100A (3)	£1,178.40
792-CCH024016000	24V/16A (3)	£484.80
792-CCH024030000	24V/30A (3)	£676.80
792-CCH024040000	24V/40A (3)	£885.60
792-CCH024060000	24V/60A (3)	£1,012.80

- Universal 90-265V AC input voltage range
- Suitable for DC supply
- 3 isolated outputs to simultaneously charge 3 battery banks. Each output capable of supplying the full rated current
- 3 stage charging, with temperature compensation ensures batteries are fully charged every time
- Range spans 12V and 24V models from 16A through to 100A
- Optional panels available

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Phoenix Chargers

792-PCH012030001	12V/30A (2+1)	£530.40
792-PCH012050001	12V/50A (2+1)	£709.20
792-PCH024016001	24V/16A (2+1)	£530.40
792-PCH024025001	24V/25A (2+1)	£709.20

- Adaptive 4-stage charge characteristic: bulk – absorption – float – storage
- BatterySafe mode - prevents damage due to excessive gassing
- Storage mode
- Temperature compensation
- Battery voltage sense
- Two full rated outputs and one 4A output
- Universal 90-265V AC input voltage range
- Suitable for DC supply
- Optional panels available

Skylla-I Charger 24V

792-SKI024080000	24V/80A (1+1)	£1,315.20
792-SKI024100000	24V/100A (1+1)	£1,588.80

- 1+1 model - 2 isolated outputs - 2nd output, limited to approx. 4A for starter batteries
- 3 model - three full outputs to charge 3 battery banks
- BatterySafe mode prevents damage due to excessive gassing
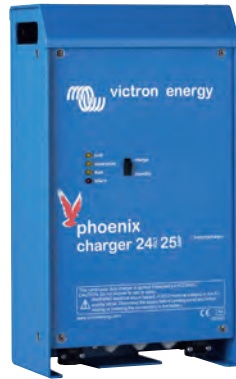- Storage mode: less maintenance & aging when the battery is not in use
- NMEA2000 Canbus connection
- Suitable for AC and DC supply
- Use as a power supply
- Li-Ion (LiFePo4) ready
- Optional panels available

Skylla-IP44 Charger

792-SKY012060000	12/60 (1+1)	£735.60
792-SKY012060100	12/60 (3)	£811.20

- 1+1 model - 2 isolated outputs - 2nd output, limited to approx. 4A for starter batteries
- 3 model - three full outputs to charge 3 battery banks
- IP44 protection
- LCD display for monitoring status
- CAN bus interface (NMEA2000)
- Li-Ion (LiFePo4) ready.

Skylla-TG Charger 24V (GMDSS Options)

Input 230 VAC		
792-SDTG2400301	24V/30A (1+1)	£775.20
792-SDTG2400501	24V/50A (1+1)	£837.60
792-SDTG2400801	24V/80A (1+1)	£1,374.00
792-SDTG2401001	24V/100A (1+1)	£1,658.40
792-STG024050300	24V/50A 3-Phase (1+1)	£1,521.60
792-STG024100300	24V/100A 3-Phase (1+1)	£2,433.60
Input 90 - 265 VAC		
792-SDTG2400303	24V/30A (1+1)	£945.60
792-SDTG2400503	24V/50A (1+1)	£1,023.60
792-SDTG2401003	24V/100A -G (1+1)	£2,022.00
792-SDTG2400302	24V/30A GMDSS (exc. Panel)	£1,184.40
792-SDTG2400504	24V/50A GMDSS (exc. Panel)	£1,488.00
GMDSS Panel		
792-VPN000200000	VE.Net GMDSS Panel	£201.60

- Suitable for AC and DC supply - Except 3 phase input models
- Controlled charging
- 2 isolated outputs - 2nd output, limited to approx. 4A for starter batteries
- Temperature compensation
- Battery voltage sense
- Optional Panels available
- Optional GMDSS Panel available

INVERTERS

Phoenix Inverters 230v 50Hz		
792-PIN122510400	Phoenix 12V/250W UK outlet (BS1363)	£105.60
792-PIN123750400	Phoenix 12V/375W UK outlet (BS1363)	£135.60
792-PIN125010400	Phoenix 12V/500W UK outlet (BS1363)	£169.20
792-PIN121220400	Phoenix 12V/1200W UK outlet (BS1363)	£404.40
792-PIN243750400	Phoenix 24V/375W UK outlet (BS1363)	£135.60
792-PIN245010400	Phoenix 24V/500W UK outlet (BS1363)	£169.20
792-CIN121620000	Phoenix Inverter C 12V/1600W	£846.00
792-PIN123020000	Phoenix Inverter 12V/3000W	£1,354.80
792-CIN241620000	Phoenix Inverter C 24V/1600W	£846.00
792-PIN243020000	Phoenix Inverter 24V/3000W	£1,354.80
792-PIN245020000	Phoenix Inverter 24V/5000W	£2,131.20
Schuko outlet available on selected models		

Phoenix 250VA - 1200VA

- Extra start-up power
- LED diagnosis
- Remote on/off switch
- BS1363 Socket
- Available with IEC or UK Outlet
- Optional panels available

Phoenix 1200VA - 5000VA

- Extra start-up power - suited to power up difficult loads such as refrigeration compressors, electric motors
- Virtually unlimited power thanks to parallel operation capability (3kVA / 5kVA models only). Up to 6 units inverters can operate in parallel to achieve higher power output
- Automatic transfer switch
- Optional panels available

INVERTERS / CHARGERS COMBINATIONS

Multi Plus 800VA - 5kVA

Multi Plus Compact

792-CMP121220000	Compact 12V/1200W/50-16	£1,009.20
792-CMP121620000	Compact 12V/1600W/70-16	£1,032.00
792-CMP122200000	Compact 12V/2000W/80-30	£1.290.00
792-CMP241220000	Compact 24V/1200W/25-16	£1,009.20

Multi Plus

792-PMP122160000	12V/1600W/70-16	£883.20
792-PMP122300001	12V/3000W/120-16	£1,593.60
792-PMP123021010	12V/3000W/120-50	£1,716.60

MultiPlus Compact   **MultiPlus**

- 2 AC Outputs
- Virtually unlimited power thanks to parallel operation - Up to 6 Multi's can operate in parallel to achieve higher power output (3kW / 5kW versions only)
- High-speed AC transfer switch
- Three phase capability
- PowerControl - Dealing with limited generator, shore side or grid power
- PowerAssist - Boosting shore or generator power
- 4 stage adaptive charger & dual bank battery charging
- Optional panels available

Contact your account manager for further options not listed above.

Quattro 3kVA - 15kVA

792-QUA123020010	12/3000/120 - 50/50	£2,421.60
792-QUA125020000	12/5000/220 - 100/100	£3,771.60
792-QUA243020010	24/3000/70 - 50/50	£2,300.40
792-QUA245021010	24/5000/120 - 100/100	£3,153.60
792-QUA248020010	24/8000/200 - 100/100	£3,979.20

- 2 AC inputs with integrated transfer switch. Can be connected to two independent AC sources. Automatically connects to the active source
- 2 AC Outputs. 2nd output is live only when AC is available on one of the inputs
- Virtually unlimited power thanks to parallel operation
- Three phase capability
- PowerControl - Dealing with limited generator, shore-side or grid power
- PowerAssist - Boosting shore or generator power
- Solar energy: AC power available even during a grid failure. Can be used in off-grid, grid connected PV and other alternative systems
- Optional panels available

ISOLATION TRANSFORMERS

792-ITR040202041	Isolation Transformer 2000W	£541.20
792-ITR040362041	Isolation Transformer 3600W	£763.20
792-ITR000702001	Isolation Transformer 7000W	£993.60
792-ITR000100001	Autotransformer 120/240VAC-32A	£614.40
792-GDI000016000	Galvanic Isolator VDI-16 A	£111.60
792-GDI000032000	Galvanic Isolator VDI-32 A	£229.20

- Prevents electrolytic corrosion & above all serves as a device to guarantee a safe electric system
- Toroidal wound technology for quietness and high efficiency
- Soft start circuitry ensures that the shore circuit breaker will not trip when plugged in

ORION CONVERTERS

DC/DC Converters - Low Power, Non-isolated

792-ORI241205200	Orion Tr 24/12-5 (60w)	£19.20
792-ORI241210200	Orion Tr 24/12-10 (120w)	£39.60
792-ORI241215200	Orion Tr 24/12-15 (180w)	£44.40
792-ORI241220200	Orion Tr 24/12-20 (240w)	£50.40

DC/DC Converters - High Power, Non-isolated

792-ORI241225020	Orion 24/12-25	£79.20
792-ORI241270020	Orion 24/12-70	£157.20
792-ORI122408020	Orion 12/24-8	£64.80
792-ORI122410020	Orion 12/24-10	£79.20
792-ORI122420020	Orion 12/24-20	£177.60

DC/DC Converters - IP67 24/12, Not isolated

792-ORI241205260	Orion IP67 24/12-5A (60w)	£26.40
792-ORI241210260	Orion IP67 24/12-10A (120w)	£44.40
792-ORI241220160	Orion IP67 24/12-20A (240w)	£56.40
792-ORI241221226	Orion IP67 24/12-100A (1200w)	£273.60

DC/DC Converters - Isolated - 110-120W

792-ORI121210110	Orion-Tr 12/12-9A (110W)	£72.00
792-ORI122410110	Orion-Tr 12/24-5A (120W)	£72.00
792-ORI241210110	Orion-Tr 24/12-9A (110W)	£72.00
792-ORI242410110	Orion-Tr 24/24-5A (120W)	£72.00
792-ORI244810110	Orion-Tr 24/48-2,5A (120W)	£72.00

DC/DC Converters - Isolated - 220-280W

792-ORI121222110	Orion-Tr 12/12-18A (220W)	£130.80
792-ORI241224110	Orion-Tr 24/12-20A (240W)	£130.80
792-ORI242428110	Orion-Tr 24/24-12A (280W)	£130.80
792-ORI244828110	Orion-Tr 24/48-6A (280W)	£130.80

- Offers efficient, lightweight & compact solutions for DC voltage conversion.
- Models include:

  - Step up   - Isolated
  - Step down   - Non-isolated

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BLUE POWER

SOLAR CHARGE CONTROLLERS

BlueSolar MPPT

792-SCC010015050R	75/15	£98.40
792-SCC010015200R	100/15	£120.00
792-SCC020030200	100/30	£219.60
792-SCC020050200	100/50	£328.80
792-SCC020035000	150/35	£328.80

SmartSolar MPPT with BlueTooth

792-SCC075015060R	75/15	£132.00
792-SCC110015060R	100/15	£153.60
792-SCC110020060R	100/20	£164.40
792-SCC110030210	100/30	£252.00
792-SCC110050210	100/50	£361.20
792-SCC115035210	150/35	£361.20

Common Features

- Ultra-fast Maximum Power Point Tracking (MPPT)
- Advanced Maximum Power Point Detection in case of partial shading conditions
- Outstanding conversion efficiency
- Natural convection cooling
- Automatic battery voltage recognition
- Flexible charge algorithm
- Over temperature protection and power derating when temperature is high
- SmartSolar models include Bluetooth which can be disabled
- BlueSolar models do not include Bluetooth by default but can be by connecting the VE.Direct Bluetooth Smart dongle

MPPT Control

792-SCC900500000	£56.40

- View live status, including solar watts, battery voltage, charge current, load current and more
- View historical information : All-time values & 30-day historical values
- MPPT setup

> Connect the MPPT Control to the BlueSolar MPPT Charge Controller with a VE.Direct cable. Note cable is not included and purchased separately

SOLAR CHARGERS

792-SCC010010000	Blue Solar 12/24v 10a Charger	£32.40
792-SCC010005000	Blue Solar 12/24v 5a Charger	£27.60

- Load output with low battery voltage disconnect function.
- Lighting control function, one timer only.
- Two digit seven segment display for quick and easy setting of the load output functionality, including timer setting.
- Three stage battery charging (bulk, absorption, float), not programmable.
- Load output protected against over load and short circuit.
- Protected against reverse polarity connection of the solar array and/or battery.
- Day/night timing options: see manual for details

SOLAR PANELS

BlueSolar Panels - Series 4a

792-SPM040201200	20W-12V Mono 440x350x25mm	£33.60
792-SPM040301200	30W-12V Mono 560x350x25mm	£39.60
792-SPM040401200	40W-12V Mono 425x668x25mm	£50.40
792-SPM040551200	55W-12V Mono 545x668x25mm	£66.00
792-SPM040901200	90W-12V Mono 780x668x30mm	£103.20
792-SPM041151200	115W-12V Mono 1015x668x30mm	£117.60
792-SPM041751200	175W-12V Mono 1485x668x30mm	£156.00
792-SPM042152400	215W-24V Mono 1580x808x35mm	£229.20

- Low voltage-temperature coefficient enhances high-temperature operation
- Exceptional low-light performance and high sensitivity to light across the entire solar spectrum
- 25-Year limited warranty on power output and performance
- 5-Year Limited warranty on materials and workmanship
- Sealed, waterproof, multifunctional junction box gives high level of safety
- High performance bypass diodes minimize the power drop caused by shade
- Advanced EVA (Ethylene Vinyl Acetate) encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation
- A sturdy, anodized aluminium frame allows modules to be easily roof-mounted with a variety of standard mounting systems
- Highest quality, high-transmission tempered glass provides enhanced stiffness and impact resistance
- Pre wired quick-connect system with PV-ST01 connectors

SHORE POWER

Power Inlet with cover 16A

792-SHP301602000	Stainless Steel	£92.40
792-SHP301603000	Polyamid	£63.60

- CE certified shore power inlet with Glass filled PA6 Cover or Solid cast 316 Stainless Steel Cover
- Brass, Nickel plated Pins.
- Current / Voltage Rating : 16A / 250VAC.
- IEC 60309, 2p+E Standard.
- CE certified & Waterproof IP56.

Plug 16A for Power Inlet

792-SHP301604000	£73.20

- Plug 16A/250Vac (2p/3w) for Power Inlet 16A.

Shore Power Cord 16A/250VAC

792-SHP302501500	15m	£164.40
792-SHP302502500	25m	£223.20

- CE certified shore power cable with moulded IEC 60309 3 pin plug and connector.
- Features a power indication LED and protective cap on female connector for additional safety.
- Current Rating (A): 16
- Cable Type: H07BQ-F 3x 2,50mm²
- Plug Type: Moulded IEC 60309 2p+E
- Waterproof Rating: IP56
- Weight (kg): 4.3
- Warranty: 5 Years

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B L U E   P O W E R

BATTERIES

AGM Deep Cycle Battery

792-BAT406225084	6V / 240Ah	£345.60
792-BAT212070084	12V / 8Ah	£25.20
792-BAT212120086	12V / 14Ah	£45.60
792-BAT212200084	12V / 22Ah	£62.40
792-BAT412350084	12V / 38Ah	£146.40
792-BAT412550084	12V / 60Ah	£169.20
792-BAT412800084	12V / 90Ah	£249.60
792-BAT412101084	12V / 110Ah	£312.00
792-BAT412121084	12V / 130Ah	£368.40
792-BAT412151084	12V / 165Ah	£466.80
792-BAT412201084	12V / 220Ah	£570.00

GEL Deep Cycle Battery

792-BAT412550104	12V / 60Ah	£194.40
792-BAT412600104	12V / 66Ah	£242.40
792-BAT412800104	12V / 90Ah	£255.60
792-BAT412101104	12V / 110Ah	£318.00
792-BAT412121104	12V / 130Ah	£372.00
792-BAT412151104	12V / 165Ah	£478.80
792-BAT412201104	12V / 220Ah	£585.60

- **Sealed AGM (Absorbent Glass Mat) batteries**. Suitable for short-time delivery of very high currents (i.e. engine starting)
- **Sealed Gel batteries** – Longer service life & better cycle capacity
- VRLA or Valve Regulated Lead Acid batteries are sealed, allowing gas to escape through the safety valves only in case of overcharging or cell failure

- Exceptional leak resistance, and can be used in any position. Maintenance free for life
- Exceptional discharge recovery, even after deep or prolonged discharge
- Can be stored up to a year without recharging if kept under cool conditions because of the use of lead calcium grids & high purity materials
- Self-discharge rate less than 2% per month at 20°C

ARGODIODE BATTERY ISOLATORS

Argodiode Isolators (with compensation diodes)

792-ARG080202000	Argodiode 80-2SC - 2 Batteries 80a with Alternator Energize Input	£44.40
792-ARG080201000	Argodiode 80-2AC - 2 Batteries 80a	£56.40
792-ARG100301000R	Argodiode 100-3AC - 3 Batteries 100a	£75.60
792-ARG120201020R	Argodiode 120-2AC - 2 Batteries 120a	£84.00

- Allows simultaneous charging of two or more batteries from one alternator, without connecting the batteries together. Discharging the accessory battery for example will not result in also discharging the starter battery
- Low voltage drop thanks to the use of Schottky diodes: at low current the voltage drop is approximately 0,3 V and at the rated output approximately 0,45 V
- Fitted with a compensation diode that can slightly increase the output voltage of the alternator to compensate for the voltage drop over the diodes in the isolator

ARGOFET BATTERY ISOLATORS

792-ARG100201020	Argofet 100-2 - 2 Batteries 100A	£111.60
792-ARG100301020	Argofet 100-3 - 3 Batteries 100A	£128.40
792-ARG200201020	Argofet 200-2 - 2 Batteries 200A	£133.20
792-ARG200301020	Argofet 200-3 - 3 Batteries 200A	£157.20

- Allows simultaneous charging of two or more batteries from one alternator (or a single output battery charger), without connecting the batteries together. Discharging the accessory battery for example will not result in also discharging the starter battery.
- In contrast with Diode Battery Isolators, FET Isolators have virtually no voltage loss. Voltage drop is less than 0,02 Volt at low current and averages 0,1 Volt at higher currents.

