# 2024 PRODUCT GUIDE

JANUARY 2024 | UK

**Raymarine**

# Raymarine

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The information contained in this price list, to the best of our knowledge, was correct as it went to press. However, the Raymarine policy of continuous improvement and updating may change product information and pricing without prior notice. Therefore, differences in products and prices may occur from time to time, for which liability cannot be accepted by Raymarine. Prices shown in this document are net of sales taxes.
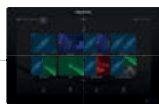
www.raymarine.com
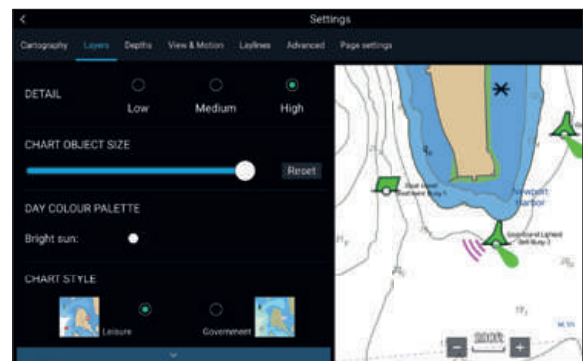
# LIGHTHOUSE CHARTS



LightHouse Charts bring a new level of clarity to marine navigation. Created from official hydrographic chart sources, LightHouse Charts offer maximum readability, intuitive navigation, and superior quality. Four distinct colour palettes provide the best possible viewing conditions around the clock and chart symbol controls give you the power to customise the charts to your personal preference. Subscribe to LightHouse Charts Premium to access continuous chart updates, an expanded points of interest (POI) library, and enhanced satellite imagery for a powerful, sophisticated take on marine navigation.





**PROFESSIONAL OR LEISURE CHART STYLE**
Toggle between the information-rich professional S-52 government chart style (left) and the LightHouse leisure chart style (right) for your preferred view of key cartographic data.

**ENHANCED CHART SYMBOL CONTROL**
Change the size of channel markers, points of interest, and other icons for complete control over chart details.

# Raymarine

# LIGHTHOUSE CHARTS



## NAVIGATE WITH A REAL-WORLD VIEW

Access Mapbox-powered high-resolution satellite imagery for a complete view of streets, shorelines, and shallows for informed decision making.



## EXPANSIVE POINTS OF INTEREST LIBRARY

Quickly find local marinas, fuel stops, service stations, and more with an ever-expanding points of interest library from the best marine databases.



## FLEXIBLE COLOUR MODES

Day, Dusk, Dark, and Bright Sun colour palettes help your vision keep up with changing light conditions for clear, strain-free chart viewing.



## STAY UP TO DATE AND EXPLORE MORE

The Raymarine mobile app and a LightHouse Premium subscription allow you to update your charts and download premium content using your mobile phone.

# LIGHTHOUSE 4

The easy-to-use operating system inside every Raymarine chartplotter display, LightHouse™ puts you in command with a fluid touch-screen or HybridTouch™ user experience. LightHouse lets you navigate with the best charts and makes navigating as simple as using a smartphone.

## You Are In Command

LightHouse 4 is fast, fluid, and easy to learn. The uncluttered interface is easily personalised for your style of navigating. Get underway with smartphone-like touchscreen experience or take command with HybridTouch keypad and touchscreen control combined.

## Simplified Networking

Axiom+, Axiom 2 Pro and Axiom 2 XL all run the LightHouse 4 operating system, allowing you to create navigation systems with any Axiom display combination. Connect up to 10 Axiom displays.

## Expandable

Expand any LightHouse 4 OS based display with powerful sensors, including Quantum radar, CHIRP sonar modules, and FLIR thermal night vision cameras. SeaTalk[NG] and NMEA 2000 connectivity enable engines displays, instruments, and Evolution autopilot integration. Standard Wi-Fi and Bluetooth allows connection to Raymarine apps, accessories and more.

# LIGHTHOUSE 4

The LightHouse 4 operating system powers Axiom+, Axiom 2 Pro and Axiom 2 XL chartplotters displays. Previous generation Raymarine eS Series and gS Series can upgrade to LightHouse 3.11 for free. Some advanced LightHouse 4 features like ClearCruise AR, Performance Sailing Tools, and LightHouse Apps are exclusive to Axiom chartplotter displays. Visit raymarine.com/lighthouse to learn more and stay abreast of the latest LightHouse 4 feature updates.
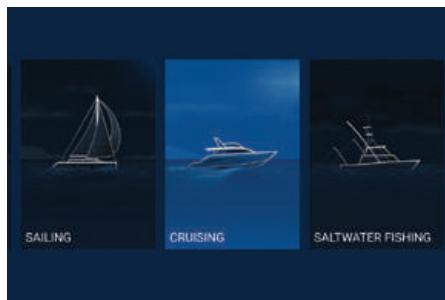


**Advanced Engine Integration**

The LightHouse operating system is your gateway to engine integration. Create custom dashboards using NMEA2000 or enjoy advanced integration with Mercury VesselView and Yamaha Command Links outboard engines.

**Personalisation**

The LightHouse 4 home screen offers bold and simple app icons. Customise the home screen with your favourite apps. LightHouse 4 User Profiles saves yours and other crew member's personal home screens and configuration preferences.

**Modern Vessel Automation**

The LightHouse OS puts you in total command of the vessel's electrical systems with support for CZone, Empirbus, and Raymarine YachtSense digital control systems. Experience simple touch screen control of lighting, pumps, HVAC systems and more from anywhere onboard.
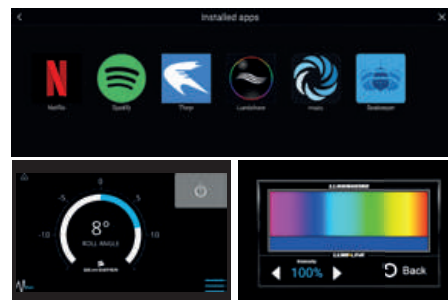


**Performance Sailing Tools**

Stay ahead of the competition with Lighthouse 4's performance sailing tools including Dynamic Layline overlays, which can be optimized with your vessel's polar performance targets. The LightHouse Dashboard app offers Race Data and Sailing specific graphical displays in a big, bold, and simple to understand format. A slide-out Race Start Sidebar gives you quick access to critical race stats.

**LightHouse Apps**

LightHouse Apps is Axiom's expanding library of marine and entertainment apps. Enjoy entertainment apps like Netflix and Spotify or network with onboard systems like Lumishore, Victron, and Seakeeper. LightHouse Apps also keep you connected and informed with support for Mazu satellite, Predict Wind, and Theyr weather.

## LightHouse OS Updates

Visit raymarine.com to learn about the latest LightHouse 4 new features and upgrades.

# CHARTPLOTTER DISPLAYS
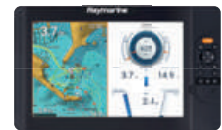


| OPTIONS | ELEMENT |
|---|---|
| **Display Sizes (inches)** | 7 / 9 / 12 |
| **Brightness** | 1500 nits |
| **HydroTough nano coated display** | |
| **Touchscreen** | |
| **HybridTouch: Keypad and Touchscreen** | |
| **Data Card Port** | MicroSD |
| **Waterproofing Standard** | IPX6/7 |
| **Built-In GPS Receiver** | ● |
| | |
| **RealVision 3D** | Element HV Only |
| **CHIRP DownVision** | Element HV Only |
| **CHIRP SideVision** | Element HV Only |
| **High Frequency CHIRP** | Element HV and Element S |
| **600 Watt Sonar** | |
| **RealVision MAX and 1 kW CHIRP Sonar** | |
| **HyperVision** | Element HV Only |
| | |
| **OS** | LightHouse Sport |
| **RayNet Ethernet** | |
| **USB** | |
| **Wi-Fi and Bluetooth** | Wi-Fi |
| **NMEA0183** | |
| **NMEA2000** | ● |
| **SeaTalkNG** | Via Adaptor |
| **Mounting** | Bracket / Surface |
| | |
| **Quantum and Cyclone Radar** | Quantum Wi-Fi Only |
| **Digital Switching** | |
| **FLIR thermal Camera Integration** | |
| **Evolution Autopilot Control** | |
| **IP Video Camera and ClearCruise Augmented Reality Option** | |
| **Support for external CHIRP Sonar Modules** | |
| **Marine Audio Integration** | |
| | |
| **Navionics Autorouting** | ● |
| **Navionics Sonar Chart Live** | ● |
| **Raymarine Realbathy**™ | ● |

# Raymarine

# CHARTPLOTTER DISPLAYS

The following table provides a quick comparison guide for the Raymarine range of chartplotters displays. For more information, contact the local Raymarine dealer or visit our website raymarine.com



| AXIOM+ | AXIOM 2 PRO | AXIOM 2 XL |
|---|---|---|
| 7 / 9 / 12 | 9 / 12 / 16 | 16 / 19 / 22 /24 |
| 1500 and 1800 nit* | 1200 and 1300 nits* | 1200, 1275 and 1300 nits* |
| ● | ● | ● |
| ● | ● | ● |
|  | ● |  |
| MicroSD | MicroSD (x2) | SD Card Reader Required |
| IPX6/7 | IPX6/7 | IPX6/7 |
| ● | ● | ● |
|  |  |  |
| RV | RVM | Optional RealVision MAX and CHIRP Sonar Modules |
| RV | RVM |  |
| RV | RVM |  |
| RV | RVM |  |
| RV | RVM |  |
|  | RVM |  |
|  |  |  |
|  |  |  |
| LightHouse 4 | LightHouse 4 | LightHouse 4 |
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |
| Support for NMEA 0183 through an optional NMEA2000/SeaTalkNG Gateway | | |
| ● | ● | ● |
| ● | ● | ● |
| Top, Flush, Front, Bracket | Top, Front, Bracket | Flush / Surface |
|  |  |  |
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |
|  |  |  |
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |

* Brightness is model dependent

# ELEMENT® S



**SAILING**

**CRUISING**

The Element S series of navigation displays gives you the freedom to enjoy the open waters—Select your destination and let Element's fast and accurate 10Hz GPS/GNSS lead the way. Engineered for simplicity and affordable performance, Element S will quickly become your trusted cruising companion. A quad-core processor offers responsive performance and Element's all-weather, sunlight viewable displays deliver chart and navigation data in beautiful colour. Element's simple and straightforward LightHouse Sport operating system lets you navigate with confidence. Once underway, Element S will keep you on course with a smart list of user-friendly features, such as AIS target overlays, autopilot integration, and sailing instruments displays. Element S is also compatible with Quantum Wireless Radar.







### Quantum CHIRP Radar

Element S helps to navigate congested waterways with increased awareness and confidence using an optional Raymarine Quantum wireless CHIRP radar* or an AIS receiver. Quantum brings award-winning solid-state radar capability and Element S's AIS overlays intelligently identify approaching targets.

*Element is only compatible with Quantum Wi-Fi only radar models.

### Simple and Straight Forward

Element's LightHouse Sport OS is designed for boaters that like to keep things simple. The LightHouse Sport OS and Element's ergonomic keypad are easy to customize, and an oversized waypoint key allows for quick marking of your favourite locations, plus three user-programmable quick keys provide access to your favourite pages with one button push.

### Superior Performance

Enjoy legendary Raymarine performance at an affordable price with 7, 9, and 12 inch super-bright displays for all weather conditions. Element features a fast quad-core processor, for quick chart redraw and responsive performance coupled with a precision 10hz GPS/GNSS sensor. Element is backed by Raymarine's three-year warranty (product registration required).

# Raymarine

# ELEMENT® S

| PART NO. | DESCRIPTION | | |
|---|---|---|---|
| **Element - S** | | | |
| **ELEMENT 7 S** | | | |
| E70531 | Element 7 S - 7" Chart Plotter with Wi-Fi & GPS, No Chart & No Transducer | | |
| E70531-00-NEU | Element 7 S - 7" Chart Plotter with Wi-Fi & GPS, Northern European LightHouse Chart & No Transducer | | |
| E70531-00-WEU | Element 7 S - 7" Chart Plotter with Wi-Fi & GPS, Western European LightHouse Chart & No Transducer | | |
| E70531-00-MED | Element 7 S - 7" Chart Plotter with Wi-Fi & GPS, Mediterranean LightHouse Chart & No Transducer | | |
| **ELEMENT 9 S** | | | |
| E70533 | Element 9 S - 9" Chart Plotter with Wi-Fi & GPS, No Chart & No Transducer | | |
| E70533-00-NEU | Element 9 S - 9" Chart Plotter with Wi-Fi & GPS, Northern European LightHouse Chart & No Transducer | | |
| E70533-00-WEU | Element 9 S - 9" Chart Plotter with Wi-Fi & GPS, Western European LightHouse Chart & No Transducer | | |
| E70533-00-MED | Element 9 S - 9" Chart Plotter with Wi-Fi & GPS, Mediterranean LightHouse Chart & No Transducer | | |
| **ELEMENT 12 S** | | | |
| E70535 | Element 12 S - 12" Chart Plotter with Wi-Fi & GPS, No Chart & No Transducer | | |
| E70535-00-NEU | Element 12 S -12" Chart Plotter with Wi-Fi & GPS, Northern European LightHouse Chart & No Transducer | | |
| E70535-00-WEU | Element 12 S -12" Chart Plotter with Wi-Fi & GPS, Western European LightHouse Chart & No Transducer | | |
| E70535-00-MED | Element 12 S -12" Chart Plotter with Wi-Fi & GPS, Mediterranean LightHouse Chart & No Transducer | | |
| **ELEMENT S –  TRANSDUCERS** | | | |
| E70342 | CPT-S Plastic Conical HIGH CHIRP Transom Mount Transducer, 10m | | |
| A80691 | CPT-S Plastic Conical HIGH CHIRP In-Hull Transducer, 0/12/20° fitting options with 6m cable | | |
| E70339 | CPT-S Plastic Conical HIGH CHIRP Through Hull 0° Angled Element Transducer, 10m | | |
| A80448 | CPT-S Plastic Conical HIGH CHIRP Through Hull 12° Angled Element Transducer, 10m | | |
| A80447 | CPT-S Plastic Conical HIGH CHIRP Through Hull 20° Angled Element Transducer, 10m | | |
| A80446 | CPT-S Bronze Conical HIGH CHIRP Through Hull 0° Angled Element Transducer, 10m | | |
| E70340 | CPT-S Bronze Conical HIGH CHIRP Through Hull 12° Angled Element Transducer, 10m | | |
| E70341 | CPT-S Bronze Conical HIGH CHIRP Through Hull 20° Angled Element Transducer, 10m | | |
| A80363 | CPT-S Trolling Motor Mounting Kit | | |
| **ACCESSORIES** | | | |
| A80553 | Element 7" Surface Mount Kit | | |
| A80554 | Element 9" Surface Mount Kit | | |
| A80555 | Element 12" Surface Mount Kit | | |
| R70647 | Element 7" Trunnion Kit | | |
| R70648 | Element 9" Trunnion Kit | | |
| R70649 | Element 12" Trunnion Kit | | |
| R70727 | Element 7" Sun Cover | | |
| R70728 | Element 9" Sun Cover | | |
| R70729 | Element 12" Sun Cover | | |
| R70523 | Element / AXIOM / AXIOM+ Power Cable 1.5m Straight with NMEA 2000 Connector | | |
| R70496 | CPT-S Transom Bracket with Hardware | | |
| A80273 | Transducer Extension for CPT-S, CPT100, CPT110 & CPT120 (4m cable) | | |
| **CARTOGRAPHY** | | | |
| R70794-IGB | LightHouse Chart (preloaded with UK & Ireland charts) on 32Gb micro SD card | | |
| R70794-NEU | LightHouse Chart (preloaded with Northern Europe charts) on 32 Gb micro SD card | | |
| R70794-WEU | LightHouse Chart (preloaded with Western Europe charts) on 32 Gb micro SD card | | |
| R70794-MED | LightHouse Chart (preloaded with Mediterranean region charts) on 32 Gb micro SD card | | |
| A80728 | Navionics+ Blank µSD card for Regional Chart Download | | |

*Raymarine*

# ELEMENT® HV

FRESHWATER FISHING AND COASTAL FISHING

Built for anglers that want to be one step ahead of the game, Element delivers the sharpest view of the underwater world with HyperVision™ 1.2 megahertz super high-resolution sonar. HyperVision takes DownVision, SideVision, and Raymarine RealVision 3D sonar to the next level of precision imaging and fish identification, letting you see structures, vegetation, and fish with lifelike clarity.

### Simple, Fast Operation

Element's LightHouse Sport operating system with intuitive keypad control lets you quickly mark fishing spots and access your favourite pages with the press of a button. Quad-core performance delivers instant chart redraw, smooth 3D imaging, and fast response while on the water.

### All-in-One Transducer

The compact HV-100.02 transducer is simple to install and supports RealVision 3D, DownVision, SideVision, high-frequency CHIRP and 1.2 MHz HyperVision. A high precision water temperature sensor is standard, and the HV-100.02 is convertible for transom or trolling motor mounting. Through-hull versions are also available.
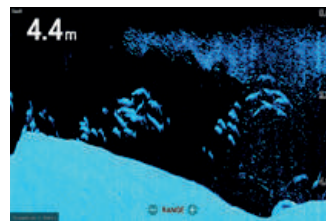
### See More with Precision Sonar

Element's 1.2 megahertz HyperVision™ takes sonar to a new level of precision. DownVision, SideVision, or stunning RealVision 3D, Element's HyperVision™ mode lets you view structure and target fish with lifelike clarity, helping you to see and catch what other anglers can't.

### All the Best Maps

Element's powerful chartplotter supports Raymarine LightHouse Charts, Navionics, C-MAP, Standard Mapping, CMOR Mapping, and many other publishers. Make custom bathymetric maps on the fly using Raymarine's new RealBathy™ or Navionics SonarChart Live.
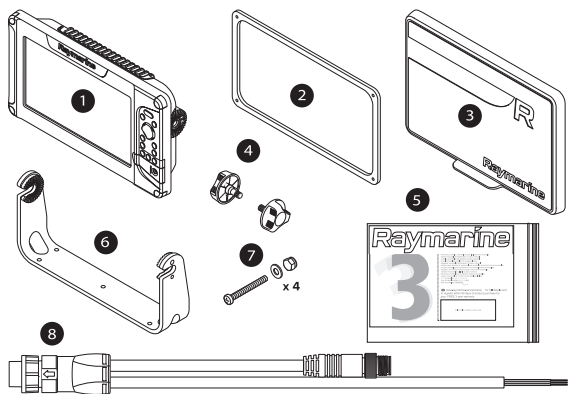
# ELEMENT® HV

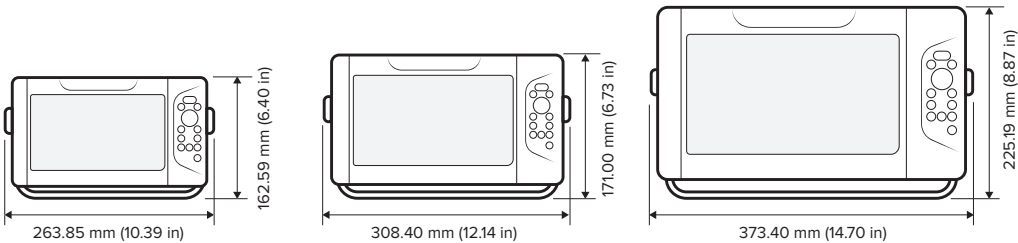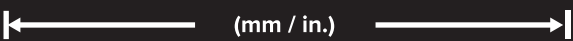| PART NO. | DESCRIPTION | |
|---|---|---|
| **Element - HV** | | |
| **ELEMENT 7 HYPERVISION** | | |
| E70532 | Element 7 HV- 7" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi & GPS, No Chart & No Transducer | |
| E70644-05 | Element 7 HV - 7" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer, No Chart | |
| E70644-05-NEU | Element 7 HV - 7" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer with Northern European LightHouse Chart | |
| E70644-05-WEU | Element 7 HV - 7" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer with Western European LightHouse Chart | |
| E70644-05-MED | Element 7 HV - 7" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer with Mediterranean LightHouse Chart | |
| **ELEMENT 9 HYPERVISION** | | |
| E70534 | Element 9 HV - 9" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi & GPS, No Chart & No Transducer | |
| E70645-05 | Element 9 HV - 9" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer, No Chart | |
| E70645-05-NEU | Element 9 HV - 9" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer with Northern European LightHouse Chart | |
| E70645-05-WEU | Element 9 HV - 9" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer with Western European LightHouse Chart | |
| E70645-05-MED | Element 9 HV - 9" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer with Mediterranean LightHouse Chart | |
| **ELEMENT 12 HYPERVISION** | | |
| E70536 | Element 12 HV - 12" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi & GPS, No Chart & No Transducer | |
| E70646-05 | Element 12 HV - 12" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer, No Chart | |
| E70646-05-NEU | Element 12 HV - 12" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer with Northern European LightHouse Chart | |
| E70646-05-WEU | Element 12 HV - 12" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer with Western European LightHouse Chart | |
| E70646-05-MED | Element 12 HV - 12" Chart Plotter with CHIRP Sonar, HyperVision, Wi-Fi, GPS, HV-100+ transducer with Mediterranean LightHouse Chart | |
| **ELEMENT – HYPERVISION TRANSDUCERS** | | |
| E70643 | HV-100+ HyperVision Plastic Transom Transducer with 6m cable | |
| A80604 | HV-300 HyperVision Plastic Through Hull Transducer, 6m cable with fairing block to be cut from 0-25° | |
| T70448 | Pair of HV-300 HyperVision Plastic Through Hull Transducers with fairing block to be cut from 0-25° including Y-Cable and 4m-extension cable | |
| R70725 | HV-300 HyperVision Plastic Through Hull PORT Transducer with fairing block to be cut from 0-25° | |
| R70726 | HV-300 HyperVision Plastic Through Hull STARBOARD Transducer with fairing block to be cut from 0-25° | |
| A80605 | HyperVision TH Split Ducer Y-Cable 0.5M HV-300 HyperVision Split Transducer Y-Cable (0.5m) | |
| R70651 | HV-100 Transom Transducer Bracket | |
| A80562 | HyperVision Transducer Extension Cable 4M | |
| A80606 | Adapter for MotorGuide Transducer | |
| A80557 | HV-100 Trolling Motor Mount | |
| A80558 | Adapter Cable for Dragonfly Green Connector (10-pin) to Element HV (15-pin) | |
| A80559 | Adapter Cable for CPT-S/DVS (9-pin) to Element HV (15-pin) | |
| A80560 | Adapter Cable for MinnKota Transducer to Element HV (15-pin) | |
| R70741 | HV-300 Fairing Block | |
| **ACCESSORIES** | | |
| A80553 | Element 7" Surface Mount Kit | |
| A80554 | Element 9" Surface Mount Kit | |
| A80555 | Element 12" Surface Mount Kit | |
| R70647 | Element 7" Trunnion Kit | |
| R70648 | Element 9" Trunnion Kit | |
| R70649 | Element 12" Trunnion Kit | |
| R70727 | Element 7" Sun Cover | |
| R70728 | Element 9" Sun Cover | |
| R70729 | Element 12" Sun Cover | |
| R70523 | Element / AXIOM / AXIOM+ Power Cable 1.5m Straight with NMEA 2000 Connector | |
| **CARTOGRAPHY** | | |
| R70794-IGB | LightHouse Chart (preloaded with UK & Ireland charts) on 32Gb micro SD card | |
| R70794-NEU | LightHouse Chart (preloaded with Northern Europe charts) on 32 Gb micro SD card | |
| R70794-WEU | LightHouse Chart (preloaded with Western Europe charts) on 32 Gb micro SD card | |
| R70794-MED | LightHouse Chart (preloaded with Mediterranean region charts) on 32 Gb micro SD card | |
| A80728 | Navionics+ Blank µSD card for Regional Chart Download | |

# Raymarine

# ELEMENT®

| PART NO. | DESCRIPTION | |
|----------|-------------|--|
| **ICE FISHING ACCESSORIES** | | |
| A80581 | Raymarine Element Ice Fishing Kit (Bag, Battery, Charger, Mount, Transducer & Float) | |
| A80583 | CPT-S Plastic Conical HIGH CHIRP Ice Transducer for Element HV with 2.5m cable | |
| R70724 | Element Ice Fishing Power Cable 300mm | |

## ELEMENT 7 / 9 / 12 : IN THE BOX



1. Element display
2. Surface mount gasket
3. Suncover
4. Trunnion knobs x2
5. Documentation pack
6. Trunnion bracket
7. Surface mount stainless steel fixings x4 (M4x40 machine screw, M4 flat washer, M4 locking nut)
8. Power / NMEA2000 cable (includes 1.5m (4.92ft) power lead and 0.5m (1.64ft) NMEA2000 lead).

## (mm / in.)



162.59 mm (6.40 in)
263.85 mm (10.39 in)

171.00 mm (6.73 in)
308.40 mm (12.14 in)

225.19 mm (8.87 in)
373.40 mm (14.70 in)

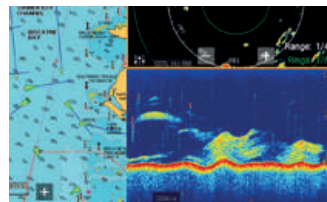# AXIOM®



SAILING          CRUISING          FISHING

Axiom is expandable, so its capabilities can grow, as needed. It supports the full range of Raymarine sensors accessories, including Quantum radar, CHIRP Sonar, FLIR thermal cameras, audio integration, instruments, cameras, and Evolution autopilot. Standard Wi-Fi and Bluetooth connectivity allows connection to the latest Raymarine apps for tablets and smartphones.

### Award Winning Performance

Axiom's intuitive LightHouse 3 operating system, quad-core performance, and innovative technologies like ClearCruise Augmented Reality, Quantum Doppler radar, and RealVision 3D have earned Axiom multiple prestigious industry innovation awards.

### Expandable

Connect Axiom with radar, FLIR thermal, instruments, Evolution autopilots, and much more. Wi-Fi and Bluetooth connect you to LightHouse Apps and entertainment. Axiom networks seamlessly with Axiom Pro and Axiom XL displays so you can build a custom navigation system that fits your needs.

### Sonar Built-In

See the underwater world in an entirely new way with Axiom's available CHIRP DownVision, SideVision, and RealVision® 3D sonar. Axiom also supports high-frequency CHIRP and 600-watt, dual-frequency digital sonar. Alternatively, Axiom displays are available in GPS chartplotter only versions.

### Rugged All Glass Display

Axiom is available in 7, 9 or 12-inch sizes to fit any vessel. Axiom's rugged all-glass display is optimised for flush or surfacing mounting and looks great on any helm. Raymarine's super-bright LED display technology with optical bonding delivers superior visibility day or night.

# Raymarine

# AXIOM®

| PART NO. | DESCRIPTION | |
|---|---|---|
| **AXIOM Chartplotter Only** | | |
| **AXIOM 7 CHARTPLOTTER** | | |
| E70363-00 | AXIOM 7, Multi-function 7" Display | |
| E70363-00-NEU | AXIOM 7, Multi-function 7" Display with Northern European LightHouse Chart | |
| E70363-00-WEU | AXIOM 7, Multi-function 7" Display with Western European LightHouse Chart | |
| E70363-00-MED | AXIOM 7, Multi-function 7" Display with Mediterranean LightHouse Chart | |
| **AXIOM 9 CHARTPLOTTER** | | |
| E70366-00 | AXIOM 9, Multi-function 9" Display | |
| E70366-00-NEU | AXIOM 9, Multi-function 9" Display and Northern European LightHouse Chart | |
| E70366-00-WEU | AXIOM 9, Multi-function 9" Display and Western European LightHouse Chart | |
| E70366-00-MED | AXIOM 9, Multi-function 9" Display and Mediterranean LightHouse Chart | |
| **AXIOM 12 CHARTPLOTTER** | | |
| E70368-00 | AXIOM 12, Multi-function 12" Display | |
| E70368-00-NEU | AXIOM 12, Multi-function 12" Display with Northern European LightHouse Chart | |
| E70368-00-WEU | AXIOM 12, Multi-function 12" Display with Western European LightHouse Chart | |
| E70368-00-MED | AXIOM 12, Multi-function 12" Display with Mediterranean LightHouse Chart | |

| PART NO. | DESCRIPTION | |
|---|---|---|
| **AXIOM DV Chartplotter with DownVision** | | |
| **AXIOM 7 DOWNVISION** | | |
| E70364-00 | AXIOM 7 DV, Multi-function 7" Display with integrated 600W Sonar and DownVision | |
| E70364-01 | AXIOM 7 DV, Multi-function 7" Display with integrated DownVision, 600W Sonar including CPT-S transducer | |
| E70364-02 | AXIOM 7 DV, Multi-function 7" Display with integrated DownVision, 600W Sonar including CPT-100DVS transducer | |
| E70364-02-NEU | AXIOM 7 DV, Multi-function 7" Display with integrated DownVision, 600W Sonar including CPT-100DVS transducer and Northern European LightHouse Chart | |
| E70364-02-WEU | AXIOM 7 DV, Multi-function 7" Display with integrated DownVision, 600W Sonar including CPT-100DVS transducer and Western European LightHouse Chart | |
| E70364-02-MED | AXIOM 7 DV, Multi-function 7" Display with integrated DownVision, 600W Sonar including CPT-100DVS transducer and Mediterranean LightHouse Chart | |

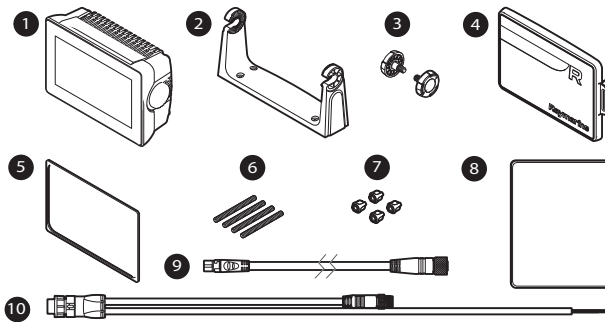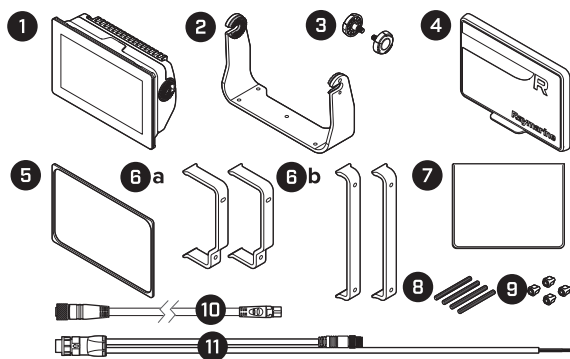| PART NO. | DESCRIPTION | |
|---|---|---|
| **AXIOM RV Chartplotter with RealVision 3D** | | |
| **AXIOM 9 REALVISION 3D** | | |
| E70367-00 | AXIOM 9 RV, Multi-function 9" Display with integrated RealVision 3D, 600W Sonar, no transducer | |
| E70367-03 | AXIOM 9 RV, Multi-function 9" Display with integrated RealVision 3D, 600W Sonar with RV-100 transducer | |
| E70367-03-NEU | AXIOM 9 RV, Multi-function 9" Display with integrated RealVision 3D, 600W Sonar with RV-100 transducer and Northern European LightHouse Chart | |
| E70367-03-WEU | AXIOM 9 RV, Multi-function 9" Display with integrated RealVision 3D, 600W Sonar with RV-100 transducer and Western European LightHouse Chart | |
| E70367-03-MED | AXIOM 9 RV, Multi-function 9" Display with integrated RealVision 3D, 600W Sonar with RV-100 transducer and Mediterranean LightHouse Chart | |
| **AXIOM 12 REALVISION 3D** | | |
| E70369-00 | AXIOM 12 RV, Multi-function 12" Display with integrated RealVision 3D, 600W Sonar, no transducer | |
| E70369-03 | AXIOM 12 RV, Multi-function 12" Display with integrated RealVision 3D, 600W Sonar with RV-100 transducer | |
| E70369-03-NEU | AXIOM 12 RV, Multi-function 12" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer and Northern European LightHouse Chart | |
| E70369-03-WEU | AXIOM 12 RV, Multi-function 12" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer and Western European LightHouse Chart | |
| E70369-03-MED | AXIOM 12 RV, Multi-function 12" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer and Mediterranean LightHouse Chart | |

# Raymarine

# AXIOM®

1. MFD (supplied with Trunnion adaptor fitted)
2. Trunnion bracket
3. Trunnion knobs x2
4. Suncover — Trunnion mount
5. Panel mount gasket for surface/flush mounting
6. M5x58 Threaded studs x4
7. M5 Thumb nuts x4
8. Documentation pack
9. DeviceNet to SeaTalkNG® adaptor cable 120 mm (4.7 in)
10. Power/NMEA 2000 cable (with 1.5 m (4.92 ft) power lead and 0.5 m (1.64 ft) NMEA 2000 lead).