INTELLIGENT BATTERY COMBINERS

792-CYR010120011	Cyrix-CT 12/24V-120A	£49.20
792-CYR010230010	Cyrix-CT 12/24V-230A	£122.40
792-CYR010400000	Cyrix-i 12/24V-400A	£261.60

- A microprocessor controlled heavy duty relay that automatically connects batteries in parallel when one of them has reached a pre-set voltage (indicating that the battery is being charged), and disconnects when the voltage decreases below float level (indicating that one or more batteries are being discharged)
- Cyrix Battery Combiners are an excellent replacement for diode isolators
- Virtually no voltage loss so that the output voltage of alternators or battery chargers does not need to be increased

BATTERY PROTECTORS

792-BPR000065400	12/24V-65A	£44.40
792-BPR000100400	12/24V-100A	£66.00
792-BPR000220400	12/24V-220A	£108.00

- Disconnects the battery from non-essential loads before it is completely discharged or before insufficient power left to crank the engine
- 12/24V auto ranging
- Fully programmable with simple 'countdown' program
- Over voltage protection
- Ignition proof
- Delayed alarm output & Delayed load disconnect

CABLES

VE.Direct Cable

792-ASS030530209	VE.Direct Cable 0.9m	£16.80
792-ASS030530218	VE.Direct Cable 1.8m	£16.80
792-ASS030530230	VE.Direct Cable 3m	£19.20
792-ASS030530250	VE.Direct Cable 5m	£20.40
792-ASS030530310	VE.Direct Cable 10m	£25.20

RJ45 UTP Cable

792-ASS030064920	RJ45 UTP Cable 0,9 m	£8.40
792-ASS030064950	RJ45 UTP Cable 1,8 m	£10.80
792-ASS030064980	RJ45 UTP Cable 3 m	£13.20
792-ASS030065000	RJ45 UTP Cable 5 m	£16.80
792-ASS030065010	RJ45 UTP Cable 10 m	£19.20
792-ASS030065020	RJ45 UTP Cable 15 m	£27.60
792-ASS030065030	RJ45 UTP Cable 20 m	£32.40
792-ASS030065050	RJ45 UTP Cable 30 m	£38.40

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BLUE POWER

Phoenix Charger Control

792-REC010001110	**£98.40**

- Provides remote control and monitoring of the charge process with LED indicators
- Adjust output current to limit the current and thus the power drawn from AC supply
- Particularly useful when operating the charger from limited shore power or small gensets
- Also use to change battery charging parameters
- LED brightness automatically reduced at night time
- Connect to charger with a standard UTP cable

Cerbo GX & GX Touch Display

792-BPP900450100	Cerbo GX	**£328.80**
792-BPP900455050	GX Touch 50 Display	**£246.00**

- Perfect control over your system from wherever you are and maximises its performance
- Simply connect through the Victron Remote Management (VRM) portal, access directly, using the separate GX Touch 50, a MFD or our VictronConnect app thanks to its added Bluetooth capability
- Monitor the battery state of charge, power consumption, power harvest from PV, generator, and mains, or check tank levels and temperature measurements
- Optional GX Touch 50 display allows you to have an instant overview of your system and adjust settings in the blink of an eye. Its super slim 5 inch waterproof design, top-mountable setup and its simple installation bring a lot of flexibility when creating a crisp and clean dashboard

Color Control GX

792-BPP010300100R	**£576.00**

- The communication-centre of your installation
- Offers at-a-glance live information, and lets you control all products connected to it
- Full remote system control is gained by using the free-to-use Victron Remote Management Portal (VRM).

VE.Bus Smart Dongle

792-ASS030537010	**£87.60**

- Bluetooth accessory for our range of inverter/chargers: Multis, MultiPlusses, MultiPlus-II, MultiGrid, MultiGrid-II, Quattros, and our series of Phoenix Inverters with a VE.Bus port. When installed, use the VictronConnect app to monitor operation and also operate the system: change the input current limit as well as switch between Off, On and Charger-only modes
- Also works as a Voltage- and Temperature-sense device for the inverter/charger - This works with all models
- For monitoring, the device is a great alternative in caravans, smaller yachts and motor homes for which the Color Control GX or Venus GX are a step too far

Digital Multi Control 200/200A GX

792-DMC000200010R	**£145.20**

- Works with all Multi/Quattro - includes stand alone, parallel and 2-3 phase configurations
- Remotely view and adjust AC input currents, and turn on and off the Multi/Quattro
- Integrates cleanly with your boat, vehicle or house system control panel
- Connect to system with standard RJ45 cable - no extra set-up required

Phoenix Inverter Control

792-REC030001210	**£93.60**

- For Phoenix Inverters equipped with a UTP remote monitoring and control socket
- It can also be used on a MultiPlus Inverter/Charger when an automatic transfer switch but no charger function is desired
- LED brightness automatically reduced at night time
- Only for models: 12/1200, 12/1600, 12/2000, 12/3000, 12/5000, 24/1200, 24/1600, 24/2000, 24/3000, 24/5000, 48/3000 and 48/5000.

Venus GX

792-BPP900400100	**£328.80**

- The communication-centre of your installation
- Allows you to talk to all components in your system and ensure they are working in harmony
- Monitoring of live data, and changing settings is performed by using your smartphone (or other device) via our free-to-use Victron Remote Management Portal (VRM).

VE.Net Blue Power Panel GX

792-BPP000200110R	**£196.80**

VE.Direct Bluetooth Smart Dongle

792-ASS030536011	**£55.20**

- Use the VE.Direct to Bluetooth Smart dongle to display your BMV or MPPT information on iOS and Android devices, using the VictronConnect app
- View information wirelessly such as battery status and solar panel power, plus other useful data
- Able to read data from all products with a VE.Direct port, such as the BMV-70x series battery monitors, Phoenix Inverters with VE.Direct port, MPPT Solar Charge Controllers

PRECISION BATTERY MONITORS

Battery Monitors

792-BAM010700000	BMV-700	**£153.60**
792-BAM010702000	BMV-702	**£199.20**
792-BAM010702200	BMV-702 Black	**£199.20**
792-BAM010700100	BMV-700H	**£621.60**
792-BAM030712000	BMV-712 Smart	**£230.40**
792-BAM030712200	BMV-712 Smart Black	**£230.40**

- Displays Battery voltage, current, power, ampere-hours consumed and state of charge
- Time to go at the current rate of discharge
- Prog. visual and audible alarm
- Prog. relay, to turn off non-critical loads or run a generator

- BMV-700/702: 9 to 90 VDC range
- BMV-700HS: 70 to 350VDC range
- BMV-702 has a 2nd input to measure voltage (of a 2nd battery), temperature or midpoint voltage
- BMV-712 : 6.5 to 70VDC range and Bluetooth for remote monitoring on smartphone or other devices

SmartShunt

792-SHU050150050	500A / 50mV	**£145.20**

- All in one battery monitor, connecting to a GX device or via Bluetooth to the VictronConnect App on your phone (or tablet)
- Conveniently read out all monitored battery parameters, like state of charge, time to go, historical information and much more
- Connecting a GX device to the SmartShunt requires a VE.Direct cable
- Ideal alternative for a BMV battery monitor, when less wiring and clutter is preferred

- Equipped with Bluetooth, a VE.Direct port and a connection that can be used for: monitoring a second battery, midpoint monitoring or a temperature sensor
- 1000A and 2000A models due to arrive later in 2021

Active-X & XS Radar Target Enhancers

Active-X RTE - NATO Stock No. 5840 99 904 3941

030-ACTIVEX	With 24m cable	£579.99
030-ACTIVEX-35	With 35m cable	£609.99
030-ACTIVEX-45	With 45m cable	£640.99
030-ACTIVEX-WPB	With Waterproof control box	£689.99

Active-XS Dual Band RTE - NATO Stock No. 5841 99 269 3512

030-ACTIVEXS	With 24m cable	£869.99
030-ACTIVEXS-WB	With Waterproof control box	£965.99

The Echomax Active-X Band and Active-XS Dual Band Radar Target Enhancer is designed to receive a signal from transmitting radars, then amplify and return a stronger target signal enhancing the likelihood of detection - alerting oncoming vessels of your position and reducing the risk of collision.

- **Active-X Control Box**
  - Triple Alarm Facility: Green switch activates internal buzzer when being painted by radar
- **Active-XS Control Box**
  - Unique Quadruple Alarm Facility: Green Switch activates internal buzzer when being painted by X or S Band Radar
- Green LED illuminates when being painted by X Band Radar
- Yellow LED illuminates when painted by S Band Radar
- 8A Extension alarm facility when painted by Radar
- Optional base or rear entry wiring facility
- Externally accessible fuse

Waterproof Control Box

Active-X & XS with LED Light Options

Echomax Active-X with 5m of cable

030-ACTIVEXLED	Active-X RTE with LED Light	£715.99
030-ACTIVEXTRI	With Supernova Tri Colour LED Top Light	£734.99
030-ACTIVEXANC	With Supernova Anchor LED Top Light	£734.99
030-ACTIVEXCOM	With Supernova Combi LED Top Light	£899.99

Echomax Active-XS with 5m of cable

030-ACTIVEXSLED	Active-XS Dual RTE with LED Light	£999.99
030-ACTIVEXSTRI	With Supernova Tri Colour LED Top Light	£1,019.99
030-ACTIVEXSANC	With Supernova Anchor LED Top Light	£1,029.99
030-ACTIVEXSCOM	With Supernova Combi LED Top Light	£1,184.99

NOTE: Same spec as the above Target Enhancers but comes with new LED attachment and 5m of cable.

All Round navigation light is suitable for vessels under 20m in length. Energy efficient 360° arc of bright LED light.

- Power 12V / 1W max
- Dims (mm) H 79.7 x W 55
- Body Diameter: 49.4mm
- IP56 Water rating

Also available with Supernova high efficiency LED navigation lights.

The Supanova carries no certification and adapted to fit the Active RTE for use on rowing boats, RIBS, remote unmanned vessels or similar. Whilst successfully used on sail boats it is not guaranteed for sail boat mast head installation.

- Long life high efficiency LED navigation lights
- Meets COLREG (rule 22) for vessels up to 12.5m
- Tough poly-carbonate shell along with a Gore-Tex membrane vent
- Night time visibility: min. 2 nautical miles (25° above & below center line)
- Waterproof: IP65, IP67
- Anchor light - 360° white
- Tricolour: 112.5° Red / 112.5° Green / 135° White

	Active-X	Active-XS
Reception frequency	X Band : 9.32 - 9.5 GHz	X Band : 9.3 - 9.5 GHz S Band : 2.9 - 3.1 GHz
Standby current	<15mA	<23 mA
Position accuracy	Within 1 metre	
EIRP	1 W (Typically)	
Operating Temperature	-20°C to +60°C	
Voltage	12V DC (voltage surge & cross polarity protected)	
Performance Response		
Zero degrees	X Band : 111.36m2	X Band : 118.33m2 S Band : 15.75 m2
+/-10° of heel	X Band : 78.96m2	X Band : 65.07m2 S Band : 16.2 m2
+/-20° of heel	X Band : 20.80m2	X Band : 19.49m2 S Band : 13.4 m2
Base fitting	Female 1" - 14NF thread	Female 1" - 14NF thread
Dimensions **Antenna**	478(L) x 40.5(W) mm Weight: 327g excl. cable	685(L) x 40.5(W) mm Weight: 509g excl. cable
Antenna Cable	24m 2 core 0.5mm2 Weight: 969 g	24m 3 core 0.5mm2 Weight: 1075 g
Control Box	51(H) x 92(W) x 38(D) mm	51(H) x 92(W) x 38(D) mm
Performance requirements	ISO8729-2 X band	ISO8729-2

Suspended Active-X & XS Radar Target Enhancers

030-ACTX-HAL	Active-X Halyard	£604.99
030-ACTXS-HAL	Active-XS Halyard	£919.99

With increasingly limited space at the mast head and the ensuing distant horizon and suitable mounting options free from shadowing or adjacent large metal objects - now available with eyelets at each end enabling suspension from the spreaders, halyards or back stays and may be suitable for some applications and offers a new mounting option away from cluttered mast heads and busy deck areas.

Free suspension from the two back stays in most cases allows compensation by the bottom attachment from heel thus retaining most of the 112m² stated performance level whilst the vessel is at heel. Supplied with 24m cable as standard.

Active-X/XS Accessories

030-WPB-AXV2	Waterproof control box for Active-X / XS	£142.99
030-FMK-ACTIVEX	Flush mount kit - Active-X / XS control box.	£36.99
030-EMBACTX	Mast Mount Bracket - ActiveX, VHF, GPS, AIS, & TV	£50.99
030-XSMB	XS Ocean mast bracket - Active-XS	£71.99
030-ADM100	Active deck mount 100mm 1/14 TPI Male	£37.99
030-ADM200	Active deck mount 200mm 1/14 TPI Male	£50.99

030-ADM300	Active deck mount 300mm 1/14 TPI Male	£73.99
030-AE300MM	Active extension pole 300mm 1/14 TPI Male	£73.99
030-AE600M	Active extension pole 600mm 1/14 TPI Male	£73.99
030-AE1000MM	Active extension pole 1000mm 1/14 TPI Male	£91.99
030-ANT-ACTX	Antenna Only - Active-X	£560.99
030-ANT-ACTXS-35	Antenna Only - Active-XS	£859.99

RADAR REFLECTORS

ECHOMAX

	Why use a Radar Reflector?	Most small boats especially those made of GRP will return a very weak, if any, echo to radar.

To maximise their visibility to ships navigating using radar as a primary means of identifying potential hazards, including collision situations, boats should be fitted with a radar reflector.

EM230 9" Compact Reflector

030-EM230C	White	£147.99
030-EM230CB	Black	£147.99
030-EM230CL	With Lalizas DOT White light	£205.99
030-EM230CTL	With Lalizas DOT Tricolour light	£205.99
030-EM230CO	With Orionis LED White Light	£286.99
030-EM230CHL	With Hella LED White nav light	£370.99

- For fast planing hulls and RIBS
- With neoprene rubber insulated fixing kit
- Optional Orionis LED light, all round Hella LED light or Lalizas DOT lights

EM230BM 9" Reflector

030-EM230BM	White	£147.99
030-EM230BMB	Black	£147.99
030-EM230BML	With Lalizas White light	£201.99
030-EM230BMHL	With Hella LED White nav light	£368.99

- For RIBS and 16ft plus fast fishing boats and leisure sailors
- Adapted from the very successful big brother with 8m² maximum response and optional all round navigation light and 4m of cable

EM230 9" Midi Reflector

030-EM230MIDI	White	£141.99
030-EM230MIDIBK	Black	£148.99

- Dims: 24.5cm diameter x 45cm long
- Weight : 1900g
- Available in white, orange, yellow, red, green or black

EM305 12" Reflector

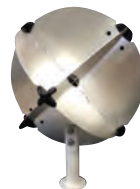| 030-EM305PE		£260.99

NATO Stk No. 5840 99 812 8790

Exceeds ISO 8729-1997

- Polyethylene version as chosen by the US NAVY - Increased Visibility
- Dims : 33.8cm diameter x 72cm long
- Weight : 5000g

Flat Pack Reflector

030-EMO12	12" reflector	£27.99
030-EMO18	18" reflector	£29.99

- Flat pack corner reflector meets ISAF 2015 rules & approved by USCG
- EMO12 Packed dims 13"x13" / Weight 730g
- Optional 1/14tpi adapter EM12A fits all VHF connections
- Optional Deck flange

Mounting Brackets

030-BRB	Basic Radar Bracket	£244.99
030-BRB-TP	Top Plate for Basic Radar Bracket	£74.99
030-EMB7	Mast Mount Bracket - EM180	£38.99
030-EMB7DB	Deck Mount Bracket - EM180	£154.99
030-EMB9	Mast Mount Bracket - EM230	£40.99
030-EM230DB	Deck Mount Bracket - EM230	£154.99
030-EM230BRDB	Deck Mount Bracket - EM230BR	£154.99
030-EM230BMCQDB	Quick Release Flat Adapter - EM230 BM Compact	£65.99
030-EMDMB-SS-BM	S/Steel Deck Mount Bracket - Base Mount models	£154.99
030-EMB12	Mast Mount Bracket - EM305PE	£79.99
030-EM12DB	Deck Mount Bracket - EM305PE	£259.99
030-MKEM1	3 x 60cm GF Rod mount fixing kit for Liferafts	£33.99

EM Compact Plus Reflector

030-EMCP	See text for colour options	£151.99
030-EMCPL	With Lalizas DOT White light	£209.99
030-EMCPLT	With Lalizas DOT Tricolour light	£209.99
030-EMCPO	With Orionis LED Light	£291.99
030-EMCPHL	With Hella LED White nav light	£376.99

- High RCS response of 23.38m² for its size
- Ideal for RIBs, land hazards, marina entrances, poles, buoys and fish farms
- Supports smaller Sealite & Carmanah Solar Nav. Lights
- Optional Orionis LED light, all round Hella LED light or Lalizas DOT lights
- All models available in white, yellow, orange or black

EM180 7" Reflector

030-EM180		£121.99

- 7" Reflector
- Dims: 19.7cm diameter x 47cm long
- Weight : 1400g

EM180 Midi Reflector

030-EM180MIDI		£120.99

- Suitable for small yachts and motor vessels from 6 to 7m
- Dims: 19.7cm diameter x 36cm long
- Weight : 1200g