**AXIOM 9 / 12: IN THE BOX**

1. MFD
2. Trunnion bracket
3. Trunnion knobs x 2
4. Suncover
5. Panel mount gasket for surface/flush mounting
6. Rear mounting brackets: (a) supplied with 9" MFD (b) supplied with 12" MFD
7. Documentation pack
8. M5x58 Threaded studs x 4
9. M5 Thumb nuts x 4
10. DeviceNet to SeaTalkng® adaptor cable 120 mm (4.7 in)
11. Power/NMEA 2000 cable (with 1.5 m (4.92 ft) power lead and 0.5 m (1.64 ft) NMEA 2000 lead)

## (mm / in.)

| | AXIOM 7 | | AXIOM 9 | | AXIOM 12 | |
|---|---|---|---|---|---|---|
| | mm | in | mm | in | mm | in |
| A | 250.4 | 9.86 | 265.03 | 10.43 | 314 | 12.36 |
| B | 133 | 5.24 | 157.78 | 6.21 | 217 | 8.54 |
| C | 162.5 | 6.4 | 187.8 | 7.39 | 226.8 | 8.93 |
| D | 76.4 | 3.0 | 76.71 | 3.02 | 76.20 | 3.0 |
| E | 218 | 8.59 | 170 | 6.69 | 180 | 7.08 |
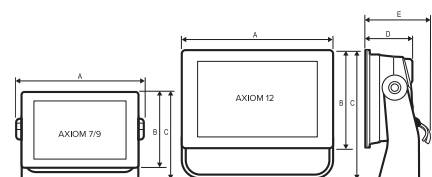
Raymarine

# AXIOM®+

SAILING     CRUISING     FISHING

The performance-tuned Axiom+ is a new generation of award-winning Raymarine chartplotter displays. Optimised for speed, Axiom+ is equipped with a powerful quad-core processor for industry-leading responsiveness and speed, giving you the power to seamlessly redraw charts, navigate with augmented reality, and experience RealVision 3D sonar.

**Fast and Fluid**

Fluid and fast chart redraw of new Raymarine LightHouse Charts, plus Navionics and C-MAP.
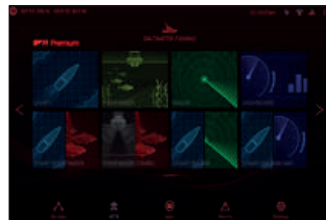
**LightHouse 4 OS**

Smart and intuitive LightHouse 4 OS makes navigating easy.

**Quad-Core Power**

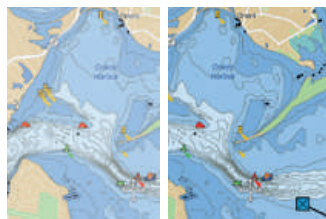Powerful quad-core processor, plus increased onboard storage for personal data and apps.

**Augmented Reality**

ClearCruise™ Augmented Reality-capable for smarter navigation decisions.

**HydroTough™ Display**

Nano-coated, impact-resistant glass screen repels water, oil, and smudges for better viewing and accurate touch controls.
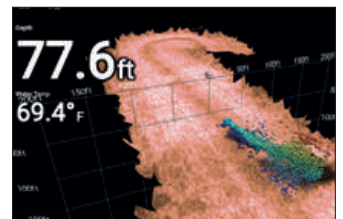
**Brighter**

Axiom+ 7, 9 and 12 inch all-weather displays are 25 percent brighter (up to 1,800 nits) than original Axiom models.

**Sharper**

IPS display technology delivers wider viewing angles and sharp contrast at twice the resolution of traditional displays.

**3D Sonar Built-in**

Available with built-in RealVision 3D sonar for the most comprehensive view of the underwater world.
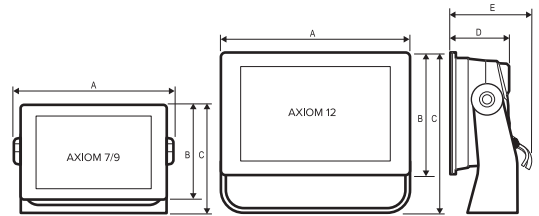
# AXIOM®+

| PART NO. | DESCRIPTION | |
|---|---|---|

## AXIOM+ Chartplotter Only

### AXIOM+ 7 CHARTPLOTTER

| PART NO. | DESCRIPTION | |
|---|---|---|
| E70634 | AXIOM+ 7, Multi-function 7" Display | |
| E70634-00-NEU | AXIOM+ 7, Multi-function 7" Display with Northern European LightHouse Chart | |
| E70634-00-WEU | AXIOM+ 7, Multi-function 7" Display with Western European LightHouse Chart | |
| E70634-00-MED | AXIOM+ 7, Multi-function 7" Display with Mediterranean LightHouse Chart | |

### AXIOM+ 9 CHARTPLOTTER

| E70636 | AXIOM+ 9, Multi-function 9" Display | |
|---|---|---|
| E70636-00-NEU | AXIOM+ 9, Multi-function 9" Display with Northern European LightHouse Chart | |
| E70636-00-WEU | AXIOM+ 9, Multi-function 9" Display with Western European LightHouse Chart | |
| E70636-00-MED | AXIOM+ 9, Multi-function 9" Display with Mediterranean LightHouse Chart | |

### AXIOM+ 12 CHARTPLOTTER

| E70638 | AXIOM+ 12, Multi-function 12" Display | |
|---|---|---|
| E70638-00-NEU | AXIOM+ 12, Multi-function 12" Display with Northern European LightHouse Chart | |
| E70638-00-WEU | AXIOM+ 12, Multi-function 12" Display with Western European LightHouse Chart | |
| E70638-00-MED | AXIOM+ 12, Multi-function 12" Display with Mediterranean LightHouse Chart | |

## AXIOM+ RV Chartplotter with RealVision 3D

### AXIOM+ 7 REALVISION 3D

| E70635 | AXIOM+ 7 RV, Multi-function 7" Display with integrated RealVision 3D, 600W Sonar, no transducer | |
|---|---|---|
| E70635-00-NEU | AXIOM+ 7 RV, Multi-function 7" Display with integrated RealVision 3D, 600W Sonar, no transducer with Northern European LightHouse Chart | |
| E70635-00-WEU | AXIOM+ 7 RV, Multi-function 7" Display with integrated RealVision 3D, 600W Sonar, no transducer with Western European LightHouse Chart | |
| E70635-00-MED | AXIOM+ 7 RV, Multi-function 7" Display with integrated RealVision 3D, 600W Sonar, no transducer with Mediterranean LightHouse Chart | |
| E70635-03 | AXIOM+ 7 RV, Multi-function 7" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer | |
| E70635-03-NEU | AXIOM+ 7 RV, Multi-function 7" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer with Northern European LightHouse Chart | |
| E70635-03-WEU | AXIOM+ 7 RV, Multi-function 7" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer with Western European LightHouse Chart | |
| E70635-03-MED | AXIOM+ 7 RV, Multi-function 7" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer with Mediterranean LightHouse Chart | |

### AXIOM+ 9 REALVISION 3D

| E70637 | AXIOM+ 9 RV, Multi-function 9" Display with integrated RealVision 3D, 600W Sonar, no transducer | |
|---|---|---|
| E70637-00-NEU | AXIOM+ 9 RV, Multi-function 9" Display with integrated RealVision 3D, 600W Sonar, no transducer with Northern European LightHouse Chart | |
| E70637-00-WEU | AXIOM+ 9 RV, Multi-function 9" Display with integrated RealVision 3D, 600W Sonar, no transducer with Western European LightHouse Chart | |
| E70637-00-MED | AXIOM+ 9 RV, Multi-function 9" Display with integrated RealVision 3D, 600W Sonar, no transducer with Mediterranean LightHouse Chart | |
| E70637-03 | AXIOM+ 9 RV, Multi-function 9" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer | |
| E70637-03-NEU | AXIOM+ 9 RV, Multi-function 9" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer with Northern European LightHouse Chart | |
| E70637-03-WEU | AXIOM+ 9 RV, Multi-function 9" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer with Western European LightHouse Chart | |
| E70637-03-MED | AXIOM+ 9 RV, Multi-function 9" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer with Mediterranean LightHouse Chart | |

### AXIOM+ 12 REALVISION 3D

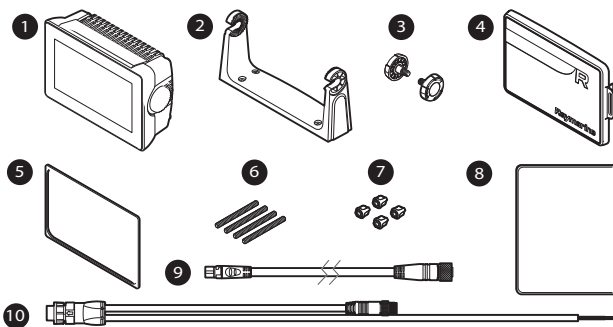| E70639 | AXIOM+ 12 RV, Multi-function 12" Display with integrated RealVision 3D, 600W Sonar, no transducer | |
|---|---|---|
| E70639-00-NEU | AXIOM+ 12 RV, Multi-function 12" Display with integrated RealVision 3D, 600W Sonar, no transducer with Northern European LightHouse Chart | |
| E70639-00-WEU | AXIOM+ 12 RV, Multi-function 12" Display with integrated RealVision 3D, 600W Sonar, no transducer with Western European LightHouse Chart | |
| E70639-00-MED | AXIOM+ 12 RV, Multi-function 12" Display with integrated RealVision 3D, 600W Sonar, no transducer with Mediterranean LightHouse Chart | |
| E70639-03 | AXIOM+ 12 RV, Multi-function 12" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer | |
| E70639-03-NEU | AXIOM+ 12 RV, Multi-function 12" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer with Northern European LightHouse Chart | |
| E70639-03-WEU | AXIOM+ 12 RV, Multi-function 12" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer with Western European LightHouse Chart | |
| E70639-03-MED | AXIOM+ 12 RV, Multi-function 12" Display with integrated RealVision 3D,600W Sonar with RV-100 transducer with Mediterranean LightHouse Chart | |

# AXIOM®+

| PART NO. | DESCRIPTION | |
|---|---|---|

## AXIOM & AXIOM + Accessories

### CARTOGRAPHY

| PART NO. | DESCRIPTION | |
|---|---|---|
| R70794-IGB | LightHouse Chart (preloaded with UK & Ireland charts) on 32Gb micro SD card | |
| R70794-NEU | LightHouse Chart (preloaded with Northern Europe charts) on 32 Gb micro SD card | |
| R70794-WEU | LightHouse Chart (preloaded with Western Europe charts) on 32 Gb micro SD card | |
| R70794-MED | LightHouse Chart (preloaded with Mediterranean region charts) on 32 Gb micro SD card | |
| A80728 | Navionics+ Blank µSD card for Regional Chart Download | |

### ACCESSORIES

| PART NO. | DESCRIPTION | |
|---|---|---|
| T70293 | System Remote Control Keypad (RMK-10) Portrait & Landscape | |
| A80585 | Bulkhead Mount micro SD Card Reader with 1m Cable | |
| A80440 | Bulkhead Mount SD Card Reader and USB Socket with 1m Cable | |
| A80630 | Bulkhead Mount Micro USB Socket with 1m cable for DJI Drones only | |
| E70310 | Raystar 150 10Hz GPS/Glonass antenna (STng) | |
| A80370 | Pole Mount for RS150 GPS Antenna / Micro-Talk Puck | |
| T70327 | Raystar 150 10Hz GPS/Glonass antenna (STng) with Pole Mount | |
| A80437 | RS150/MicroTalk Puck Clamshell Riser Mounting Kit | |
| A80007 | HS-5 Network Switch (Raynet) | |
| A80731 | RNS5 Gigabit Raynet Network Switch | |
| A80732 | RNS8 Gigabit Raynet Network Switch with 4 x POE ports | |
| R70615 | Spare RealVision 25-pin Locking Collar Kit | |

### SUNCOVERS

| PART NO. | DESCRIPTION | |
|---|---|---|
| R70525 | AXIOM 7 / AXIOM + 7 Suncover when Trunnion Mounted | |
| A80499 | AXIOM 7 / AXIOM + 7 Suncover when using Front Mounting Kit | |
| R70527 | AXIOM 7 / AXIOM+ 7 Suncover when Rear Mounted (Surface) | |
| A80501 | AXIOM 9 / AXIOM+ 9 Suncover when using Front Mounting Kit | |
| R70530 | AXIOM 9 / AXIOM+ 9 Suncover when Trunnion or Surface Mounted | |
| A80503 | AXIOM 12 / AXIOM+ 12 Suncover when using Front Mounting Kit | |
| R70533 | AXIOM 12 / AXIOM+ 12 Suncover when Trunnion or Surface Mounted | |

### TRUNNION MOUNTING KITS

| PART NO. | DESCRIPTION | |
|---|---|---|
| R70524 | Metal Trunnion Mounting Kit for AXIOM 7 / AXIOM+ 7 | |
| R70529 | Metal Trunnion Mounting Kit for AXIOM 9 / AXIOM+ 9 | |
| R70532 | Metal Trunnion Mounting Kit for AXIOM 12 / AXIOM+ 12 | |

### AXIOM FRONT MOUNT ACCESSORIES

| PART NO. | DESCRIPTION | |
|---|---|---|
| A80498 | Front Mounting Kit for AXIOM 7 / AXIOM+ 7 (including Sun Cover) | |
| A80500 | Front Mounting Kit for AXIOM 9 / AXIOM+ 9 (including Sun Cover) | |
| A80502 | Front Mounting Kit for AXIOM 12 / AXIOM+ 12 (including Sun Cover) | |

### REAR MOUNTING KITS

| PART NO. | DESCRIPTION | |
|---|---|---|
| R70528 | Rear Mounting Kit for AXIOM 7 / AXIOM+ 7 (Incl. Rear Brackets, Bolts and Thumbnuts) | |
| R70531 | Rear Mounting Kit for AXIOM 9 / AXIOM+ 9 (Incl. Rear Brackets, Bolts and Thumbnuts) | |
| R70534 | Rear Mounting Kit for AXIOM 12 / AXIOM+ 12 (Incl. Rear Brackets, Bolts and Thumbnuts) | |

### POWER CABLES

| PART NO. | DESCRIPTION | |
|---|---|---|
| R70561 | Element / AXIOM / AXIOM+ Power Cable 1.5m Right Angled with NMEA 2000 Connector | |
| R70523 | Element / AXIOM / AXIOM+ Power Cable 1.5m Straight with NMEA 2000 Connector | |

### ADAPTOR PLATES

| PART NO. | DESCRIPTION | |
|---|---|---|
| A80524 | Adaptor Plate to fit AXIOM 7 / AXIOM+ 7 into e7 size cutout | |
| A80526 | Adaptor Plate to fit AXIOM 9 / AXIOM+ 9 into a9 size cutout | |
| A80525 | Adaptor Plate to fit AXIOM 9 / AXIOM+ 9 into C70 size cutout | |
| A80564 | Adaptor Plate to fit AXIOM 9 / AXIOM+ 9 into C80/E80 size cutout | |
| A80528 | Adaptor Plate to fit AXIOM 12 / AXIOM+ 12 into e12 size cutout | |
| A80527 | Adaptor Plate to fit AXIOM 12 / AXIOM+ 12 into a12 size cutout | |
| A80529 | Adaptor Plate to fit AXIOM 12 / AXIOM+ 12 into C120/E120 Classic size cutout | |

# Raymarine

# AXIOM®+

| | AXIOM+ 7 | | AXIOM+ 9 | | AXIOM+ 12 | |
|---|---|---|---|---|---|---|
| **(mm / in.)** | | | | | | |
| | mm | in | mm | in | mm | in |
| **A** | 250.4 | 9.86 | 265.03 | 10.43 | 314 | 12.36 |
| **B** | 133 | 5.24 | 157.78 | 6.21 | 217 | 8.54 |
| **C** | 162.5 | 6.4 | 187.8 | 7.39 | 226.8 | 8.93 |
| **D** | 76.4 | 3.0 | 76.71 | 3.02 | 76.20 | 3.0 |
| **E** | 218 | 8.59 | 170 | 6.69 | 180 | 7.08 |



## AXIOM+ 7: IN THE BOX



1. MFD (supplied with Trunnion adaptor fitted)
2. Trunnion bracket
3. Trunnion knobs x 2
4. Suncover — Trunnion mount
5. Panel mount gasket for surface/flush mounting
6. M5x58 Threaded studs x 4
7. M5 Thumb nuts x 4
8. Documentation pack
9. DeviceNet to SeaTalkng® adaptor cable 120 mm (4.7 in)
10. Power/NMEA 2000 cable (with 1.5 m (4.92 ft) power lead and 0.5 m (1.64 ft) NMEA 2000 lead).

## AXIOM+ 9 / 12: IN THE BOX
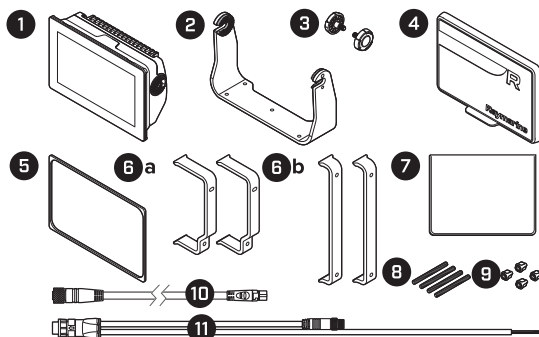


1. MFD
2. Trunnion bracket
3. Trunnion knobs x 2
4. Suncover
5. Panel mount gasket for surface/flush mounting
6. Rear mounting brackets: (a) supplied with 9" MFD (b) supplied with 12" MFD
7. Documentation pack
8. M5x58 Threaded studs x 4
9. M5 Thumb nuts x 4
10. DeviceNet to SeaTalkng® adaptor cable 120 mm (4.7 in)
11. Power/NMEA 2000 cable (with 1.5 m (4.92 ft) power lead and 0.5 m (1.64 ft) NMEA 2000 lead).

# AXIOM® 2 PRO

SAILING

CRUISING / WORKBOATS /
LAW ENFORCEMENT

OFFSHORE
FISHING

Our most powerful Axiom ever, Axiom 2 Pro, is upgraded with faster processors, superior displays, improved ergonomics, and the incredibly intuitive LightHouse 4 operating system. Get underway faster and confidently with Axiom 2 Pro's HybridTouch™ — a simple touchscreen experience plus reliable keypad control. Axiom 2 Pro chartplotters feature built-in wide-spectrum CHIRP sonars for fishing and navigation. Choose Axiom 2 Pro S models with a single High CHIRP sonar channel, or take your fishing to the max with Axiom 2 Pro RVM models, with 1kW CHIRP and RealVision MAX sonar technology.

**More Power**
Get underway faster with Axiom 2 Pro's lighting-fast 6-core processor.

**HybridTouch**
Plan and plot your course with fluid touchscreen control and take command with confident keypad control when seas are rough.

**Customise**
An interchangeable keypad gives you a choice an autopilot controls or user-programmable soft keys.

**Find More Fish with RealVision MAX**
RealVision MAX upgrades DownVision, SideVision, and 3D sonar with increased range, better resolution, and sharper fish targets

**HydroTough Displays**
Engineered to perform in extreme environments. HydroTough™ nano-coating technology repels water for reliable touchscreen control and enhances colours and sunlight visibility.

**Navigate Smarter**
Chartplotter, sonar, radar, autopilot, and video integrated together seamlessly with the super easy LightHouse 4 operating system.

**Automatic Display Brightness**
An ambient light sensor automatically adjusts display brightness for day and evening lighting conditions.

**Network Like a Pro**
Build a system with multiple Axiom displays and expanded video options, including HDMI output for remote displays and TVs.

# AXIOM® 2 PRO

| PART NO. | DESCRIPTION | |
|---|---|---|
| **AXIOM2 Pro S** | | |
| **AXIOM2 Pro 9 S** | | |
| E70653 | AXIOM2 Pro 9 S, HybridTouch 9" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S | |
| E70653-00-NEU | AXIOM2 Pro 9 S, HybridTouch 9" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S and Northern European LightHouse Chart | |
| E70653-00-WEU | AXIOM2 Pro 9 S, HybridTouch 9" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S and Western European LightHouse Chart | |
| E70653-00-MED | AXIOM2 Pro 9 S, HybridTouch 9" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S and Mediterranean LightHouse Chart | |
| **AXIOM2 Pro 12 S** | | |
| E70655 | AXIOM2 Pro 12 S, HybridTouch 12" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S | |
| E70655-00-NEU | AXIOM2 Pro 12 S, HybridTouch 12" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S and Northern European LightHouse Chart | |
| E70655-00-WEU | AXIOM2 Pro 12 S, HybridTouch 12" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S and Western European LightHouse Chart | |
| E70655-00-MED | AXIOM2 Pro 12 S, HybridTouch 12" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S and Mediterranean LightHouse Chart | |
| **AXIOM2 Pro 16 S** | | |
| E70657 | AXIOM2 Pro 16 S, HybridTouch 16" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S | |
| E70657-00-NEU | AXIOM2 Pro 16 S, HybridTouch 16" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S and Northern European LightHouse Chart | |
| E70657-00-WEU | AXIOM2 Pro 16 S, HybridTouch 16" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S and Western European LightHouse Chart | |
| E70657-00-MED | AXIOM2 Pro 16 S, HybridTouch 16" Multi-function Display with integrated High CHIRP Conical Sonar for CPT-S and Mediterranean LightHouse Chart | |
| | | |
| **AXIOM2 Pro RVM** | | |
| **AXIOM2 Pro 9 RVM** | | |
| E70654 | AXIOM2 Pro 9 RVM, HybridTouch 9" Multi-function Display with integrated 1kW Sonar, DV, SV and RealVision 3D Sonar | |
| E70654-00-NEU | AXIOM2 Pro 9 RVM, HybridTouch 9" Multi-function Display with integrated 1kW Sonar, DV, SV, RealVision 3D Sonar and Northern European LightHouse Chart | |
| E70654-00-WEU | AXIOM2 Pro 9 RVM, HybridTouch 9" Multi-function Display with integrated 1kW Sonar, DV, SV, RealVision 3D Sonar and Western European LightHouse Chart | |
| E70654-00-MED | AXIOM2 Pro 9 RVM, HybridTouch 9" Multi-function Display with integrated 1kW Sonar, DV, SV, RealVision 3D Sonar and Mediterranean LightHouse Chart | |
| **AXIOM2 Pro 12 RVM** | | |
| E70656 | AXIOM2 Pro 12 RVM, HybridTouch 12" Multi-function Display with integrated 1kW Sonar, DV, SV and RealVision 3D Sonar | |
| E70656-00-NEU | AXIOM2 Pro 12 RVM, HybridTouch 12" Multi-function Display with integrated 1kW Sonar, DV, SV, RealVision 3D Sonar and Northern European LightHouse Chart | |
| E70656-00-WEU | AXIOM2 Pro 12 RVM, HybridTouch 12" Multi-function Display with integrated 1kW Sonar, DV, SV, RealVision 3D Sonar and Western European LightHouse Chart | |
| E70656-00-MED | AXIOM2 Pro 12 RVM, HybridTouch 12" Multi-function Display with integrated 1kW Sonar, DV, SV, RealVision 3D Sonar and Mediterranean LightHouse Chart | |
| **AXIOM2 Pro 16 RVM** | | |
| E70658 | AXIOM2 Pro 16 RVM, HybridTouch 16" Multi-function Display with integrated 1kW Sonar, DV, SV and RealVision 3D Sonar | |
| E70658-00-NEU | AXIOM2 Pro 16 RVM, HybridTouch 16" Multi-function Display with integrated 1kW Sonar, DV, SV and RealVision 3D Sonar and Northern European LightHouse Chart | |
| E70658-00-WEU | AXIOM2 Pro 16 RVM, HybridTouch 16" Multi-function Display with integrated 1kW Sonar, DV, SV and RealVision 3D Sonar and Western European LightHouse Chart | |
| E70658-00-MED | AXIOM2 Pro 16 RVM, HybridTouch 16" Multi-function Display with integrated 1kW Sonar, DV, SV and RealVision 3D Sonar and Mediterranean LightHouse Chart | |
| **AXIOM & AXIOM Pro Accessories** | | |
| **CARTOGRAPHY** | | |
| R70794-IGB | LightHouse Chart (preloaded with UK & Ireland charts) on 32Gb micro SD card | |
| R70794-NEU | LightHouse Chart (preloaded with Northern Europe charts) on 32 Gb micro SD card | |
| R70794-WEU | LightHouse Chart (preloaded with Western Europe charts) on 32 Gb micro SD card | |
| R70794-MED | LightHouse Chart (preloaded with Mediterranean region charts) on 32 Gb micro SD card | |
| A80728 | Navionics+ Blank µSD card for Regional Chart Download | |

# Raymarine

# AXIOM® 2 PRO

| PART NO. | DESCRIPTION | |
|---|---|---|
| **ACCESSORIES** | | |
| T70293 | System Remote Control Keypad (RMK-10) Portrait & Landscape | |
| A80585 | Bulkhead Mount micro SD Card Reader with 1m Cable | |
| A80440 | Bulkhead Mount SD Card Reader and USB Socket with 1m Cable | |
| A80630 | Bulkhead Mount Micro USB Socket with 1m cable for DJI Drones only | |
| A80589 | GPS & Glonass antenna (AXIOM Pro, AXIOM XL & AIS 4000/5000) | |
| E70310 | Raystar 150 10Hz GPS/Glonass antenna (STng) | |
| A80370 | Pole Mount for RS150 GPS Antenna / Micro-Talk Puck | |
| T70327 | Raystar 150 10Hz GPS/Glonass antenna (STng) with Pole Mount | |
| A80437 | RS150/MicroTalk Puck Clamshell Riser Mounting Kit | |
| A80007 | HS-5 Network Switch (Raynet) | |
| A80731 | RNS5 Gigabit Raynet Network Switch | |
| A80732 | RNS8 Gigabit Raynet Network Switch with 4 x POE ports | |
| R70615 | Spare RealVision 25-pin Locking Collar Kit | |
| A80644 | Airmar Embedded Transducer Junction Box | |
| **SUNCOVERS** | | |
| A80534 | AXIOM 9 Pro Silicone Suncover | |
| A80535 | AXIOM 12 Pro Silicone Suncover | |
| A80536 | AXIOM 16 Pro Silicone Suncover | |
| A80741 | AXIOM2 Pro 9 Silicon Suncover | |
| A80742 | AXIOM2 Pro 12 Silicon Suncover | |
| A80743 | AXIOM2 Pro 16 Silicon Suncover | |
| **TRUNNION MOUNTING KITS** | | |
| R70384 | AXIOM Pro 9 / eS9 Trunnion Mount Kit | |
| R70389 | AXIOM Pro 12 / eS12 Trunnion Mount Kit | |
| A80537 | AXIOM Pro 16 Mounting Plate | |
| **FLUSH MOUNTING KITS** | | |
| R70385 | AXIOM Pro 9 / eS9 Flush Mount Seal Kit | |
| R70388 | AXIOM Pro 12 / eS12 Flush Mount Seal Kit | |
| R70599 | AXIOM Pro 16 Flush Mount Seal Kit | |
| **REAR MOUNTING KITS** | | |
| A80342 | AXIOM Pro 9 / eS9 Rear Mounting Bracket | |
| A80343 | AXIOM Pro 12 / eS12 Rear Mounting Bracket | |
| **POWER CABLES** | | |
| R70029 | AXIOM Pro & XL, a9, a12, c9, c12, e7, e9, e12, e165, eS9, eS12 & gS Power cable, NMEA0183 & Video-in 1.5m Right Angle | |
| R62379 | AXIOM Pro & XL, a9, a12, c9, c12, e7, e9, e12, e165, eS9, eS12 & gS Power Cable, NMEA0183 & Video-in 1.5m Straight | |
| A80745 | AXIOM2 Pro & XL Power Cable, Right Angled 1.5M | |
| A80744 | AXIOM2 Pro & XL Power Cable, Straight 1.5M | |
| **ADAPTOR PLATES** | | |
| A80530 | Adaptor Plate to fit AXIOM 9 Pro into E90W size cutout | |
| A80565 | Adaptor Plate to fit AXIOM 12 Pro into E120 size cutout | |
| A80531 | Adaptor Plate to fit AXIOM 12 Pro into E120W size cutout | |
| A80533 | Adaptor Plate to fit AXIOM Pro 16 into E140W/e165 size cutout | |
| **TRIM KITS** | | |
| R70383 | AXIOM Pro 9 / eS9 Trim Kit | |
| R70387 | AXIOM Pro 12 / eS12 Trim Kit | |
| R70598 | AXIOM Pro 16 Trim Kit | |

# Raymarine

# AXIOM® 2 PRO

## AXIOM 2 PRO: IN THE BOX
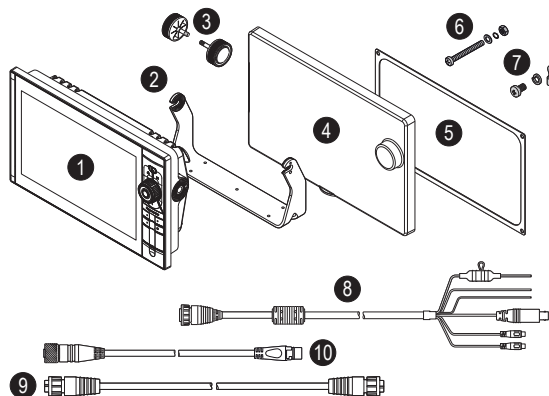


1. Display
2. Trunnion bracket **(Axiom 2 Pro 9 and 12 Only)**
3. Trunnion bracket fixings
4. Suncover
5. Gasket
6. Mounting fixings x 4 (Including bolts, washers, nuts)
7. M3 x 5 screw, M3 spring washer and M3 crimp terminal (for optional grounding connection)
8. Power/video/audio cable 1.5 m (4.92 ft)
9. RayNet 2 m (6.6 ft) network cable
10. SeaTalkng ™ to DeviceNet 1 m (3.3 ft) adaptor cable

| (mm / in.) | | | | | | |
|---|---|---|---|---|---|---|
| | **AXIOM 2 PRO 9** | | **AXIOM 2 PRO 12** | | **AXIOM 2 PRO 16** | |
| | mm | in | mm | in | mm | in |
| **A** | 299.32 | 11.78 | 358 | 14.1 | 452 | 17.8 |
| **B** | 329.5 | 12.97 | 388.5 | 15.3 | 482.50 | 19.00 |
| **C** | 173.8 | 6.84 | 222.8 | 8.77 | 258 | 10.2 |
| **D** | 97.9 | 3.85 | 96.3 | 3.79 | 101.8 | 4.0 |
| **E** | 186.2 | 7.3 | 246.13 | 9.69 | 281.20 | 11.10 |
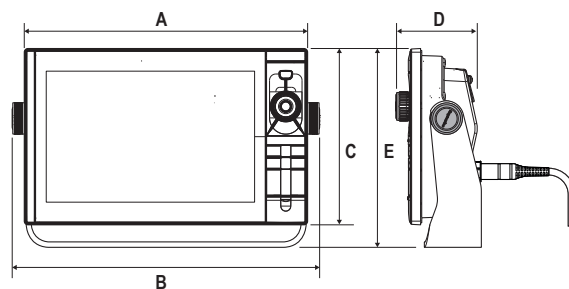
# AXIOM® 2 XL

SAILING

CRUISING
LUXURY YACHTS
SUPERYACHTS

OFFSHORE
FISHING

Axiom 2 XL, the flagship of the Axiom family, delivers powerful chartplotter performance, stylish large-format navigation, and the elegant simplicity of the LightHouse 4 operating system. Designed for all weather conditions, the rugged yet beautiful Axiom 2 XL displays are at home in open cockpits or enclosed glass bridge stations. Enhanced with powerful 6-core processors, expanded networking, and ultra-bright HydroTough displays, Axiom 2 XL is the premium chartplotter for captains who demand the best. Axiom 2 XL displays are available in 16, 19, 22, and 24-inch diagonal display sizes.

**Glass Bridge**
Axiom 2 XL offers the largest possible displays with the smallest overall footprint. Experience big-screen navigation even on tightly spaced helms.

**More Powerful**
Get underway faster with our most powerful 6-core chartplotter processor.

**Remote Control**
Add the RMK-10 keypad and enjoy complete remote keypad control of each Axiom 2 XL at your helm.

**Advanced Video Integration**
HDMI input, HDMI output, and USB touchscreen input lets you integrate with Axiom 2 XL with remote computers and HDTV monitors.

**HydroTough Displays**
Engineered to perform in extreme environments. HydroTough™ nano-coating technology repels water for reliable touchscreen control and delivers enhanced colours and sunlight visibility.

**Navigate Smarter**
Chartplotter, sonar, radar, autopilot, and video integrated together seamlessly with the intuitive LightHouse 4 operating system.

**Automatic Display Brightness**
An ambient light sensor automatically adjusts display brightness for day and evening lighting conditions.

**Superior Networking**
Create a glass bridge helm with multiple Axiom 2 XL displays and expanded video options, including 3 power-over-ethernet Raynet ports for video camera connectivity.
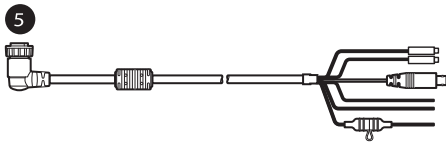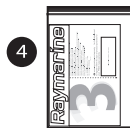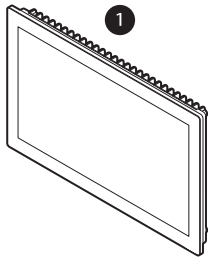
# Raymarine

# AXIOM® 2 XL

| PART NO. | DESCRIPTION | 25 | |
|---|---|---|---|
| **AXIOM XL Glass Bridge Displays** | | | |
| **AXIOM XL Glass Bridge Displays** | | | |
| E70399 | AXIOM XL 16 - 15.6" Glass Bridge Multi-function Display | | |
| **AXIOM2 XL Glass Bridge Displays** | | | |
| **AXIOM2 XL Glass Bridge Displays** | | | |
| E70661 | AXIOM2 XL 16 - 15.6" Glass Bridge Multi-function Display | | |
| E70662 | AXIOM2 XL 19 - 18.5" Glass Bridge Multi-function Display | | |
| E70663 | AXIOM2 XL 22- 21.5" Glass Bridge Multi-function Display | | |
| E70664 | AXIOM2 XL 24 - 24" Glass Bridge Multi-function Display | | |
| **ACCESSORIES** | | | |
| A80585 | Bulkhead Mount micro SD Card Reader with 1m Cable | | |
| A80440 | Bulkhead Mount SD Card Reader and USB Socket with 1m Cable | | |
| A80630 | Bulkhead Mount Micro USB Socket with 1m cable for DJI Drones only | | |
| A80589 | GPS & Glonass antenna (AXIOM Pro, AXIOM XL & AIS 4000/5000) | | |
| E26033 | External Alarm Buzzer | | |
| A80219 | HDMI Cable 5m | | |
| A80235 | Video In and Alarm Cable - 2m for AxiomXL and gS series | | |
| T70431 | AXIOM XL Accessory Pack including GA150 GPS, RCR-SD/USB and Honk including cable | | |
| A80578 | Touch Screen (USB B) to AXIOM XL (USB A right angle) Cable - 5m | | |
| A80579 | AXIOM XL Touch Screen Out (USB B right angle) to Computer (USB A) Cable - 5m | | |
| A80733 | Axiom2 XL 16 - Silicon Magnetic Suncover | | |
| A80734 | Axiom2 XL 19 - Silicon Magnetic Suncover | | |
| A80735 | Axiom2 XL 22 - Silicon Magnetic Suncover | | |
| A80736 | Axiom2 XL 24 - Silicon Magnetic Suncover | | |
| R70668 | Axiom XL 16" Rear mounting kit | | |
| R70669 | Axiom XL 19" Rear mounting kit | | |
| R70675 | Axiom XL 22" Rear mounting kit | | |
| R70670 | Axiom XL 24" Rear mounting kit | | |
| T70293 | System Remote Control Keypad (RMK-10) Portrait & Landscape | | |
| E70310 | Raystar 150 10Hz GPS/Glonass antenna (STng) | | |
| A80370 | Pole Mount for RS150 GPS Antenna / Micro-Talk Puck | | |
| T70327 | Raystar 150 10Hz GPS/Glonass antenna (STng) with Pole Mount | | |
| A80437 | RS150/MicroTalk Puck Clamshell Riser Mounting Kit | | |
| A80007 | HS-5 Network Switch (Raynet) | | |
| A80731 | RNS5 Gigabit Raynet Network Switch | | |
| A80732 | RNS8 Gigabit Raynet Network Switch with 4 x POE ports | | |
| **POWER CABLES** | | | |
| R70029 | AXIOM Pro & XL, a9, a12, c9, c12, e7, e9, e12, e165, eS9, eS12 & gS Power cable, NMEA0183 & Video-in 1.5m Right Angle | | |
| R62379 | AXIOM Pro & XL, a9, a12, c9, c12, e7, e9, e12, e165, eS9, eS12 & gS Power Cable, NMEA0183 & Video-in 1.5m Straight | | |
| A80745 | AXIOM2 Pro & XL Power Cable, Right Angled 1.5M | | |
| A80744 | AXIOM2 Pro & XL Power Cable, Straight 1.5M | | |
| **CARTOGRAPHY** | | | |
| R70794-IGB | LightHouse Chart (preloaded with UK & Ireland charts) on 32Gb micro SD card | | |
| R70794-NEU | LightHouse Chart (preloaded with Northern Europe charts) on 32 Gb micro SD card | | |
| R70794-WEU | LightHouse Chart (preloaded with Western Europe charts) on 32 Gb micro SD card | | |
| R70794-MED | LightHouse Chart (preloaded with Mediterranean region charts) on 32 Gb micro SD card | | |
| A80728 | Navionics+ Blank µSD card for Regional Chart Download | | |

# Raymarine

# AXIOM® 2 XL

1. Axiom™ 2 XL MFD
2. Rear mounting bar x 2
3. Mounting gasket tape
4. Documentation pack
5. Power/Video/NMEA 0183 cable 1.5 m (4.92 ft) right-angled
6. Mounting bar fixings x 4 (M5 x 20 pozi countersunk)
7. Mounting fixings x 4 (Including M5 x 35 Bolts, M5 wavy washers, M5 nuts and mounting feet)
8. M3 x 5 screw, M3 spring washer and M3 crimp terminal (for optional grounding connection)
9. SeaTalkng ™ to DeviceNet 1 m (3.3 ft) adaptor cable
10. RayNet 2 m (6.6 ft) network cable

# AXIOM® 2 XL

| | AXIOM 2 XL 16 | | AXIOM 2 XL 19 | | AXIOM 2 XL 22 | | AXIOM 2 XL 24 | |
|---|---|---|---|---|---|---|---|---|
| **(mm / in.)** | mm | in | mm | in | mm | in | mm | in |
| **A** | 394.9 | 15.54 | 462 | 18.1 | 534 | 21.02 | 578 | 22.76 |
| **B** | 248.22 | 9.77 | 289 | 11.3 | 326 | 12.83 | 387 | 15.23 |
| **C** | 9.0 | 0.35 | 9.0 | 0.35 | 9.0 | 0.35 | 9.0 | 0.35 |
| **D** | 73.96 | 2.91 | 73.96 | 2.91 | 79.75 | 3.14 | 76 | 3.0 |

# RVX1000 SONAR



INSHORE AND OFFSHORE FISHING

The RVX1000 offers all of the sonar performance and features of Raymarine Axiom Pro in a remotely mounted black box sonar module. 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 a versatile sonar solution for both inshore and offshore fishing.
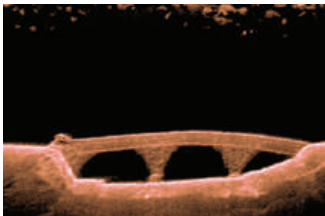








### CHIRP DownVision

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

CHIRP SideVision® sonar 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.
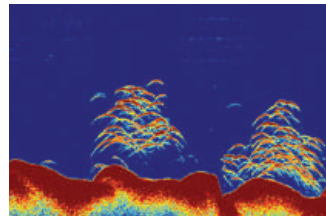
### CHIRP DownVision

RVX1000 has built-in low power, high frequency CHIRP plus 1kW high power CHIRP supporting low, medium and high frequency bands. Dual transducer connections let you customise your sonar system with a wide range of transom mount, in-hull and through-hull options.
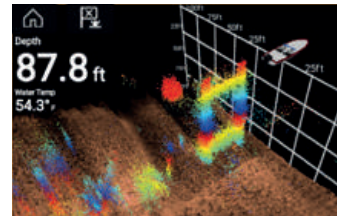
### RealVision 3D

RealVision™ 3D give 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.

# RVX1000 SONAR

| PART NO. | DESCRIPTION | | |
|----------|-------------|---|---|
| **RealVision BLACK BOX SOUNDER** | | | |
| **RealVision Black Box Sonar with 1kW Sonar, DownVision, SideVision and RealVision 3D Sonar** | | | |
| E70511 | RVX1000 RealVision Black Box Sonar with 1kW Sonar, DownVision, SideVision and RealVision 3D Sonar | | |
| E70665 | RVM1600 RealVision Black Box Sonar with 1kW Sonar, DownVision, SideVision and RealVision 3D Sonar | | |
| | | | |
| **AXIOM, AXIOM Pro and RVX1000 Transducers** | | | |
| **Conical High CHIRP Direct Connect to AXIOM DV. Adaptor cable A80490 required for AXIOM RV & all AXIOM Pro** | | | |
| A80490 | Adaptor Cable (9 pin to 25 pin) attach (CPT-xxx) transducer to AXIOM RV or AXIOM Pro RVX & S, 300mm | | |
| E70342 | CPT-S Plastic Conical HIGH CHIRP Transom Mount Transducer, 10m | | |
| A80691 | CPT-S Plastic Conical HIGH CHIRP In-Hull Transducer, 0/12/20° fitting options with 6m cable | | |
| E70339 | CPT-S Plastic Conical HIGH CHIRP Through Hull 0° Angled Element Transducer, 10m | | |
| A80448 | CPT-S Plastic Conical HIGH CHIRP Through Hull 12° Angled Element Transducer, 10m | | |
| A80447 | CPT-S Plastic Conical HIGH CHIRP Through Hull 20° Angled Element Transducer, 10m | | |
| A80446 | CPT-S Bronze Conical HIGH CHIRP Through Hull 0° Angled Element Transducer, 10m | | |
| E70340 | CPT-S Bronze Conical HIGH CHIRP Through Hull 12° Angled Element Transducer, 10m | | |
| E70341 | CPT-S Bronze Conical HIGH CHIRP Through Hull 20° Angled Element Transducer, 10m | | |
| **Conical High CHIRP & DownVision Transducer Direct Connect to AXIOM DV. Adaptor cable A80490 required for AXIOM RV, AXIOM Pro-RVX & RVX1000** | | | |
| A80490 | Adaptor Cable (9 pin to 25 pin) attach (CPT-xxx) transducer to AXIOM RV or AXIOM Pro RVX & S, 300mm | | |
| A80351 | CPT-100DVS Plastic Transom Mount Chirp Transducer, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable) | | |
| A80277 | CPT-110 Plastic Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable) | | |
| A80350 | CPT-120 Bronze Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable) | | |
| **AXIOM RV, AXIOM Pro-RVX and RVX1000 RealVision 3D Transducers** | | | |
| A80464 | RV-100 RealVision 3D Transom Mount Transducer, Direct connect to AXIOM MFDs (8m cable) | | |
| A80470 | RV-300 RealVision 3D Plastic Through Hull Transducer 0°, Direct connect to AXIOM (8m cable) | | |
| T70320 | Pack of RV-312 RealVision 3D Plastic Thru Hull Txds, Port & Starboard 12°, Direct connect to AXIOM (2 x 2m, Y-cable and 8m extension cable) | | |
| T70321 | Pack of RV-320 RealVision 3D Plastic Thru Hull Txds, Port & Starboard 20°, Direct connect to AXIOM (2 x 2m, Y-cable and 8m extension cable) | | |
| A80465 | RV-200 RealVision 3D Bronze Through Hull Transducer 0°, Direct connect to AXIOM (8m cable) | | |
| T70318 | Pack of RV-212 RealVision 3D Bronze Thru Hull Txds, Port & Starboard 12°, Direct connect to AXIOM (2 x 2m, Y-cable and 8m extension cable) | | |
| T70319 | Pack of RV-220 RealVision 3D Bronze Thru Hull Txds, Port & Starboard 20°, Direct connect to AXIOM (2 x 2m, Y-cable and 8m extension cable) | | |
| A80615 | RV-400 RealVision 3D Stainless Steel Through Hull Transducer 0°, Direct connect to AXIOM (8m cable) | | |
| T70450 | Pack of RV-412 RealVision 3D Stainless Steel Thru Hull Txds, Port & Starboard 12°, Direct connect to AXIOM (2 x 2m, Y-cable and 8m extension cable) | | |
| T70451 | Pack of RV-420 RealVision 3D Stainless Steel Thru Hull Txds, Port & Starboard 20°, Direct connect to AXIOM (2 x 2m, Y-cable and 8m extension cable) | | |
| **AXIOM2 Pro RVM and RVM1600 RealVision 3D Transducers** | | | |
| A80703 | RVM-100 RealVision 3D Transom Mount Transducer, Direct connect to AXIOM2 Pro MFDs and RVM1600 (8m cable) | | |
| A80704 | RVM-400 RealVision 3D Stainless Steel Through Hull Transducer 0°, Direct connect to AXIOM2 and RVM1600 (8m cable) | | |
| T70543 | Pack of RVM-412 RealVision 3D Stainless Steel Thru Hull Txds, Port & Starboard 12°, Direct connect to AXIOM2 and RVM1600 (2 x 2m, Y-cable and 8m extension cable) | | |
| T70544 | Pack of RVM-420 RealVision 3D Stainless Steel Thru Hull Txds, Port & Starboard 20°, Direct connect to AXIOM2 and RVM1600 (2 x 2m, Y-cable and 8m extension cable) | | |
| **Non CHIRP 50/200 KHz transducer for AXIOM DV (A80484 required) and AXIOM RV Only (A80488 required)** | | | |
| A80484 | Adaptor Cable (7 pin to 9 pin) to attach an Airmar (7 pin) transducer to AXIOM 7 DV (9 pin) | | |
| A80488 | Adaptor Cable (7 pin to 25 pin) to attach an Airmar transducer (7 pin) to AXIOM RV (25 pin) | | |

# RVX1000 SONAR

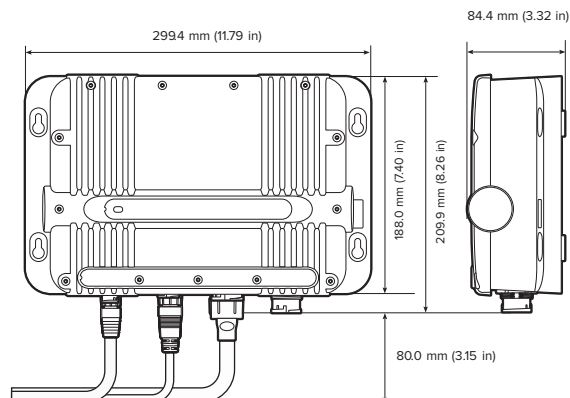| PART NO. | DESCRIPTION | |
|---|---|---|
| **AXIOM, AXIOM Pro and RVX1000 Transducers** | | |
| **Non CHIRP 50/200 KHz transducer for AXIOM DV (A80485 required), AXIOM RV Only (A80489 required) & AXIOM Pro-RVX or RVX1000 (A80496 required)** | | |
| A80485 | Adaptor Cable (8 pin to 9 pin) to attach an Airmar (8 pin) transducer to AXIOM 7 DV (9 pin) | |
| A80489 | Adaptor Cable (8 pin to 25 pin) to attach an Airmar (8 pin) transducer to AXIOM RV (25 pin) | |
| A80496 | Adaptor Cable to attach an Airmar transducer (8 pin) to AXIOM Pro-RVX (11 pin) | |
| A80567 | P74 Depth & Temp In Hull Transducer with 9m cable (CP370 connect 8-pin) | |
| E66008 | P79 600W Depth Plastic In-Hull Transducer with Adjustable Angle (8-Pin / CP370) | |
| E66013 | P319 600W Depth Plastic Low Profile Through Hull Transducer 50/200kHz | |
| E66014 | B117 600W Depth Low Profile Bronze Through Hull Transducer | |
| E66077 | P319 600W Depth & Temp Plastic Through Hull Transducer 50/200 kHz (CP370 8-pin) | |
| E66086 | B60 600W Depth & Temp Bronze Through Hull Transducer with 12° Tilted Element | |
| E66085 | B60 600W Depth & Temp Bronze Through Hull Transducer with 20° Tilted Element | |
| E66054 | P66 600W Depth, Speed & Temp Transom Mount Transducer | |
| A66091 | B744V 600W Depth, Speed & Temp Bronze Through Hull Retractable Transducer (includes E66023 Fairing Block) | |
| A66092 | B744VL 600W Depth, Speed & Temp Bronze Long Stem Through Hull Retractable Transducer (includes E66023 Fairing Block) | |
| A66089 | M260 1000W Depth Transducer with in hull-kit | |
| E66076 | R199 1000W Depth In-Hull Transducer | |
| E66084 | TM258 1000W Depth and Temp Transom Mount Transducer with Transom Mount Bracket (8 pin) | |
| E66082 | B258 1000W Depth & Temp Bronze Through Hull Transducer including Fairing Block (8 pin) | |
| A102137 | B164 1000W Depth & Temp Bronze Transducer 0° 50/200 kHz Flush (8 pin) | |
| A102112 | B164 1000W Depth & Temp Bronze Transducer 12° 50/200 kHz Low Profile (8 pin) | |
| A102113 | B164 1000W Depth & Temp Bronze Transducer 20° 50/200 kHz Low Profile (8 pin) | |
| A80451 | SS164 1000W Depth & Temp Stainless Steel Through Hull 0° Transducer 200/50 kHz (8 pin) | |
| A66098 | SS164 1000W Depth & Temp Stainless Steel Through Hull 12° Transducer 200/50 kHz (8 pin) | |
| A66099 | SS164 1000W Depth & Temp Stainless Steel Through Hull 20° Transducer 200/50 kHz (8 pin) | |
| E66079 | B260 1000W Depth & Temp Bronze Broadband Through Hull including Fairing Block (8 pin) | |
| A102121 | SS270 1000W Depth & Temp Stainless Steel Wide beam Through Hull Transducer 50/200 kHz (8 pin) | |
| **SPEED/TEMPERATURE – TRANSDUCERS** | | |
| E66071 | P120 Speed & Temp Plastic Retractable Through Hull Transducer incl. Y-Cable E66022 (8 pin) | |
| E66072 | B120 Speed Temp Bronze Low Profile Through Hull Retractable Transducer incl. Y-Cable E66022 (8 pin) | |
| **AXIOM Pro-RVX, RVX1000, CP470 & CP570 600W/1KW/2KW/3KW Transducers - No Adaptor cable required - See CP470 Section** | | |
| **AXIOM ADAPTOR CABLES** | | |
| A80515 | AXIOM RV 45mm Right Angle Connector for AXIOM Transducers | |
| A80484 | Adaptor Cable (7 pin to 9 pin) to attach an Airmar (7 pin) transducer to AXIOM 7 DV (9 pin) | |
| A80485 | Adaptor Cable (8 pin to 9 pin) to attach an Airmar (8 pin) transducer to AXIOM 7 DV (9 pin) | |
| A80486 | Y-Cable (9 & 7 pin to 9 pin) to attach a DownVision (CPT-1xx) Transducer & an Airmar (7 pin)) embedded 600W transducer to AXIOM 7 DV (9 pin) | |
| A80487 | Y-Cable (9 & 8 pin to 9 pin) to attach a DownVision (CPT-1xx) Transducer & an Airmar (8 pin) transducer to AXIOM 7 DV (9 pin) | |
| A80488 | Adaptor Cable (7 pin to 25 pin) to attach an Airmar transducer (7 pin) to AXIOM RV (25 pin) | |
| A80489 | Adaptor Cable (8 pin to 25 pin) to attach an Airmar (8 pin) transducer to AXIOM RV (25 pin) | |
| A80490 | Adaptor Cable (9 pin to 25 pin) attach (CPT-xxx) transducer to AXIOM RV or AXIOM Pro RVX & S, 300mm | |
| A80491 | Y-Cable (25 & 7 pin to 25 pin) to attach a RealVision 3D (RV-xxx) Transducer & an Airmar (7 pin) transducer to AXIOM RV (25 pin) | |
| A80492 | Y-Cable (25 & 8 pin to 25 pin) to attach a RealVision 3D (RV-xxx) Transducer & an Airmar (8 pin) transducer to AXIOM RV (25 pin) | |
| A80493 | Y-Cable (9 & 7 pin to 25 pin) to attach a DownVision (CPT-1xx) Transducer & an Airmar (7 pin) transducer to AXIOM RV (25 pin) | |
| A80494 | Y-Cable (9 & 8 pin to 25 pin) to attach a DownVision (CPT-1xx) Transducer & an Airmar (8 pin) transducer to AXIOM RV | |
| A80496 | Adaptor Cable to attach an Airmar transducer (8 pin) to AXIOM Pro-RVX (11 pin) | |

# Raymarine

# RVX1000 SONAR

| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **EXTENSION CABLES** | | |
| A80475 | 3m RealVision 3D Transducer Extension Cable | |
| A80476 | 5m RealVision 3D Transducer Extension Cable | |
| A80477 | 8m RealVision 3D Transducer Extension Cable | |
| E66010 | 5m Transducer Extension Cable with Removable Back-Shell for Airmar transducers (8 pin) | |
| E66066 | Transducer Adaptor Cable for DSM/CP370 style transducers a,c,e Series 8 pin to 7 pin | |
| A62363 | 1m Minnkota Adaptor Cable (7 pin) | |
| **TRANSDUCER MOUNTING PLATES** | | |
| R70521 | RV-100 Transom Mounting Bracket | |
| A80479 | Step Mount for RV-100 RealVision 3D transom Mount Transducer | |
| A80480 | Jack Plate Mount for RV-100 RealVision 3D transom Mount Transducer | |
| A80482 | Spacer Kit for Jack Plate Mount for RV-100 RealVision 3D transom Mount Transducer | |

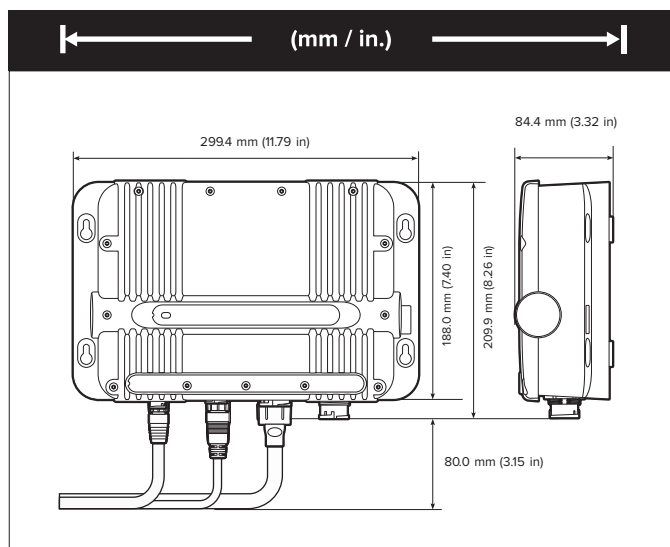## RVX1000: IN THE BOX
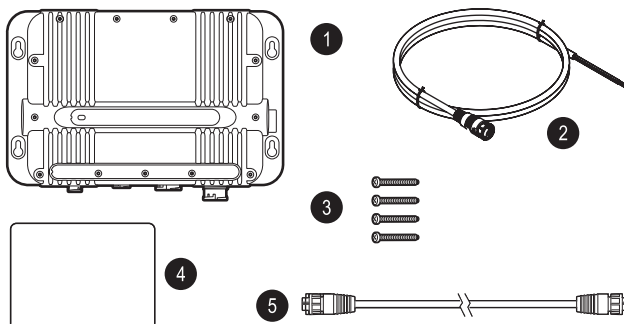


1. RVX1000 Sonar module
2. 1.5m power cable
3. Fixing screws
4. Documentation pack
5. RayNet Network Cable, 2m

**(mm / in.)**



299.4 mm (11.79 in)

84.4 mm (3.32 in)

188.0 mm (7.40 in)

209.9 mm (8.26 in)

80.0 mm (3.15 in)

# RVM1600 SONAR

INSHORE AND OFFSHORE FISHING

The RVM1600 with RealVision MAX technology takes Raymarine multi-channel CHIRP sonar performance to a new level. The next generation of DownVision, SideVision, 3D, and conventional CHIRP sonar, RealVision MAX delivers vivid sonar imagery and fish targets like never before. RealVision MAX starts with all-new high-performance RealVision CHIRP transducers, upgraded with larger elements and increased power output for extended-range performance. Next, RealVision MAX CHIRP signal processing and faster ping rates improve visual fidelity and target identification. With RealVision MAX, structure is more recognizable, and the most elusive fish are easily identifiable with high-contrast RealVision MAX sonar colour palettes.

**Multi-Channel Sonar**
The RVM1600 is equipped with both a 1 kW dual-channel CHIRP sonar plus RealVision MAX sonar channels, including High CHIRP, SideVision, DownVision, and 3D channel.

**Maximum Clarity**
RealVision MAX CHIRP sonar processing, combined with faster ping rates, delivers superior sonar imagery in CHIRP, Side, Down, and RealVision sonar channels.

**Maximum Fish**
New RealVision MAX high contrast colour palettes and fish targeting enhancements help you positively identify fish and bait.

**Maximum Range**
More powerful RealVision MAX CHIRP transducers with a 600-watt conical High CHIRP element and upgraded Side and DownVision elements deliver better fishfinding on longer-range scales.

**CHIRP DownVision**
CHIRP DownVision® delivers a photo-like view of the world beneath your boat. See bottom structures and fish targets with amazing detail.

**CHIRP SideVision**
CHIRP SideVision® sonar expands your underwater horizon with bank-to-bank displays of fish, bait, and underwater structures. See further and see more fish than traditional side scanning sonars.

**Conventional CHIRP**
RealVision Max transducers feature a 600-watt high-frequency conical CHIRP element for coastal fishing. A separate 1kW dual-channel CHIRP sonar for offshore fishing with a wide range of transom, in-hull and through-hull options.

**3D Sonar**
RealVision MAX 3D sonar lets anglers see sonar data in a life-like 3D perspective view.  Use 3D sonar to pinpoint that elusive wreck or setup the perfect drift.
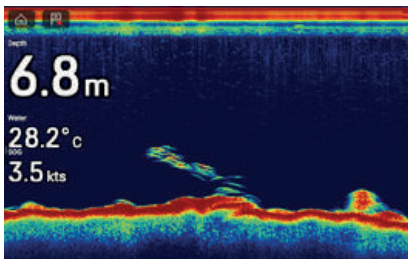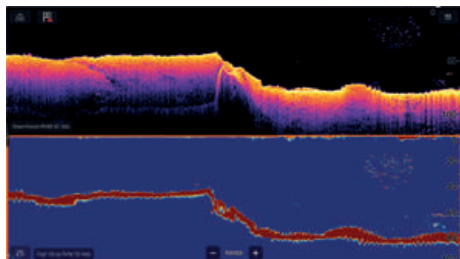
# RVM1600 SONAR

## RVM1600: IN THE BOX
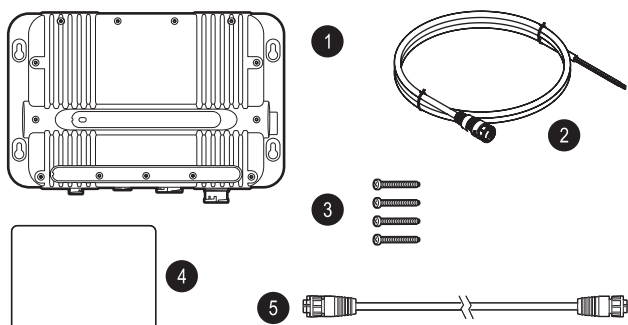


1. RVM1600 Sonar module
2. 1.5m power cable
3. Fixing screws
4. Documentation pack
5. RayNet Network Cable, 2m

---

**(mm / in.)**



299.4 mm (11.79 in)

84.4 mm (3.32 in)

188.0 mm (7.40 in)

209.9 mm (8.26 in)

80.0 mm (3.15 in)



RVM-400
Through-Hull Transducer



RVM-100
Transom-Mount Transducer
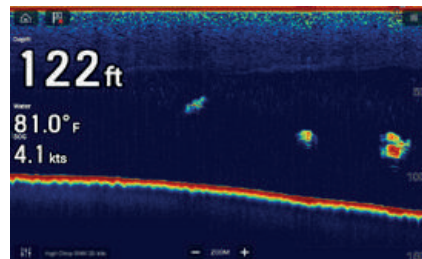
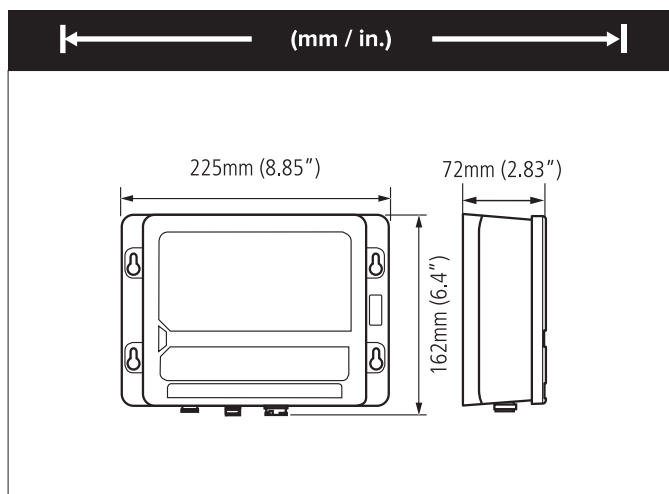# CP100 SONAR

FRESHWATER AND COASTAL FISHING

## CP100 DownVision Sonar Module

The CP100 network sonar module brings CHIRP DownVision technology to Raymarine's chartplotters displays. CP100's CHIRP DownVision delivers a photo like view of the world beneath your boat, allowing you to image bottom structure with amazing detail and target fish simultaneously.