EM230 / EM230BR 9" Reflector

030-EM230	White	£144.99
030-EM230/BLK	Black	£149.99
030-EM230/OR	Orange	£144.99
030-EM230BR	White (Firdell Blipper replacement)	£144.99

EM230 : NATO Stk No. 5840-99-742-6193
EM230BR : NATO Stk No. 5840-99-986-7405

- Certified to ISO 8729-1997
- Dims : 24.5cm diameter x 62cm long
- Weight : 2500g
- EM230BR replacement for Firdell Blipper 210-7
- Ships Wheel Mark does not apply to EM230/BLK or EM230BR

EM230i 9" Inflatable Reflector

030-ECHO9INF		£121.99

- 30 diameter x 75 cm long
- Weight : 413g
- Documented RCS of 20m² meets WCC. RORC & others
- Optional 3 piece glass fibre fixing kit available

EMA03i SOLAS Inflatable Reflector

030-EMAO3I		£101.99

NATO Stk No. 5985 99 380 7258

Inflatable radar reflector for liferafts

- 61.5cm diameter (Inflated)
- Weight : 599g
- Packed 23 x 30.5cm
- Optional 3 piece glass fibre fixing kit available

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

ECHOMAX

NEW 2021

EM1000PB Pencil Buoy

030-EM1000PBR	EM1000 Pencil Buoy - Red	£226.80
030-EM1000PBG	EM1000 Pencil Buoy - Green	£226.80
030-EM1000PBY	EM1000 Pencil Buoy - Yellow	£226.80

- Suitable for use in coastal waters, estuaries on rivers and in lakes.
- Height 1110mm
- Diameter 320mm
- Weight 9.9kgs
- Gross buoyancy 54kgs

Colours :

EM1800PB Pencil Buoy

030-EM1800PBR	EM1800 Pencil Buoy - Red	£346.80
030-EM1800PBG	EM1800 Pencil Buoy - Green	£346.80
030-EM1800PBY	EM1800 Pencil Buoy - Yellow	£346.80

- Suitable for use in coastal waters, estuaries, rivers and lakes.
- Height 2080mm
- Diameter 320mm.
- Weight 20kgs
- Gross buoyancy 109kgs
- Optional Extras: Fitted with an EM230 midi radar reflector, 25kgs Ballast, Lifting eye, Solar light
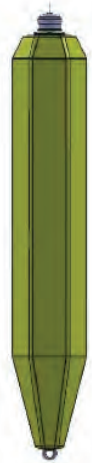
Colours :

EM700 Buoy

030-EM700BR	Basic Can Top with Chain Eye - Red	£346.80
030-EM700BG	Basic with Chain Eye - Green	£346.80
030-EM700BY	Basic with Chain Eye - Yellow	£346.80
030-EM700R	With Can Top - Red	£346.80
030-EM700G	With Cone Top - Green	£346.80
030-EM700Y	With Cone Top - Yellow	£346.80
030-EM700CER	With 25kg, Foam Float, Chain Eye Red	£442.80
030-EM700CEG	With 25kg, Foam Float, Chain Eye Green	£442.80
030-EM700CEY	With 25kg, Foam Float, Chain Eye Yellow	£442.80

- Low cost, maintenance free foam filled Polyethylene for use in estuaries, habours etc.
- Available in red, yellow and green.
- Height: 900mm
- Diameter:700mm
- Weight: 16.5kgs
- Buoyancy:110kgs
- Focal plain: 707mm
- Available with a wide range of lights, fittings and extra ballast.

Colours :

EM1250 Navigational Buoy

EM1250/480 - 1690mm		
030-EM1250/480R	Buoy Can Top - Red	£1,078.80
030-EM1250/480G	Buoy Cone Top - Green	£1,078.80
030-EM1250/480Y	Buoy Cone Top - Yellow	£1,078.80
EM1250/780 - 1990mm		
030-EM1250/780R	Nav Buoy Can Top - Red	£1,198.80
030-EM1250/780G	Nav Buoy Cone Top - Green	£1,198.80
030-EM1250/780Y	Nav Buoy Cone Top - Yellow	£1,198.80

- Suitable for use in coastal waters, estuaries on rivers and in lakes.
- Available in two sizes with either Can or Cone
- Height 1690/1990mm
- Diameter 1250mm
- Weight Cone 107.5/127kgs
- Weight Can 108.5/128kgs
- Gross buoyancy Can 596/927
- Gross buoyancy Cone 571/903kgs
- Lifting frame made of galvanised mild steel.
- Optional Extras : EM230 radar reflector, Solar light, St Andrews cross available with or without a plate for a solar light.
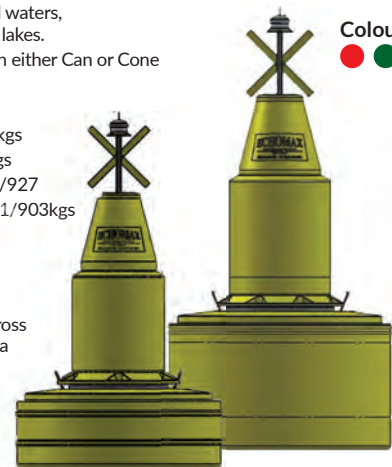
Colours :

EM1250/480   **EM1250/780**

EMF700 Mooring Float

030-EMF700R	With Foam - Red	£466.80
030-EMF700G	With Foam - Green	£466.80
030-EMF700Y	With Foam - Yellow	£466.80

- Height 586mm
- Diameter 700mm
- Weight 19kgs
- Gross buoyancy 145.6kgs
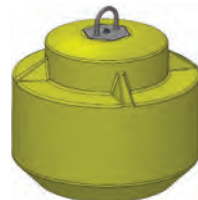
Colours :

EMF1250 Mooring Float

EMF1250/480 - 1690mm		
030-EMF1250/480R	With Foam - Red	£1,074.00
030-EMF1250/480G	With Foam Green	£1,074.00
030-EMF1250/480Y	With Foam Yellow	£1,074.00

- Suitable for use in coastal waters, estuaries on rivers and in lakes.
- Available with either Can or Cone
- Height 1690mm
- Diameter 1250mm
- Weight Cone 107.5kgs
- Weight Can 108.5kgs
- Gross buoyancy Can 596
- Gross buoyancy Cone 571kgs
- Lifting frame made of galvanised mild steel.
- Optional Extras : EM230 radar reflector, Solar light, St Andrews cross with or without a plate for a solar light.

Colours :

EM1250/EMF1250 Accessories

030-EM230RR-R	Integral EM230 Radar Reflector - Red	£154.80
030-EM230RR-G	Integral EM230 Radar Reflector - Green	£154.80
030-EM230RR-Y	Integral EM230 Radar Reflector - Yellow	£154.80
030-STAC	St Andrews Cross, 3D, Stainless Steel	£201.60
030-NLP	Navigation Light Support Stainless Steel	£81.60

ECHOMAX

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AQUAMATE PRODUCTS

Aquasafe provides guaranteed protection from the elements but still allows delicate operation of items such as GPS, VHF & mobile telephones.

Camera Cases

| 030-AM6FF | Camera - 132x175 | £10.99 |
| 030-AM6MD | Mini Digital - 115x145 | £10.99 |

GPS Cases

030-AM1	Small - 106x230	£10.99
030-AM5	Large - 132x250	£10.99
030-AM13	Mini - 106x170	£10.99

Mobile Cases

030-AM2	Mob. Phone - 96x260	£10.99
030-AM11	Mini - 78x140	£10.99
030-AM12	Mini - 78x190	£10.99
030-AM10	Palm Case - 107x145	£10.99

VHF Cases

030-AM3	Small - 106x230	£10.99
030-AM9	Medium - 110x340	£10.99
030-AM4	Large - 132x383	£10.99

Money & Credit Card Case

| 030-AM7 | Hipster with Belt - 165x125 | £10.99 |

Emergency Solar Still

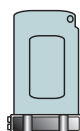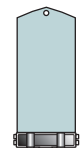| 030-SS | £139.99 |

- Inflate by mouth
- Distils and collect pure drinking water from sea or impure water.
- Proven reliability
- Lanyard fixing
- 500-2000 ccs of water/day
- Pure water stored in separate pouch
- Made to ISO 9002 with NATO stock number

Key Liferaft

030-AM15-B	Blue	£3.29
030-AM15-R	Red	£3.29
030-AM15-W	White	£3.29

- Self inflating
- Will not sink – supports up to 6 keys
- Will not rot or discolour
- Highly visible - available in blue, red or white expanded PVC
- Custom ones make ideal PR products

Provita Smoke Escape Hood

| 030-AMPSH | £86.99 |

- Up to 20 minutes of life saving evacuation time.
- Bureau Veritas Tested
- One micron gas filter
- Transparent, heat resistant Kapton
- Rubber seal at neck
- One size fits all
- Compact size: 8" x 6" x 1"

ICS ELECTRONICS

NAVTEX

NAV6 Standard System v3

| 340-916.04-3 | £619.95 |

- Includes NAV6 V3 Display, NAV6 NAVTEX Receiver and Passive Antenna

NAV6 eNAVTEX System

| 340-916.10 | £344.95 |

- Includes NAV6 eNAVTEX Receiver, NAV6 eNAVTEX App and Passive Antenna
- Additional features include GPS functionality and eNAVTEX App for Windows OS

NAV6plus System V3

| 340-916.05-3 | £649.95 |

- Includes NAV6plus V3 Display, NAV6 eNAVTEX Receiver and Passive Antenna
- Additional features include Auto Station collection, NMEA and GPS Functionality

NAV6plus eNAVTEX Premium

| 340-916.11 | £698.95 |

- Includes NAV6plus V3 Clear LCD Display, NAV6 eNAVTEX Receiver, NAV6 eNAVTEX App and Passive Antenna
- Features of the Premium system comprise those of the NAV6plus and eNAVTEX Systems combined

	NAV6 Std	NAV6 plus	NAV6 eNAVTEX	NAV6 Premium
518kHz NAVTEX	●	●	●	●
490kHz NAVTEX	●	●	●	●
Passive Antenna	●	●	●	●
NAV6 Std Display	●			
NAV6plus Display		●		●
Large message store	●	●	●	●
Station Database	●	●	●	●
Manual Station Select	●	●	●	●
Auto Station Select		●	●	●
Filter by Message Type	●	●	●	●
eNAVTEX App			●	●
NMEA Repeater Displays		●		●
GPS Position Display		●	●*	●
Digital Barograph		●	●	●
NMEA Logging		●		●

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

HMR20 Digital Media Receiver

320-HMR20	HMR 20	£299.99
320-HMR20D	HMR 20D + HMB DAB+	£349.99

HMR 20 turn every cruise into an exciting adventure bringing the music of your favorite artist to open water. The powerful (RDS)/AM PLL radio and the extended connectivity powered by DAB+ Ready, Bluetooth audio streaming and USB 2.0 port will liven up your trip with tons of musical contents.

3" IPS DISPLAY — The large 3" full colour TFT IPS display remains visible even during daytime navigation and the big buttons make it easy operating while cruising.

MULTI COLOR — Multicolour backlight for a perfect match with cockpit lighting.

4 PRESET EQ — Customize the sound with 4 EQ preset created by Hertz audio engineer.

2 ZONE — HMR 20 features 2 pairs of stereo outputs providing the ability to create 2 independently controlled listening areas.

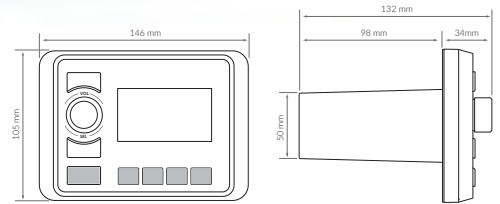**BATTERY VOLTAGE GAUGE** — Voltage indicator to check-up battery status

NEW 2021

200W MOSFET POWER 50 W X 4

CONNECTIVITY
USB 2.0 | AUX-IN | AM/FM RADIO | SUBWOOFER OUT | DAB+ | Bluetooth

PURE MARINE DESIGN
IP66 | UV RESISTANT | WATER JET RESISTANT | SALT FOG PROOF | DUST INTRUSION RESISTANT

146 mm | 132 mm
105 mm | 98 mm | 34mm | 50 mm

HMR10 Digital Media Receiver

320-HMR10	HMR 10	£229.99
320-HMR10D	HMR 10D + DAB	£299.99

With two pairs of high quality stereo outputs, a screen readable at all times and a generous marine-grade control panel, it will be a breeze to control your favorite playlist on USB or Bluetooth® streaming for maximum fun in water. D option provides additional DAB + compatibility to listen to your favorite radio stations with unmatched audio quality.

3 PRESET EQ — Customize the sound with 3 EQ preset created by Hertz audio engineer.

200W MOSFET POWER 50 W X 4

CONNECTIVITY
USB 2.0 | AUX-IN | AM/FM RADIO | DAB+ | Bluetooth

PURE MARINE DESIGN
IP66 | UV RESISTANT | WATER JET RESISTANT | SALT FOG PROOF | DUST INTRUSION RESISTANT

Dimensions : Diameter 113mm
Mounting hole size : W 92 x H 70 x D70 cm (U-Bracket Mount)

Audio Bundle Packs

320-HMR10-HEX65MW	HMR 10 + HEX 6.5MW Speakers White	£329.99
320-HMR20-HEX65MW	HMR 20 + HEX 6.5MW Speakers White	£400.00
320-HMR20D-HEX65MW	HMR 20D + HEX 6.5MW Speakers White	£439.99
320-HMR20D-HMX65W	HMR 20D + HMX 6.5 RGB LED Speakers White	£525.98
320-HMR20D-AMP-PK1	HMT20D + HMP4D Amp + HEX 6.5MW White	£699.98
320-HMR20D-AMP-PK2	HMT20D + HCP5MD Amp + HMX 6.5S RGB + HMS10B2 Sub	£1,099.98

HMD Marine Amplifiers

320-HMD8DSP	HMD8 DSP - 8 Ch Amplifier with DSP 8x150W	£1,199.99
320-HMD8DSP24V	HMD8 DSP 24V - 8 Ch Amplifier with DSP 8x150W	£1,199.99
320-HMD1	HMD 1 - Mono Amplifier 1x500W	£719.99
320-HMD124V	HMD 1 24V - Mono Amplifier 1x500W	£719.99

8x150W D-CLASS MAX POWER — **HMD8** 8 Channel Marine Amplifier with DSP

1x500W D-CLASS MAX POWER — **HMD** High Power Mono Amplifier

HCP Marine Amplifiers - IP64

320-HCP2MX	HCP 2MX - 2 Ch Amplifier 2x200W	£329.99
320-HCP4M	HCP 4M - 4 Ch Amplifier 4x95W	£269.99
320-HCP5MD	HCP 5MD - 5 Ch Amplifier 4x105W+1x330W	£449.99
320-HCP5MD24V	HCP 5MD 24V - 5 Ch Amplifier 4x105W+1x330W	£449.99
Accessories		
320-HRC	HRC - Sub Volume Remote Control (HCP Amp)	£29.99

2x200W AB-CLASS MAX POWER — **HCP 2MX** 2 Channel Marine Amplifier

4x95W AB-CLASS MAX POWER — **HCP 4M** 4 Channel Marine Amplifier

4x105W+ 1x330W D-CLASS MAX POWER — **HCP 5MD** 5 Channel Marine Amplifier

HMP Marine & Powersports Amplifiers - IP64

320-HMP1D	HMP 1D - D-Class Mono Amplifier	£269.99
320-HMP4D	HMP 4D - D-Class 4 Ch Amplifier - IP64	£269.99

1x180W D-CLASS MAX POWER — **HMP 1D** Mono Marine Amplifier

4x60W D-CLASS MAX POWER — **HMP 4D** 4 Channel Marine Amplifier IP64

HERTZ marine

HMX Marine Speakers - IP65

6.5" Marine Speakers - 150W PAIR		
320-HMX65	HMX 6.5 - White	£199.99
320-HMX65C	HMX 6.5-C - Black	£198.99
320-HMX65LD	HMX 6.5-LD - White with RGB LED	£229.99
320-HMX65LDC	HMX 6.5-LD-C - Black with RGB LED	£229.99
8" Marine Speakers - 200W PAIR		
320-HMX8	HMX 8 - White	£259.99
320-HMX8C	HMX 8-C - Black	£259.99
320-HMX8LD	HMX 8-LD - White with RGB LED	£289.99
320-HMX8LDC	HMX 8-LD-C - Black with RGB LED	£289.99

RGB MULTICOLOR

150W POWER HANDLING HMX 6.5/C 6.5" Marine
HMX 6.5-LD/C RGB LEDs 6.5" Marine

200W POWER HANDLING HMX 8/C 8" Marine
HMX 8-LD/C RGB LEDs 8" Marine

HMX Powersports Speakers - IP65

6.5" Marine Sport Speakers - 150W PAIR		
320-HMX65S	HMX 6.5-S - Black	£199.99
320-HMX65SLD	HMX 6.5 S-LD - Black with RGB LED	£229.99
8" Marine Sport Speakers - 200W PAIR		
320-HMX8S	HMX 8 S - Black	£259.99
320-HMX8SLD	HMX 8 S-LD - Black with RGB LED	£289.99

RGB MULTICOLOR

150W POWER HANDLING HMX 6.5 S 6.5" Marine Sport
HMX 6.5 S-LD RGB LEDs 6.5" Marine Sport

200W POWER HANDLING HMX 8 S 8" Marine Sport
HMX 8 S-LD RGB LEDs 8" Marine Sport

HEX Marine Speakers - IP65

6.5" Marine Speakers - 100W PAIR		
320-HEX65MW	HEX 6.5 M-W - White	£139.99
320-HEX65MC	HEX 6.5 M-C - Black	£139.99
320-HEX65CW	HEX 6.5 C-W - Classic White	£159.99
320-HEX65SLDG	HMX 6.5 S-LD-G Sport with RGB LED	£199.99