# Raymarine
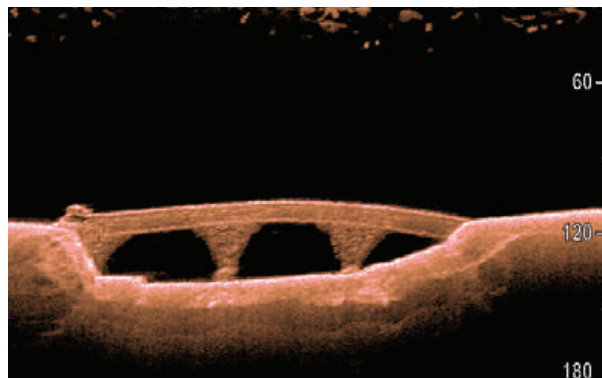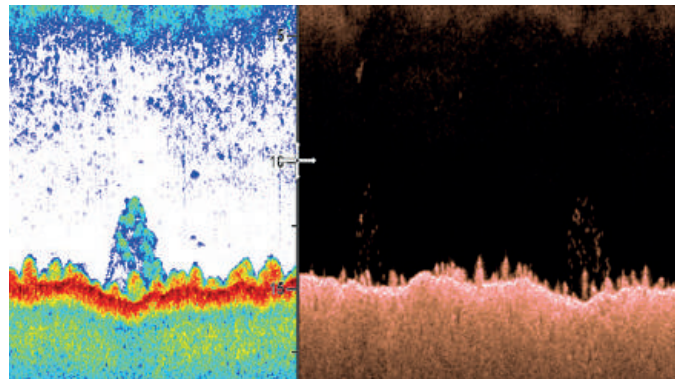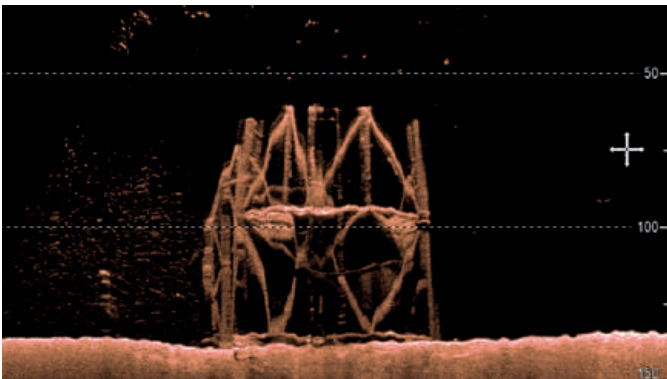
# CP100 SONAR

| PART NO. | DESCRIPTION | |
|---|---|---|
| **CP100** | | |
| **DOWNVISION & SIDEVISION SOUNDER MODULE** | | |
| E70204 | CP100 DownVision Fishfinder | |
| **CHIRP SONAR, DOWNVISION & SIDEVISION TRANSDUCERS** | | |
| E70342 | CPT-S Plastic Conical HIGH CHIRP Transom Mount Transducer, 10m | |
| A80691 | CPT-S Plastic Conical HIGH CHIRP In-Hull Transducer, 0/12/20° fitting options with 6m cable | |
| E70339 | CPT-S Plastic Conical HIGH CHIRP Through Hull 0° Angled Element Transducer, 10m | |
| A80448 | CPT-S Plastic Conical HIGH CHIRP Through Hull 12° Angled Element Transducer, 10m | |
| A80447 | CPT-S Plastic Conical HIGH CHIRP Through Hull 20° Angled Element Transducer, 10m | |
| A80446 | CPT-S Bronze Conical HIGH CHIRP Through Hull 0° Angled Element Transducer, 10m | |
| E70340 | CPT-S Bronze Conical HIGH CHIRP Through Hull 12° Angled Element Transducer, 10m | |
| E70341 | CPT-S Bronze Conical HIGH CHIRP Through Hull 20° Angled Element Transducer, 10m | |
| A80351 | CPT-100DVS Plastic Transom Mount Chirp Transducer, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable) | |
| A80277 | CPT-110 Plastic Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable) | |
| A80350 | CPT-120 Bronze Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable) | |
| A80281 | CPT-200 Transom Mount Chirp Transducer, SideVision & Temp, Direct connect to CP200 (10m cable) | |
| **ACCESSORIES** | | |
| A80363 | CPT-S Trolling Motor Mounting Kit | |
| R70496 | CPT-S Transom Bracket with Hardware | |
| A80330 | CPT-DV / CPT-DVS / CPT-100DVS Trolling Motor Mount | |
| A80273 | Transducer Extension for CPT-S, CPT100, CPT110 & CPT120 (4m cable) | |

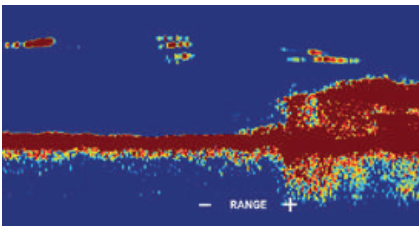| (mm / in.) |
|---|
| 225mm (8.85")   72mm (2.83") |
| 162mm (6.4") |

## CP100: IN THE BOX

1. Sonar module
2. 1.0m (3.28 ft) power cable
3. Fixing screws
4. Documentation pack

# CP370 SONAR

OFFSHORE AND COASTAL FISHING

The CP370 delivers exceptional clarity, sharper fish targets, and automatic operation using Raymarine's next-generation ClearPulse™ digital sonar processing. The CP370 boasts up to 1,000 watts of power and operates at 200kHz for inshore and 50kHz for offshore fishing. ClearPulse™ signal processing intelligently manages the CP370 sonar parameters in all conditions so anglers can spend more time fishing and less time adjusting the sonar.

## CP370 MFD Compatibility

aSeries | cSeries | eSeries | eS Series | gS Series | C-Widescreen | G-Series- Classic | E-Classic | E-Widescreen | Axiom | Axiom+ | Axiom Pro | Axiom XL

| PART NO. | DESCRIPTION | |
|---|---|---|
| **CP370** | | |
| **CP370 SOUNDER MODULE** | | |
| E70297 | CP370 ClearPulse 1KW Sonar Module | |
| **DEPTH – 600W TRANSDUCERS** | | |
| E66008 | P79 600W Depth Plastic In-Hull Transducer with Adjustable Angle (8-Pin / CP370) | |
| E66013 | P319 600W Depth Plastic Low Profile Through Hull Transducer 50/200kHz | |
| E66014 | B117 600W Depth Low Profile Bronze Through Hull Transducer | |
| **DEPTH/TEMPERATURE – 600W TRANSDUCERS** | | |
| A80567 | P74 Depth & Temp In Hull Transducer with 9m cable (CP370 connect 8-pin) | |
| E66085 | B60 600W Depth & Temp Bronze Through Hull Transducer with 20º Tilted Element | |
| E66086 | B60 600W Depth & Temp Bronze Through Hull Transducer with 12º Tilted Element | |
| A80568 | SS60 600W Depth & Temp Stainless Steel Through Hull Transducer with 0º Element & 9m cable | |
| A80569 | SS60 600W Depth & Temp Stainless Steel Through Hull Transducer with 12º Tilted Element & 9m cable | |
| A80570 | SS60 600W Depth & Temp Stainless Steel Through Hull Transducer with 20º Tilted Element & 9m cable | |
| E66077 | P319 600W Depth & Temp Plastic Through Hull Transducer 50/200 kHz (CP370 8-pin) | |

# Raymarine

# CP370 SONAR

| PART NO. | DESCRIPTION | |
|---|---|---|
| **DEPTH/SPEED/TEMPERATURE – 600W TRANSDUCERS** | | |
| E66054 | P66 600W Depth, Speed & Temp Transom Mount Transducer | |
| A66091 | B744V 600W Depth, Speed & Temp Bronze Through Hull Retractable Transducer (includes E66023 Fairing Block) | |
| A66092 | B744VL 600W Depth, Speed & Temp Bronze Long Stem Through Hull Retractable Transducer (includes E66023 Fairing Block) | |
| **DEPTH – 1KW HIGH PERFORMANCE TRANSDUCERS** | | |
| A66089 | M260 1000W Depth Transducer with in hull-kit | |
| E66076 | R199 1000W Depth In-Hull Transducer | |
| **DEPTH/TEMPERATURE – 1KW HIGH PERFORMANCE TRANSDUCERS** | | |
| E66084 | TM258 1000W Depth and Temp Transom Mount Transducer with Transom Mount Bracket (8 pin) | |
| E66082 | B258 1000W Depth & Temp Bronze Through Hull Transducer including Fairing Block (8 pin) | |
| A102112 | B164 1000W Depth & Temp Bronze Transducer 12º 50/200 kHz Low Profile (8 pin) | |
| A102113 | B164 1000W Depth & Temp Bronze Transducer 20º 50/200 kHz Low Profile (8 pin) | |
| A102137 | B164 1000W Depth & Temp Bronze Transducer 0º 50/200 kHz Flush (8 pin) | |
| A80451 | SS164 1000W Depth & Temp Stainless Steel Through Hull 0° Transducer 200/50 kHz (8 pin) | |
| A66098 | SS164 1000W Depth & Temp Stainless Steel Through Hull 12° Transducer 200/50 kHz (8 pin) | |
| A66099 | SS164 1000W Depth & Temp Stainless Steel Through Hull 20° Transducer 200/50 kHz (8 pin) | |
| E66079 | B260 1000W Depth & Temp Bronze Broadband Through Hull including Fairing Block (8 pin) | |
| A102121 | SS270 1000W Depth & Temp Stainless Steel Wide beam Through Hull Transducer 50/200 kHz (8 pin) | |
| **SPEED/TEMPERATURE – TRANSDUCERS** | | |
| E66071 | P120 Speed & Temp Plastic Retractable Through Hull Transducer incl. Y-Cable E66022 (8 pin) | |
| E66072 | B120 Speed Temp Bronze Low Profile Through Hull Retractable Transducer incl. Y-Cable E66022 (8 pin) | |
| **ACCESSORIES** | | |
| E66010 | 5m Transducer Extension Cable with Removable Back-Shell for Airmar transducers (8 pin) | |
| E66066 | Transducer Adaptor Cable for DSM/CP370 style transducers a,c,e Series 8 pin to 7 pin | |
| E66023 | B744V/B744VL Hi-Speed Fairing Block | |

**CP370: IN THE BOX**
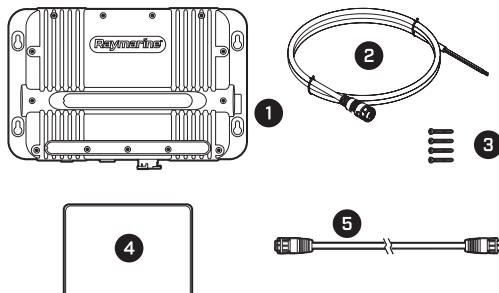


1. Sonar module
2. 1.5m (5 ft) power cable
3. No.8 fixing screws
4. Documentation pack
5. 2m (6.56 ft) RayNet (Female to Female) network cable

**(mm / in.)**



299.4mm (11.79in)    84.4mm (3.3in)    201.5mm (7.9in)
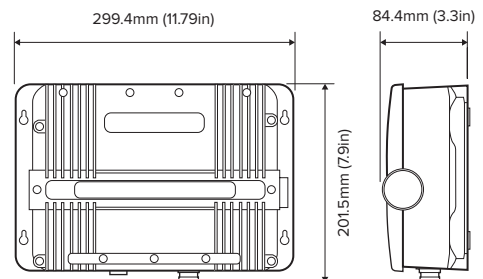
# CP470 & CP570 SONAR

CP470
OFFSHORE AND COASTAL

CP570
PROFESSIONAL & TOURNAMENT

With ten times the resolution of ordinary sonars, the CP470 and CP570 CHIRP sonar modules deliver sharper, more defined fish targets, and automatically filter out unwanted noise. Pair these powerful CHIRP sonar modules with any Axiom chartplotter, and you will never miss any of the action below.
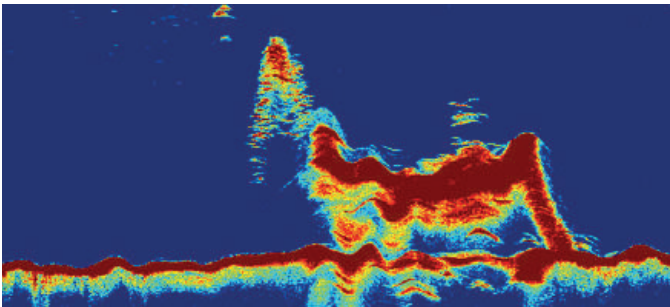
**Serious Offshore Sonar**

Using a choice of Low, Medium, or High frequencies the CP470, and CP570's advanced CHIRP transceivers can see through dense schools of baitfish, identify thermoclines, and simultaneously target desired game fish.
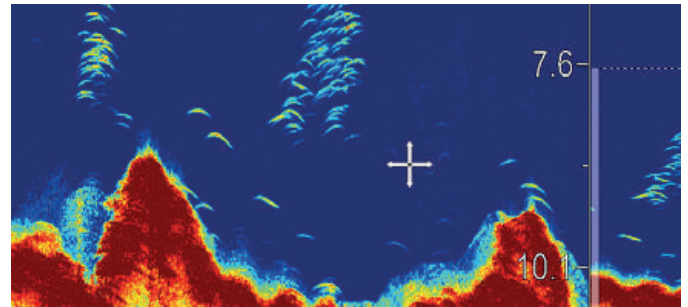
**Best-in-Class Target Separation**

The CP470 and CP570 deliver superior target definition and enhanced sensitivity using Raymarine's exclusive wide spectrum CHIRP sonar technology.
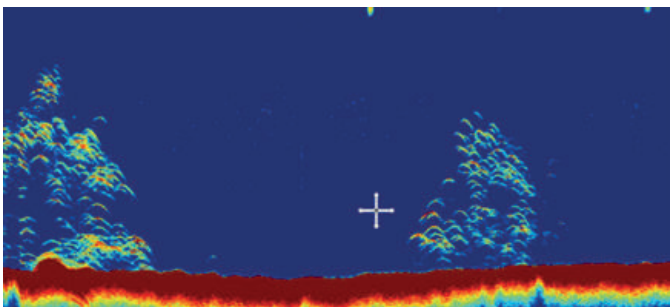
**CP470 2kW CHIRP**

Target fish, identify bait, and track the seafloor down to 10,000ft. (3,000m) with two adjustable CHIRP sonar channels.
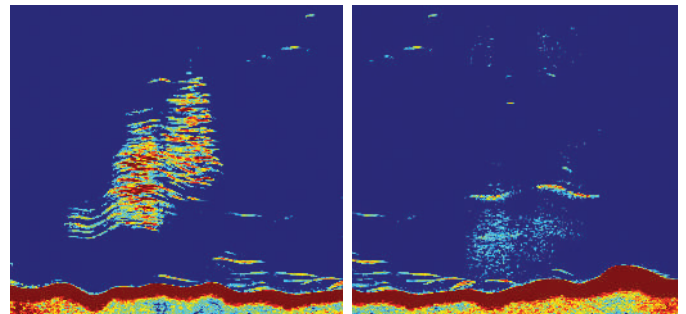
**CP570: Up to 4kW of Power**

Step up to the CP570 with a combined 4kW of CHIRP sonar power. Hunt for fish in different parts of the water column with the CP570's two fully independent 2kW sonar channels.

# CP470 & CP570 SONAR

| PART NO. | DESCRIPTION | | |
|---|---|---|---|
| **CP470 & CP570** | | | |
| **CP470/CP570 SOUNDER MODULE** | | | |
| E70298 | CP470 Clear Pulse 470 CHIRP | | |
| E70258 | CP570 Clear Pulse 570 CHIRP | | |
| **CP470/CP570 300W - 600W TRANSDUCERS** | | | |
| A80014 | B765LH D/T Through Hull Low (300W) - High (600W) Transducer | | |
| A80015 | B765LM D/T Through Hull Low (300W) - Medium (600W) Transducer | | |
| A80016 | B75L Bronze Low Profile D/T Through Hull Transducer 0° Angle (300W) | | |
| A80017 | B75M Bronze Low Profile D/T Through Hull Transducer 0° Angle (600W) | | |
| A80018 | B75H Bronze Low Profile D/T Through Hull Transducer 0° Angle (600W) | | |
| A80034 | B75M Bronze Low Profile D/T Through Hull Transducer 12° Angle (600W) | | |
| A80035 | B75H Bronze Low Profile D/T Through Hull Transducer 12° Angle (600W) | | |
| A80036 | B75M Bronze Low Profile D/T Through Hull Transducer 20° Angle (600W) | | |
| A80037 | B75H Bronze Low Profile D/T Through Hull Transducer 20° Angle (600W) | | |
| **CP470/CP570 1KW TRANSDUCER PAIRS (all pairs include Y-cable)** | | | |
| T70075 | B175 Depth & Temperature Bronze Low Profile Through Hull Transducer pair 20 deg - Low & High | | |
| T70076 | B175 Depth & Temperature Bronze Low Profile Through Hull Transducer pair 20 deg - Low & Medium | | |
| T70077 | B175 Depth & Temperature Bronze Low Profile Through Hull Transducer pair 20 deg - Medium & High | | |
| **CP470/CP570 1KW TRANSDUCERS** | | | |
| A80042 | B175L Bronze Low Profile 1000W D/T Through Hull Transducer 0° Angle | | |
| A80043 | B175M Bronze Low Profile 1000W D/T Through Hull Transducer 0° Angle | | |
| A80044 | B175H Bronze Low Profile 1000W D/T Through Hull Transducer 0° Angle | | |
| A80045 | B175L Bronze Low Profile 1000W D/T Through Hull Transducer 12° Angle | | |
| A80046 | B175M Bronze Low Profile 1000W D/T Through Hull Transducer 12° Angle | | |
| A80047 | B175H Bronze Low Profile 1000W D/T Through Hull Transducer 12° Angle | | |
| A80048 | B175L Bronze Low Profile 1000W D/T Through Hull Transducer 20° Angle | | |
| A80049 | B175M Bronze Low Profile 1000W D/T Through Hull Transducer 20° Angle | | |
| A80050 | B175H Bronze Low Profile 1000W D/T Through Hull Transducer 20° Angle | | |
| A80319 | B175H-W 1000W D/T Through Hull Wide Beam Transducer 0° Angle | | |
| A80320 | B175H-W 1000W D/T Through Hull Wide Beam Transducer 12° Angle | | |
| A80321 | B175H-W 1000W D/T Through Hull Wide Beam Transducer 20° Angle | | |
| **CP470 & CP570** | | | |
| **CP470/CP570 1KW TRANSDUCERS** | | | |
| A80010 | B265LH D/T Through Hull Low-High Transducer | | |
| A80011 | B265LM D/T Through Hull Low-Medium Transducer | | |
| A80322 | B275LH-W 1000W D/T Through Hull Low-High Wide Beam Bronze Transducer with Fairing Block | | |
| A80012 | M265LH D In Hull Low-High Transducer | | |
| A80038 | M265LM D In Hull Low-Medium Transducer | | |
| A80013 | TM265 LH D/T Transom Mount Low-High Transducer | | |
| A80041 | TM265 LM D/T Transom Mount Low-Medium Transducer | | |
| A80318 | TM275LH-W 1000W D/T Transom Mount Low-High Wide Beam Transducer | | |
| A80325 | PM275LH-W 1000W D/T Pocket/Keel Mount Low-High Wide Beam Transducer | | |
| A80504 | SS175L Low CHIRP 1kW D/T Through Hull Transducer 20° Angle | | |
| A80505 | SS175M Medium CHIRP 1kW D/T Through Hull Transducer 20° Angle | | |
| A80506 | SS175H Wide Beam CHIRP 1kW D/T Through Hull Transducer 20° Angle | | |
| **CP470/CP570 2KW TRANSDUCERS (Note: ALL -W transducers require extension cable)** | | | |
| A80039 | R109 D/T Through Hull Low-High 2KW molded Transducer | | |
| A80040 | R109 D/T Through Hull Low-Medium 2KW molded Transducer | | |
| A80323 | R109LH-W 2KW D/T Through Hull Low-High molded Wide Beam Transducer | | |
| A80133 | R111 D/T In Hull Low-High 2KW Molded Transducer | | |
| A80134 | R111 D/T In Hull Low-Medium 2KW Molded Transducer | | |
| A80326 | PM111LH-W 2KW D/T Pocket/Keel Mount Low-High Wide Beam Transducer | | |
| A80378 | PM411LM-W UltraWide 2KW Pocket/Keel-Mount Low-Medium CHIRP Transducer | | |
| A80377 | R409LM-W UltraWide 2KW Through Hull Low-Medium CHIRP Transducer | | |

# CP470 & CP570 SONAR

| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **CP470/CP570 3KW TRANSDUCERS (Note: ALL -W transducers require extension cable)** | | |
| A80210 | R509 D/T Through Hull Low-High Hi Performance 3KW Transducer | |
| A80211 | R509 D/T Through Hull Low-Medium Hi Performance 3KW Transducer | |
| A80324 | R509LH-W 3KW D/T Through Hull Wide Beam Transducer | |
| A80212 | R599 D/T In Hull Low-High Hi Performance 3KW Transducer | |
| A80213 | R599 D/T In Hull Low-Medium Hi Performance 3KW Transducer | |
| **CP470/CP570 ACCESSORIES** | | |
| A102146 | CP470/CP570 Y-Cable | |
| A102148 | CP470/CP570 3m Transducer Extension Cable | |
| A102150 | CP470/CP570 5m Transducer Extension Cable | |
| A80327 | CP470/CP570 10m Transducer Extension Cable | |
| A80328 | Single B75/B175 Operation Cable | |
| A80345 | CP470-CP570 Speed-Temp Y-Cable | |
| A80346 | CP370/CP470/CP570 Power Cable (also for C-and E-Classic Series MFD and M1xx/M2xx thermal camera) | |

## CP470 / CP570: IN THE BOX
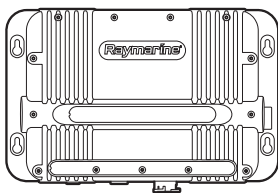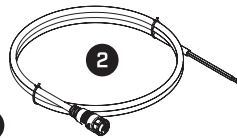


1. Sonar module
2. 1.5 m (5 ft) power cable
3. No.8 fixing screws
4. Documentation pack
5. 2 m (6.56 ft) RayNet (Female) to RayNet (Female) network cable

**(mm / in.)**



299.4mm (11.79in)

84.4mm (3.3in)

201.5mm (7.9in)
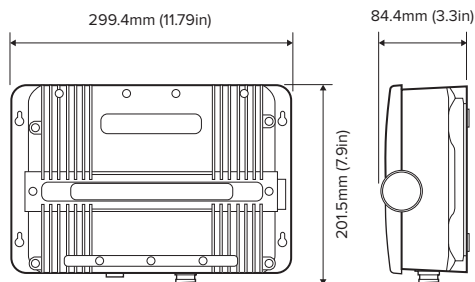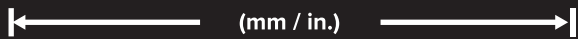
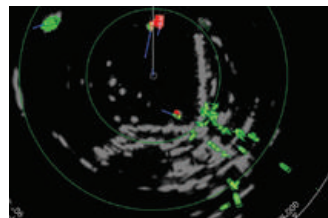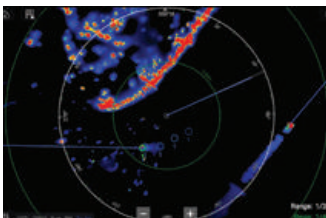# QUANTUM RADAR

SAILING          CRUISING          FISHING

Day and night, radar systems from Raymarine keep you aware of surrounding traffic, hazards and obstacles, approaching weather and so much more. Use your radar to navigate in dense fog or rain. Confirm your boat's position with super-accurate radar ranges. Let MARPA help you navigate safely through a crowded harbour. Enjoy map-like coastal detail when cruising offshore. Raymarine offers a wide range of radar solutions for all types and sizes of boats.

## Compact Performance

Quantum radars use solid-state CHIRP pulse compression technology to deliver superior target awareness at both long and extremely short ranges. FLIR's exclusive ATX™ advanced target separation technology displays targets like boats, buoys, and landmarks with exceptional resolution and separation quality.

## Energy Efficient

Quantum radars solid-state technology consumes very little power, making Quantum especially friendly to vessels running on battery power. Solid-state radar technology also generates very low radiated emissions.

## Quantum 2 with Doppler

Quantum 2 with Doppler elevates your awareness by detecting radar frequency shifts returned by moving versus stationary targets. Quantum 2 then colour codes inbound targets red (dangerous) and outbound targets green (safe), making it easy to discern potentially hazardous situations when navigating in high-traffic areas.

## Simple Installation

With every Raymarine Quantum system, you'll also benefit from a rugged and lightweight design that is easy to install. Quantum 2 can be installed in a traditionally wired configuration, or use built-in Wi-Fi technology to connect directly to your Raymarine MFD.

**NEW**    Quantum is now available in black.

# QUANTUM RADAR

| PART NO. | DESCRIPTION | 42 | |
|---|---|---|---|
| **Radar** | | | |
| **QUANTUM, PULSE COMPRESSED CHIRP RADAR** | | | |
| E70344 | Quantum 18" Q24W (WiFi Model only) w/ 10m Power Cable | | |
| E70210 | Quantum Q24C 18" Radar with 10m Power Cable | | |
| T70243 | Quantum Q24C 18" Radar with 10m Power and 10m Data Cable | | |
| T70266 | Quantum Q24C 18" Radar with 15m Power and 15m Data Cable | | |
| **QUANTUM 2 DOPPLER, PULSE COMPRESSED CHIRP RADAR** | | | |
| E70498 | Quantum Q24D Doppler 18" Radar with no Power or Data Cable | | |
| T70416 | Quantum Q24D Doppler 18" Radar with 10m Power Cable and 10m Data Cable | | |
| T70417 | Quantum Q24D Doppler 18" Radar with 15m Power Cable and 15m Data Cable | | |
| **BLACK QUANTUM 2 DOPPLER, PULSE COMPRESSED CHIRP RADAR** | | | |
| E70498-B | Black Quantum Q24D Doppler 18" Radar with no Power or Data Cable | | |
| T70549 | Black Quantum Q24D Doppler 18" Radar with 10m Power Cable and 10m Data Cable | | |
| T70550 | Black Quantum Q24D Doppler 18" Radar with 15m Power Cable and 15m Data Cable | | |
| **QUANTUM CABLES** | | | |
| A80274 | Quantum Data Cable 5m with Raynet connector | | |
| A80275 | Quantum Data Cable 10m with Raynet Connector | | |
| A80310 | Quantum Data Cable 15m with Raynet Connector | | |
| A80311 | Quantum Data Cable 25m with Raynet Connector | | |
| A80309 | Quantum Power Cable 10m with bare wires | | |
| A80369 | Quantum Power Cable 15m with bare wires | | |
| A80308 | Quantum Power-Data Adapter Cable | | |

**QUANTUM / QUANTUM 2: IN THE BOX**
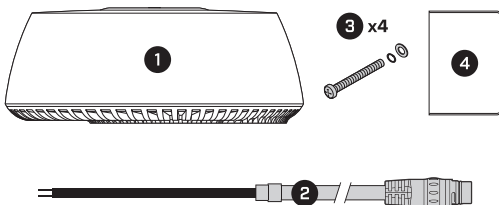
1. Quantum™ Radome
2. 10 m (32.8 ft.) Power cable
3. M8 mounting bolts with spring washers and flat washers
4. Documentation pack (including mounting template)

**(mm / in.)**

209.5 mm (8.25 in)
319.5 mm (12.58 in)
541.0 mm (21.30 in)
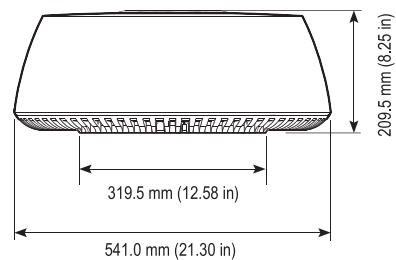
# MAGNUM RADAR



SAILING

CRUISING / WORKBOAT/
LAW ENFORCEMENT

FISHING

## Magnum Open Arrays

Magnum™ high-performance open array radars bring long-range performance and enhanced 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 intelligent target tracking and reliable performance, all packaged in a sleek open array pedestal built to withstand the elements.
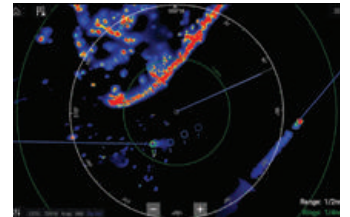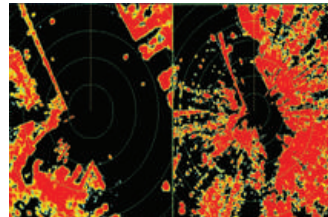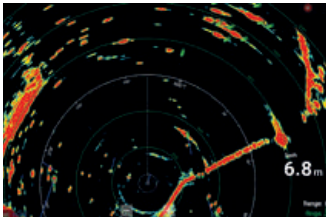
### Long Range Performance

Magnum is available in 4kW or 12kW power output options and with either a four-foot or six-foot antenna array option. Magnum radars offer a maximum range up to 96nm for 12kW models – ideal for blue water vessels – and up to 72nm for 4kW models.

### Choice of the Pros

Magnum radars are built upon the same radar technology Raymarine provides to the United States Coast Guard, so you can trust Magnum to deliver with professional features like beam sharpening technology for enhanced detail and bearing resolution. Combine Magnum with Axiom and take advantage of True Trails target history display and real-time heading updates.

### Essential Coastal Cruising Tools

Magnum radars feature dual-range scanning enabling them to work simultaneously at a short range scale for collision avoidance and a long range scale for coastal navigation. Magnum also has automatic 24 or 48 RPM antenna rotation speed for faster updates when tracking contacts at close range.

### Enhanced Target Awareness

Magnum delivers better situational awareness with fully automatic MARPA target acquisition and tracking. Magnum also makes use of Raymarine's Evolution or AR200 9-axis heading sensor technology to provide real-time, accurate target plots.

# MAGNUM RADAR

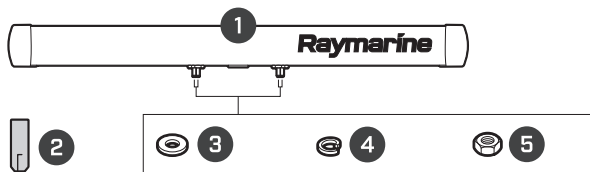| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **Radar** | | |
| **HD COLOR RADOME RADAR SCANNERS** | | |
| E92142 | 4kW 18" (456mm) HD Color Radome no Cable | |
| T70168 | 4kW 18" (456mm) HD Color Radome + 10m Raynet Cable | |
| E92143 | 4kW 24" (608mm) HD Color Radome no Cable | |
| T70169 | 4kW 24" (608mm) HD Color Radome + 10m Raynet Cable | |
| **MAGNUM OPEN ARRAY ANTENNA PACKS** | | |
| T70408 | 4kW Magnum with 4ft Open Array and 15m RayNet Radar Cable | |
| T70410 | 4kW Magnum with 6ft Open Array and 15m RayNet Radar Cable | |
| T70412 | 12kW Magnum with 4ft Open Array and 15m RayNet Radar Cable | |
| T70414 | 12kW Magnum with 6ft Open Array and 15m RayNet Radar Cable | |
| **MAGNUM OPEN ARRAY COMPONENTS** | | |
| E70484 | Magnum 4kW Pedestal including VCM100 | |
| E70487 | Magnum 12kW Pedestal including VCM100 | |
| E70490 | Magnum 4ft Open Array | |
| E70491 | Magnum 6ft Open Array | |
| E52091 | VCM100 – Voltage Converter Module (spare) | |

**MAGNUM PEDESTAL : IN THE BOX**
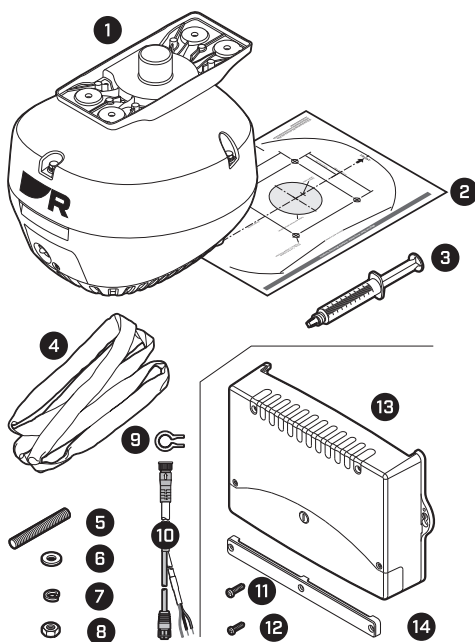


1. Pedestal
2. Mounting template
3. Denso paste
4. Lifting sling
5. Stud
6. Plain washer
7. Spring washer
8. Nut
9. Cable tightening tool
10. Radar-to-'RayNet & power' cable (15 m)
11. VCM100 mounting screw
12. VCM100 cable clamp mounting screw
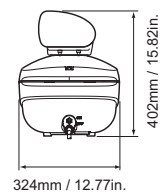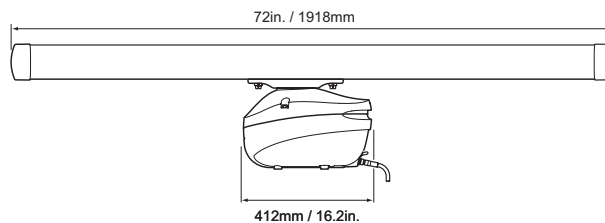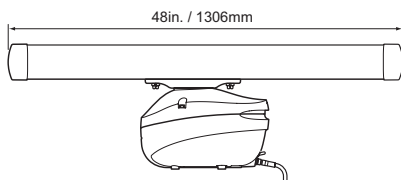13. VCM100 Voltage Converter Module
14. VCM100 cable clamp

# Raymarine

# MAGNUM RADAR

## MAGNUM ARRAY : IN THE BOX



1. Antenna (4 ft or 6 ft — 4 ft illustrated)
2. Threaded alignment guide
3. Washer
4. Spring washer
5. Nut

### (mm / in.)



48in. / 1306mm

72in. / 1918mm

412mm / 16.2in.