RGB MULTICOLOR

100W POWER HANDLING HEX 6.5 M-W/C 6.5" Marine
HEX 6.5 C-W 6.5" Marine Classic
HEX 6.5-LD 6.5" Marine Sport with LED

HMS Marine Subwoofers - IP65

10" Marine Subwoofer - 500W SINGLE		
320-HMS10B	HMS 10 B 4Ω White	£219.99
320-HMS10B2	HMS 10 B-2 2Ω White	£219.99
320-HMS10BC	HMS 10 B-C 4Ω Black	£219.99
320-HMS10BC2	HMS 10 B-C2 2Ω Black	£219.99
320-HMS10SLDG	HMS 10 S-LD-G 4Ω with RGB LED	£299.99
320-HMS10S2LDG	HMS 10 S2-LD-G 2Ω with RGB LED	£299.99

RGB MULTICOLOR

500W POWER HANDLING HMS 10 B/-C 10" Marine Subwoofer
HMS S-LD-G 10" Marine Subwoofer with LED

HTX Marine Tower Speakers - IP65

8" Marine Tower Speakers - Clamp - 200W SINGLE		
320-HTX8MCLW	HTX 8 M-CL-W White	£699.99
320-HTX8MCLC	HTX 8 M-CL-C Black	£699.99
8" Marine Tower Speakers - Flat - 200W SINGLE		
320-HTX8MFLW	HTX 8 M-FL-W White	£299.99
320-HTX8MFLC	HTX 8 M-FL-C Black	£299.99

200W POWER HANDLING HTX 8 M-CL Marine Tower 8" Clamp
HTX 8 M-FL Marine Tower 8" Flat

HM RGB 1 BK RGB Controller

320-HMRGB1BK	£109.99

Accessories

320-HMBDAB	HMB DAB+ - External Box (HMR 20)	£119.99
320-HMCU1	HMC U1 - Universal Remote Control 35 Jack (HMR 10/20)	£109.99
320-HMAC35	HMA C3.5 - 3.5 Jack Extension Cable 10m (HMR 10/20)	£24.99
320-HMAC35Y	HMA C3.5Y - 3.5 Jack Y Cable (HMR 10/20)	£9.99
320-HMAUSBAUXIN	HMA USB Aux In - Extension Cable Waterproof 2m (HMR 10/20)	£29.99

HMC U1 Optional Remote Control (IPX 7) for HMR 20, HMR 10 D, HMR 10

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

![mcmurdo — SEAS OF SOLUTIONS BRAND]

WORLD'S ONLY AIS EPIRB
MEETS 2022 SOLAS
AUTO AIS EPIRB REGULATIONS

SmartFind E8/G8 EPIRBs AIS Model Available Now

498-23001004A	SmartFind (E8) - Manual	£456.00
498-23001504A	SmartFind (E8) - Auto	£710.40
498-23001002A	SmartFind (G8) GPS - Manual	£720.00
498-23001502A	SmartFind (G8) GPS - Auto	£987.60
498-23001001A	SmartFind AIS (G8) GPS - Manual	£799.20
498-23001501A	SmartFind AIS (G8) GPS - Auto	£1,096.80

The new SmartFind G8 AIS EPIRB offers Accelerated Rescue via a unique combination of four search and rescue frequencies. The world's first EPIRB to contain AIS delivers the power of localised rescue and multiple GNSS receivers provide greater location accuracy. McMurdo SmartFind EPIRBs include a ruggedized base, easy service battery and MEOSAR compatibility. The additional false activation protection and multiple self-tests contribute to total user confidence.

1st UTILISING GNSS Galileo INSIDE

Feature	Description	SmartFind E8	SmartFind G8	SmartFind G8 AIS
Optimised for MEOSAR	Enhanced detection capability for accelerated rescue	•	•	•
VHF homer	121.5 MHz swept tone	•	•	•
406 frequency	International rescue frequency	•	•	•
GNSS receiver	72 channels multi-constellation		•	•
AIS capability	AIS for localized rescue			•
SmartTransfer	Manual bracket allowing transport without activating water switch	•	•	•
Auto-housing option	Automatic deployment when submerged 1-4 m	•	•	•
Activation method	Manual or water activation	•	•	•
SmartCarry	Concealed hands-free easy carry strap		•	•
SmartBase	Impact protection	•	•	•
SmartLight	3 lights, 360 degree coverage	•	•	•
SmartSwitch	Reusable ON power button cover, to prevent accidental activation	•	•	•
Battery storage life	10 years (Lithium Iron Disulphide) (see Note 3)	•	•	•
SmartChange	Easy service battery	•	•	•
Global service network	200+ service centres across 80+ countries	•	•	•
Multiple self tests	120 short tests for system check and 20 Long tests which include testing of the GNSS receivers (see Note 1)	•	•	•
Warranty	1 + 4 years with year extension on safety check (see Note 2)	•	•	•
Part of McMurdo Ecosystem	Developed with McMurdo's unique understanding of the technical requirements to fully utilise the Cospas-Sarsat infrastructure	•	•	•

NOTE 1   Recommendation — 1 test a month over a period of 10 years. Long tests twice a year over a 10 year period. Long tests to be conducted in full view of sky. Obstacles will increase time taken for GPS lock, reducing the battery life. Long Tests can also only be performed if GNSS receiver workability seems suspect.

NOTE 2   Warranty is 1 year from date of purchase, an additional 4 years upon registration with McMurdo Ltd. On 5 year health check, an additional year will be put in place.

NOTE 3   As a responsible manufacturer, McMurdo recommends a 5 year health check. Shore-based maintenance mandated vessels, battery health check or replacements should be carried out in accordance with flag Administration requirements and not exceeding 5 years

Float-free casing

FASTFIND Return Link PLB

|		
498-1002384	FASTFIND Return Link PLB with Galileo/ GPS GNSS and RLS	£328.00

NEW 2021

A new type of lifesaving distress beacon, the FastFind ReturnLink PLB, utilises unique functionality generated by Galileo satellite constellations Return Link Service (RLS) to send a signal to the FastFind ReturnLink beacon confirming the users 406MHz distress alert has been received and Galileo GNSS location coordinates have been detected

- RLS: the first of a new range of SAR beacons that receive a reassurance signal confirming distress alert and location have been received by the search and rescue authorities
- Multi Constellation GNSS: Building on Seas Of Solutions' leadership in innovative location detection technology, FastFind Returnlink incorporates both Galileo and GPS GNSS services
- Multiple Attach Points: PLB come with belt attachable buoyancy pouch and life jacket oral tube clip attachments
- Floats: with provided buoyancy pouch
- Free to use: No subscription
- Power Assurance: 5-year battery life
- Waterproof: to 10m
- Indicator Light: High brightness LED signal light + Blue LED for RLS indications
- SOS flash light: Morse code SOS flash pattern, 30 operations
- Practical: Safe-stow antenna and 3 stage activation

FastFind Return Link RE-ASSURANCE SIGNAL

How RLS Works

The new Galileo GNSS satellites, part of the Cospas Sarsat upgrade program MEOSAR, now consists of 26 satellites of a planned 30. The new system reached its operational phase in 2017, allowing technology with a Galileo-enabled receiver to use signals provided by its satellites for positioning, but on completion the Galileo constellation will offer the next technological evolution in life saving technology, the Return Link System or RLS.
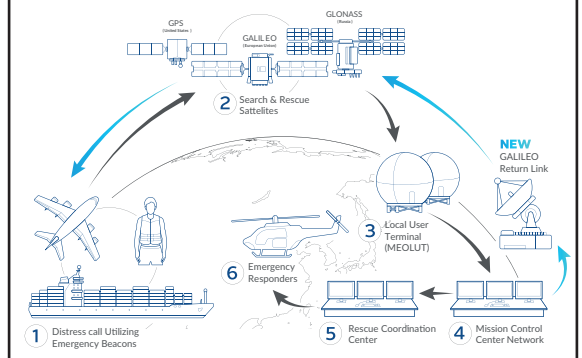
FastFind 220 PLB

498-91001220A-C	£334.80

The FastFind 220 is the world's first Galileo PLB, offering accelerated location detection with GPS and Galileo GNSS receivers.

The FastFind 220, when activated, transmits a unique ID and current GPS co-ordinates via the COSPAS-SARSAT global search and rescue satellite network, alerting the rescue services within minutes. Once within the area, the search and rescue services can quickly home in on a location using the unit's 121.5Mhz homing beacon and flashing LED SOS light. The compact FastFind 220 is quick and easy to activate, with a safe stow antenna which automatically deploys when the unit is activated.

- World's first Galileo PLB
- Accelerated Location Detection with GPS & Galileo receivers
- Multiple GNSS receivers
- MEOSAR compatible
- 406MHz transmitter and 121.5MHz homing frequency
- Compact, lightweight and waterproof to 10m
- Built-in GPS receiver with visual indication of position acquisition
- 6 year replaceable battery
- Includes buoyancy pouch along with lanyard and universal pouch
- SOS Morse LED flash light
- Safe-stow antenna
- Simple three-stage activation
- Minimum 24hrs continuous operation
- No subscription fees or call charges

SmartFind S5A AIS SART

498-1001755	£585.60

The SmartFind S5A AIS SART is a manual deployment survival craft AIS Search and Rescue Transmitter (AIS SART), intended for use on life rafts or survival craft. It meets IMO SOLAS requirements and is a replacement for legacy radar SARTs.

- Internationally approved
- Ship or Survival craft options
- Buoyant/floats - Waterproof to 10m
- Minimum 96-hour operational battery life
- 6-year battery life
- Visual indication of operation
- Built-in test facility
- Mounting options - Internal/External
- Transmits GPS coordinates
- Interoperability with AIS Users
- Telescopic Mounting Pole included
- Comes with protective carry off bag

AIS

SmartFind M5
AIS Class A Transponder

498-21100001A	£2,097.60

SmartFind M5 is a flexible, user-friendly and cost effective AIS Class A transponder, incorporating a fully comprehensive AIS MOB and AIS SART alarm to aid MOB recovery. It provides on screen indication and internal buzzer when any AIS SART/MOB TXID is received, an optional remote waterproof (MOB / alarm) sounder is also available. It also allows a "crew list" of the vessels own AIS MOB IDs and associated crew name and has a steer to rescue MOB casualty target screen.

The AIS MOB alarm feature is compatible with the McMurdo S10 and S20 AIS MOB devices and other AIS SART device.

SmartFind M10
AIS Class B Transponder

498-21200001A	M10	£625.20
498-21200002A	M10W c/w WiFi	£838.80

SmartFind M15
AIS Receiver

498-21300001A	M15	£220.80
498-21300002A	M15S c/w Splitter	£314.40

Description	SmartFind M5	SmartFind M10	SmartFind M10W	SmartFind M15	SmartFind M15S
AIS Type	Class A	Class B	Class B	Receiver	Receiver
AIS transmitter	Yes	Yes	Yes	No	No
No. of AIS Channels	2	2	2	2	2
USB	Yes Mini socket	Yes Mini socket	Yes Mini socket	Yes	Yes
NMEA 0183	Independent 3 input 2 output	Independent 2 input 2 output	Independent 2 input 2 output	Independent 1 input 1 output	Independent 1 input 1 output
NMEA 2000	Yes	Yes	Yes	No	No
Built-in VHF/AIS antenna splitter	No	No	No	No	Yes
SD data logger	No	Yes	Yes	No	No
Built-in GPS	Yes	Yes	Yes	No	No
Built-in WiFi	No	No	Yes	No	No

GRAB BAGS

The high visibility McMurdo Grab Bag range consists of 3 variants, including:

Single Shoulder Back Pack 3L

498-1001605	£33.60

Enables unobtrusive carriage of basic Survival kit such as a EPIRB or PLB, Water, high energy food and a place to keep their phone and car keys

Double Shoulder Back Pack 35L

498-1001601	£69.60

These bags should be equipped same as with the 3L bag but with additional equipment such as Flares, a Knife, VHF radio, medication, torch and batteries for example.

Duffle Bag 60L

498-1001597	£61.20

These bags should be equipped the same as the 35L Back Pack but with additional equipment such as a satellite phone, water maker, laser flare, fishing kit, and repair kits for a life raft.

All prices SRP inc VAT. For trade prices and stock availability visit www.smgeurope.com

MCMURDO

6 YEAR
BATTERY LIFE

6 YEAR
WARRANTY

NEW 2021

MT603 GPS EPIRB (Class 2)

746-MT603G	Manual / Water Activation	£389.00
746-MT603FG	Float Free Activation	£499.00

Please specify vessel country of registration when placing orders

Boasting the latest advances in emergency beacon technology, the MT603G ensures the safety of your vessel and crew in emergency situations, regardless of your location.

The MT603G is able to be activated both manually, and automatically, when the unit is removed from the mounting bracket and deployed in water by the user.

Featuring an integrated 66 channel GPS receiver, delivering greater position accuracy and faster location fix than previous models and zero warm-up digital technology, the MT603G acquires and transmits accurate latitude/ longitude and personal identification information to rescue authorities as soon as possible.

In combination with a high-intensity, solid state strobe light and auxiliary 121.5MHz VHF homing transmitter, the MT603G is the ultimate in emergency beacon technology.

- 66 Channel GPS Receiver
- MEOSAR-ready
- Compact, Lightweight, Easy-to-mount Design
- Cospas-Sarsat Worldwide Certification
- Easy Self-test with Audio / Visual Alert
- High-intensity, Solid State Strobe Light
- 48 hours Minimum Operating Time

AUSTRALIAN MADE

How do EPIRBs work?

1. A distress beacon is activated.
2. Its signal, with its unique identification number or HEX ID, is transmitted and detected by the nearest satellite.
3. An alert is sent to the nearest Local User Terminal (LUT).
4. The alert is processed by the nearest Mission Control Centre (MCC) and forwarded to the Rescue Coordination Centre (RCC).
5. The RCC is notified and begins to arrange search and rescue operation. Registration details are provided to the RCC in the country in which the beacon is both activated and registered.
6. Search and rescue authorities commence search operations as soon as they can.

If your beacon is registered with the local maritime authority, Search and Rescue will ring your emergency contacts immediately for information regarding your whereabouts.

It is important to keep your contact details updated in order for search operations to commence as soon as possible.

Note: Do not turn off your distress beacon until advised by rescue services.

Cospas-Sarsat Satellite System Diagram

ACCUSAT™
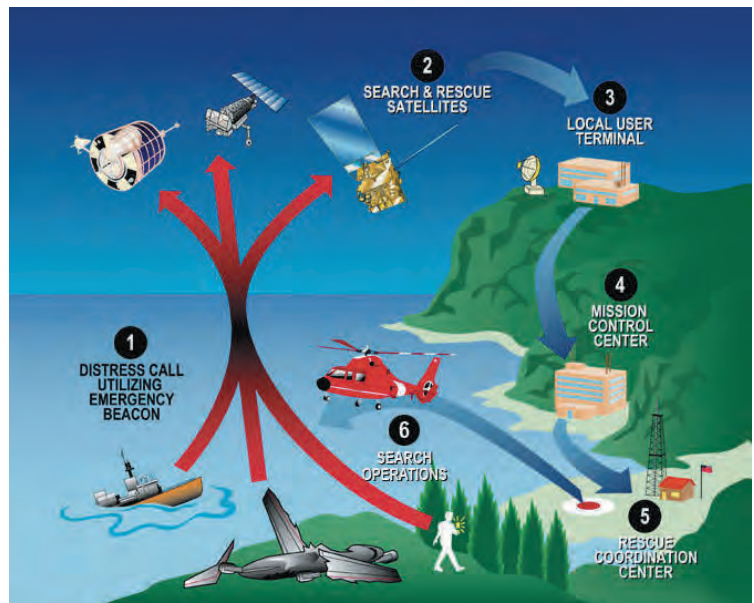
SPOT X 2-Way Satellite Messenger with Bluetooth

411-SPOT-X-BT	£324.00

Why SPOT X?

With SPOT X, you can still do all these things (and more) even when you don't have mobile service.

MESSAGE
Exchange messages with any cell phone number or email address from virtually anywhere in the world. SPOT My Account comes loaded with 14 predefined messages that you have the ability to customize and sync to your SPOT X device

TRACKING
Select from 2½, 5, 10, 30 or 60 minute tracking intervals, and let family, friends and other adventurers follow your progress with SPOT's easy-to-use Google Maps™ interface.

COMPASS
Built-in compass and programmable waypoints for navigation

POST TO SOCIAL
Link your social accounts to keep your friends and family in the know wherever you go.

S.O.S.
Send an S.O.S. to the 24/7 Search & Rescue center, message back and forth about the nature of your emergency, and receive confirmation when help is on the way.

CHECK IN
Quickly and easily let everyone know you're OK.

BLUETOOTH
Send and receive messages directly from your mobile phone when connected to the SPOT X Bluetooth. Use the existing contacts on your phone to send E-mail and SMS messages. Unlike other devices in the market incoming messages are free of charge on all service plans. Requires App Download on your phone.

	BASIC	ADVANCED	UNLIMITED	FLEX BASIC	FLEX ADVANCED	FLEX UNLIMITED
Cost per month (Exc VAT)	€11.95/mo.	€19.95/mo.	€29.95/mo.	€14.95/mo.	€29.95/mo.	€39.95/mo.
Minimum Term Applies	12 MONTH	12 MONTH	12 MONTH	1 MONTH	1 MONTH	1 MONTH
Custom Messages	20	100	UNLIMITED	20	100	UNLIMITED
Overuse charges	€0.25c per msg	€0.25c per msg	FREE	€0.25c per msg	€0.25c per msg	FREE
S.O.S. Messages	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED
Check In Messages	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED
Tracking Intervals	10, 30, 60 Minutes	5, 10, 30, 60 Minutes	2½, 5, 10, 30, 60 Minutes	10, 30, 60 Minutes	5, 10, 30, 60 Minutes	2½, 5, 10, 30, 60 Minutes
Activation Fee	€19.95	€19.95	€19.95	€19.95	€19.95	€19.95
Flex Charge				€24.95*	€24.95*	€24.95*

*Enrolment in any Flex Plan is subject to a €24.99 Annual Flex Charge that is collected once per year at renewal, even if the device is suspended at that time.
This Flex Charge allows you to suspend the service at any time during the year without activation fee recurrence when turning service on again.
All Flex Plans have a one month minimum term. Message allotment per Flex Plan includes both incoming and outgoing messages.

SPOT Gen4 Satellite GPS Messenger

411-SPOT4	£149.99

- **NEW Impact, Dust and Water Resistant (IP68)**
- Check in with your social network, send custom text messages and let others track your real-time location via Google Maps
- In an emergency, transmit an SOS with your exact location to GEOS Emergency Response Coordination Center to activate a rescue
- Optional Unlimited Tracking: Choose your rate of tracking from every 5, 10, 30, or 60 minutes. Also tracks your progress beyond 24 hours, allowing you to set it and forget it
- Optional Extreme Tracking: All Basic and Unlimited Tracking features plus vary your track rate down to every 2 1/2 minutes
- With optional unlimited or extreme tracking, Motion Activated Tracking tracks only when you're moving and not when you stop
- Contoured shape with dual attachment points makes it easy to attach the SPOT Gen3 to your pack, bag, boat or vehicle

SPOT TRACE Satellite GPS Tracker

411-SPOT-TRACE	TRACE	£114.99
411-TRACE-CBL01	Waterproof power lead (USB)	£39.99

- Track the whereabouts of your vehicle, boat or other assets on your online SPOT account, & receive a text/email alert when movement is detected
- Basic service tracks GPS coordinates every 5, 10, 30 or 60 minutes; Optional Extreme Tracking tracks every 2.5 minutes
- Motion-activated tracking sends GPS coordinates only when moving; TRACE enters Suspended Track mode when stationary for 5 minutes
- The SPOT Trace GPS Tracker also sends Daily Status, Low Battery and Power Off alerts
- Dock mode helps eliminate false tracks caused by wave movement on boats
- Operates in temperatures from -30° to 60°C and altitudes from -100 to 6,500m
- Includes 4 AAA rechargeable lithium batteries (up to 4.5 months battery life). Can also be powered via microUSB port (cable available separately)
- Note: Requires active SPOT subscription; existing SPOT customers can use current accounts

SPOT Gen4 Service Plans (Excluding VAT)

Annual Plan (12 month term applies)	€143.40 Year or €11.95 per month
Extreme Tracking (for Annual Plan)	€59.40 Year or €4.95 per month
Flex Plan (1 month minimum term)	€14.95 per month
Extreme Tracking (for Flex Plan)	€6.25 per month
Flex Charge* (per year at renewal)	€24.95
Activation Fee** (for both annual & flex plans per year at renewal)	€19.95

SPOT TRACE Service Plans (Excluding VAT)

Annual Plan (12 month term applies)	€119.40 Year or €9.95 per month
Extreme Tracking (for Annual Plan)	€44.99 Year or €4.55 per month
Flex Plan (1 month minimum term)	€12.50 per month
Extreme Tracking (for Flex Plan)	€6.25 per month
Flex Charge* (per year at renewal)	€24.95
Activation Fee** (for both annual & flex plans per year at renewal)	€19.95

Additional Considerations

The SPOT Gen3 & Trace devices requires an active service subscription to properly perform tracking functions. All subscriptions auto-renew at the end of the contract term.

* Enrolment in any Flex Plan is subject to a €24.95 (Excl. VAT) Annual Flex Charge that is collected once per year at renewal, even if the device is suspended at that time. This Flex charge allows you to suspend the service at any time during the year without activation fee recurrence when turning service on again. All Flex Plans have a one month minimum term.

All Annual Contract Plans are 12 month terms with the option of monthly payments or one annual upfront payment.

** All Annual & Flex plans are subject to a one-time €19.95 (Excl. VAT) activation fee. Early termination of the service agreement will require a customer to pay an Early Termination Fee to the amount of 100% of the outstanding balance of the contract, plus the full amount of any credits issued during the Term (including promotions).

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

ANTI FOULING CONTROL

EFC uses pulses of Ultrasonic frequencies to deter micro organisms from attaching themselves to your motor boat or sail boats hull.

The Ultrasonic frequencies are delivered to the boats hull through a series of transducers that are attached to the inside of the bilge area meaning no through hull drilling is required.

The pulsing of the transducers creates areas of negative and positive pressure resulting in micro jets surrounding the boats hull leading to the destruction of the single cell micro organisms (Algae).

This pulsing effectively creates an invisible shield around the boats hull protecting it from these micro organisms commonly referred to as Bio-foul.

This Bio-foul is the first stage in the overall marine food chain and the removal of such Bio-foul results in the removal of the food source for larger aquatic wildlife such as barnacles.

The ultra high frequencies are not harmful to humans, fish, plant life or any other marine based life forms.

UK Designed, Developed and Manufactured.

Common Features
- Power off on low voltage
- Over voltage / temperature shut down
- Individual Transducer output monitoring for over and under current
- Intelligent power monitoring for optimal performance
- Sleep functionality

What are the benefits of EFC?

1 | Enviromentally friendly ultrasonic technology

2 | No more annual lift outs to antifoul

3 | Reliable performance

4 | Reduced on-going costs

5 | Simple installation - In-Hull mounted

6 | Consistent fouling control

7 | Low maintenance compared to conventional coatings

8 | Intelligent power optimisation

9 | 24/7 protection with no loss in boat performance

EFC100 / EFC200

028-EFC100	EFC100 - with 1 x 50W Transducer	£1,509.00
028-EFC200	EFC200 - with 2 x 50W Transducer	£1,659.00

Includes:
- 1 x Intelligent IP65 Rated Control Unit
- 1 x 50W IP69 Transducers (EFC200 : 2 x Transducers)
- 2 Year Return to UK base Warranty
- 1 x 12v / 24v H05RN Silicon DC Power Cable
- DC Input : 12-30 VDC
- Consumption @ 12 VDC 0.4 Amps/HR
- Optional Solar Kit available

Ideal to suppress bio-fouling on Stern Gear, Sea Chests and Cooling Systems, as well as Fixed Offshore installations where fouling is an issue.

Optional Solar Kit for EFC100/EFC200

EGC100-OPT	Optional Solar Kit	£430.00

ANTI FOULING CONTROL

EFC300

028-EFC300	£2,109.00

Includes:

- 1 x Intelligent Control Unit
- 3 x 50W IP69 Transducers
- 1 x 110-240V AC Power Supply Unit
- 1 x UK Plug
- 2 Year Return to UK base Warranty
- 1 x 6M H05RN Silicon Transducer Cable with IP69 Plug and Play connectors
- 2 x 8M H05RN Silicon Transducer Cable with IP69 Plug and Play connectors
- 1 x 12v / 24v H05RN Silicon DC Power Cable
- AC Input : 110-240 VAC 50/60Hz
- DC Input : 12-30 VDC
- Consumption @ 12 VDC 0.4 Amps/HR

EFC600

028-EFC600	£4,206.00

Includes:

- 1 x Intelligent Control Unit
- 6 x 50W IP69 Transducers
- 1 x 110-240V AC Power Supply Unit
- 1 x UK Plug
- 2 Year Return to UK base Warranty
- 2 x 6M H05RN Silicon Transducer Cable with IP69 Plug and Play connectors
- 4 x 8M H05RN Silicon Transducer Cable with IP69 Plug and Play connectors
- 2 x 12v / 24v H05RN Silicon DC Power Cable
- AC Input : 110-240 VAC 50/60Hz
- DC Input : 12-30 VDC
- Consumption @ 12 VDC 0.8 Amps/HR

Rough indication of transducer placement

- 🔴 For boats with waterline length <10m
- 🔴🔵 For boats with waterline length 10m - 20m

Boat Size Guide	Type	Recommended Solution
Less than 10m (32ft)	RIB	EFC100
	Boat	EFC200
	Catamaran	EFC200 x 2
Between 10m to 20m (32ft - 65ft)	Boat	EFC300
	Catamaran	EFC300 x 2
Greater than 20m (65ft)	All	Contact us to determine best solution based on individual boat
Commercial Vessels		
Sea Chest and Pipes		

- 🔴 The transducers should be located towards the stern between the propeller and the rudder. One should be placed to port and the other to starboard approximately 30cm from the centre line. This specific location is not critical and is for advise only.

- 🔴🔵 The additional transducer should be located towards the bow. It can be located either port or starboard of the centre line.

Disclaimer - The system does not remove the requirement for boat maintenance and the system has a return to base warranty.
Existing antifoul or bottom paint applied will deteriorate over time and repainting may still be required.

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

WIRELESS VESSEL MONITORING

TAKING THE WORRY OUT OF LEAVING YOUR BOAT

D O K E N S I P

Dokensip System Pack

302-PACKDK	**£899.95**

All inclusive wireless boat monitoring system with one year Subscription Service*. System features set of wireless sensors and a fully integrated platform with desktop web application software and iOS and Android Smartphone apps. Detect system alarms with motion sensor, water/bilge sensor, shore power sensor, battery voltage sensor and a Dokie.

Includes

- 1 x Core module DCK
- 1x Bilge Water Sensor DKA
- 1x Battery Sensor DKB
- 1x Shore Power Sensor DKC
- 1x Motion Sensor DKP
- 1x Dokie (Wireless FOB)

* 12 months monitoring & alert service subscription included. Annual renewal EUR 19,90 per month (Subscriptions renewal price at time of publication)

Dokensip Starter Pack

302-PACKST	**£699.95**

For all those boats which only need battery and bilge monitoring, DOKENSIP makes a great offer with its Starter Pack. All advantages of the Full Pack are included: FCS system plus MAP process. Includes one year Subscription Service *
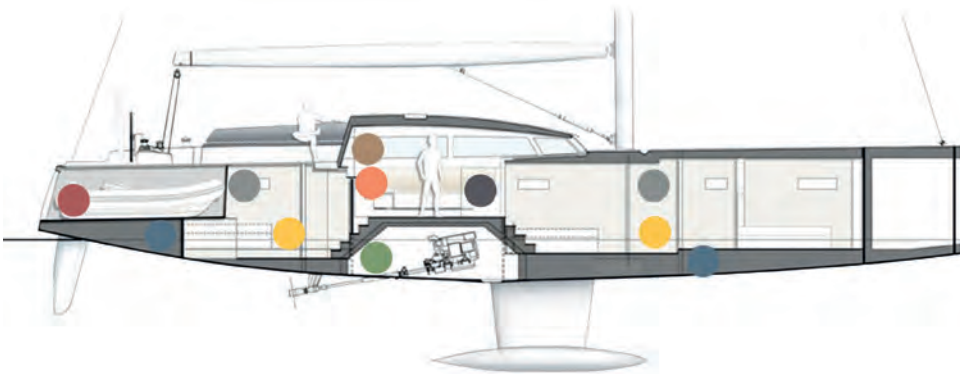
Includes

- 1 x Core Module DCK
- 1 x Bilge Water Sensor DKA
- 1 x Battery Sensor DKB
- 1 x DOKIE (Wireless FOB)

* 12 months monitoring & alert service subscription included. Annual renewal EUR 19,90 per month (Subscriptions renewal price at time of publication)

Subscription Required

System Accessories

302-DCK	Main Core Module	**£449.95**
Sensors		
302-DKA	Bilge Water Sensor	**£179.95**
302-DKB	Battery Sensor	**£179.95**
302-DKC	Shore Power Sensor	**£179.95**
302-DKR	Switch Relay	**£239.95**
302-DKT	Temperature Sensor	**£179.95**
302-DKP	Motion Sensor	**£179.95**
302-SIDER	Wireless Security Tag	**£129.95**

System Core

Temperature Sensor

Shore Power Sensor

Camera (Coming Soon)

Battery Voltage

Motion Detector

Bilge Water Sensor
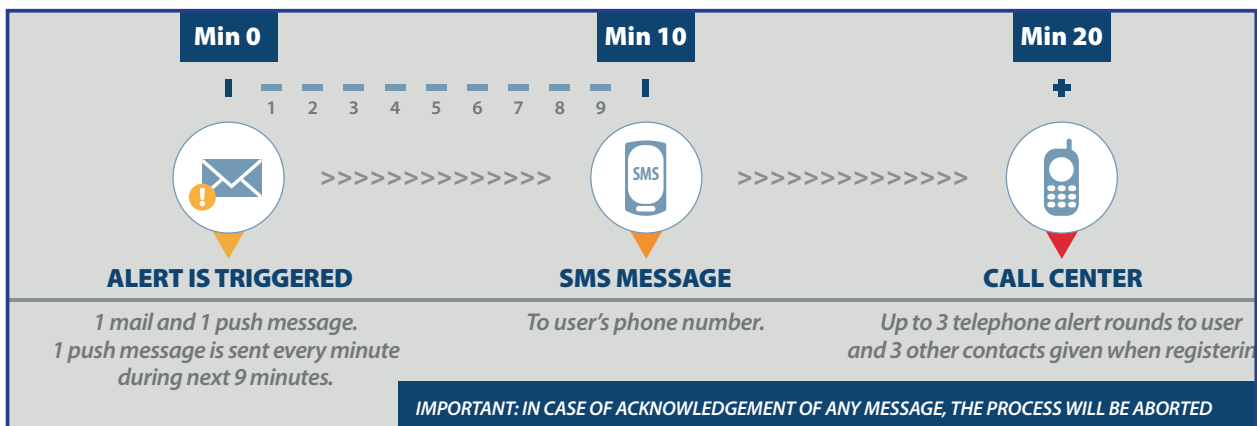
Switch Relay

Min 0	Min 10	Min 20
1 2 3 4 5 6 7 8 9		+
✉	SMS	☎
>>>>>>>>>>>>>	>>>>>>>>>>>>>	
ALERT IS TRIGGERED	**SMS MESSAGE**	**CALL CENTER**
1 mail and 1 push message. 1 push message is sent every minute during next 9 minutes.	*To user's phone number.*	*Up to 3 telephone alert rounds to user and 3 other contacts given when registerin*

IMPORTANT: IN CASE OF ACKNOWLEDGEMENT OF ANY MESSAGE, THE PROCESS WILL BE ABORTED

Multichannel Alert Process

DOKENSIP´s exclusive multichannel alert process is activated as soon as an alert is triggered onboard. In that moment, the system will send you an e-mail to the provided e-mail account and a push notification to your DOKENSIP app in your mobile phone.

Within 10 minutes, the system will send you a push notification to the app every minute.

After those 10 push notifications, you will get an SMS message in your mobile phone,

and 10 minutes later, DOKENSIP will call you and up to 3 other contacts you might want to be alerted in case something goes on onboard.

Important: at any stage of the process, if any of the notifications is acknowledged, the process will be aborted. We understand that you are aware of what is going on onboard and that you will take the appropriate action.

PROFESSIONAL WATERPROOF LED WORK LIGHTS WHICH WON'T LET YOU DOWN

SCANGRIP®
INNOVATION FROM DENMARK

NOVA SPS Work Lights

719-03.6002UK	NOVA 10 SPS	£359.90
719-03.6001UK	NOVA 6 SPS	£279.90
719-03.6000UK	NOVA 4 SPS	£229.90

NEW 2021

NOVA Work Lights

719-035534UK	NOVA 10K	£259.90
719-035533UK	NOVA 5K Cable + Rechargeable	£234.90
719-035532UK	NOVA 5K	£144.90
719-035531UK	NOVA 3K Cable + Rechargeable	£194.90
719-035530UK	NOVA 3K	£124.90
719-03.5456UK	NOVA R Rechargeable	£104.90

	Dimensions mm:	Battery Type / Capacity mAh	Min/Max Lumen	Impact Rating	Light Levels	Power Outlet	Power Source
NOVA 4 SPS	240 x 104	Li-ion / 4000	600 / 4000	IP67	5	1 x USB 5V/1A	100-240V AC 50/60Hz + Rechargeable Battery
NOVA 6 SPS	270 x 120	Li-ion / 8000	900 / 6000	IP67	5	1 x USB 5V/1A	100-240V AC 50/60Hz + Rechargeable Battery
NOVA 10 SPS	290 x 125	Li-ion / 8000	1600 / 10000	IP67	5	1 x USB 5V/1A	100-240V AC 50/60Hz + Rechargeable Battery
NOVA R	163 x 63	Li-ion / 4000	200 / 2000	IP67	5	1 x USB 5V/1A	Rechargeable Battery
NOVA 3K	233 x 88	N/A	500 / 3000	IP67	5	N/A	100-240V AC 50/60Hz
NOVA 3K C + R	233 x 88	Li-ion / 4400	500 / 3000	IP67	5	N/A	100-240V AC 50/60Hz + Rechargeable Battery
NOVA 5K	267 x 87	N/A	800 / 5000	IP67	5	N/A	100-240V AC 50/60Hz
NOVA 5K C + R	267 x 87	Li-ion / 5200	800 / 5000	IP67	5	N/A	100-240V AC 50/60Hz + Rechargeable Battery
NOVA 10K	298 x 102	N/A	1600 / 10000	IP67	5	N/A	100-240V AC 50/60Hz

Accessories for NOVA

719-035342	Car Charger Cable	£29.90
719-035433	Wheel Stand	£119.90
719-035431	Tripod Mount	£99.90
719-035308	Dual Adapter Bracket for Tripod and Wheel Stand	£24.90

Magnetic Brackets

Wheel Stand (extends from 0.7 to 1.9m)

Tripod Mount (extends from 1.35 to 3m)

I-VIEW Headlamp

719-035026	£71.90

NIGHT-VIEW Headlamp

719-035438	£79.90

Switch between Red and White illumination, for best working conditions.