324mm / 12.77in.

402mm / 15.82in.

| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **RADAR SCANNER CABLES** | | |
| A80227 | 5m Digital Radar Cable with Raynet Connector | |
| A80228 | 10m Digital Radar Cable with Raynet Connector | |
| A80229 | 15m Digital Radar Cable with Raynet Connector | |
| A80230 | 25m Digital Radar Cable with Raynet Connector | |
| A55076D | 5m Digital Radar Cable (RJ45 Connector) | |
| A55077D | 10m Digital Radar Cable (RJ45 Connector) | |
| A55078D | 15m Digital Radar Cable (RJ45 Connector) | |
| A55079D | 25m Digital Radar Cable (RJ45 Connector) | |
| A92141D | 2.5m Digital Radar Extension Cable | |
| A55080D | 5m Digital Radar Extension Cable | |
| A55081D | 10m Digital Radar Extension Cable | |
| A80160 | RayNet (F) to SeaTalkHS (F) adaptor - 400mm | |

# CYCLONE RADAR

CRUISING / WORKBOAT/
LAW ENFORCEMENT

FISHING

## Cyclone Solid-State Open Array Radar

Cyclone radars are the ultimate expression of design, rugged performance, and unmatched situational awareness. Tackle the harshest conditions with the confidence of Cyclone's solid-state CHIRP pulse compression technology and aircraft wing-inspired design. Each model features innovative detection capabilities, including Cyclone Bird Mode, RangeFusion™ technology, and high-speed 60 rpm imaging.

### Engineered for Extremes

The aircraft-wing-inspired design delivers a best-in-class 100-knot wind rating and meets the commercial grade IEC 62388 standard for ship bourne radar.

### Real-Time Target Tracking

Fast 60 RPM rotational speed delivers 360 degrees of awareness and accurate target tracks in real-time.

### Safer Navigation with Doppler

Doppler target tracking simplifies the interpretation of dangerous and safe targets for added safety.

### Professional grade ARPA

Cyclone automatically tracks up to 50 targets using the same advanced ARPA technology trusted by the United States Coast Guard.

### RangeFusion™ Technology

Cyclone combines short and long pulses into a single high clarity radar image, simultaneously delivering exceptional short-range and long-range targets.

### Enhanced Cyclone Bird Mode

Cyclone CHIRP pulse compression technology intelligently optimizes gain and tune settings for imaging distant sea birds.
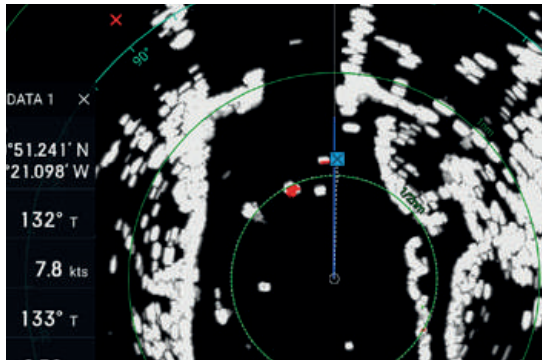
### Three Array Size Options

4- and 6-foot options deliver superior target separation and range, while the 3-foot array provides open array performance in tight spaces.
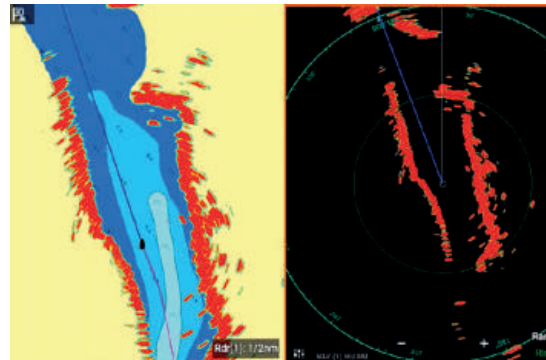
### Two Power Output Options

The base model Cyclone operates at 55 Watts. Step up to improved weather and long-range performance with 110 Watt Cyclone Pro.
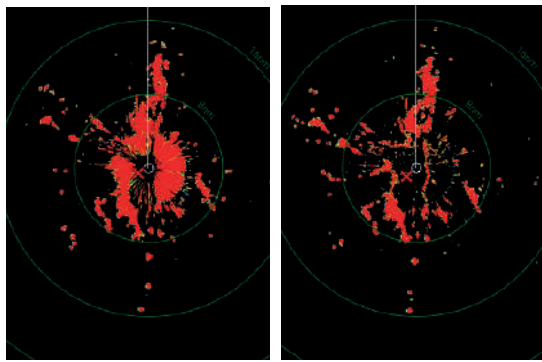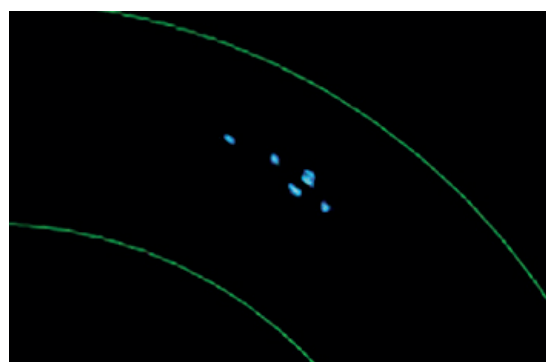
# Raymarine

# CYCLONE RADAR


Doppler Target Tracking


Precise shore line detail and long range target separation


RangeFusion combines short and long pulses
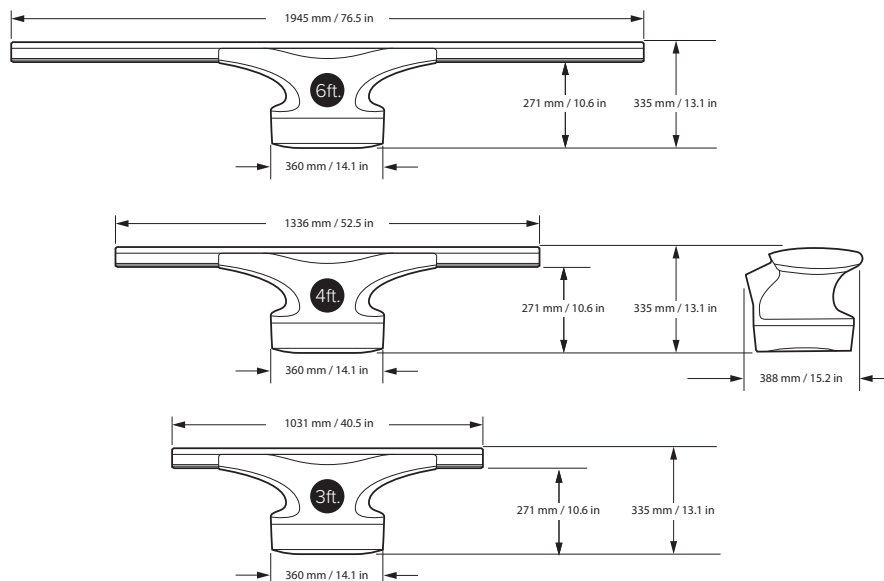into single image


Performance tuned for locating sea birds

| PART NO. | DESCRIPTION | | |
|---|---|---|---|
| **Radar** | | | |
| **CYCLONE OPEN ARRAY ANTENNA PACKS** | | | |
| T70491 | Cyclone 55 Watts 3ft Open Array Radar with 15m Cables | | |
| T70492 | Cyclone 55 Watts 4ft Open Array Radar with 15m Cables | | |
| T70493 | Cyclone 55 Watts 6ft Open Array Radar with 15m Cables | | |
| T70494 | Cyclone Pro 110 Watts 3ft Open Array Radar with 15m Cables | | |
| T70495 | Cyclone Pro 110 Watts 4ft Open Array Radar with 15m Cables | | |
| T70496 | Cyclone Pro 110 Watts 6ft Open Array Radar with 15m Cables | | |
| **CYCLONE OPEN ARRAY COMPONENTS** | | | |
| E70620 | Cyclone Radar Pedestal 55 Watts | | |
| E70621 | Cyclone Pro Radar Pedestal 110 Watts | | |
| E70628 | Cyclone 3ft Open Array | | |
| E70629 | Cyclone 4ft Open Array | | |
| E70630 | Cyclone 6ft Open Array | | |
| **CYCLONE OPEN ARRAY CABLES** | | | |
| A80651 | Cyclone Power Cable 5M | | |
| A80652 | Cyclone Power Cable 10M | | |
| A80653 | Cyclone Power Cable 15M | | |
| A80654 | Cyclone Power Cable 25M | | |
| A80656 | Cyclone Data Cable 5m with Raynet connector | | |
| A80657 | Cyclone Data Cable 10m with Raynet Connector | | |
| A80658 | Cyclone Data Cable 15m with Raynet Connector | | |
| A80659 | Cyclone Data Cable 25m with Raynet Connector | | |

# CYCLONE RADAR

| PART NO. | DESCRIPTION | 48 | |
|----------|-------------|----|----|

## Radar Accessories

### RADOME MAST MOUNTS

| | | |
|----------|-------------|----|
| A80382 | Mast Mount Bracket for Quantum Radome Scanner | |
| M92722 | Mast Mount Bracket for 18" (456mm) Radome Scanner | |
| M92698 | Mast Mount Bracket for 24" (608mm) Radome Scanner | |
| X10006-SCA | Radar Guard for M92722 suitable for 18" radome (not compatible with Quantum) | |

### SELF LEVELLING RADOME MOUNTS

| | | |
|----------|-------------|----|
| X10000-SCA | Self levelling mast mount for 18" / 24" radome scanner | |
| X10001-SCA | Self levelling backstay mount (forward mount) for 18" / 24" radome scanner | |
| X10002-SCA | Self levelling backstay mount (aft mount) for 18" / 24" radome scanner | |

### ACCESSORIES

| | | |
|----------|-------------|----|
| A80007 | HS-5 Network Switch (Raynet) | |
| A80731 | RNS5 Gigabit Raynet Network Switch | |
| A80732 | RNS8 Gigabit Raynet Network Switch with 4 x POE ports | |
| A80162 | RayNet (M) to RayNet (M) cable - 100mm | |
| A80160 | RayNet (F) to SeaTalkHS (F) adaptor - 400mm | |
| E55060 | SeaTalkHS Crossover Coupler | |
| 4115028 | Weather proof Ethernet coupler | |
| E70096 | Evolution EV1 Sensor Core | |



(mm / in.)

1945 mm / 76.5 in
6ft.
271 mm / 10.6 in
335 mm / 13.1 in
360 mm / 14.1 in

1336 mm / 52.5 in
4ft.
271 mm / 10.6 in
335 mm / 13.1 in
360 mm / 14.1 in
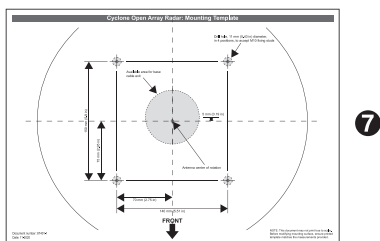388 mm / 15.2 in

1031 mm / 40.5 in
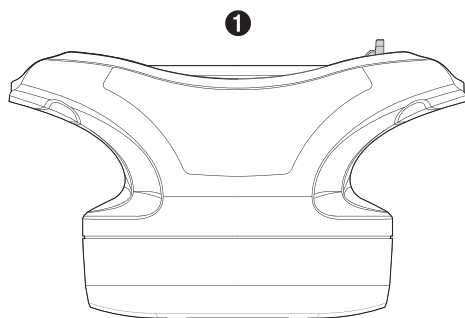3ft.
271 mm / 10.6 in
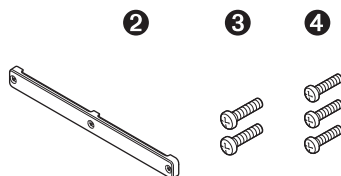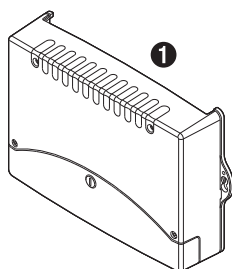335 mm / 13.1 in
360 mm / 14.1 in

# CYCLONE RADAR



**CYCLONE: IN THE BOX**
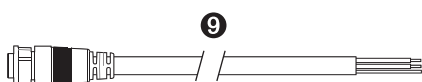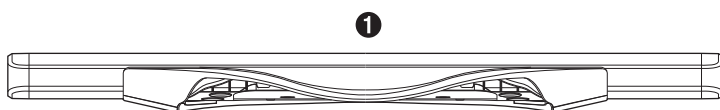
1. Pedestal
2. M10 Stud x4
3. M10 Nut x8
4. M10 Spring Washer x4
5. M10 Plain washer x4
6. Mounting gasket
7. Mounting template
8. Radar data cable
9. Power cable

1. VCM100
2. Cable clamp
3. VCM100 mounting screw x2
4. Cable clamp mounting screw x3

**NOTE:** The VCM100 is included with the Cyclone pedestal assembly

1. Antenna
2. Threaded alignment guide
3. Washer
4. Spring washer
5. Nut

# AUTOPILOTS



| SAILING | CRUISING | FISHING |

The culmination of Raymarine's' autopilot expertise and advanced aerospace guidance technology, Evolution Autopilots, delivers a new level of precision steering control. Each Evolution Autopilot system consists of the following components: an Evolution 9-axis sensor core, an actuator control unit (ACU), a drive mechanism, and a control head.

## EV-200 INBOARD

The EV200 system pack controls vessels with any Type 1 drive unit (Hydraulic, Linear, Sail or Power).



EV-1          ACU-200          p70Rs          p70s

Type 1 Linear Drive          Type 1 Rotary Drive          Type 1 Hydraulic Pump

## EV-400 INBOARD

The EV400 pack controls vessels with any Type 1 to Type 3 mechanical or hydraulic drive units.



EV-1          ACU-400          p70Rs          p70s

Type 1/2 Linear Drive          Type 1/2 Rotary Drive          Type 1/2/3 Hydraulic Pump



EV-2          p70Rs

## EV-200 DRIVE-BY-WIRE INBOARD

EV-2 has been designed for the latest drive-by-wire steering systems and connects directly to Raymarine's SeaTalk^NG bus.

Includes: Volvo; Teleflex Optimus; Xenta; Yamaha and more.



EV-1          ACU-300          p70Rs

## EV-300 SOLENOID INBOARD

The EV300 system is for use with electric solenoids that control the vessels hydraulic steering system.

# AUTOPILOTS

| INBOARD AUTOPILOTS | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Drive Units** | **RAM Capacity cc / cu in (Hydraulic)** | **Vessel Displacement kg / lbs** | **Autopilot Control Unit** | | | | |
| | | | **EV-100** | **EV150** | **EV-200** | **EV-300** | **EV-400** |
| Type 0.5L Hydraulic Pump | 50–125 / 3–7.6 | NA | ● | ● | | | |
| Type 1 Hydraulic Pump | 80–230 / 4.9–14 | NA | | ● | ● | | |
| Type 1 Mechanical Rotary / Linear Drives | | 11,000 / 24,000 | | | ● | | |
| 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 Mechanical Linear Drives | | 15,000 / 33,000 | | | | | ● |
| Type 2 Long Mechanical Linear Drives | | 20,000 / 44,000 | | | | | ● |
| Type 2 Mechanical Rotary Drives | | 20,000 / 44,000 | | | | | ● |
| Solenoid Drive Units | | NA | | | | ● | |
| ZF Saildrive Systems | | NA | | | | | ● |



**EV-100 WHEEL**

The EV-100 wheel pilot comprises a fully enclosed wheel-drive for simple installation and superb autopilot performance.



**EV-100 TILLER**

The Raymarine EV-100 Tiller Pilots are perfect for large tiller steered yachts up to 6,000kg (13,200 lbs) displacement.



**EV-100/EV-150 POWER PILOT**

For single outboard powered boats with hydraulic steering, the EV-100 and EV-150 deliver perfect steering using Raymarine's exclusive Hydro-Balance™ technology.

| COCKPIT AUTOPILOTS | | | | | | |
|---|---|---|---|---|---|---|
| **Cockpit Pilot Description** | **Maximum Displacement** | **Vessel Type** | **Pack Contents** | | | |
| | | | **EV** | **ACU** | **Control Head** | **Drive** |
| EV-100 Wheel | 7,500kg (16,000lbs) | Sail | EV-1 | ACU-100 | p70s | Wheel Drive |
| EV-100 Tiller | 6,000kg (13,200lbs) | Sail | EV-1 | ACU-100 | p70s | Tiller Drive |

Remember to always take the fully laden displacement weight of your vessel into account (often 20% above the designed displacement).

# AUTOPILOTS

| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **Autopilot** | | |
| **EVOLUTION SYSTEM PACKS WITH DRIVES, NO CONTROL HEAD** | | |
| T70248 | Evolution Wheel Pilot, ACU-100, EV1 Sensor Core, EV1 Cabling kit & Wheel Drive. Note MFD or autopilot control head is required | |
| T70249 | Evolution Tiller Pilot, ACU-100, EV1 Sensor Core, EV1 Cabling kit & Tiller Drive. Note MFD or autopilot control head is required | |
| T70250 | Evolution Hydraulic Pilot, ACU-100, EV1 Sensor Core, EV1 Cabling kit & 0.5l hydraulic pump. Note MFD or autopilot control head is required | |
| **EVOLUTION SYSTEM PACKS WITH DRIVES** | | |
| T70154 | Evolution Hydraulic Pilot with p70Rs control head, ACU-100, EV1 Sensor Core, EV1 Cabling kit & 0.5 litre 12v Hydraulic Pump | |
| T70153 | Evolution Tiller Pilot with p70s control head, ACU-100, EV1 Sensor Core, EV1 Cabling kit & Tiller Drive | |
| T70152 | Evolution Wheel Pilot with p70s control head, ACU-100, EV1 Sensor Core, EV1 Cabling kit & Wheel Drive | |
| T70330 | Evolution Hydraulic Pilot with p70Rs control head, ACU-150, EV1 Sensor Core, EV1 Cabling kit & 1.0 litre 12v Hydraulic Pump | |
| T70157 | Evolution Hydraulic Pilot with p70Rs control head, ACU-200, EV1 Sensor Core, EV1 Cabling kit & 1.0 litre 12vdc Hydraulic Pump | |
| T70158 | Evolution Autopilot with p70s control head, ACU-200, EV1 Sensor Core, EV1 Cabling kit & Type 1 Mechanical Linear drive | |
| **EVOLUTION SYSTEM PACKS** | | |
| T70281 | Evolution Autopilot with p70s control head & ACU-100, EV1 Sensor Core, EV1 Cabling kit (suitable for 0.5l Hydraulic, Wheel & Tiller drives) | |
| T70407 | Evolution Autopilot with p70Rs control head & ACU-150, EV1 Sensor Core, EV1 Cabling kit (suitable for 1.0l 12v Hydraulic Pump) | |
| T70155 | Evolution Autopilot with p70s control head & ACU-200, EV1 Sensor Core, EV1 Cabling kit (suitable for Type 1 drives) | |
| T70156 | Evolution Autopilot with p70Rs control head & ACU-200, EV1 Sensor Core, EV1 Cabling kit (suitable for Type 1 drives) | |
| T70160 | Evolution Solenoid Autopilot with p70Rs control head & ACU-300, EV1 Sensor Core, EV1 Cabling kit (suitable for Solenoid drives) | |
| T70164 | Evolution DBW Autopilot with p70Rs control head, EV2 Sensor Core, EV2 Cabling kit (suitable for drive by wire steering systems) | |
| T70214 | Evolution DBW Autopilot with p70Rs control head, EV2 Sensor Core, EV2 Cabling kit (direct Volvo IPS /Aquamatic system connection) | |
| T70580 | Evolution DBW Autopilot with p70Rs control head, EV2 Sensor Core, EV2 Cabling kit & Volvo Gateway (direct Volvo IPS /Aquamatic system connection) | |
| T70161 | Evolution Autopilot with p70s control head & ACU-400, EV1 Sensor Core, EV1 Cabling kit (suitable for Type 2 & 3 drives) | |
| T70162 | Evolution Autopilot with p70Rs control head & ACU-400, EV1 Sensor Core, EV1 Cabling kit (suitable for Type 2 & 3 drives) | |
| **AUTOPILOT CONTROL UNIT** | | |
| E70328 | p70s Autopilot Control Head (Sail) | |
| E70329 | p70Rs Autopilot Control Head (Power) | |
| A80532 | Autopilot Follow-On Tiller Steer Control Head (Standby - Power Steer - Standby) | |
| A80602 | Autopilot Follow-On Tiller Steer Control Head (Auto - Power Steer - Auto) | |
| **EVOLUTION COMPONENTS** | | |
| E70096 | Evolution EV1 Sensor Core | |
| E70097 | Evolution EV2 Sensor Core | |
| E70098 | ACU-100 Actuator Control Unit | |
| E70430 | ACU-150 Actuator Control Unit | |
| E70099 | ACU-200 Actuator Control Unit | |
| E70139 | ACU-300 Actuator Control Unit | |
| E70100 | ACU-400 Actuator Control Unit | |

# AUTOPILOTS

| PART NO. | DESCRIPTION | 53 | |
|----------|-------------|----|---|
| **EVOLUTION ACCESSORIES** | | | |
| R70160 | Evolution Cabling Kit | | |
| R70192 | Evolution Cabling Kit EV-2 | | |
| R70161 | Evolution EV-unit seal pack | | |
| R70162 | Evolution EV-unit wall bracket | | |
| A80437 | RS150/MicroTalk Puck Clamshell Riser Mounting Kit | | |
| E15023 | SmartController Wireless Autopilot Remote complete with Base Station | | |
| E15024 | S100 Wireless Autopilot Remote Complete with Base Station | | |
| A18104 | S100 Controller only | | |
| A18105 | Smart Controller only | | |
| A18106 | Base Station | | |
| A80355 | Black Bezel for i50/60/70/Pilots (eS / AXIOM style) | | |
| R70663 | Black Suncover i50/i60/i70/p70/i70s/p70s (eS / AXIOM style) | | |
| R70664 | Black Suncover for p70R/p70Rs (eS / AXIOM style) | | |
| A80356 | Gunmetal Bezel for i50/60/70/Pilots (eS series style) | | |
| A80357 | Grey Suncover i50/i60/i70/p70/i70s/p70s (eS series style) | | |
| A80358 | Grey Suncover for p70R/p70Rs (eS series style) | | |
| R70368 | Black Bezel for i50/60/70/Pilots (a, c, e series style) | | |
| R22168 | Gunmetal Bezel for i50/60/70/Pilots (a, c, e series style) | | |
| R22169 | i50 / i60 / i70 / p70 Suncover (a, c, e, series style) | | |

# AUTOPILOTS

| PART NO. | DESCRIPTION | 54 | |
|----------|-------------|----|--|

## Autopilot

### ENGINE CONTROL INTERFACE & ACCESSORIES

| | | | |
|----------|-------------|----|--|
| E70227 | ECI-100 Universal Engine and Control Interface | | |
| A80649 | Volvo Penta Gateway | | |
| E70240 | Volvo Engine EVC Link Cable (1M) | | |
| E70241 | Volvo Engine Y-Loom cable | | |
| E70242 | Yamaha Command-Link Cable 1M | | |
| E70305 | Caterpillar Engine 12 Pin Link Cable (400mm) | | |
| E70260 | NMEA 2000 Devicenet male to Devicenet female cable (2m) | | |

### ROTARY DRIVE UNITS

| | | | |
|----------|-------------|----|--|
| M81135 | Type 1/12v Rotary Drive | | |
| M81136 | Type 2/12v Rotary Drive | | |
| M81137 | Type 2/24v Rotary Drive | | |

### HYDRAULIC PUMPS

| | | | |
|----------|-------------|----|--|
| E12139 | Type 0.5/12v Hydraulic Pump | | |
| M81120 | Type 1/12v Hydraulic Pump | | |
| M81121 | Type 2 /12v Hydraulic Pump | | |
| M81122 | Type 3/12v Hydraulic Pump | | |
| M81119 | Type 1/24v Hydraulic Pump | | |
| M81123 | Type 2/24v Hydraulic Pump | | |
| M81124 | Type 3/24v Hydraulic Pump | | |

### HYDRAULIC LINEAR DRIVES

| | | | |
|----------|-------------|----|--|
| E12207 | Type 2/12v Hydraulic Linear Drive | | |
| E12208 | Type 2/24v Hydraulic Linear Drive | | |
| M81202 | Type 3/12v Hydraulic Linear Drive | | |
| M81203 | Type 3/24v Hydraulic Linear Drive | | |

### MECHANICAL LINEAR DRIVE UNITS

| | | | |
|----------|-------------|----|--|
| M81130 | Type 1/12v Short Shaft Linear Drive | | |
| M81131 | Type 2/12v Short Shaft Linear Drive | | |
| M81132 | Type 2/12v Long Shaft Linear Drive | | |
| M81133 | Type 2/24v Short Shaft Linear Drive | | |
| M81134 | Type 2/24v Long Shaft Linear Drive | | |

### ACCESSORIES

| | | | |
|----------|-------------|----|--|
| D228 | Linear Feedback Fittings Pack | | |
| D250 | ST Steel Rudder Reference Ball Pin | | |
| M81166 | D.P. Check Valve | | |
| M81167 | Solenoid 12v | | |
| M81182 | 13 Tooth Sprocket | | |
| M81183 | 15 Tooth Sprocket | | |
| M81105 | Rudder Angle Transducer | | |

# Raymarine

# AUTOPILOTS

## ST1000/ST2000 TILLER

Removable Cockpit Autopilots for Tiller Steered Yachts. Tiller pilots have consistently been the world's most popular pilot.

Recommended Maximum Displacement Raymarine ST1000: 3,000kg (6,600lbs) Raymarine ST2000: 4,500kg (10,000lbs)  Remember to always take the fully laden displacement weight of your vessel into account (often 20% above the designed displacement).

| PART NO. | DESCRIPTION | |
| --- | --- | --- |
| **Autopilot** | | |
| **TILLER PILOTS** | | |
| A12004 | ST1000+ Tiller | |
| A12005 | ST2000+ Tiller | |
| **COCKPIT ACCESSORIES - TILLER** | | |
| A80737 | EV100 Tiller Drive including Installation Kit | |
| D001 | Tiller Pin (2 per Pack) | |
| D002 | Mounting Socket (2 per Pack) | |
| D003 | Pushrod Extension 25mm (1") | |
| D004 | Pushrod Extension 51mm (2") | |
| D005 | Pushrod Extension 76mm (3") | |
| D006 | Pushrod Extension 102mm (4") | |
| D007 | Pushrod Extension 127mm (5") | |
| D008 | Pushrod Extension 153mm (6") | |
| D009 | Tiller Bracket 25mm (1") | |
| D010 | Tiller Bracket 51mm (2") | |
| D011 | Tiller Bracket 76mm (3") | |
| D159 | Tiller Bracket 102mm (4") | |
| D160 | Tiller Bracket 127mm (5") | |
| D337 | ST1/2000+ Tiller Pilot Plug | |
| D338 | ST1/2000+ Tiller Pilot Socket | |
| D339 | ST1/2000+ Tiller Pilot Plug and Socket | |
| D026 | Pedestal Assembly 38mm (1.5") | |
| D027 | Pedestal Assembly 51mm (2") | |
| D028 | Pedestal Assembly 64mm (2.5") | |
| D029 | Pedestal Assembly 76mm (3") | |
| D030 | Pedestal Assembly 89mm (3.5") | |
| D031 | Cantilever Socket Assembly | |
| G004 | Tiller Arm End Cap | |
| **COCKPIT ACCESSORIES - WHEEL** | | |
| E12093 | Wheel Drive (inc. Fitting Kit) | |
| E15017 | Wheel Drive Flat Pedestal Kit | |
| E15018 | Wheel Drive GOIOT Installation Kit | |
| A18083 | Replacement belt for grey Wheel drive | |

# AUTOPILOTS

## P70RS/P70S

1. Documentation
2. Panel seal gasket
3. 400 mm (15.7 in)SeaTalkng spur cable (A06038)
4. p70s or p70Rs Pilot controller
5. Suncover
6. Spare gunmetal bezel (A80354)
7. Mounting fixings x 4

**(mm / in.)**



115mm (4.52in)
115mm (4.52in)
110mm (4.33in)
110mm (4.33in)
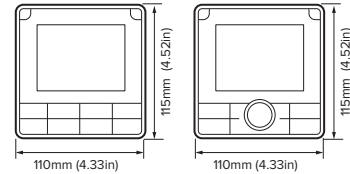
**p70s / p70Rs**

## EV1/EV2

1. Mounting trim
2. EV-1E/V-2
3. Sealing ring
4. Mounting tray
5. Sealing ring
6. Wall mounting bracket
7. Screws for deck or bracket mounting
8. Screws for wall bracket
9. Document pack
10. 10 1m(3.3ft) SeaTalk$^{ng}$ spur cable

**(mm / in.)**



128mm / 5.0in
140mm / 5.5in
34.2mm (1.34in)
93.2mm (3.66in)
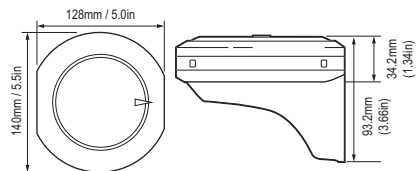
**EV-1 / EV-2**

## ACU-100/ACU-150

1. ACU unit
2. Documentation pack
3. Screws (pan head type)
4. SeaTalk$^{ng}$ spur to bare wires cable 1 m (3.3 ft)

**(mm / in.)**



140 mm (5.5 in)
180 mm (7.1 in)
52 mm (2.0 in)
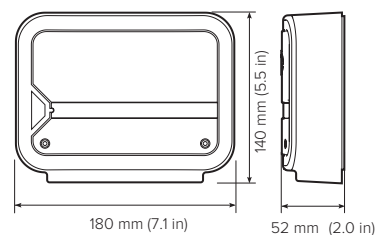
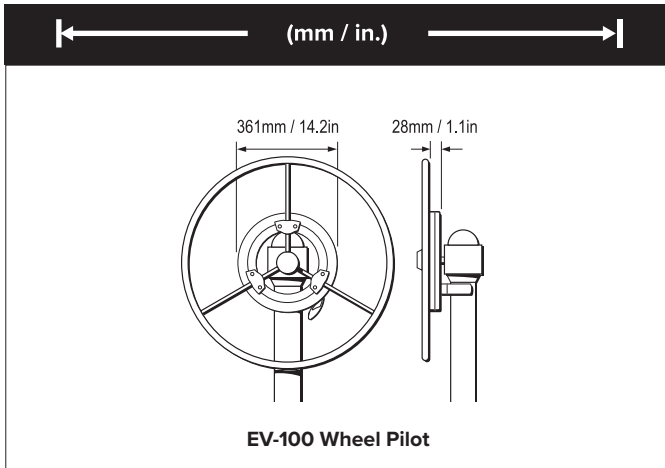**ACU-100/ACU-150**

## ACU-200 / 300 /400

1. ACU unit
2. Rudder angle reference sensor / transducer. Not supplied with all system packs. Also available separately as M81105
3. Cable ties
4. Mounting screws
5. Document pack

**(mm / in.)**



211.8mm (8.33in)
284mm (11.18in)
64.5mm (2.53in)
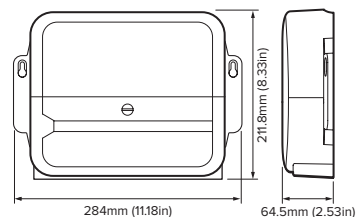
**ACU-200/300/400**

# AUTOPILOTS

361mm / 14.2in    28mm / 1.1in

**EV-100 Wheel Pilot**

460mm /18in

468mm /18.4in

44mm /1.7in

83mm /3.3in

620mm /24.5in

**EV-100 Tiller Pilot**

460mm/ 18in

445mm / 17.5in

95mm / 3.7in

73mm / 2.8in

589mm / 23.2in

**ST1000/ST2000**
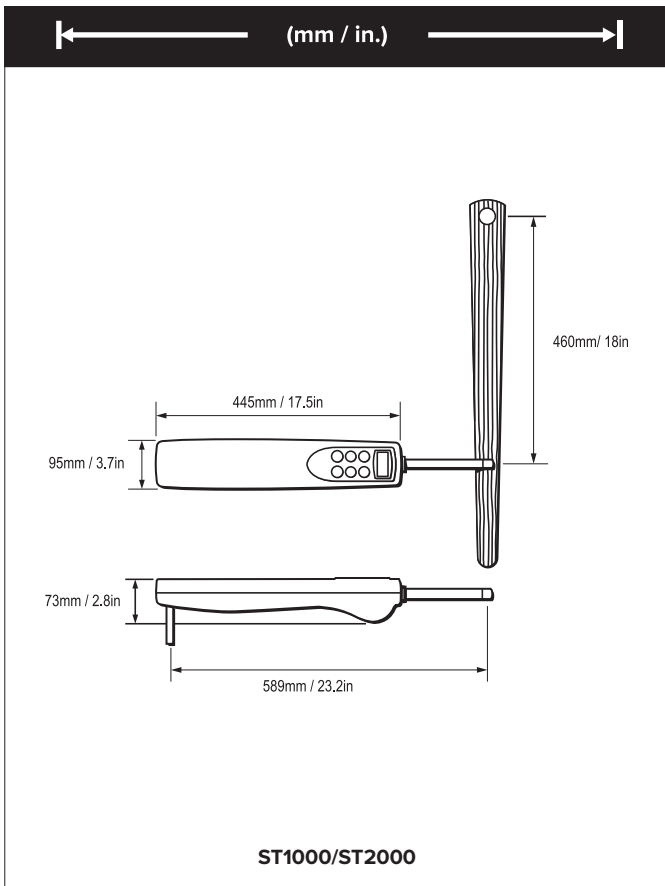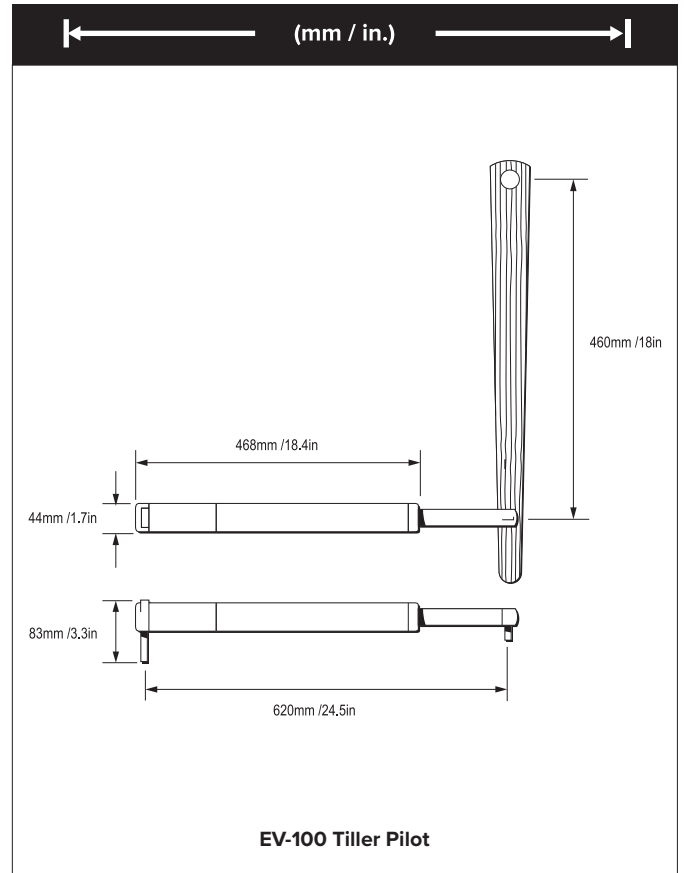
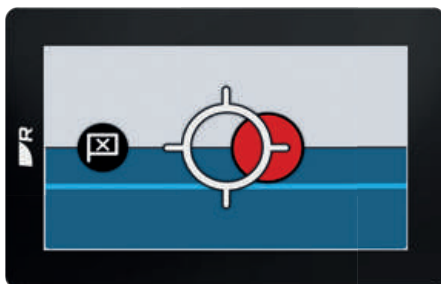# ALPHA PERFORMANCE DISPLAYS



SAILING

**DAME CATEGORY WINNER 2023**

**NEW**

The Alpha series are high-visibility touchscreen displays with fully customisable marine instrument data and graphic displays to help you make smarter sailing decisions. Designed for helm or mast mounting, the Alpha Series is customised and controlled via its touchscreen and controlled remotely from a networked Axiom Chartplotter*.

**ALPHA KEY FEATURES**
- Customisable sailing, navigation, and engine instrument displays.
- SailPoint™ mode provides you with a visual reference of target wind angle, so you achieve your maximum VMG upwind or downwind.
- Polarized sunglasses-friendly displays with extra wide viewing angles, viewable on the mast or remote location.

- Tested to the extreme and built with our exclusive HydroTough™ nano-coating that repels water and oils for reliable touchscreen control.
- Landscape or portrait mounting option.
- Single power and data cable** for fewer cables running through the deck and mast.
- Support for daisy-chaining up to 4 displays.
- Auto-dimming through an integrated ambient light sensor.
- Lockable touch screen with remote control from Axiom.
- Designed to network with Axiom chartplotters for all instrument data, transducer data, and performance sailing calculations.



* The Alpha Performance Display requires a Axiom Chartplotter (on Lighthouse 4.5 software or later) connected on the Raynet network.
** Power and data cables not included and must be purchased separately to match the installation configuration.

# ALPHA PERFORMANCE DISPLAYS

| PART NO. | DESCRIPTION | |
|---|---|---|
| **Instruments** | | |
| **Alpha PERFORMANCE DISPLAY** | | |
| E70649 | Alpha 7" Performance Display | |
| E70650 | Alpha 9" Performance Display | |
| **Alpha PERFORMANCE DISPLAY ACCESSORIES** | | |
| A80752 | Alpha Performance Display - 1m Power & Raynet Cable | |
| A80709 | Alpha Performance Display - 3m Power & Raynet Cable | |
| A80753 | Alpha Performance Display - 5m Power & Raynet Cable | |
| A80754 | Alpha Performance Display - 10m Power & Raynet Cable | |
| A80710 | Alpha Performance Display - 0.3m Daisy Chain Cable | |
| A80747 | Alpha Performance Display - 1.0m Daisy Chain Cable | |
| A80711 | Alpha 7" Performance Display Single Mast Bracket - Landscape | |
| A80712 | Alpha 7" Performance Display Dual Mast Bracket - Landscape | |
| A80713 | Alpha 7" Performance Display Single Mast Bracket - Portrait | |
| A80714 | Alpha 9" Performance Display Single Mast Bracket - Landscape | |
| A80715 | Alpha 9" Performance Display Dual Mast Bracket - Landscape | |
| A80716 | Alpha 9" Performance Display Single Mast Bracket - Portrait | |
| **RSW - Smart Wind TRANSDUCERS** | | |
| E70670 | RSW - Smart Wind Transducer, Short Arm with 30m Cable | |

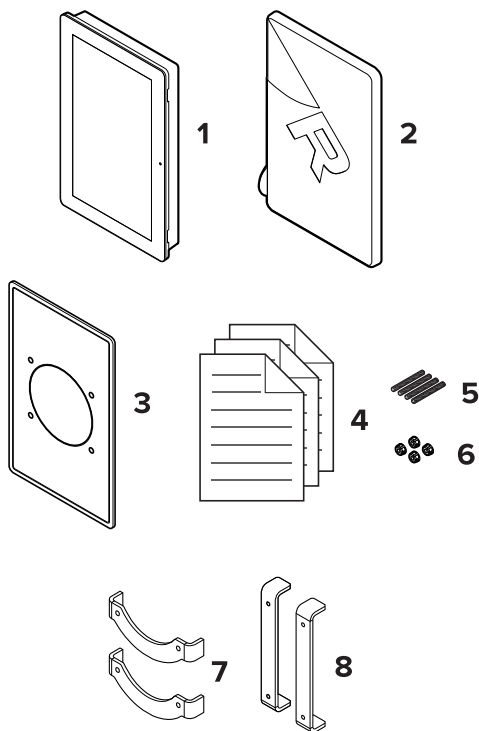A80711  A80712  A80713  A80714  A80715  A80716

Landscape and portrait orientation mast brackets are available as accessories
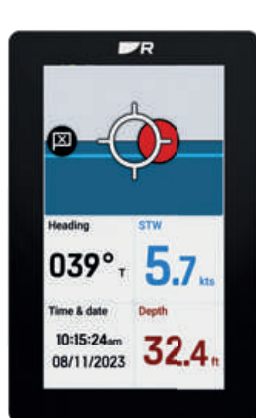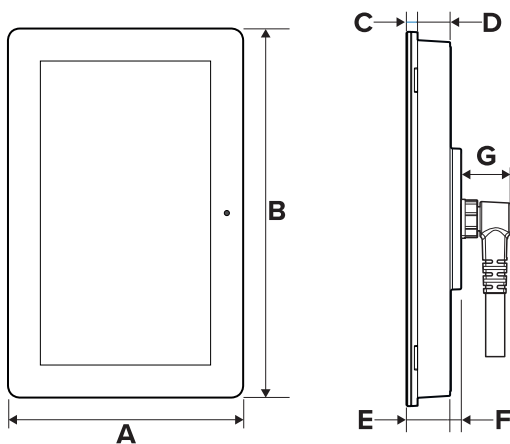
# ALPHA PERFORMANCE DISPLAYS

## ALPHA: IN THE BOX

1. Alpha Series performance display.
2. Suncover.
3. Waterproof gasket.
4. Documentation pack.
5. 4x Threaded studs, M4 x 40 mm.
6. 4x Thumb nuts.
7. Supplied with Alpha 7 only
   2x mounting brackets.
8. Supplied with Alpha 9 only
   2x mounting brackets.

## (mm / in.)

| ALPHA 7 | |
|---|---|
| A | 118.6 mm (4.67 in) |
| B | 188.4 mm (7.42 in) |
| C | 7 mm (0.28 in) |
| D | 18 mm (0.71 in) |
| E | 25 mm (0.98 in) |
| F | 7 mm (0.28 in) |
| G | 30.9 mm (1.22 in) |

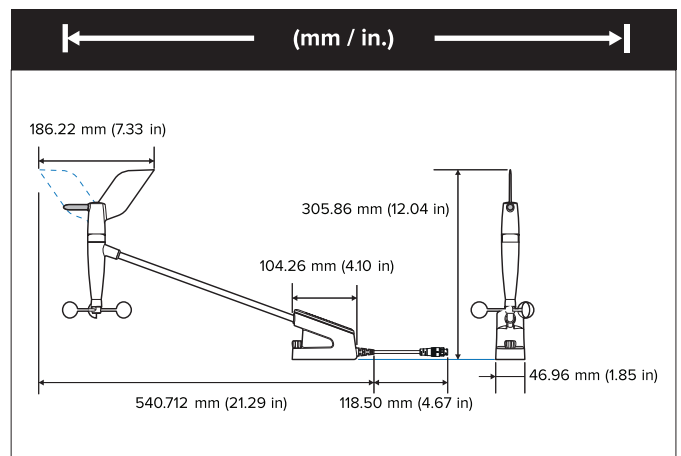| ALPHA 9 | |
|---|---|
| A | 148.9 mm (5.86 in) |
| B | 253.9 mm (9.29 in) |
| C | 7 mm (0.28 in) |
| D | 20.5 mm (0.81 in) |
| E | 27 mm (1.06 in) |
| F | 7 mm (0.28 in) |
| G | 30.9 mm (1.22 in) |

# RSW WIND TRANSDUCER



**NEW**

SAILING

The Raymarine RSW wind transducer is a professional-level wind sensor designed for leisure sailors. An all-new wind sensor design, the RSW transducer is engineered for simplicity and accuracy using an integrated 3D motion sensor and Raymarine Smart Wind™ technology to give every skipper a new level of sailing intelligence. The newly designed RSW wind sensor is a self-calibrating sensor that delivers ultra-precise wind speed and direction measurements. Sailors can take advantage of high accuracy, true wind, speed, and polar calculations to make more intelligent race and performance sailing decisions when it matters most.

**RSW TRANSDUCER KEY FEATURES**
- Experience expert-level accuracy without complicated black box processors or cumbersome calibration tables.
- Integrated 3D motion sensor (AHRS technology) accounts for vessel pitch and roll, automatically delivering improved true wind accuracy.
- Smart Wind technology delivers superior wind measurement by compensating for mast twist and bend.
- Using the 3D motion sensor, the sensor compensates for the effects of airflow and upwash against the sails, delivering stable and trusted true wind direction.
- Rotating mast compatible without any extra sensors.
- Lightweight and durable carbon fibre arm for reliable performance





(mm / in.)

186.22 mm (7.33 in)

305.86 mm (12.04 in)

104.26 mm (4.10 in)

540.712 mm (21.29 in)

118.50 mm (4.67 in)

46.96 mm (1.85 in)

# Raymarine

# INSTRUMENTS



SAILING            CRUISING            FISHING

Raymarine instruments are world renowned for accuracy, innovative features and high-performance. From the space saving i40 series to the multifunction i70s series, there are Raymarine instruments available to fit every boater's requirements.

## i40 Instrument Display

Big displays for smaller powerboats, yachts and RIBs, these compact yet powerful SeaTalk instruments offer full integration with Raymarine autopilots and navigation equipment and can be surface or trunnion-mounted.

## i50 Instrument Display

The i50 range consists of 3 digital displays: speed and depth displays with extra-large digits and a multi-line tridata unit. These stylish, dedicated-function instruments are the perfect solution for smaller power boats, yachts and RIBs.

## i60 Instrument Display

The i60 Wind Display provides analogue and digital data and calculates apparent (relative) and true wind speed/angle.

## i70s Multifunction Instrument

The new i70s Multifunction Instrument is packed full of powerful features but remains exceptionally easy to use. User-selectable data source selection allows for easy integration on multi-sensor networks.

# INSTRUMENTS

**Raymarine**

| PART NO. | DESCRIPTION | |
|---|---|---|

## Instruments

### INSTRUMENTS

| PART NO. | DESCRIPTION | |
|---|---|---|
| E70064 | i40 Depth Display | |
| E70066 | i40 Bidata Display | |
| E70058 | i50 Speed Display (Digital) | |
| E70059 | i50 Depth Display (Digital) | |
| E70060 | i50 Tridata Display (Digital) | |
| E70061 | i60 Wind Display (Analogue) | |
| E70327 | i70s Multifunction Colour Display | |

### INSTRUMENT PACKS

| PART NO. | DESCRIPTION | |
|---|---|---|
| E70142 | i40 Depth Pack, with P7 Depth Through Hull Transducer | |
| E70143 | i40 Depth Pack, with P66 Depth Transom Mount Transducer | |
| E70145 | i40 Bidata Pack, with P371 Speed/Temp & P7 Depth Through Hull Transducers | |
| E70147 | i50 Speed Pack, with P120 Retractable Speed/Temp Through Hull Transducer, (Replaced by T70583) | |
| E70148 | i50 Depth Pack, with P319 Depth Through Hull Transducer | |
| E70149 | i50 Tridata Pack, with P120 & P319 Speed/Temp/Depth Through Hull Transducers (Replaced by T70582) | |
| E70153 | i50 & i60 Wind, Speed, Depth - 3 x Instrument & 3 x Transducer Pack (Replaced by T70584) | |
| E70150 | i60 Wind Pack, with Short Arm Vane Transducer | |
| T70216 | i70s System Pack (i70s Colour instrument & Wind, DST txducers, iTC-5, 3M backbone, 5 Way Connector, STng power cable & 2 backbone terminators) | |
| T70542 | i70s System Pack (i70s Colour instrument & Wind, Depth/Temp and Speed txducers, iTC-5, 3M backbone, 5 Way Connector, STng power cable & 2 backbone terminators) (Replaced by T70586) | |

### WIRELESS INSTRUMENT PACKS

| PART NO. | DESCRIPTION | |
|---|---|---|
| T70339 | i60, Wireless Wind and backbone Kit (E70361, T120, T113-868, E70061, A06049, A06046, A06064, A06031, A06028) | |
| T70340 | i70s, Wireless Wind, DST810 and backbone Kit (E70361, T120, E70617, T113-868, E70327, A06049, A06036, A06064, A06031, A06028) | |
| T70341 | i70s, Wireless Wind, DST810, heading sensor and backbone Kit (E70361, T120, E70096, E70617, T113-868, E70327, A06049, A06036, A06064, A06031, A06028) | |
| T70342 | i70s, Wireless Vertical Wind, DST810, heading sensor and backbone Kit (E70361, T222, E70096, E70617, T113-868, E70327, A06049, A06036, A06064, A06031, A06028) | |

### ITC-5 INSTRUMENT TRANSDUCER CONVERTER & WIRELESS PUCK

| PART NO. | DESCRIPTION | |
|---|---|---|
| E70010 | iTC-5 Instrument Transducer Converter | |
| E70361 | Micro-Talk Puck - Micronet to SeatalkNG Gateway | |
| A80370 | Pole Mount for RS150 GPS Antenna / Micro-Talk Puck | |
| T70344 | Wireless Wind Kit including Heading Sensor for STNG (E70361, T120, E70096, T113-868, A06049, A06036, A06064, A06031, A06028) | |

### STNG SMART TRANSDUCERS

| PART NO. | DESCRIPTION | |
|---|---|---|
| A22112 | DT800 12° Through Hull Depth / Temperature Smart Transducer | |
| A22165 | DT800 0° Through Hull Depth / Temperature Smart Transducer | |
| E70667 | DST810 0° Through Hull Depth / Speed / Temperature 5Hz Smart Transducer with Trim & Heal and Bluetooth Wireless connectivity (new design paddle wheel) | |
| A80373 | P79S In Hull Depth Smart Transducer (NMEA 2000 DeviceNet connection) | |
| T70278 | P79S In Hull Depth Smart Transducer (NMEA 2000 with STNG adapter cable) | |

### ACCESSORIES

| PART NO. | DESCRIPTION | |
|---|---|---|
| R70112 | i40 Sun Cover | |
| A80353 | Black Bezel for i70s | |
| R70663 | Black Suncover i50/i60/i70/p70/i70s/p70s (eS / AXIOM style) | |
| A80354 | Gunmetal Bezel for i70s | |
| A80357 | Grey Suncover i50/i60/i70/p70/i70s/p70s (eS series style) | |
| A80355 | Black Bezel for i50/60/70/Pilots (eS / AXIOM style) | |
| R70368 | Black Bezel for i50/60/70/Pilots (a, c, e series style) | |
| R22168 | Gunmetal Bezel for i50/60/70/Pilots (a, c, e series style) | |
| R22169 | i50 / i60 / i70 / p70 Suncover (a, c, e, series style) | |

# INSTRUMENTS

| PART NO. | DESCRIPTION | |
|---|---|---|
| **DEPTH – TRANSDUCERS** | | |
| E26009 | P7 D Shorty™ Low Profile Through Hull Transducer | |
| M78713-PZ | P319 Low Profile Through Hull Plastic Depth Transducer 14m Cable | |
| E26030 | P17 Depth Through Hull Retractable Transducer | |
| E26027-PZ | P66 Depth Transom Mount Transducer | |
| E26001-PZ | P79 Depth In Hull Transducer | |
| E26019-PZ | B45 Depth Through Hull Transducer Stem - includes Fairing Block | |
| M78717 | B17 D Through Hull Retractable Transducer | |
| **DEPTH/SPEED/TEMPERATURE – TRANSDUCERS** | | |
| E26006-PZ | i40/50 P65 Depth, Speed, Temperatue Transom Mount Transducer | |
| A22154 | DST800 Analog out 200kHz | |
| E26028-PZ | i40/50 P66 Depth, Speed, Temperature Transom Mount Transducer | |
| A26043 | B744V Bronze Depth, Speed, Temperature Through Hull Transducer (No fairing block) | |
| A26044 | B744VL Long Stem Bronze Depth, Speed, Temperature Through Hull Transducer (No fairing block) | |
| **SPEED/TEMPERATURE – TRANSDUCERS** | | |
| E26005 | ST69 Speed/Temperature Transom Mount Transducer | |
| E26008 | P371 Speed/Temperature Shorty™ Through Hull Transducer | |
| E26031 | ST800/P120 Speed/Temperature Low Profile Retractable Through Hull Transducer - 13.7m Cable | |
| E25025 | P17 Speed/Temperature Low Profile Through Hull Retractable Transducer - 20m Cable (Replaced by E70674) | |
| M78716 | B120 Speed/Temperature Low Profile Rectractable Through Hull Transducer (Replaced by E70686) | |
| **WIND – TRANSDUCERS** | | |
| E70670 | RSW - Smart Wind Transducer, Short Arm with 30m Cable | |
| E22078 | Short Arm Vane Transducer supplied with 30m (97.5') Cable | |
| E22079 | Long Arm Vane Transducer supplied with 50m (162.5') Cable | |
| A28162 | 30m Mast Cable & Connector | |
| A28163 | 50m Mast Cable & Connector | |
| R28170 | Short Arm Wind Vane Transducer | |
| R28171 | Long Arm Wind Vane Transducer | |
| T70338 | Wireless Wind Kit for STNG (E70361, T120 & T113) | |
| Z195 | RotaVecta Transducer supplied with 20m (65') Cable | |
| **RUDDER REFERENCE - TRANSDUCERS** | | |
| M81105 | Rudder Angle Transducer | |

# INSTRUMENTS

## i50 / i60 : IN THE BOX
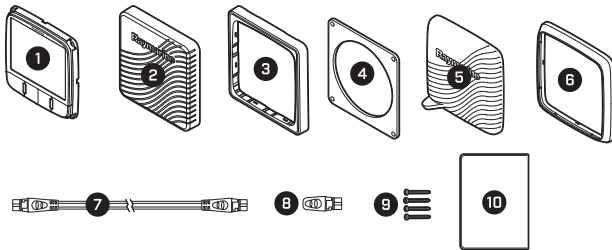


1. i50 / i60 Instrument display
2. Suncover (to match i70s, p70s, p70Rs, eS Series)
3. Front bezel (to match i70s, p70s, p70Rs, eS Series)
4. Gasket
5. Suncover (to match a, c, e Series)
6. Front bezel (to match a, c, e Series)
7. 400 mm (15.7 in) SeaTalkng ® spur cable
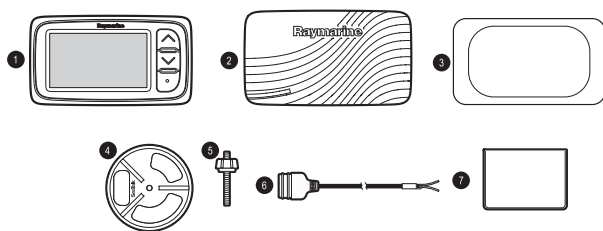8. Termination
9. Screws
10. Documentation

## i70s : IN THE BOX
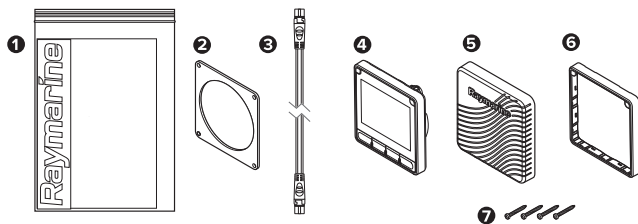


1. Documentation
2. Panel Seal Gasket
3. 400mm (15.7in) SeaTalkng® spurcable (A06038)
4. i70s Instrument Display (supplied with keymat and black bezel (A80353) fitted)
5. Suncover (A80357)
6. Spare gunmetal bezel (A80354)
7. Mounting screws x4

## i40 : IN THE BOX



1. i40 Instrument
2. i40 Sun cover
3. Mounting gasket
4. Clamping bracket
5. Fixing stud and thumb nut
6. SeaTalk power cable 1m (3ft)
7. Document pack

## (mm / in.)



i40 — 128mm (5.03"), 72mm (2.83")
i50 / i60 — 110mm (4.33"), 115mm (4.52")
i70s — 110mm (4.33"), 115mm (4.52")
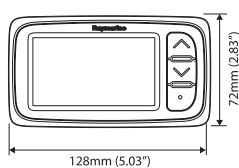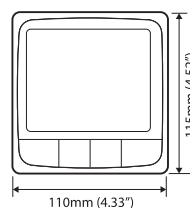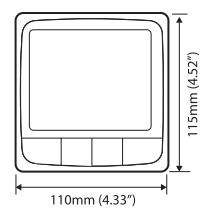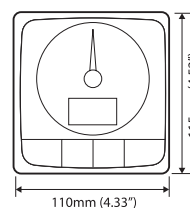
# WIRELESS INSTRUMENTS

SAILING

CRUISING

You need instant access to accurate data and displays that are absolutely reliable. Raymarine Wireless instruments display all the data you'll need and there are no wires running through your hull or down your mast.

## Micro-Talk Gateway

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.

## Wireless for Cruising

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.

## Wireless For Racing

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 hand-held options ensure you have the data you need, where you want to see it.

## Race Compass

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.

| PART NO. | DESCRIPTION | |
|---|---|---|
| **Wireless Instruments** | | |
| **MICRONET WIRELESS DISPLAYS** | | |
| T110-868 | Wireless Multi Digital Display | |
| T111-868 | Wireless Multi Dual Digital Display | |
| T112-868 | Wireless Multi Analogue Display | |
| T113-868 | Wireless Multi Remote Display | |

# Raymarine

# WIRELESS INSTRUMENTS

| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **MICRONET WIRELESS CRUISING SYSTEMS** | | |
| T100-868 | Wireless Speed & Depth System | |
| T101-868 | Wireless Multi Wind System | |
| T163-868 | Wireless Power Boat System with Transom Triducer | |
| T103-868 | Wireless Speed & Depth System with Triducer | |
| T108-868 | Wireless Wind, Speed & Depth System with Triducer | |
| T104-868 | Wireless Wind, Speed, Depth & NMEA System | |
| T106-868 | Remote Display Starter System | |
| **MICRO COMPASS AND ACCESSORIES** | | |
| T061 | Micro Compass System - Includes Micro Compass and Strap Bracket | |
| T060 | Micro Compass | |
| T004 | Deck Bracket | |
| T005 | Strap Bracket | |
| T006 | Long Slug Bracket | |
| T008 | Cat Pole Bracket | |
| **MICRONET WIRELESS RACING PRODUCTS** | | |
| T070-868 | Micronet Race Master | |
| T074-868 | Micronet Race Master System and Transducer | |
| T075-868 | Micronet Race Master System, Triducer and Solar Panel | |
| T210 | Wireless Multi Maxi display | |
| T215 | Wireless Multi Dual Maxi Display | |
| T222 | Wireless Vertical Wind Transmitter | |
| T221 | Mast Rotation Transmitter | |
| PP30-868 | Performance Pack 30 (wind, speed, depth & compass txducers, 2-up mast bracket, NMEA interface, dual, maxi, dual maxi, & remote control displays) | |
| PP40-868 | Performance Pack 40 (wind, speed, depth & compass txducers, 3-up mast bracket, NMEA interface, dual, 3 x maxi, & remote control displays) | |
| PP50-868 | Performance Pack 50 (vertical wind, speed, depth & compass txducers, 3 up mast bracket, NMEA interface, dual, 3 x maxi, & remote control displays) | |
| **MICRONET COMPONENTS AND ACCESSORIES** | | |
| E70361 | Micro-Talk Puck - Micronet to SeatalkNG Gateway | |
| A80370 | Pole Mount for RS150 GPS Antenna / Micro-Talk Puck | |
| T70338 | Wireless Wind Kit for STNG (E70361, T120 & T113) | |
| T137 | Slug Mast Bracket 1 up (Digital, Dual, Analogue Range) | |
| T231 | Mast Bracket 1 up (for Maxi, Dual Maxi or Race Master) | |
| T232 | Mast Bracket Maxi 2 up (for Maxi, Dual Maxi or Race Master) | |
| T234 | Mast Bracket Maxi 3 up (for Maxi, Dual Maxi or Race Master) | |
| T909 | Compass Transducer | |
| T120 | Wind Transmitter | |
| T121 | Hull Transmitter | |
| T122 | Wireless Interface | |
| T138 | External Solar Panel (9V) - 108mm x 108mm | |
| T235 | Carbon Black Bezel for T110, T111, T112 | |
| T910 | Triducer (Speed, Depth and Temperature in One, Retractable - 50m range) | |
| T911 | Speed Transducer (Speed and Temperature, Retractable with Flap Valve) (Replaced by E70687) | |
| T912 | Depth Transducer (Depth, Retractable - 80m Range) | |
| T942 | Bronze Fitting for Long Body Transducer | |
| T943 | Flush Fitting for Long Body Transducer | |
| T139 | Alarm Booster | |
| T050 | Large Deck Bracket | |
| T905 | Depth transducer (50mm through/in hull) | |
| T908 | GPS Antenna with NMEA 0183 output | |
| TA900 | Paddle Wheel Replacement Kit for T911 | |
| TA106 | Instrument Cover for Digital, Dual Digital or Analogue Displays | |

# THERMAL CAMERAS

SAILING          CRUISING          FISHING

Teledyne-FLIR maritime thermal imaging cameras turn night into day, keeping you safe and secure and letting you boat with confidence. From small boats to superyachts, FLIR offers leading-edge thermal cameras that are rugged, reliable and straightforward to use.

### FLIR MTMS

Keep a watchful eye on such critical equipment as engines, exhaust manifolds, and shaft bearings to spot problems before they leave you stranded on the water.

### FLIR M232

Our smallest and most affordable pan and tilt marine thermal night vision camera. Using our latest generation Boson™ thermal core, the M232 lets boaters see at night in 320 x 240 thermal resolution and also features 2x digital zoom.

### FLIR M300 SERIES

The M300 Series sets a new standard for safe marine navigation and situational awareness. Applying enhanced stabilization technology to high-performance visible, thermal, or multispectral imaging, M300 Series marine cameras deliver unwavering vision in high-stakes environments.