FLASH MINI TORCH

719-035102	Pack of 12	£94.80

- High power LED
- 2000 lux@0.5m
- 50 lumen
- 10h operating time
- Light reaches up to 50 m
- Incl. 3xAAA/1.5V Alkaline batteries
- Weight: 84g
- IP54

Counter Top Display perfect for an impulse purchase. Each torch only £7.90 RRP each

	Battery Type / Capacity mAh	Min/Max Lumen	Impact Rating	Light Levels
I-VIEW	Li-Polymer / 1600	400 / 600	IP65	2
NIGHT VIEW	Li-Polymer / 1600	250 / 500	IP65	2

Visit www.smgeurope.com to view the full SCANGRIP range

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

HOLD EVERYTHING WITH RAILBLAZA...

Choose a mount.....

Choose an accessory....

Get out on the water

StarPort

890-03401511	Single - Black	£13.00
890-03400111	Pair - Black	£23.00
890-03409411	Pack of 5 - Black	£52.00
890-03401521	Single - White	£13.00
890-03400121	Pair - White	£23.00
890-03409421	Pack of 5 - White	£52.00

- Unique and versatile mount used in a huge number of applications, horizontally or vertically mounted
- Can be surface or recess mounted on power boats, inflatables, sail boats, kayaks, ATVs, garages & many other applications
- Includes stylish locking slide for securing accessories firmly
- Gasket and bung reduces water ingress

StarPort HD

890-03404611	StarPort HD	£12.00
890-03410911	TracMount Kit	£10.00

- Four screw base mount
- RAILBLAZA's accessories can now easily be fitted to vessels with the mount base pattern of Scotty, RAM, Cannon, Fish-On, and many others
- Can also be centrally mounted on many popular track systems, with the added versatility of tool-free adjustment
- StarPort HD can also be attached using self tapping screws, long tri grip rivets, machine screws and nuts or rubber well nuts

QuikPort

890-03408711	Black	£17.00
890-03408721	White	£17.00

- Low profile, stick on StarPort, with a 90mm diameter
- Designed for use on Inflatable boats and SUP's
- Use to mount your camera, navigation lights, phone, or drink holder to almost anywhere.
- Fits into much tighter spaces than the RIBPort
- Suitable for use on almost any surface, QuikPort comes with a 3M VHB self-adhesive pad & can be mounted on PVC, Hypalon, fibreglass, epoxy, and aluminium

RIBPort (Inc. StarPort) inc 3M VHB

890-03406411	Black	£26.00
890-03406421	White	£26.00
890-03406451	Grey	£26.00

- Add useful StarPort attachments to your inflatable with a glue on pad
- Comes complete with StarPort, suitable for both PVC and Hypalon tubes
- Compatible with all StarPort accessories
- Supplied with 3M VHB pad allowing you to peel & stick in place easily

SidePort

890-03401411	Black	£12.00
890-03401421	White	£12.00

- Mount on a vertical surface, with a horizontal port (or vice versa)
- Ideally suited for gunwales of smaller aluminium boats or vertical cockpit wells on kayaks
- Fitted in only minutes, and sold with all necessary stainless steel fasteners

SwivelPort

890-03404211		£13.00

- Designed to allow accessories to be easily rotated 360°
- Factory set friction joint
- Attach to any StarPort, SidePort or RIBPort
- Accepts any StarPort accessory

Rail Mounts StarPort Combo

890-03400311	19-25mm - Black (No StarPorts)	£20.00
890-03401111	19-25mm - Black	£24.00
890-03401121	19-25mm - White	£24.00
890-03401311	32-41mm - Black	£26.00
890-03401321	32-41mm - White	£26.00

- 2 Rail Mounts designed to fit anything from a 19mm light rail on a sailboat, to a heavy 41mm Aka rail or Hobie H-Rail
- Fits sizes 19, 20, 25, 32 & 41mm round, & 32mm square
- No clearance required underneath, the 2 screws are fitted from the top

Pontoon Boat Railmount Starport

890-03414911		£

- Fits 28mm (1 ⅛ in) or 32mm (1 ¼ in) square rails allowing easy attachment of the full range of RAILBLAZA accessories.
- Rubber inserts avoid slippage when attached to rails
- StarPort locking slide secures accessories in place
- UV stabilised plastic
- Unique design avoids interference with rail wall
- Includes all fasteners

NEW 2021

CleatPort

890-03404411		£15.00

- Two applications in one - tie off point and StarPort compatible
- Provides extra functionality for RAILBLAZA accessories
- Has unique backing plate to keep the stainless fastenings from aluminium decks

CleatPort RIBMount inc 3M VHB

890-03406611	Black	£29.00
890-03406621	White	£29.00
890-03406651	Grey	£29.00

- Two applications in one - tie off point and StarPort compatible
- Provides extra functionality for RAILBLAZA accessories
- Has unique backing plate to keep the stainless fastenings from aluminium decks
- Supplied with 3M VHB pad allowing you to peel and stick the CleatPort RIBmount, then fit any of your favourite RAILBLAZA accessories

RAILBLAZA®

RodRak

890-09000811	Rod Holder - Black (2 Pack)	£25.00
890-09000821	Rod Holder - White (2 Pack)	£25.00
890-09001211	Pole Holder - Black	£16.00
890-09001221	Pole Holder - White	£16.00

- Soft flexible inserts protect handle and tip, & allow fast & easy stow/removal
- Holds poles/rods from 25 – 38mm (1 – 1.5in) diameter
- Stackable for multiple poles / rods
- Vertical or horizontal surfaces
- Made from UV Stabilised, fibreglass reinforced engineering polymers & stainless screws
- Fits any lengths

Rod Holder

Pole Holder

Rodstow

890-09000911	Single - Black	£9.50
890-09000921	Single - White	£9.50
890-09001011	Double with caddy - Black	£31.00
890-09001021	Double with caddy - White	£31.00
890-09001111	Triple with caddy - Black	£46.00
890-09001121	Triple with caddy - White	£46.00

- A vertical modular fishing rod storage rack and caddy to store rods above deck, safely and securely.
- Add more to make longer rod racks.
- Storage caddy for lures, traces & other tackle (not single version)
- Suitable for most rods and reels, including spinning, trigger, boat and game reels, and any length of fishing rod.
- Offset mounting feature built in, giving you a solution for storing larger reels, without them hitting each other.

Rod Holder II

890-02402011	Rod Holder II only - Black	£26.00
890-02402021	Rod Holder II only - White	£26.00
890-04402011	With StarPort kit - Black	£34.00
890-04402021	With StarPort kit - White	£34.00
890-04405511	With StarPort HD kit - Black	£33.00

- Rotating collar helps reduce 'strike-theft'
- Unique rear Gimble Lock feature
- Fully adjustable - Holds most fly rods, spinning reel rods and baitcasters
- Designed with strength in mind

Rod Holder R

890-02408211	Rod Holder R	£21.00
890-04408211	c/w StarPort HD Kit	£27.00

- Designed for holding Fishing Rods with spinning or baitcaster reels
- Stretchable strap at the front of the holder wraps around the top for Baitcaster reels and round the bottom for Spinning reels
- A light duty Rodholder best used for fresh water fish. Not designed for trolling
- Made from rugged fibre glass reinforced plastic
- Also available as a kit with a Rod Holder R, StarPort HD and Stainless fasteners

Rod Tube

890-02411811	Rod Tube only	£25.00
890-04411811	With StarPort HD Kit	£31.00

- Perfect for kayaks where anglers want to keep their reels elevated and clear of waves and splash
- With the innovative RAILBLAZA drop-down gimbal, you can either keep your reel high and dry, or slot the reel into the end of the tube
- Available as a complete kit with StarPort HD or as Rod Tube only to fit all other RAILBLAZA Ports

Rodholder Extender

890-02413711		£13.00

- Allows 125mm (5 in) of extension for Rod Holder II, Rod Holder R and Rod Tube
- Gives full adjustability allowing the rod holder to be extended outwards or conveniently position the rod holder closer on the kayak.
- Care must be taken if used for trolling. Breakage can occur if drag is not set correctly. Always use a leash.

Fish Finder Mount R-Lock Hook

890-02414211		£33.00

- A mount for Lowrance HOOK^2 4x, 5x and Reveal 5 fish finder models.
- Friction joints top and bottom featuring R-Lock lockable joints (pat pending).
- Centre joint is fully adjustable in 15-degree increments.
- Mount on angled surfaces and have the display level.
- Height 170mm (6.7 in)

Lowrance Hook Adaptor

890-02414311		£13.00

- An adaptor allowing Lowrance HOOK^2 4x, 5x and Reveal 5 models to become StarPort compatible.
- Height 80mm (3.15 in)

Fish Finder Mount R-Lock R

890-02414111		£33.00

- A platform for mounting fish finders or chart plotters with U shaped brackets.
- Has friction joints top and bottom featuring R-Lock lockable joints (pat pending)
- Fully adjustable centre joint in 15-degree increments
- Fits most fish finder brands up to 1.5kg's
- Mount on angled surfaces and have your display level
- 160 x 60mm x Height 170mm

Quik Grip Paddle Clip Star Mount

890-02412011	28mm	£12.00
890-02412111	32mm	£12.00

- Fits any RAILBLAZA port
- Ideally suited for holding kayak or SUP paddles
- Also suitable for storing landing nets, boat hooks and many other items that have a round shaft
- Available in two sizes

Quik Grip Paddle Clip Track Mount

890-08005211	28mm	£20.00

- Fits most kayak tracks including RAILBLAZA Expanda Track, Ascend, Wilderness Systems, Native Watercraft, YakGear and Yak Attack
- Easy to fit and holds most standard paddle shafts

Quik Grip Pole Clip

890-04411611	28mm	£39.00
890-04411711	32mm	£39.00

- Secure push poles when not in use
- Clamps tightly to push pole
- Rotates 360 degrees and Pivots 180 degrees
- Available in two sizes
- Supplied with StarPort and fasteners
- Allows for easy removal for stowage or adding other accessories

RAILBLAZA

Kayak Visibility Kit II

890-04408411   **£97.00**

- A must-have safety item in the kit of any kayak angler, or recreational paddler. Everything needed for your kayak or canoe to be seen on the water day and night
- All parts are compatible with the full range of StarPorts & accessories
- Quick and easy disassembly and it will store just about anywhere
- **Kit Includes :** Orange flouro flag, i360 All-round white light, Extenda Pole 1000 with velcro storage strap, StarPort HD mount and Fasteners pack

Dinghy Visibility Kit

890-04411911   **£97.00**

- For vessels under 7 meters that do not exceed 7 knots
- Provides you with everything you need to be seen on the water at night
- **Kit Includes :** Extenda pole 1000, Illuminate i360 All Round White LED light USCG2NM, SidePort easily fitted to dinghy transom, 1 x fastener pack & Handy storage bag with draw string

NaviPack Portable LED Navigation Light Kit

890-04409211   **£176.00**

- The perfect companion for small, tiller steered power boats, inflatables, or as an emergency nav light pack for larger vessels
- Supplied with three RAILBLAZA mounts, you can use the StarPort, SidePort or QuikPort for endless mounting possibilities
- Quick and easy disassembly and it will store just about anywhere
- **Kit Includes :** i360 All-round white light, IPS Port/starboard light, Extenda pole 1000, StarPort, SidePort, QuikPort & Fasteners plus Storage bag

Illuminate iPS Bi-Colour Navigation Light

890-02500511   **£78.00**

- High quality materials, & the latest LED technology
- 3 operation modes;
  - Bi-Colour Port Starboard 2nm, 12-14hr battery life
  - Port light only, 2nm, 20-24hr battery life
  - Starboard light only, 2nm, 20-24hr battery life
- Waterproof to 1 metre & floats with lens clear of water
- Powered by 3 x AA batteries, not supplied
- Fits any RAILBLAZA mounting port, ordered separately
- Meets USCG 2NM

Illuminate i360 All-Round White Light

890-02500411   **£57.00**

- High quality materials, & the latest LED technology
- 3 operation modes;
  - Full brightness navigation 2nm – up to 25hrs battery life
  - Low brightness work – up to 160 hrs battery life
  - Flashing emergency – over 200hrs battery life
- Waterproof to 1 metre
- Floats with lens clear of water
- Fits any RAILBLAZA mounting port (not included)
- Meets USCG 2NM

![RAILBLAZA logo]

Universal Kayak Motor Mount

890-04409111	£190.00

- Super easy to clip on and off, your kayak can change from paddle only, to motor ready in under 30 seconds
- This bracket will fit most models of kayak & is suitable for, but not limited to the following motors:
  - Minn Kota, all transom models
  - MotorGuide, all transom models
  - Water Snake, all transom models
  - Torqeedo, all transom models
  - Honda Marine 2HP
  - Mercury 2.5HP
  - Yamaha 2HP
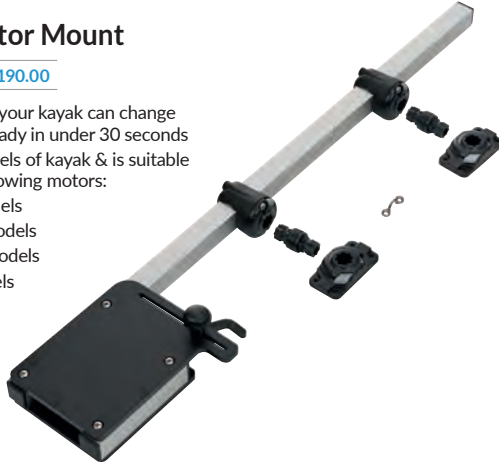
Kayak & Canoe Sounder & Transducer Mount

890-02406011	£58.00

- Developed for kayak anglers needing a quick & easy way to install & remove fishfinders or sounders
- With our extensive selection of mounts this kit can be adapted to fit any kayak or canoe
- Transducer arm length : 235mm
- **Kit Includes :** SwivelPort, Adjustable Knuckle joint (not available separately), Fixed StarPort Extender, Cheek Mount Adaptor*, Rotating Platform, 4 x cable ties, 1x mounting screw

Rotates out of water when not in use

Kayak/Dinghy Transducer Arm

890-02408611	XL Version	£42.00
890-08408511	XXL Version	£45.00

- Designed for kayaks and canoes with high freeboards, & dinghys with a solid transom allowing easy retraction & removal of the depth sounder transducer
- With this kit you can install & uninstall your fishfinder transducer in a matter of seconds. No messy adhesives or excessive drilling of fittings required
- With our extensive selection of mounts (not supplied) this arm can be adapted to fit any kayak, canoe or dinghy
- 2 versions available :
  - XL : 415mm length
  - XXL : 700mm length

NOTE:
The transducer arm does not come with any Mounting Ports. **Mounting Port options:** ordered separately.

Trolling Motor Support Kit

890-04414811	£29.00

- Secure support for trolling motor shafts while travelling
- Fixed extender gives you the correct height off the deck and the G-Hold gives tight retention for the trolling motor shaft
- The support can be removed from the StarPort when not used, clearing the deck for fishing. Other mounts are also available if the StarPort is not suitable for the application.
- An adjustable extender R-Lock can also be used where the shaft is offset from the mount
- Total height off deck : 160mm (6.3 in)

Flag Whip and Pennant

890-02401011	£24.00

- Light, mobile & flexible - Ideal for kayaks, ATVs or wherever increased visual presence is needed
- 1200mm in length (47.25")
- Comes with 300 x 150mm pennant
- Easily removed for transporting

FlagPole

890-02400911	£31.00

- Light and strong, whether you need to mount a diving flag or just proudly display your allegiance to club, sport, country or hoist the Jolly Roger
- Easily removed for stowing
- 800mm in length (31.5")

DrinkHold

890-02404811	Black	**£11.00**
890-02404821	White	**£11.00**

- Simple Drink Holder for mugs, bottles, lures and pliers
- Easily transferable to other StarPort sockets
- Easily removed and stowed when not in use or transferred to another position

StowPod

890-02404011	Black	**£20.00**
890-02404021	White	**£20.00**

- Flexible with movable drink holder partition
- Mount it in any place you can install a StarPort, SidePort, RIBPort or RailMount (not included)
- Easily removed and stowed when not in use or transferred to another position
- W: 255 x H: 88 x D: 105 mm excl. Star Adaptor
- UV resistant material

CupClam

890-02401311		**£16.00**

- Mount in either horizontally or vertically mounted StarPorts
- Holds mugs, stubbies, wine glasses, even cellphones
- Extendable fingers hold taller items in place
- Collapses into a convenient flatpack for easy storage

Fillet Table

890-02402411	No StarPorts included	**£64.00**

- Convenient size of 525 x 350 mm
- Knife storage at the back for safety
- An all-round drain that stops spill from the front plus easy-fit overboard drain
- No front lip to get in the way while filleting

Dive/Gas Bottle Holder Kit

890-02405611		**£29.00**

- Can be used for holding dive bottles , gas bottles, fuel and water cans
- Can be permanently mounted using fastenings supplied or made removable using our StarPort mounting system
- Kit includes: 2 x Brackets,
  2 x Straps, 2 x Ladder locks,
  1 x Side release buckle,
  2 x Star adapters for mounting into StarPorts,
  2 x Screw packs (allows permanent mounting)

Tackle Caddy

NEW 2021

890-09415011	Console Mount	**£39.99**
890-09415111	Trac Mount	**£46.99**

- Holds 2 x Plano 3400 series Original Stowaway tackle boxes or similar
- Holds pliers, keys, lures, phones, VHF's, binoculars, drink bottles, sunblock & much more...
- TracMount model can easily be removed and stowed when not in use or transfered to another position on the gunnel track
- UV resistant material
- Supplied with 800mm (31.5") of 3mm (1/8") bungee cord for tool and tackle box retention
- Dimensions 300W x 115H x 125D mm

Clevis/Bimini Support

890-02403211	Clevis Pair - Black	**£14.00**
890-02403221	Clevis Pair - White	**£14.00**

Attach a Bimini, kayak sail, light pole or many other items to your boat, kayak, or anything else.