# THERMAL CAMERAS

| PART NO. | DESCRIPTION | | |
|----------|-------------|---|---|
| **Thermal Cameras** | | | |
| **AX8 ENGINE ROOM CAMERA** | | | |
| E70321 | AX8 Thermal and Visible Imaging Camera for temperature measurement | | |
| 261-2319-00 | AX8 RAM Mount Kit | | |
| **M SERIES PAN & TILT THERMAL CAMERAS** | | | |
| E70354 | M232 Thermal IP Camera (320 x 240, 9Hz) with Pan, Tilt and electronic zoom | | |
| **M SERIES STABILISED PAN & TILT VISIBLE / THERMAL CAMERAS** | | | |
| E70605 | M300C Stabilized Pan & Tilt Visible IP Camera with 30X Optical Zoom | | |
| E70528 | M332 Stabilised Pan & Tilt Thermal IP Camera (320 x 256, 24° FoV) with electronic zoom | | |
| E70526 | M364 Stabilised Pan & Tilt Thermal IP Camera (640 x 512, 24° FoV) with electronic zoom | | |
| E70519 | M364C Stabilised Pan & Tilt Thermal IP Camera (640 x 512, 24° FoV) with electronic zoom and Colour Low Light Camera with 30X electronic zoom | | |
| E70521 | M364C LR Stabilised Pan & Tilt Thermal Long Range IP Camera (640 x 512, 18° FoV) with electronic zoom and Colour Low Light Camera with 30X electronic zoom | | |
| **ACCESSORIES** | | | |
| T70477 | JCU1 PoE Injector Kit (includes JCU1, weather cover, mounting hardware, PoE Injector and 25ft Ethernet RJ-45 to RJ-45 Cable) | | |
| T70478 | JCU2 PoE Injector Kit (includes JCU2, mounting hardware, PoE Injector and 25ft Ethernet RJ-45 to RJ-45 Cable) | | |
| A80510 | M200/M300 Joystick Control Unit (JCU3) | | |
| E70537 | AR200 IP Camera Stabilisation Module, for Augmented Reality | | |
| A80667 | M300 0.5m Cable Kit | | |
| A80696 | M300 3m Cable Kit | | |
| A80664 | M300 10m Cable Kit | | |
| A80437 | RS150/MicroTalk Puck Clamshell Riser Mounting Kit | | |
| A80370 | Pole Mount for RS150 GPS Antenna / Micro-Talk Puck | | |
| A80511 | M232 Right Angle Single Keyway Power Cable, 10m | | |
| A80512 | Raynet Right Angle (F) to Raynet Straight (F) cable - 10m | | |
| A80513 | Adaptor, Raynet to RJ45 Cable, 100mm | | |
| A80509 | Top Down Riser, M100, M200 | | |
| A80643 | M300 Gasket Set for the Top-Down Riser | | |
| A80641 | M300 Top-Down Riser Kit including Gaskets, Nuts & Bolts | | |
| A80508 | IP to Analog Video Decoder | | |
| 4230175 | 8-Port Industrial Power Over Ethernet Unmanaged Switch | | |
| **CAMERA MOUNTS** | | | |
| A80571 | M232 Thermal Camera Mast Mount Bracket | | |

# THERMAL CAMERAS



## MTMS: IN THE BOX
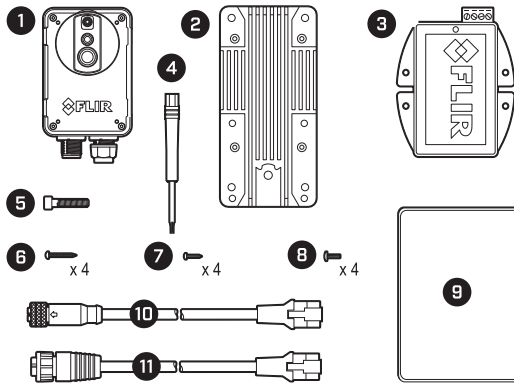
1. MTMS thermal camera
2. Cooling bracket
3. PoE injector (Refer to the 'Potential ignition source' warning)
4. T6 Torx driver
5. 1 x 1/4" – 20 x 30 mm Hex bolt (for fitting cooling bracket to the optional mounting bracket: R70375.)
6. 4x No.6 x 25 mm screws (for surface mounting cooling bracket / camera assembly)
7. 4x PT 22x8 T6 torx screws (to fit cooling bracket to camera.)
8. 4x 10–32UNF 1/2" hex bolts (for fitting cooling bracket to the optional RAM® mount 261–2288–00)
9. Documentation
10. 5 m (16.4 ft) Ethernet cable (M12 X—coded to RJ45) (for connecting camera to PoE injector)
11. 3 m (9.84 ft) RayNet to RJ45 adaptor cable (for connecting PoE injector to Raymarine MFD or network switch)

## M2XX SERIES: IN THE BOX
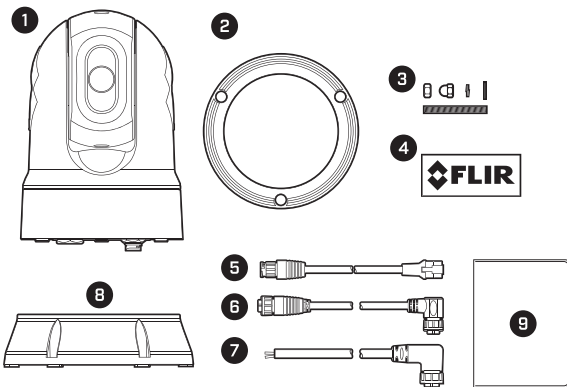


1. Thermal camera
2. Thermal camera base-seal
3. 3 x thermal camera fasteners: nuts, dome nuts, spring washers, flat washers, and threaded studs
4. 2 x Self-adhesive decals (for ball-down mounting only)
5. RayNet-to-RJ45 adapter cable (100 mm)
6. Right-angled RayNet-to-RayNet cable (10 m)
7. Right-angled 3-pin power cable (10 m)
8. Top-down riser kit (includes riser, riser base seal, and riser mounting template)
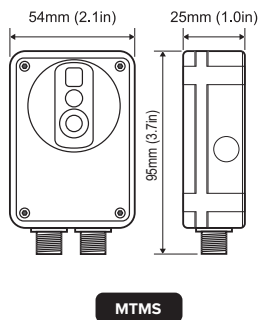9. Documentation pack

# THERMAL CAMERAS

## M3XX SERIES: IN THE BOX
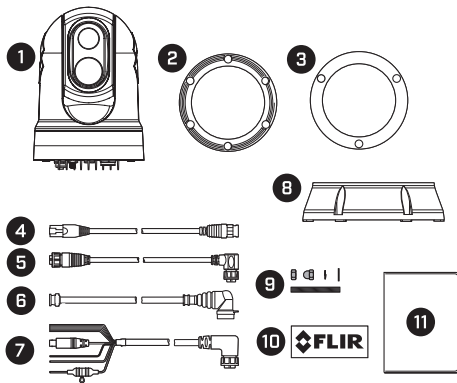
1. M300 Camera
2. Camera base-seal
3. Camera gasket
4. RayNet-to-RJ45 adaptor cable 120 mm (4.72 in.)
5. Right-angled RayNet-to-RayNet cable 3 m (9.8 ft.)
6. Right-angled HD-SDI video cable (with BNC connectors) 3 m (9.8 ft.)
7. Right-angled power/NMEA 0183/video cable 3 m (9.8 ft.)
8. Mounting riser
9. 3x camera fixings: nuts, dome nuts, spring and flat washers, threaded studs
10. 2 x self-adhesive decals (for ball-down mounting only)
11. Documentation pack

## (mm / in.)

54mm (2.1in)  25mm (1.0in)

95mm (3.7in)

**MTMS**

229.3mm (9.03")

161.1mm (6.34")

**M232**

328.3 mm (12.9 in)

222.2 mm (8.7 in)

**M3XX**
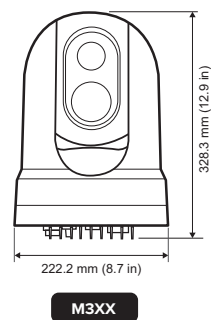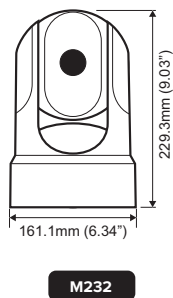
# VIDEO CAMERAS

**NEW**

SAILING　　　CRUISING　　　FISHING

The CAM300 mini day/night IP camera is a wide field-of-view visible camera designed for Raymarine Axiom chartplotters. Equipped with an HD video sensor, the CAM300 transforms Axiom into a powerful onboard video observation system. Use the CAM300 to monitor blind spots, check in on the crew, or watch and record all fishing action from the helm. Combine the CAM300 with the Raymarine AR200 sensor and make smarter navigation decisions using ClearCruise augmented reality to overlay AIS targets, waypoints and chart objects on the Axiom video display.

- View up to 4 CAM300 video streams simultaneously on a single Axiom display
- 3MP CMOS sensor delivers up to 1080p resolution
- Built-in infrared emitters for excellent near-field low light visibility up to 33 ft (10 meters)
- Image flip and invert functions for ball-up/ball-down installation and reverse video

- ONVIF Profile S compatible for compatibility with security system applications
- Easy to install with either direct 12-volt connection or single cable Power over Ethernet (POE)
- Rugged IP66 enclosure for below and above deck marine installations

| PART NO. | DESCRIPTION | |
|---|---|---|
| **Day & Night Video Cameras** | | |
| **DAY AND NIGHT IP VIDEO CAMERA** | | |
| E70346 | CAM210 Bullet CCTV Day and Night Video Camera (IP Connected) | |
| E70347 | CAM220 Eyeball CCTV Day and Night Video Camera (IP Connected) | |
| E70660 | CAM300 Eyeball CCTV Day and Night Video Camera (IP Connected) | |
| 4115028 | Weather proof Ethernet coupler | |
| A62360 | RayNet (F) to RJ45 (M) cable - 1m | |
| A80151 | RayNet (F) to RJ45 (M) cable - 3m | |
| A80159 | RayNet (F) to RJ45 (M) cable - 10m | |
| 4113746 | 12/24V Power over Ethernet Injector | |

# Raymarine

# VIDEO CAMERAS

## CAM300: IN THE BOX
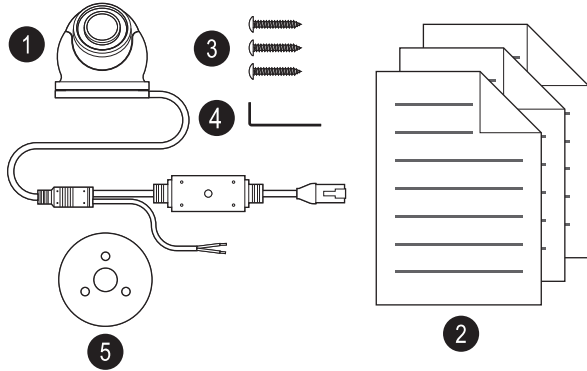
1. CAM300 camera
2. Documentation
3. Mounting screws x3
4. Hex wrench (Allen key)
5. Waterproof gasket

## (mm / in.)

59 mm / 2.32 in

53 mm / 2.1 in

23.5 mm / 0.93 in

69.5 mm / 2.74 in

670 mm / 2.2 ft
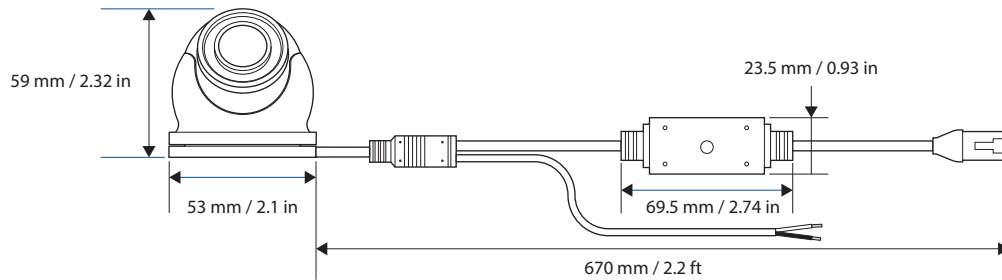
# CLEARCRUISE AR



SAILING          CRUISING          FISHING

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



### 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.
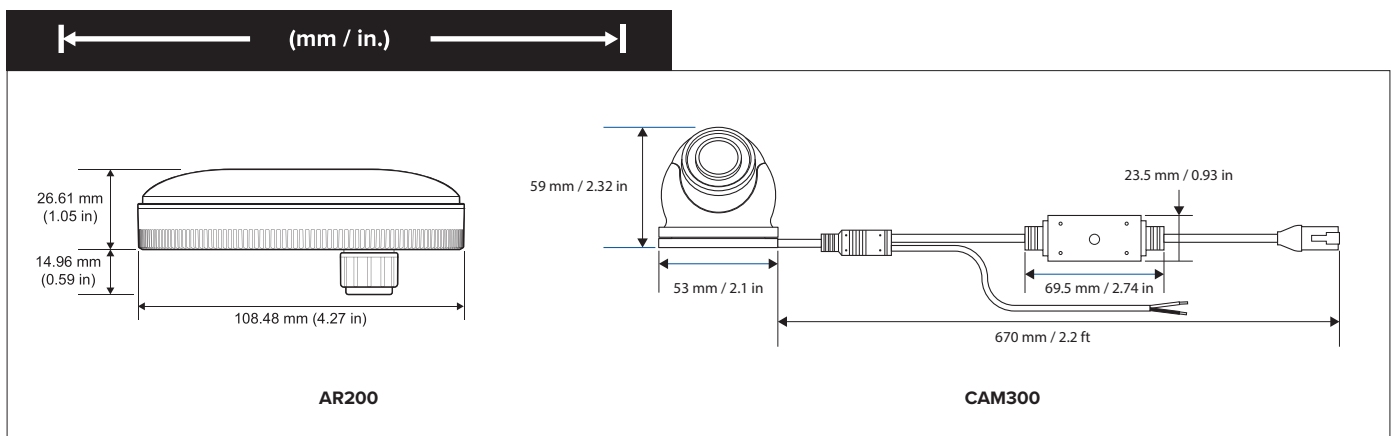


### See Waypoints in the Real World

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.

# CLEARCRUISE AR

| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **AUGMENTED REALITY** | | |
| T70453 | Augmented Reality Pack including CAM220 Eyeball camera, AR200, STNG 1m Backbone, T-piece & 10m Raynet Cable | |
| T70452 | Augmented Reality Pack including CAM210 Bullet camera, AR200, STNG 1m Backbone, T-piece & 10m Raynet Cable | |
| T70581 | Augmented Reality Pack including CAM300 Eyeball camera, AR200, STNG 1m Backbone, T-piece & 10m Raynet Cable | |
| E70537 | AR200 IP Camera Stabilisation Module, for Augmented Reality | |

**(mm / in.)**

26.61 mm (1.05 in)

14.96 mm (0.59 in)

108.48 mm (4.27 in)

**AR200**

59 mm / 2.32 in

53 mm / 2.1 in

23.5 mm / 0.93 in

69.5 mm / 2.74 in

670 mm / 2.2 ft

**CAM300**

## AR200 : IN THE BOX

1. Mounting trim (Top).
2. Small sealing ring.
3. AR200.
4. 3 x large bulkhead bracket fixings (Pan head pozi DIN7981 ST 3.9x22 C Z A4 Stainless steel).
5. Mounting tray (Bottom).
6. 4 x small surface mount fixings (Pan head pozi DIN7981–ST 2.9x13 C Z A4 Stainless steel).
7. Bulkhead (Wall) bracket.
8. Large sealing ring.
9. Documentation.
10. 6 m (19.69 ft) SeaTalkng® (White) cable.

# SATELLITE TV

SAILING    CRUISING    FISHING

Raymarine's Satellite TV antennas bring the same combination of high performance and ease-of-use to your onboard entertainment that you would expect from your home entertainment system. Housed in a compact dome, our antenna systems automatically track and receive satellite TV signals in almost any conditions - guaranteed quick, clear, reliable access to hundreds of digital channels.
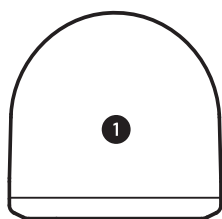
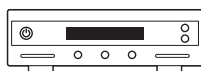| PART NO. | DESCRIPTION | |
|---|---|---|
| **Satellite TV** | | |
| **33STV, 37STV, 45STV AND 60STV SATELLITE TV ANTENNAS** | | |
| E70454 | 33STV - 33cm Satellite TV System for Europe, Brazil & Mexico | |
| E70457 | 37STV - 37cm Satellite TV System for Europe, Brazil & Mexico | |
| E70462 | 45STV - 45cm Satellite Antenna System for Europe, Brazil & Mexico | |
| E70466 | 45STV – 45cm Satellite TV Antenna System with Auto Skew for Europe | |
| E70473 | 60STV - 60cm Satellite TV Antenna System for Europe, Middle East, Brazil & Mexico | |
| **OTHER SATELLITE TV** | | |
| E70453 | 33STV - 33cm Satellite TV Antenna System Americas | |
| E70456 | 37STV - 37cm Satellite TV Antenna System Americas | |
| E70461 | 45STV - 45cm Satellite TV Antenna HD System Americas | |
| E70471 | 60STV - 60cm Satellite TV Antenna HD System Americas | |
| E70455 | 33STV - 33cm Satellite TV System for New Zealand | |
| E70458 | 37STV - 37cm Satellite TV System for New Zealand | |
| E70459 | 37STV - 37cm Satellite TV System for Australia (replaces E42192-2) | |
| E70460 | 37STV - 37cm Satellite TV System for China inc SAT9 | |
| E70463 | 45STV – 45cm Satellite TV Antenna System for New Zealand | |
| E70464 | 45STV - 45cm Satellite TV Antenna System for Australia | |
| E70468 | 45STV – 45cm Satellite TV Antenna System for China inc SAT9 | |
| E70474 | 60STV - 60cm Satellite TV Antenna System for China and New Zealand | |
| E70475 | 60STV - 60cm Satellite TV Antenna System Gen 2 for Australia | |

# Raymarine

# SATELLITE TV

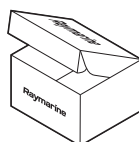| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **SATELLITE TV ACCESSORIES** | | |
| E42172 | 33STV Empty Dome and Baseplate | |
| E96016 | 37STV Empty Dome and Baseplate | |
| E96009-V | 45STV Empty Dome and Baseplate | |
| E96013 | 60STV Empty Dome and Baseplate | |
| E96007 | Power/Data Cable – ACU to the Antenna 30m | |
| E96008 | RF Cable 30m | |

## 33STV / 37STV / 45STV / 60STV

1. STV dome
2. Antenna Control Unit (ACU)
3. Accessories pack

## (mm / in.)

370mm (14.5")
380mm (15")
144mm (5.7")

430mm (16.9")
440mm (17.3")
141mm (5.5") x 233mm (9.2")

500mm (19.7")
530mm (20.9")
324mm (12.7")

698mm (17")
710mm (27.95")
303mm (11.93")

# Raymarine
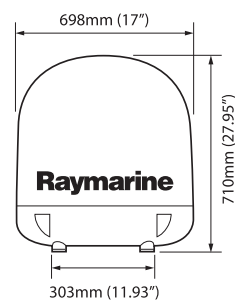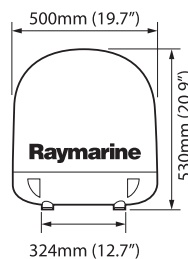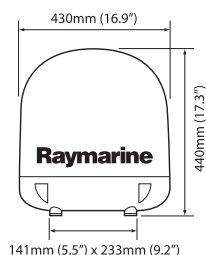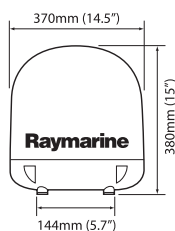
# AIS

|  |  |
|---|---|
| SAILING | CRUISING |
|  | FISHING |

AIS (Automatic Identification System) systems enable the wireless exchange of navigation status between vessels and shore-side traffic monitoring centres. Commercial ships, ocean-going vessels and recreational boats equipped with AIS transceivers broadcast AIS messages that include the vessel's name, course, speed and current navigation status.

### AIS700 AIS TRANSCEIVER

The AIS 700 is a Class B Transceiver featuring the latest SO-TDMA Technology. Complete with an internal antenna splitter that allows the AIS to share the antenna with the VHF.

### AIS4000 AIS TRANSCEIVER

The AIS4000 boasts a high definition colour display for quick access to integrated charts, alarms, and tracking. Additional support for wired and wireless networking with shipboard systems make AIS4000 a premier SOLAS and Inland Waterway-certified Class A transceiver.

| PART NO. | DESCRIPTION |  |
|---|---|---|
| **Automatic Identification Systems - AIS** | | |
| **Automatic Identification Systems - AIS** | | |
| E70476 | AIS700 Class B Transceiver with integrated splitter | |
| **Automatic Identification Systems - AIS Class A** | | |
| E70601 | AIS4000 Transponder Bundle | |
| **ACCESSORIES** | | |
| A80586 | AIS 4000/5000 mounting bracket | |
| A80587 | AIS4000 / AIS5000 POWER CABLE | |
| A80588 | AIS4000 / AIS5000 JUNCTION BOX | |
| A80589 | GPS & Glonass antenna (AXIOM Pro, AXIOM XL & AIS 4000/5000) | |
| A80590 | AIS 4000/5000 VHF Antenna (and fixings) | |
| A80593 | AIS 4000/5000 Junction Box Data Interface Cables | |
| A80594 | AIS 4000/5000 "Silence" push switch | |
| A80597 | VHF Connector (PL-259 - Male) | |
| A80598 | VHF Connector (PL-259 - Female) | |
| A80599 | GPS Connector (TNC - Male) | |
| A80600 | GPS Connector (TNC - Female) | |
| A06045 | DeviceNet (Female) to STNG Spur (Female) Adaptor Cable (400mm) | |

# Raymarine

# AIS

## AIS700: IN THE BOX
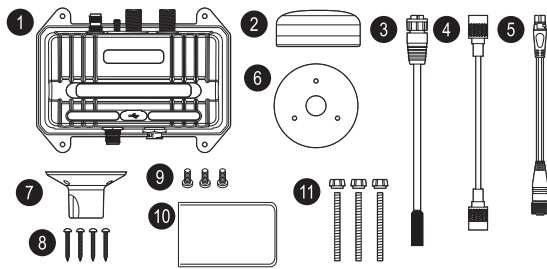
1. Transceiver
2. GNSS Antenna with Cable 2m
3. Power / Data Cable
4. VHF Radio Cable 1m
5. DeviceNet to SeaTalk$^{ng}$ adaptor cable
6. GNSS Antenna Gasket
7. GNSS Antenna Pole Mount
8. AIS Unit Fixings
9. Screws
10. Documentation
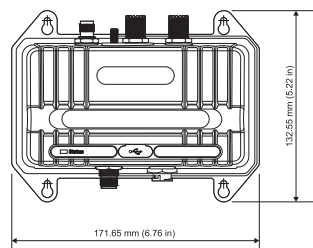11. Fixings for optional surface mounting GNSS antenna
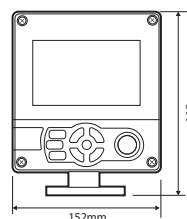
## AIS4000: IN THE BOX
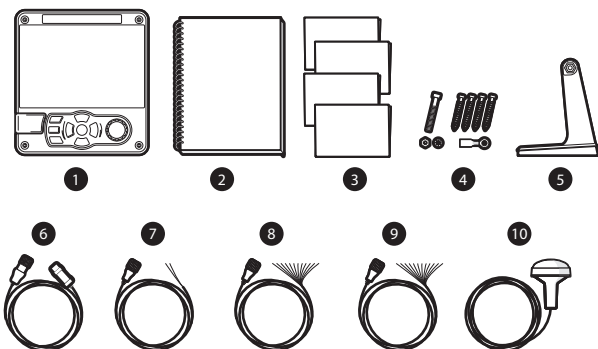
1. AIS transceiver
2. Product Manual
3. Documentation Pack
4. Fixings
5. Mounting Bracket
6. STng to DeviceNet cable
7. Power cable
8. 14 way data cable
9. 18 way data cable
10. GNSS Antenna Cable Assy

## (mm / in.)

132.55 mm (5.22 in)
171.65 mm (6.76 in)

**AIS700**

165mm
152mm

**AIS4000**

# VHF COMMUNICATIONS



SAILING          CRUISING          FISHING

From compact VHF Radios to the ultimate all-in-one communications solution - we have a VHF Radio for every boater! You'll always be heard loud and clear with a VHF Radio from Raymarine. Whether it's our new compact Ray53, full-sized Ray63, or multifunction Ray73, you can depend on your Raymarine VHF Radio for years of trouble-free communication at sea.

## RAY53

Raymarine's Ray53 radio is small in size but big on features and performance. Ray53 is a full-function VHF marine radio with Class D Digital Selective Calling (DSC) and a built-in GPS receiver.

## RAY63

The Ray63 offers reliable VHF performance, multi-station control, and intercom capability using optional RayMic wireless and wired controllers. The Ray63 has a built-in GPS receiver and features Class D Digital Selective Calling (DSC).

## RAY73

The Ray73 has all of the features, performance, and remote options as the full-sized Ray63 plus an integrated AIS receiver. NMEA0183 and NMEA2000 ports allow the Ray73 to network with chartplotters for AIS and DSC functions.

## RAY90

Raymarine's fixed mount Ray90 modular VHF radio bring multi-station communications to a whole new level of power, performance and flexibility. The Ray90 is a black-box design with a transceiver that hides out of sight under your helm, in a locker, or just about anywhere.

## RAY91

In addition to being a full featured VHF radio system, the Ray91 also has a built-in Automatic Identification System (AIS) receiver. Ray91 can receive the navigation and safety broadcasts from nearby AIS-equipped vessels and share them with your compatible MFD, chartplotter, radar and instruments.

# VHF COMMUNICATIONS

| PART NO. | DESCRIPTION | | |
|---|---|---|---|
| **VHF Radios** | | | |
| **VHF Radios** | | | |
| E70524 | Ray53 VHF Radio with Integrated GPS receiver | | |
| E70516 | Ray63 VHF Radio (optional 2nd handset) with Integrated GPS receiver | | |
| E70517 | Ray73 VHF Radio (optional 2nd handset) with Integrated GPS and AIS receiver | | |
| E70492 | Ray 90 VHF Black Box (inc wired handset, passive speaker and cable) | | |
| E70493 | Ray 91 VHF Black Box with AIS Rx (inc wired handset, passive speaker and cable) | | |
| T70424 | Ray 90 VHF Black Box with AIS 700 Tx & Rx (inc wired handset, passive speaker and cable) | | |
| **VHF RADIOS ACCESSORIES** | | | |
| T70469 | Ray 63/73 Wireless 1st Station including Wireless Handset, Wireless Hub, Active Speaker & adaptor cable | | |
| T70433 | Ray 90/91 Wireless 1st Station including Wireless Handset, Wireless Hub and Active Speaker | | |
| T70434 | Ray 63/73/90/91 Wireless 2nd Station including Wireless Handset and Active Speaker | | |
| T70432 | Ray 63/73/90/91 Wired 2nd Station including Raymic Handset, Y-cable, Passive Speaker & 10m cable | | |
| A80540 | Ray 63/73/90/91 Wireless Hub | | |
| A80541 | Ray 63/73/90/91 Wireless Hub Aerial extension (5m) | | |
| A80542 | Ray 63/73/90/91 Passive Speaker | | |
| A80543 | Ray 63/73/90/91 Active Speaker | | |
| A80544 | Ray 63/73/90/91 Wireless Handset (inc Holster/Charger) | | |
| A80289 | Ray 63/73/90/91 Raymic Handset (without cable) | | |
| A80291 | Ray 63/73/90/91 Raymic 5m Extension Cable | | |
| A80292 | Ray 63/73/90/91 Raymic 10m Extension Cable | | |
| A80290 | Ray 63/73/90/91 Raymic 15m Extension Cable | | |
| A80296 | Fistmic Adaptor Cable (12 pin to 8 pin) 400mm | | |
| A80297 | Handset Adaptor cable (12 pin to 12 pin) with passive spk output (400mm) | | |
| A80333 | Black Bezel for Ray 63/73 | | |
| R70739 | Wireless adaptor cable (Ray63/73) 220mm | | |
| R70484 | VHF Handset Hanger | | |
| M95435 | External Hailing Horn Speaker | | |

# VHF COMMUNICATIONS

## RAY53: IN THE BOX
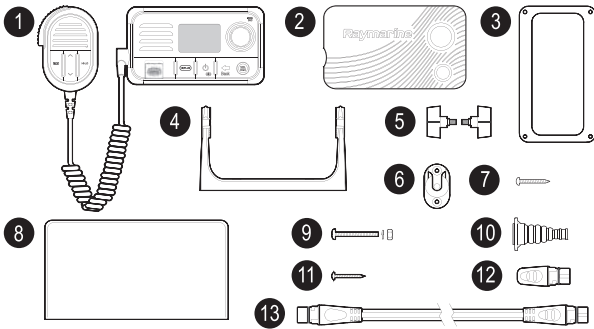
1. VHF Radio
2. Sun cover
3. Panel mount gasket
4. Mounting bracket (Trunnion)
5. Mounting bracket knobs
6. Fistmic hook plate
7. 4 x M4x25 screws (For Bracket (Trunnion) mounting)
8. Documentation
9. 4 x M4 nuts, spring washers and M4x25 machine screws (For Panel mounting)
10. Protective antenna boot
11. 2 x M4x12 screws (For Fistmic hook plate mounting).
12. SeaTalkng ® blanking plug
13. SeaTalkng ® 400 mm (15.7 in.) spur cable

## RAY63/73: IN THE BOX
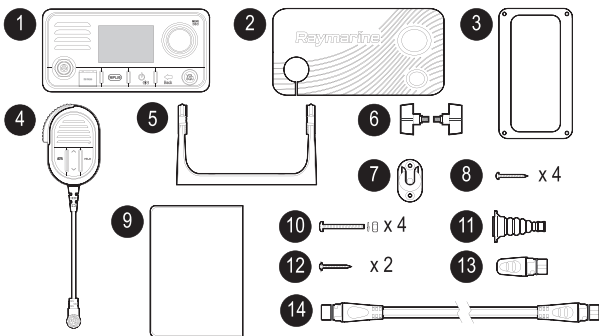
1. VHF Radio
2. Sun cover
3. Panel mount gasket
4. Fistmic
5. Mounting bracket (Trunnion)
6. Mounting bracket knobs
7. Fistmic hook plate
8. 4 x M4x25 screws (For Bracket (Trunnion) mounting)
9. Documentation
10. 4 x M4 nuts, spring washers and M4x25 machine screws (For Panel mounting)
11. Protective antenna boot
12. 2 x M4x12 screws (For Fistmic hook plate mounting)
13. SeaTalkng ® blanking plug
14. SeaTalkng ® 400 mm (15.7 in.) spur cable

# VHF COMMUNICATIONS
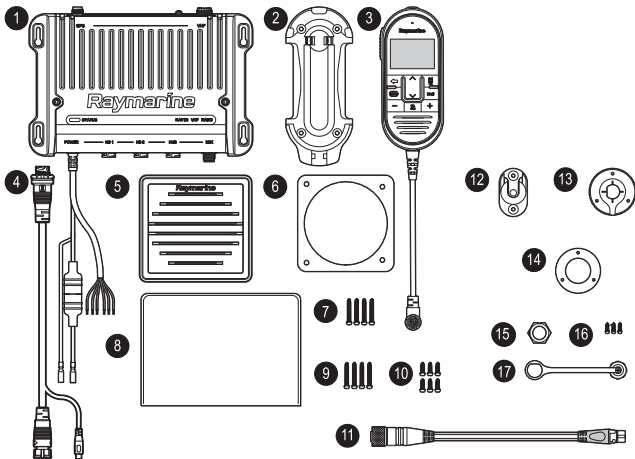
1.  Ray90 / Ray91 VHF DSC Radio base station (including fitted power and data cable)
2.  Wired handset holster
3.  Wired handset
4.  Wired handset adaptor cable with RCA Audio 400 mm (1.3 ft)
5.  Passive speaker and bezel
6.  Passive speaker mounting gasket
7.  4x M4x25 screws (for wired speaker mounting)
8.  Documentation
9.  4x M4x25 screws (For base station mounting)
10. 6x M4x12 screws (For Handset holster and hook plate mounting)
11. DeviceNet to SeaTalkng ® 1 m (3.28 ft) adaptor cable
12. Handset hook plate
13. Through panel cable mounting plate
14. Through panel cable mounting plate gasket
15. Through panel cable mounting nut
16. Through panel cable mounting plate screws x3
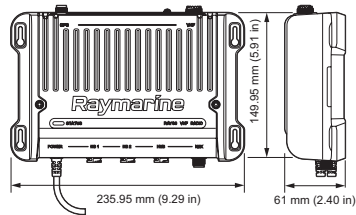17. Through panel cable mounting dust cap
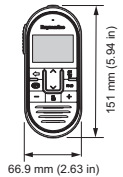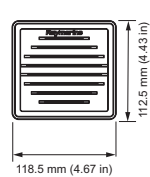
## (mm / in.)
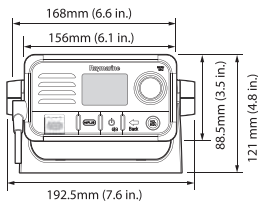


**RAY53**
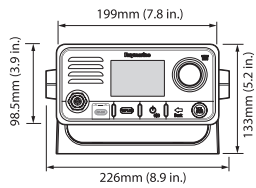
**RAY63/73**

**RAY90/91**

# NEUBOAT 360 DOCK

**NEW**

We've formed a strategic alliance with Avikus, a pioneering force in autonomous boating, to integrate Avikus NeuBoat technology into Raymarine systems. Raymarine and Avikus enhance your time on the water, ensuring you navigate and dock your boat free from unnecessary worries. The NeuBoat Dock's 360-degree surround view docking camera system for Axiom incorporates Avikus' cutting-edge autonomous technology, empowering you to dock your boat with absolute confidence.