RowLock (Pair)

890-02404711		**£23.00**

- Adds versatility to the RIBPort. Fit the Rowlock when ready for rowing & remove when not in use
- Fits most standard aluminium oars
- Adds flexibility to Starport installations

Extender

890-03401611	Starport Extender	**£13.00**

- The Fixed Extender gives you 125 mm (5 in) of clearance perfect for raising RAILBLAZA's Fillet Table, keeping fly rods clear of the water, & many other applications
- Plugs into any StarPort, and has the same star shape on top with a clever little lock

Adjustable Extender R-Lock

890-03414411		**£22.00**

- Two rotating R-Lock friction joints and a knuckle joint that tilts in 15° increments, the Adjustable Extender R-Lock adds great versatility
- Coupled with one of RAILBLAZA's accessories, it helps keep hold of your emergency torch, fishfinder, or any number of useful items

G-Holds (Single)

890-02402611	35mm (1 ³/₈")	**£11.00**
890-02402711	50mm (2")	**£11.00**
890-02402811	75mm (3")	**£12.00**

- Holds varying types of items, like torches, knife sheathes, boathooks, oars, gaffs & much more
- 3 diameters - 35, 50 or 75 mm
- Installs in any StarPort (ordered separately)
- Flexible quick-release strap has two securing points for minimum and maximum diameters

Hooks & Eyes

890-02400311	Eye25 Pair	**£8.00**
890-02400411	Hook25 Pair	**£8.00**
890-02400511	Webeye30 Pair	**£8.00**

- These simple accessories can be used in a myriad of ways
- Webeye's are crafted for webbing straps to reduce fold over

Hook25 **Eye25** **Webeye 30**

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

RAILBLAZA®

E Series USB StarPort

890-03408011	**£27.00**

- Combines a USB connector within our StarPort base allowing you to charge your tablets, mobile phones & many other devices
- This can be achieved using our range of device holders & StowPods to hold your device while charging
- Designed for use on a 12 VDC supply, rated at 2.1Amps.
- For charging only and not for data transfer

E Series Cable Entry Port

890-03415711	**£19.99**

NEW 2021

- E Series Cable Entry Port allows easy access for cables through the deck for tidy electronic mounting solutions.
- Works well with the RAILBLAZA electronics mounts.
- 2 flexible inserts included catering for 3-7mmØ cables.
- Plus 1 x double entry insert for 2 x 6mmØ cables.
- For full waterproof solution, silicon sealer will be required.

ScreenGrabba R-Lock

890-04413111	c/w StarPort Kit	**£55.00**
890-02413111	No StarPort Kit	**£49.00**

- Adjustable to fit different thicknesses of iPads, tablets and cases. Rubber grips for extra holding power
- Fits 120 - 250mm tablets
- 360° rotatable and allows portrait & landscape viewing, lockable with R-Lock feature
- Over 90° tiltable
- Will hold most hard & soft dry cases

Mobile Device Holder

890-02403311	Adjustable	**£32.00**
890-02403411	Fixed (Low profile)	**£26.00**

- Attach it to any place you can install a StarPort, SidePort, RIBPort or RailMount (ordered separately)
- Spring loaded arms with rubber grip pads
- Optional retaining strap
- Adjustable and low profile options
- Holds Cellphone, VHF, EPIRB, Handheld GPS

Adaptor

890-02404311	Pair	**£10.00**

- Attach to accessories to make them StarPort compatible
- Alternatively bolt 2 adaptors together to make a male to male fitting which has been used to create a detachable system for tubes on kayak sailor kits and outriggers and has many other applications
- Enhances the versatility of your StarPort system

Swing Arm R-Lock

890-02414711	**£23.00**

- For applications where you need to move electronic screens out to a better viewing angle or for stowing screens out of the way
- Ideally suited for sounders, plotters or ScreenGrabba with a tablet
- Use in conjunction with the Rotating Platform S and R.
- Can also be used for our Mobi, DrinkHolds or StowPods.
- Size : 200 L x 110 H mm (8 in x 4.3 in

Camera Mounts

890-02405311	Camera Mount adaptor	**£16.00**

- Fits all Camera Mounts with a 1/4 20 thread insert & includes GoPro Tripod adaptor
- Fits any RAILBLAZA Mount
- Adds flexibility to Starport installations

|		
890-02413011	Camera Mount R-Lock	**£32.00**

- Fits all cameras with a ¼ 20 thread insert allowing them to become StarPort compatible
- Kit includes GoPro tripod adaptor
- Mounts on rails, boats, kayaks and inflatables with the correct RAILBLAZA mount
- Can be extended using RAILBLAZA Camera Booms or Extenders

Pro Series Boom Mounts

890-02413211	Camera Boom 600 R-Lock	**£62.00**

- Easy to adjust 5-axis movement using the RAILBLAZA R-Lock lockable friction joints (patent pending)
- Fits all cameras with ¼ 20 thread insert
- Kit includes GoPro tripod adaptor, high quality UV proof plastics, anodised aluminium and stainless steel fasteners
- Allows mounting of light, modern digital cameras up to 0.8kg
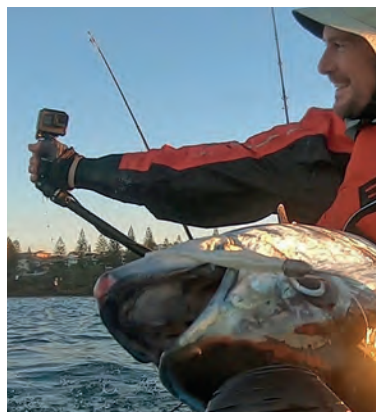
Captain's Hook

890-09000711	Pair	£13.00

- An expandable low profile solution for hanging ropes, hoses, paddles and much more.
- Supplied with fasteners and a 1m length of cord which can be adjusted to length for varying applications.
- Low profile to avoid catching people or clothes when not in use

Extenda Pole 1000

890-02406711		£29.00

- Adds to versatility of the RAILBLAZA system.
- With a male StarPort adaptor at one end & a female StarPort at the top
- Fully collapsible for easy stowing.
- Use at 3 different heights, 1 section 380mm(15"), 2 sections 680mm (27") or 3 sections 980mm (38.5")
- Fly a flag, attach a light, attach a camera mount kit or adjustable extender with a G-Hold to hold a torch.
- Fits into any StarPort, SidePort, RailMount or RIBPort (not included)

Adjustable Platform

890-02400211	Platform Adjustable	£18.00
890-04400211	c/w StarPort Kit	£28.00

- Attach any platform-type product to a StarPort, eg: Fillet Tables, barbecues, tables, solar panels etc.
- Adjustable angles forward and back 90°
- Supplied in singles.
- Platform size 100 x 64mm (4 x 2.5in).

Rotating Platform S/R

890-02402111	S 102mm(4") sq	£17.00
890-02413611	R 160L x 60W mm (6.25" x 2.3")	£17.00

- For mounting sounders or chartplotters, where a fixed plane surface is required, but rotation is needed.

Fishfinder Mount R-Lock S

890-02414011		£32.00

- This 3 axis mount has friction joints top and bottom featuring R-Lock lockable joints (pat pending). The centre joint is fully adjustable in 15-degree increments.
- Designed with sounders & chartplotter devices up to 1.5kg's in mind
- Allows mounting on angled surfaces & keep your display level.
- Platform size 102 x 102mm, height 170mm

All prices SRP inc VAT.   For trade prices and stock availability visit www.smgeurope.com

RAILBLAZA

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RAILBLAZA®

Hatch Wedge

890-09000611	Pair	£7.00

- Holds the hatch open at 25, 50, 75, and 125mm (1, 2, 3 and 5"), and can be easily tethered
- The pattern of ridges and recesses will stop it from slipping out
- Suitable for most hatches including Lewmar, Goiot, Moonlight, Vetus, Bomar, Gebo and Maxwell

Slimline Track 300mm

890-01412511	£19.00

- Supplied in a 300mm (12") length
- This compact track will fit most US brand kayaks
- Supplied with coarse self-tapping stainless steel screws
- Receives the MiniPort TracMount, StarPort or StarPort HD – with the relevant TracMount kit

TracPort Dash

890-03410311	TracPort Dash 350	£66.00
890-03410211	TracPort Dash 500	£94.00
890-03410511	TracPort Dash 1000 - Silver	£100.00
890-03410611	TracPort Dash 1500	£136.00
890-03410711	TracPort Dash 2000	£165.00
890-03410111	StarPort TracNut Combo	£13.00

- Adds versatility and adjustability to your StarPort positioning
- Turns 1 StarPort into 3 or 2 StarPorts into 4
- StarPorts slide to adjust in track
- Extra StarPort TracMounts are available separately

TracLoader Gunnel Track

NEW 2021

890-01415411	300mm - Track only	£27.99
890-01415511	500mm - Track only	£34.99
890-01415611	1000mm - Track only	£55.99

- The TracLoader Gunnel Track is designed for boats that do not have tracks installed.
- Ideally suited for fibreglass boats & aluminium boats with vertical gunnels or coamings. The anodised aluminium tracks with mounting slots and all fasteners supplied make for easy installation.
- Mounts and accessories ordered separately.

MiniPort

NEW 2021

890-08008711	Screw Mount 6mm	£10.00
890-08005611	Screw Mount 8mm	£10.00
890-03410811	TracMount	£13.00

- 6mm Screw Mount designed for 2020-21 Red Paddle boards
- 8mm Screw Mount designed for 2017-19 Red Paddle boards
- TracMount version designed to fit most existing tracks, inc. YakAttack, Wilderness Systems, Native Watercraft & Yak Gear
- Completely tool-less operation
- Easily fit and adjust simply by turning the MiniPort to tighten or release
- Designed for use in light duty applications
- Miniport TracMount upgraded for 2021

TracLoader Gunnel Mount

NEW 2021

890-03412811	SidePort TracLoader	£21.99
890-03412911	StarPort TracLoader	£21.99

- Gunnel accessory mounting system. Accessorise your boat or kayak without drilling any holes. Supplied with 2 x sets track bolts.
- Square track bolt will fit Crestliner SureMount gunnel tracks and most kayak tracks.
- Second T bolts supplied allows compatibility with most other USA boat gunnel track systems including LOWE, Lund, Tracker, War Eagle and many more.
- Plastic covers supplied for T bolts when using in RAILBLAZA gunnel tracks and also coaming tracks on Horizon and Stessl boats in Australia.

Expanda Trac Modular Kayak Track

|	
890-01412211	£16.00

- A versatile, low profile track which is modular, and can be expanded In 75mm (3") lengths
- Made of 15% fibreglass reinforced nylon the track is strong and UV resistant
- Receives the MiniPort TracMount, StarPort or StarPort HD – with the relevant TracMount kit
- Kit includes 4 track lengths, 2 end pieces and screws for 3 mounting options. The parts can be assembled to make a 100mm (4") or 200mm (8") track, or by clipping the 2 ends together you can make a mount which will receive the MiniPort TracMount

Kayak TracMount Pack

890-03410411	£11.00

- Allows StarPorts to be attached to leading brand kayak tracks, including Wilderness Systems, Yak Attack
- Sold as a pair of inserts and screws in one pack will attach one StarPort
- **NOTE:** StarPort not included
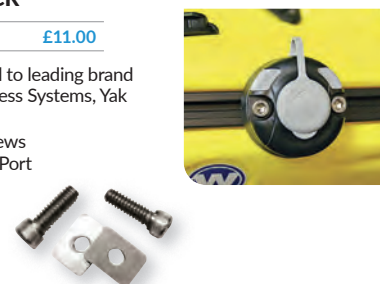
C.W.S. Bag (Carry. Wash. Store.)

890-02406881	450 x 450mm	£8.00

- Carrying, washing and storing your valuable RAILBLAZA equipment is now a lot easier with the C.W.S. Bag
- Simply remove the accessories from the StarPorts at the end of the day stow them into the mesh C.W.S. Bag, run the bag under a fresh water tap or hose to rinse off any salt or dirt and hang to dry
- Can also be used as a safety flag when used in conjunction with the RAILBLAZA Extenda pole 1000

StarPort Wall Sling (Pair)

890-04405011	£36.00

- Storage of a wide range of watercraft including SUPs, canoes, windsurfers and kayaks just got quicker and easier
- Supplied with StarPorts, slings, adjustment buckles and screws
- Frees up space in your garage, shed or yard
- Use your sling at another location by simply fitting two more StarPorts

C-TUG®
BY RAILBLAZA

The Ultimate Dinghy Wheels

890-50000951	Dinghy Wheels (Pair)	£114.95

The C-TUG Dinghy Wheels are a lightweight and rugged option for transporting your dinghy up the beach. Ideally suited for inflatable boat tenders or small lightweight boats.

- Easy installation & assembly
- Fibreglass reinforced UV resistant plastic
- Wheels easily removed when stowing dinghy
- Easy lock and unlock feature
- Multiple wheel positions
- 10 inch puncture free wheels
- Lightweight 4kg per pair
- Supplied with stainless steel fasteners and axles
- For use on boats up to 3.6m
- For use with outboards up to 15HP (2 stroke) or 9.9 HP (4 stroke)
- Recommended working load up to 100kg
- Recommended maximum static load 120kg (Load rating varies on different surfaces)
- May not suit all transom configurations
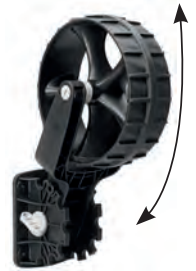- 2 year warranty

Versatility & Flexibility

Easy, quick removal for storage

Raise up when not required - Quickly lower when you need them

Easy lock/ unlock feature

C-Tug Trolley

C-TUG is the best, most versatile and durable kayak trolley on the market. It carries up to 120kg (300lbs), dismantles for easy stowing and won't rust. C-TUG trolleys are available with New Zealand made Puncture Free Wheels, or with SandTrakz Wheels.

SandTrakz puncture free wheels mimic the track system as used by bulldozers & military tanks, the outer rim compresses when in use giving a longer track length, reducing the chance of it digging in. On soft sand this reduces how hard you have to pull to move your trolley by more than half compared to standard puncture free Kiwi Wheels! In fact the SandTrakz system is so effective we think it's better than balloon wheels!

- Reinforced composite material
- Tool-free assembly
- Dismantles in under 20 seconds
- Fits inside kayak hatch
- Thermo-bonded elastomeric hull pads
- Stainless steel reinforced axles
- Adjustable kick-stand
- 2.4m (7.5') strap with cam-lock buckle
- Light weight 4.3 kg (10lbs) and easy to handle yet allows up to 120kg (300lbs) static loading

C-TUG SandTrakz Kayak Trolley

890-50000671	£129.95

C-TUG Kayak Trolley

890-50000171	£114.95

SandTrakz Wheels (Pair)

890-50000571	£69.95

Puncture-Free Wheels (Pair)

890-50000271	£39.95

Double Up Bar

890-50000771	£35.00

- Makes your C-TUG carry more
- Easily disassembled
- Supplied with 2 x 2.5m x 38mm straps
- Carry weights up to 160kg static loading
- Works with C-TUG & C-TUG SandTrakz
- Ideal for heavy kayaks, Dinghies & inflatable boats

![Airmar Technology Corporation logo]

Airmar's marine transducers include analogue sensors, NMEA 0183 sensors, NMEA 2000® and Ultrasonic Weatherstation® Instruments serve a wide range of international markets. The right transducer can enhance the performance of any echosounder, no matter what the power level or price. From small jet ski sensors to large steel tank transducers, Airmar's depth, speed, and temperature sensors are the most responsive in the market to get the best performance out of your unit.

Sensing Through Water

Offers the most advanced and dependable line of marine transducers trusted the world over. Airmar's CHIRP line of broadband transducers provide unparalleled coverage at depths once unheard of. Airmar also offers a full line of oceanographic and survey transducers as well as units with custom configurations
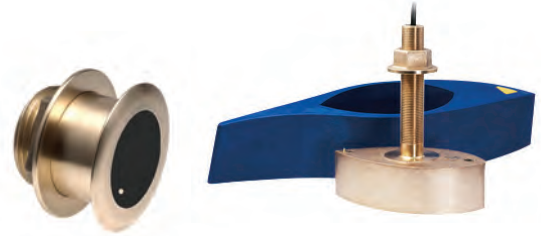
NMEA WeatherStation Instruments - Sensors supplied without cable

032-44858101	120WX WeatherStation	£1,208.68
032-44833101	150WX WeatherStation	£1,394.63
032-44832101	150WX WeatherStation with Humidity Sensor	£1,552.68
032-44849101	200WX-IPX7 WeatherStation	£2,454.54
032-44864101	220WX WeatherStation with RS232 interface	£2,017.56
032-44854101	220WX WeatherStation with RS422 interface	£2,017.56
032-44856101	220WXH WeatherStation	£2,677.68

Cable Accessories

032-3386201	NMEA 0183 - 15m cable	£130.16
032-33102902	NMEA 2000 - 6m cable	£92.98
032-33116701	NMEA 2000 - 10m cable	£133.88
032-33110402	NMEA 2000 - 30m cable	£278.93

- **120WX** : Apparent Wind - for Marine, Stationary or Mobile
- **150WX** : Apparent & True Wind - for Mobile and Land-based installations
- **200WX** : Apparent & True Wind - for Marine, Mobile and Stationary Offshore Platforms
- **220WX** : Apparent & True Wind - for Marine and Land-based installations

NMEA Cable Accessory

Features	120WX	150WX	220WX
	Apparent Wind Model	Apparent & Theoretical Wind Model	
	For Marine, Stationary or Mobile	For Land-based and mobile installations	For Marine and Land-based installations
Apparent wind speed and angle	●	●	●
Theoretical wind speed and direction		●	●
Barometric Pressure	●	●	●
IPX6 Waterproof Rating	●	●	●
Ultrasonic wind readings up to 90 mph (78 knots, 40 m/s)		●	
Air temperature plus calculated wind chill	●	●	●
Heater			
10 Hz GPS (Position, COG, SOG)		●	●
Two-axis solid state compass		●	
Three-axis solid-state compass with dynamic stabilization			●
Three-axis accelerometer for pitch and roll		●	●
Three-axis rate gyros provide rate-of-turn data			●
Best-in-class pitch and roll accuracy			●
Optional field-serviceable relative humidity Calculated dew point & heat index	●	●	●
Output options include:			
NMEA 0183 (RS422 / RS232)	●	●	●
NMEA 2000 (CAN Bus)	●	●	●

TOUGHPRINT®
100% Waterproof paper

INKJET or LASER

Stay safe - Toughprint can be wiped clean with Anti-Bacterial sprays

Inkjet

211-TP-INK25A4	Inkjet - 25 A4 Sheets	£19.95
211-1009	Inkjet - 250 A4 Sheets	£149.95
211-1012	Inkjet - 250 A3 Sheets	£279.95

Laser

211-TP-LAS25A4	Laser - 25 A4 Sheets	£19.95
211-1011	Laser - 250 A4 Sheets	£149.95
211-1013	Laser - 250 A3 Sheets	£279.95

Toughprint is a 100% Waterproof paper suitable for colour and black & white inkjet and laser printers and copiers. It looks and feels like paper but has the added bonus of being so tough it won't tear even when wet. Toughprint can be used for all sorts of printing needs and there's no need to laminate as the paper can be wiped clean.

WATERPROOF
Toughprint really is a 100% Waterproof paper. Even when it's fully immersed in water, or covered in mud and even dunked in chemicals, Toughprint will wipe clean and dry with no smudges or colour running.

TOUGH
Even after it's been crumpled and straightened out a hundred times, Toughprint's durability ensures all of the printing on the paper are still clear and legible.

DURABLE
Toughprint 100% Waterproof paper suitable for Colour and Black & White inkjet and laser printing/copying. It can be treated very much like regular paper but with the bonus of being wiped clean.

HIGH DEFINITION
The micro porous surface delivers vibrant colours and crisp clear high definition photographic printing, on both sides of the paper.

WATERPROOF

TOUGH AND DURABLE

HIGH DEFINITION PRINT

memory-map
GPS NAVIGATION SOFTWARE

Memory-Map Marine Charts

211-MAR-UKI-21	UK & Ireland 2021 - Download	£25.00

Intuitive and easy to use software with digital marine charts for your PC, iPhone, iPad or Android device. Complete folio of over 850 charts covering all of the UK, Ireland and the Channel Islands. Derived from data obtained from the UK Hydrographic Office, these high quality raster charts look identical to the paper charts used onboard.

FREE TRIAL – HOW TO BUY

For a free trial, or to order, search 'Memory-Map' on the Apple App store, Google Play or visit www.memory-map.com

AQUA Roll Bags & Dry Bags

Designed for a life on the water the Oxford Aqua waterproof bags are made from tough, tear resistant 500D PVC, designed to withstand all you can throw at them. Available as 30L and 50L roll bags, or smaller 20L dry bags. The RB roll bags have a large opening roll top for easy access, along with grab handles and a padded shoulder strap. The DB dry bags feature a rollover top secured with a buckle and a removable shoulder strap. All the bags have a handy carabiner and lanyard to secure valuables or the bag in place.

RB-50/-30 Roll Bags

590-OL895	RB-50 - White/Blue	50 Litre	£64.95
590-OL894	RB-30 - White/Blue	30 Litre	£54.95

- Waterproof construction with electro welded seams & roll top closure
- Easy grab carry handles
- Suitable for watersports and marine use
- Padded shoulder strap and compression straps for comfort & stability
- Handy carabiner with lanyard to secure your valuables or bag in place
- Two sizes available in black/blue or white/blue

DB-20 Dry Bags

590-OL890	DB-20 - Black	20 Litre	£29.95
590-OL891	DB-20 - Blue	20 Litre	£29.95

- Waterproof construction with electro welded seams
- Rollover, watertight top secured with a buckle that can be used as a handle
- Suitable for watersports and marine use - not submersible.
- Removable shoulder strap for easy carrying
- Handy carabiner with lanyard to secure your valuables or bag in place
- Available in black/blue or white/blue

MARINE SECURITY

Padlocks

|		
590-LK360	CS-06 Stainless Steel Padlock 35mm	£49.95
590-LK361	CS-09 Stainless Steel Padlock 50mm	£59.95
590-LK362	CS-12 Stainless Steel Padlock 60mm	£79.95

5 YEARS WARRANTY

The Oxford Padlock Range is manufactured from the highest quality materials - made from 304 grade stainless steel, making them ideal for use in marine environments. They have been tested to over 1000 hours in an environmental chamber with high humidity and salt spray and offer huge levels of reliability in the harshest conditions.

Quality and performance can be assured with a 5 year warranty along with a host of other features including a double locking mechanism and anti-drill cylinder shield. The Oxford range offers the ultimate marine grade padlock for protecting your valuables.

- Highly corrosion resistant
- S304 Stainless steel lock body and cylinder components ensures long operating life
- Anti-drill cylinder shield
- Double locking mechanism increases pull strength
- 3 keys and replacement key service
- Ideal for lockers and hatches
- 5 year warranty

- **CS-06** : The smallest padlock in the Oxford Marine proof range and with its 6mm shackle it is ideally suited to securing boat hatches and even lockers.
- **CS-09** : The mid size padlock in the range and with its 9mm shackle it has been designed to work with a chain for securing gates, jet skis, kayaks and anything you can get a chain round!
- **CS-12** : The largest padlock in the range and with its 12mm shackle it has been designed for heavy use in conjunction with a chain.
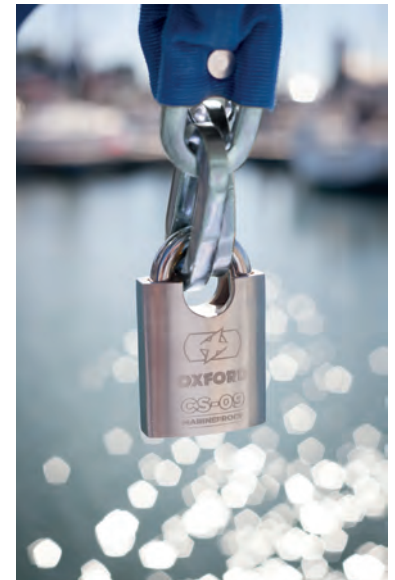
OXFORD

Security Chain

590-LK114	10mm Square x 2.0m	£49.95

- Ideal to secure a variety of watercraft
- Hardened steel chain prevents opportunistic theft
- Can be used with padlock shackles up to 16mm
- Use with Oxford Marine Proof Stainless Steel Locks
- Resistant to sledge hammer, saw & corrosion
- Protective chain cover

*Other lengths and sizes available -
please contact us for details*

Lockmate Cable 12

590-LK194	12mm x 2.0m	£19.95

Ideal for use in conjunction with a high security marine proof lock, this 12mm thick, vinyl coated extension cable allows you to extend the reach of your marine lock.

- 2 metre steel lock extension cable
- 8mm braided inner cable
- Vinyl protective casing prevents paintwork damage

*Other lengths and sizes available -
please contact us for details*

BATTERY CARE

Oximiser 3X

590-EL200	UK Model	£99.99

- Completely designed and tested in the UK using top quality long life components
- A soft-start charging mode to improve recovery of deeply discharged batteries as low as 8 volts
- Intelligent charging will cycle-charge in an attempt to recover sulphated batteries
- Suitable for all 12V automotive batteries including LITHIUM LiFePO4 motorcycle batteries
- New voltage sensors quickly detect high current drain and will automatically revert to the most appropriate charge rate
- Fast and efficient charging in all modes keeps charge times short and reduces main power consumption
- Soft touch rubberised case for improved grip and ruggedness
- Up to 3.6Amps charging power for batteries up to 125Ah capacity
- Induction cooling
- Three charging mode power options

Oximiser 900

590-EL570	UK Model	£59.99

Designed to prolong the life of your battery, the Oxford Oximiser 900 also provides you with real time information about the condition of your battery.

- Can be left permanently connected to provide guaranteed long term battery care.
- Suitable for all 12V battery types up to 30Ah, including Gel, MF and Acid batteries.
- Heavily discharged batteries as low as 4.1V can be charged if the battery is not damaged.
- 6 Stage battery management system: Polarity check, Battery Analysis, Bulk Fast Charge, Absorption Charge, Voltage Check, Maintain Mode
- Sophisticated battery management system provides real time information about the battery condition
- A professional switch mode charger designed to automatically maintain, optimize and prolong the life of any 12 volt battery

Oximiser 601

590-EL600	UK Model	£39.99

- A modern charger designed to charge, optimise and prolong the life of a 12V automotive battery
- Suitable for 12V automotive battery types up to 30Ah including: Gel, AGM and maintenence free
- Recovers deeply discharged batteries
- Protected against short circuits
- For batteries up to 30Ah capacity
- 2 year guarantee

Solariser Solar Battery Charger for 12V Batteries

590-OF949		£44.99

- Suitable for maintaining 12V automotive batteries all year round.
- Perfect for where there is no mains power source.
- LED light shows battery will charge with available light.
- Operates in extreme temperatures −20˚C to 100˚C.
- Trickle-charge current between 10mA - 100mA.
- Weatherproof connectors.

Visit www.smgeurope.com to view the full oxford range

A/tex®

Designed for your
Mobile Life

Wi-Fi Enabled Connected TV Series

Wi Fi

045-279DSFVP	27" Screen	£429.99
045-249DSFVP	24" Screen	£419.99
045-219DSFVP	21.5" Screen	£379.99
045-199DSFVP	19" Screen	£349.99

With the new Avtex Wi-Fi enabled Connected TV series you can watch HD TV via your aerial or a satellite dish without the need for extra equipment and you can also connect your TV to the internet to access a whole new world of extra entertainment! Live TV, catch up services and with Freeview Play's unique TV guide built-in you can even scroll forwards and backwards 7 days through your TV guide and select and watch programmes that have already aired. Access new streaming channels, documentary's, movies and sport all for free!

- 19.5", 21.5", 24" and 27" Full HD connected TVs with built-in HD satellite decoder
- DVB-T & DVB-T2 digital tuner
- DVB-S & DVB-S2 digital HD satellite tuner
- Wi-Fi built-in for connected services and extra channels
- Freeview HD

- Freeview Play
- 7 day forwards and 7 day backwards programme guide
- AQT one button tuning system (Ideal for touring)
- On-screen battery meter
- Ultra compact edge-to-edge design
- CI socket for access for pay TV's
- 240v AC / 12v/24v DC

L168DRS 16" TV • HD Satellite • PVR • DVD & CD

045-L168DRS	16"	£299.99

Standard Features Include:

- 16" Full HD Panel 1920 x 1080
- DVB-T & DVB-T2 digital tuner
- DVB-S & DVB-S2 digital satellite tuner
- HD built-in for both terrestrial and satellite channels
- DVD/CD player
- AQT one button tuning system
- On-screen battery meter
- Low battery indicator

- Pause/playback live TV/Instant record to USB on both Satellite and TV
- Timer record from programme guide (EPG)
- CI socket for access for pay TV's
- 240v AC / 12v/24v DC

TRS Series HD Digital TV • HD Satellite • PVR

045-L320TRS	32" TV/DVD	£399.99
045-L270TRS	27" TV/DVD	£379.99

Standard Features Include:

- 32" or 27" Full HD Panel 1920 x 1080
- DVB-T & DVB-T2 digital tuner
- DVB-S & DVB-S2 digital satellite tuner
- HD built-in for both terrestrial and satellite channels
- AQT one button tuning system
- On-screen battery meter

- Low battery indicator
- Pause/playback live TV/Instant record to USB on both satellite and terrestrial
- Timer record from programme guide (EPG)
- CI socket for access for pay TV's
- 240v AC / 12v/24v DC

AVTEX

AVTEX

Models	Connected Series				DRS Series	TRS Series	
	199DSFVP	219DSFVP	249DSFVP	279DSFVP	L168DRS	L320TRS	L270TRS
Screen size	19.5"	21.5"	24"	27"	16"	32"	27"
WiFi connected	●	●	●	●			
Freeview Play	●	●	●	●			
Ethernet connected	●	●	●	●			
DVD / CD					●		
Watch & Record							
Pause					●	●	●
Playback					●	●	●
Instant record to USB					●	●	●
Timer record from programme guide (EPG)					●	●	●
HDMI	●	●	●	●	x2	x2	x2
HDMI ARC	●	●	●	●		●	●
Coaxial Audio Output					●	●	●
Optical Audio Output	●	●	●	●			
Mini AV input	●	●	●	●		●	●
RCA input					●		
Weight (without stand)	2.5Kg	2.9Kg	3.2Kg	4.5Kg	2kg	5.8Kg	4.5Kg
Dimensions (w / h / d) mm (without stand)	448 x 257 x 46	491 x 288 x 46	539 x 317 x 47	620 x 364 x 47	378 x 237 x 47	721 x 422 x 42	620 x 364 x 47

Common Features
- Widescreen Format
- LED display
- Display resolution : 1920 x 1080
- DVB-S2 HD satellite decoder
- DVB-T2 HD through aerial
- DVB-T2 H.265
- Full HD
- AQT
- CI Slot
- USB x2
- Headphone socket
- Wall mounted VESA
- On / Off switch
- 240v operation
- 12v operation
- 24v operation
- Black Finish
- Includes as standard : Remote control / power / cables / instructions

TV Sound-Bar & Bluetooth Speaker System

Bluetooth®

045-SB195BT	£149.99

- Bluetooth wireless music streaming
- Ultra-compact design
- Four speaker driver system
- Superior tonal range for crisp, clear sound
- Simple set-up
- USB Playback
- HDMI Arc
- Coaxial audio in
- Aux in
- EQ settings
- 240v AC / 12v/24v DC

STH3000
12/24 Volt High Gain Digital Aerial

045-STH3000	£39.99

Designed specifically for use with digital televisions. Can be powered from all Avtex TV or by supplied 12/24v power inserter.

- High gain 20dB TV aerial
- Directional
- LTE (4G) integrated filtering
- Built-in low noise amplifier
- 2 way power source (TV antenna power out or 12v/24v)
- Flexible suction mount (similar to GPS windscreen mount) – no need to drill holes
- Pole or wall mounting bracket also supplied
- UV resistant housing
- Water resistant

Mounting Accessories

Quick Release/Flat Wall Bracket
Max Support 25kg

045-SV5	£18.99

Flat Wall / Under Cabinet TV Mount
Max Support 8kg

045-SV6	£29.99

Swivel & Tilt TV Mount
Max Support 15kg

045-SV7	£29.99

Quick Release Swivel Extension 96 – 251mm
Max Support 15kg

045-SV8	£24.99

AK12TM Swivel/Tilt Extendable
Max support 15kg

045-AK12TM	£29.99

AK86TM Swivel/Tilt Extendable

045-AK86TM	£34.99

MARINE SAFETY EQUIPMENT

LF1 Crewman

445-LF1	Orange	£399.95

- Assists 8 people
- Dimensions :
  - External : 70.0 h x 58.0 w x 22.0 d cm
  - Internal : 29.5 h x 23.5 w x 16.0 d cm
  - Glove box : 14.0 h x 23.5 w x 16.0 d cm

LF2 Trawlerman

445-LF2	Orange	£349.94

- Assists 6 people
- Dimensions :
  - External : 70.0 h x 58.0 w x 22.0 d cm
  - Internal : 29.5 h x 23.5 w x 16.0 d cm

LF3 Yachtsman

445-LF3	Orange	£299.95
445-LF3W	White	£299.95

- Assists 4 people
- Dimensions :
  - External : 59.0 h x 42.0 w x 17.0 d cm
  - Internal : 28.5 h x 26.0 w x 10.5 d cm

LF5 Trailerboat

445-LF5	Orange	£279.95
445-LF5W	White	£279.95

- Assists 2-4 people
- Dimensions :
  - External : 40.0 h x 42.0 w x 17.0 d cm
  - Internal : 20.0 h x 27.0 w x 10.0 d cm

Contents
not included

A FLOTATION DEVICE THAT STORES ALL YOUR ESSENTIAL SAFETY GEAR

- EPIRB
- FLARES
- FLARE GUN
- SAFETY FLAG
- WHISTLE
- AIR HORN
- FLASH LIGHT
- SIGNALLING DEVICE

Contents not included

Lanyards included

Bracket included

Features Include

- Buoyant flotation device
- High visibility
- Fire, fuel and impact resistant
- UV resistant
- Two year warranty
- No expensive servicing required
- Easy grip handles
- Easily detaches from bracket
- Floats off bracket if submerged

Benefits

- Ensures compliance with maritime inspections
- Keeps people together in the water
- Simple to use, even for the novice boater
- Easy to access in time of emergency
- Keeps safety equipment together

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