Docking a boat can be stressful. Blind spots, wind, and currents are all conspiring against you. The Raymarine and Avikus Neuboat system makes docking effortless. Neuboat Dock delivers a 360-degree view around your vessel, eliminating blind spots so you can maneuver in tight areas and approach the dock stress-free.

**360 DEGREES OF AWARENESS**
A 6-camera system provides a 360-degree birds-eye view around the vessel.
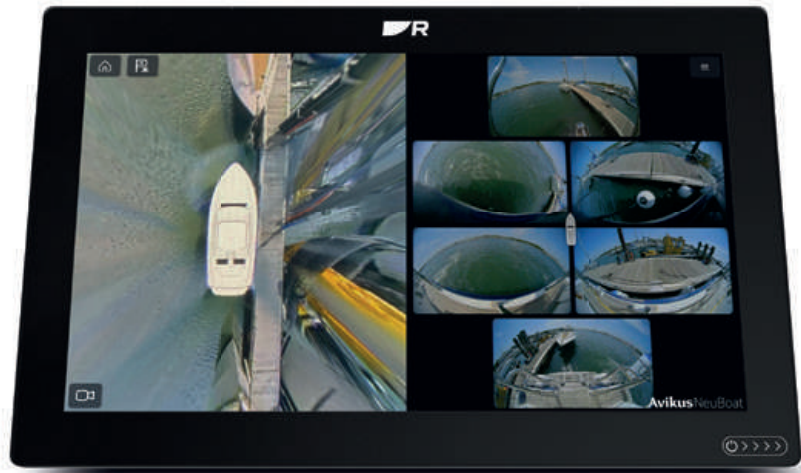
**DOCK WITH CONFIDENCE**
On-screen distance guides provide visual cues and help you dock in tight spaces.

**MULTIPLE VIEWS**
Enjoy a 360-degree view or view each camera independently with pre-set docking modes.

# NEUBOAT 360 DOCK



### SIX SURROUND VIEW MONITOR CAMERAS

Installed at the bow, bow-port, bow-starboard, port, starboard, and stern on your vessel, these cameras provides a 360° birds-eye surround view of your vessel's immediate surroundings. Six cameras provide coverage for vessels up to 100 ft (30 metres).

### AVIKUS CAMERA CONVERSION UNIT

Installed below deck, this unit receives data from the 6 Surround-View Monitor cameras and then transmits the processed data to the connected Object Recognition Unit. For vessels over 50 feet (15 metres), an additional Camera Conversion Unit and network cabling may be required.

### OBJECT RECOGNITION UNIT

Installed below deck, the Avikus Object Recognition receives data from the Camera Conversion Unit and then interprets the visual information from all connected cameras into a synchronized view.

### AXIOM DISPLAY

At the helm, an Axiom chartplotter display provides simple touchscreen access to the Neuboat Dock user interface and 360-degree camera view.
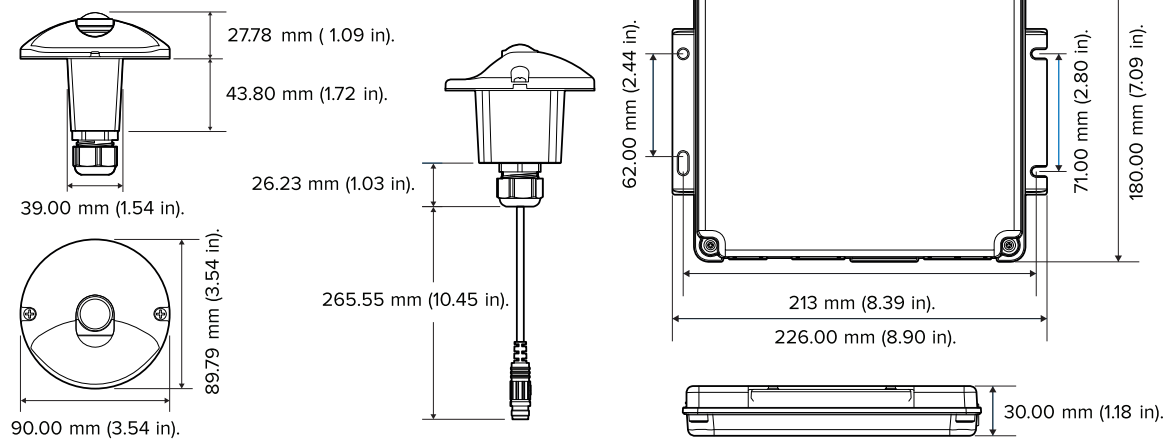
### SIMPLIFIED INSTALLATION FOR BOAT BUILDERS

Designed for new boat construction, Avikus Neuboat Dock from Raymarine offers simplified configuration and commissioning. Calibration can be performed on land or in the water. No cumbersome calibration mats or posts used in other systems are required. Calibration does not require Raymarine personnel to be on-site at the boat factory. NeuBoat Dock can be calibrated remotely with a simple Axiom internet connection via Wi-Fi or a YachtSense Link router.

- For vessels in 50' (15 metres) range
- Includes six surround view monitor cameras
- Includes Avikus camera conversion kit
- Compatible with Raymarine Axiom chartplotters (sold separately)

# NEUBOAT 360 DOCK

| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **Avikus Neuboat** | | |
| **Avikus Neuboat System** | | |
| E70699 | Neuboat Dock Basic System | |
| **ACCESSORIES** | | |
| A80760 | Camera Conversion Unit | |
| A80761 | Camera to Camera Conversion Unit Cable (15m) | |
| A80762 | Camera to Camera Conversion Unit Cable (20m) | |
| A80763 | Camera Conversion Unit to Raynet Cable (15m) | |
| A80764 | Camera Conversion Unit to Raynet Cable (25m) | |
| A80765 | Object Recognition Unit to Raynet Cable (25m) | |
| A80766 | Object Recognition Unit to Raynet Cable (50m) | |
| A80767 | Camera Conversion Unit to Object Recognition Unit Cable (15m) | |
| A80768 | Camera Conversion Unit to Object Recognition Unit Cable (25m) | |
| A80769 | Object Recognition Unit Power Cable (2m) | |
| A80770 | Camera Conversion Unit Power Cable (1m) | |
| A80771 | Camera Conversion Unit Camera Input Cable_1 (0.2m) | |
| A80772 | Camera Conversion Unit Camera Input Cable_2 (0.2m) | |



(mm / in.)

27.78 mm ( 1.09 in).

43.80 mm (1.72 in).

39.00 mm (1.54 in).

89.79 mm (3.54 in).

90.00 mm (3.54 in).

26.23 mm (1.03 in).

265.55 mm (10.45 in).

62.00 mm (2.44 in).

71.00 mm (2.80 in).

180.00 mm (7.09 in).

213 mm (8.39 in).

226.00 mm (8.90 in).

30.00 mm (1.18 in).

# NEUBOAT 360 DOCK

**NEUBOAT DOCK: IN THE BOX**
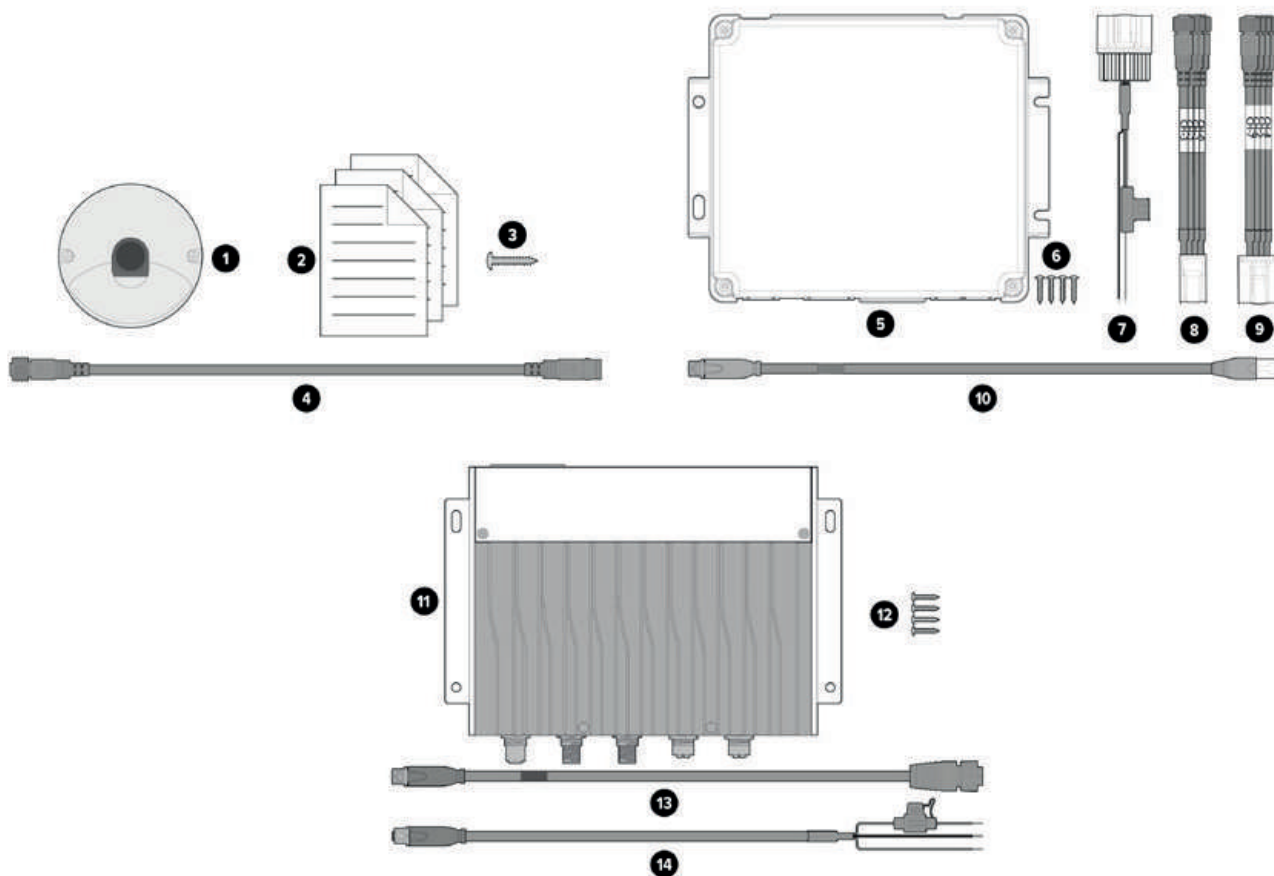


1. (6x) Surround View Monitor camera.
2. (1x) Documentation pack (includes placement position file) Power / Data Cable
3. (24x) Fixing screws
4. (6x) SVM camera to CCU cable, 15 m (49.21 ft)
5. (1x) Camera Conversion Unit
6. (4x) Fixing screws
7. (1x) CCU power cable, 1 m (3.3 ft)
8. (1x) CCU camera input cable 1, 200 mm (7.87 in)
9. (1x) CCU camera input cable 2, 200 mm (7.87 in)
10. (1x) CCU to ORU cable, 15 m (49.21 ft)
11. (1x) Object Recognition Unit
12. (4x) Fixing screws
13. (1x) ORU to RayNet cable, 25 m (82.02 ft)
14. (1x) ORU power cable, 2 m (6.56 ft)

# DOCKSENSE
ASSISTED DOCKING TECHNOLOGY



CRUISING

FISHING

## DOCKSENSE™ CONTROL - ASSISTED DOCKING TECHNOLOGY

DockSense is available as part of DockSense Control and DockSense Alert systems. DockSense Alert provides enhanced situational awareness to captains. DockSense Control builds on this with a vessels engine and control systems as detailed below. Yachtsense systems are available through boat builders and technical dealers only.



### THE DOCKING CHALLENGE

Docking a boat can be a stressful experience, even for the most experienced captains. Often wind and tides make the task more difficult, and docking mishaps can become expensive repairs. The Raymarine DockSense™ Control system is designed to augment a captain's boat handling skills using the system's Virtual Bumper™ zone technology around the vessel. Should an object like a piling or another vessel encounter the Virtual Bumper, DockSense™ Control automatically introduces corrective steering and throttle commands to avoid the object and assist the captain in guiding the vessel to the dock.

### THE FUTURE OF BOAT HANDLING

DockSense™ Control uses global positioning system (GPS) and attitude heading reference system (AHRS) position sensing technology to compensate for the effects of wind and currents, ensuring the vessel enters the dock without drama or costly collisions. The Raymarine DockSense™ Control systems include multiple FLIR machine vision cameras, a central processing module, and the DockSense™ Control App running on Raymarine's Axiom navigation display. The system integrates with modern joystick propulsion systems, providing assisted steering and throttle commands to help captains make a smooth arrival.

*Raymarine*

# DOCKSENSE
## ASSISTED DOCKING TECHNOLOGY

## DOCKSENSE™ ALERT

DockSense Alert is the next generation of Raymarine's intelligent docking technology designed to enhance a captain's awareness of immediate surroundings while manoeuvring the vessel in close quarters. Using advanced stereo vision camera technology, DockSense Alert detects objects above the water line and creates an intuitive map of potential hazards around the boat. Live video feeds enhance the captain's view while audible and visible alerts inform the captain when an object is close to the vessel.



### DOCK WITH CONFIDENCE

DockSense Alert gives captains the confidence to dock in challenging conditions at any dock, in any location. Unlike other docking assistants, DockSense Alert does not require any complex external dockside beacons or sensors. Raymarine's DockSense Alert is entirely self-contained and integrated with the vessel's navigation system and ready to use in every docking location.

At the helm, Axiom's DockSense Alert app provides an informative map showing distance to objects around the boat. Live camera feeds provide added confidence by eliminating blind spots and allowing the captain to see what is happening in real-time. DockSense Alert also offers helpful notifications tuned to the captain's preferred proximity alert distance.

### DOCKSENSE ALERT VESSEL INTEGRATION

DockSense Alert systems are designed for professional engineer installation, and each system integrates with Raymarine Axiom multifunction navigation displays. In addition to advanced 3D stereo vision cameras, DockSense Alert systems require precision heading and motion-sensing technology in the form of the AR250 and AR270 DockSense heading sensors. The two sensors combine to create a highly accurate GPS compass system, unaffected by magnetic interference. When outfitting a vessel, Raymarine DockSense experts will partner with your engineering team to design a DockSense Alert system that provides maximum coverage and confidence for you.



| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **DockSense** | | |
| **DockSense Alert - available through Boat builders and specialist technical dealers only.** | | |
| T70486 | DockSense Alert 1 Camera System | |
| T70487 | DockSense Alert 3 Camera System | |
| T70488 | DockSense Alert 5 Camera System | |
| **DockSense Control - available through Boat builders and specialist technical dealers only.** | | |
| T70489 | DockSense Control 3 Camera System | |
| T70490 | DockSense Control 5 Camera System | |

# YACHTSENSE ECOSYSTEM

The YachtSense Ecosystem enables complete onboard and offboard integration with all devices connected to the boats network.

An installed system assures captains and boat owners of the readiness of their vessel prior to, during and after their voyage. They are always connected to the boat.

Voyage preparations can begin before leaving home, and whilst onboard guests and crew can be connected to the boat.
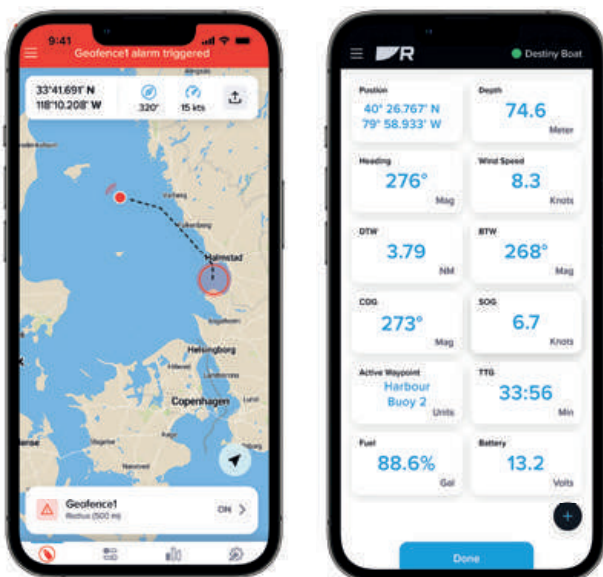
**LEVEL 1: MOBILE COMMAND**

## RAYMARINE APP

The Raymarine® App can operate independently of YachtSense Link and YachtSense. The app connects directly to Axiom® displays via Wi-Fi.

- Stream and control Axiom multifunction displays from anywhere onboard
- Back-up waypoints, tracks and screenshots on your mobile device

### RAYMARINE APP WITH YACHTSENSE LINK

- Remotely access and control YachtSense connected devices
- Monitor your boat remotely with GeoFence and YachtSense Link
- View real time instrument and navigation data

# YACHTSENSE ECOSYSTEM

**LEVEL 2: OFFBOAT CONNECTIVITY**

## YACHTSENSE LINK

YachtSense Link is a multi-purpose marine mobile router equipped with Raynet Ethernet ports, mobile broadband connectivity, and onboard Wi-Fi. YachtSense Link allows crew and family to connect Axiom® displays, phones, tablets, and PCs to a unified onboard network. YachtSense Link automatically switches between marina Wi-Fi and mobile networks to ensure you are always connected. Combine YachtSense Link with the Raymarine mobile app for remote access to your Raymarine network and enjoy the added security of remote GeoFence vessel monitoring. YachtSense Link also features low-voltage digital switching/monitoring channels for controlling and monitoring onboard electrical devices like pumps, batteries, lighting, and more.

- Mobile broadband connection to 4G (LTE) networks (SIM card and data plan required)
- Supports dual SIM cards for seamless connectivity to international mobile networks
- 4 Raynet Ethernet ports for connecting Raymarine devices
- Integrated GPS with a range extending 4 in 1 antenna (GPS/GNSS, 3G, 4G, and Wi-Fi)
- Low power consumption mode supports GeoFence remote monitoring (subscription required)
- SeaTalkNG/NMEA2000 port
- 4 x input and output low voltage digital switching channels
- Easy DIY setup using a web browser or Axiom display
- Rugged IPX6 enclosure is shock and vibration resistant

**LEVEL 3: SMART HOME ON THE WATER**

## YACHTSENSE

YachtSense is Raymarine's bespoke digital control system that controls and monitors all of a vessel's electrical and electronics systems. When integrated with the Raymarine app and YachtSense Link, the YachtSense Digital Control System can be remotely accessed and controlled from anywhere there is internet access. Operate onboard equipment, monitor vessel systems, and respond to notifications right from the Raymarine app on your mobile phone or tablet.
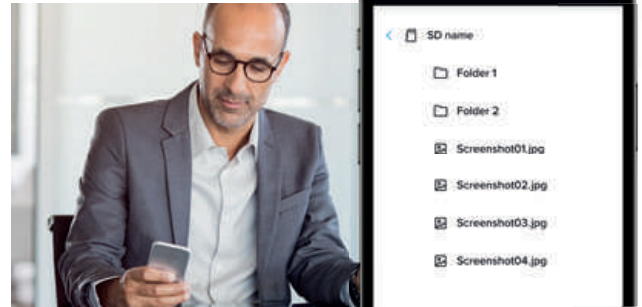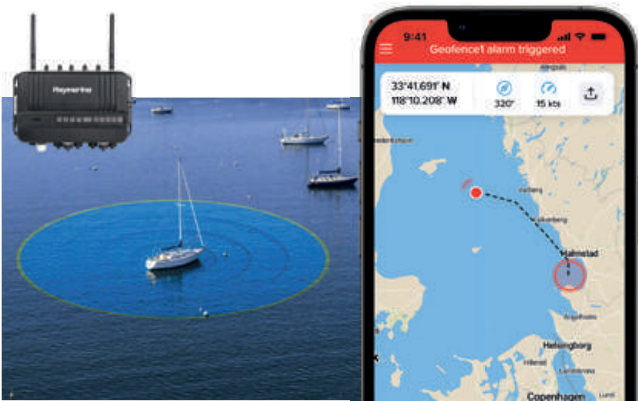
# YACHTSENSE ECOSYSTEM





**LEVEL 1: COMMAND AND CONTROL**

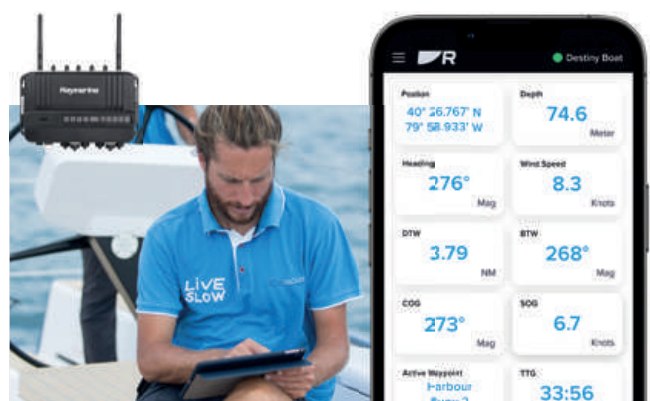Stream and control Axiom from your phone or tablet from anywhere onboard.

**LEVEL 1: SECURE BACK UP**

Critical waypoints, routes and tracks can be transferred to your mobile device.





**LEVEL 2: REMOTE MONITORING**

Raymarine GeoFence provides alerts and notifications if your vessel moves in or outside a safety zone.
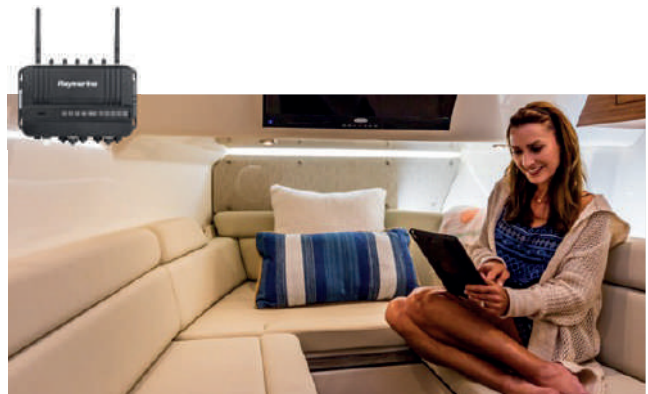
**LEVEL 2: STAY INFORMED**

Connect and view real time instrument and navigation data on board or remotely.

# YACHTSENSE ECOSYSTEM



## LEVEL 2: REMOTE MONITORING

Monitor bilge water sensors, battery voltage, shore power, smoke alarms and more. Control is afforded with the addition of a switching relay.



## LEVEL 2: ALWAYS CONNECTED

Connect Raymarine equipment, tablets, smart TVs, and other wireless devices to a unified onboard Wi-Fi network with 4G mobile broadband.

## LEVEL 3: TOTAL COMMAND OF THE VESSELS ELECTRICAL SYSTEMS





| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| **YachtSense Link** | | |
| **YachtSense Link Router** | | |
| E70640 | YachtSense Link Marine Cloud Router w/ 4X GB RayNet, Wi-FI, 3G/4G, GNSS, Premium External Antenna w/ 5M cable and Input/Out Cable Set | |
| **YachtSense Link Accessories** | | |
| A80701 | Premium External Multi-Antenna 5m cable | |
| A80718 | External Antenna Extension Collar Kit | |

# YACHTSENSE

## YachtSense Digital Control System

YachtSense™ is the future of vessel automation. An advanced digital control system, YachtSense gives the captain total command and complete awareness of a vessel's electrical systems. YachtSense offers the most scalable, configurable, and fail-safe marine automation system available. The system offers intuitive control of every device, from lighting, pumps, and sunshades to wipers, windlass, and bathing platforms.
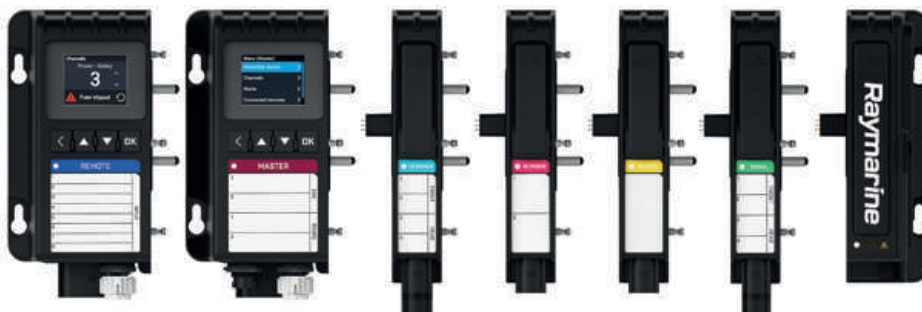
**SCALABLE**

Unique modular system architecture gives boat builders the freedom to design and standardize on a digital control solution that can scale across an entire model range.
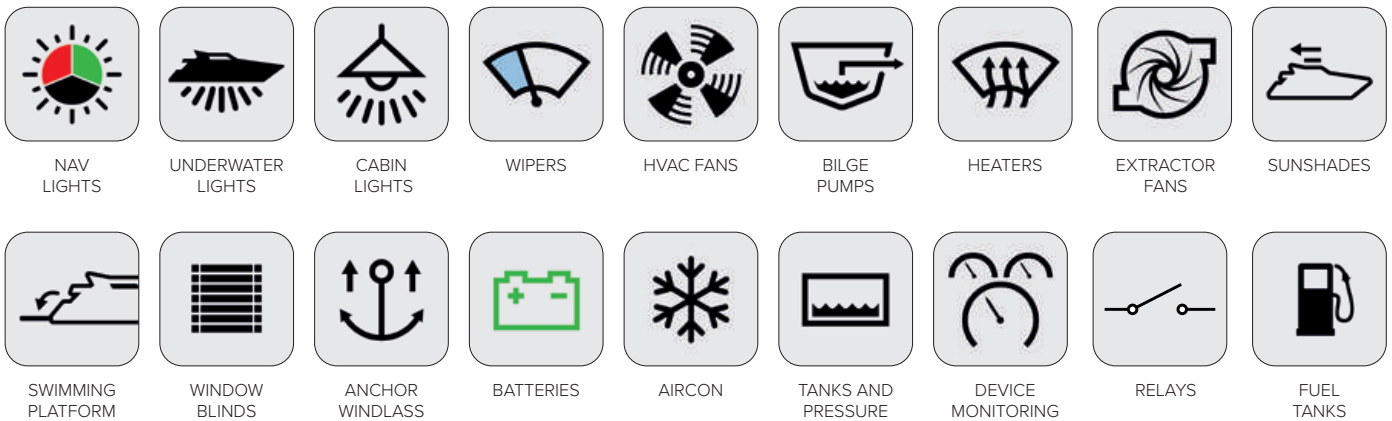
**ENGINEERED FOR THE UNEXPECTED**

Three layers of redundancy give captains peace of mind. An integrated keypad allows for manual override while the LCD provides system diagnostics. Rugged IPX6 enclosures and backed by 3-year warranty.

# YACHTSENSE



## MODERN VESSEL AUTOMATION

YachtSense™ bespoke Axiom user interface options empowers boat builders to create a modern and elegant vessel automation solution. YachtSense gives captains total control from the helm or their mobile device.

| NAV LIGHTS | UNDERWATER LIGHTS | CABIN LIGHTS | WIPERS | HVAC FANS | BILGE PUMPS | HEATERS | EXTRACTOR FANS | SUNSHADES |
| SWIMMING PLATFORM | WINDOW BLINDS | ANCHOR WINDLASS | BATTERIES | AIRCON | TANKS AND PRESSURE | DEVICE MONITORING | RELAYS | FUEL TANKS |

| PART NO. | DESCRIPTION | |
| --- | --- | --- |
| **YachtSense** | | |
| **YachtSense DIGITAL CONTROL SYSTEM** | | |
| E70592 | YachtSense Master Unit (12v or 24v) with 2 x J1939, 2 x RS485, Ethernet & STNG inputs | |
| E70593 | YachtSense Remote Unit (12v or 24v) with up to 8 x Signal Inputs or 8 x Signal (50mA) Outputs | |
| E70594 | YachtSense Low Power Output Module with 4 x 10 Amp Outputs | |
| E70595 | YachtSense High Power Output Module with 2 x 20 Amp Outputs | |
| E70596 | YachtSense Reverse Power Output Module with 1 x Bi-Directional 20 Amp Output | |
| E70597 | YachtSense Signal Module with up to 4 x Inputs or 4 x 50mA Outputs | |
| **YachtSense DIGITAL SWITCHING ACCESSORIES** | | |
| A80622 | 50 off 14~16 AWG MX150 Crimp Terminal | |
| A80623 | 50 off 18-22 AWG MX150 Crimp Terminal | |
| A80624 | Molex Blanking Pins (Pack of 50) | |

# ACCESSORIES

| PART NO. | DESCRIPTION | |
|----------|-------------|---|

## STNG Cables and Components

### STNG Cables and Components

| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| E70010 | iTC-5 Instrument Transducer Converter | |
| E70361 | Micro-Talk Puck - Micronet to SeatalkNG Gateway | |
| T70134 | STNG Starter Kit (1xA06064, 2xA06031, 1xA06040, 1xA06049) | |
| A25062 | STNG Backbone Kit (2 x A06031, 1 x A06037, 2 x A06036, 4 x A06028, 1 x A06049) | |
| E22158 | ST1 to STNG Adaptor Kit (1xR52131, 2xA06031, 2xA06032, 1xA22164, 1xA06049, 1xA06039) | |
| E70196 | VHF NMEA0183 TO STNG Converter Kit (1xR52131, 2xA06031, 2xA06032, 1xA06071, 1xA06049, 1xA06039) | |
| T12217 | Cable Kit/NMEA2000 Gateway (1X A06039, 1X A06045, 1X A06064, 1X A06049, 2X A06031) | |
| R52131 | ST1 to STNG Convertor only | |
| A06049 | STNG Straight Power to bare wires cable (2m) | |
| A06070 | STNG Right Angle Power to bare wires cable (2m) | |
| A06028 | STNG T-Piece Connector | |
| A06064 | STNG 5 Way Connector | |
| A06030 | STNG Backbone Extender | |
| A06031 | STNG Backbone Terminator | |
| A06074 | STNG In-Line Terminator | |
| A06032 | STNG Blanking Plug | |
| A80614 | STNG Auxillary Alarm with 1m Spur Cable | |
| A06033 | Backbone Cable 400mm | |
| A06034 | Backbone Cable 1m | |
| A06035 | Backbone Cable 3m | |
| A06036 | Backbone Cable 5m | |
| A06068 | Backbone Cable 9m | |
| A06037 | Backbone Cable 20m | |
| A06038 | Spur Cable 400mm | |
| A06039 | Spur Cable 1m | |
| A06040 | Spur Cable 3m | |
| A06041 | Spur Cable 5m | |
| A06072 | Spur Cable 6m | |
| A06042 | STNG Elbow to Elbow Spur Cable (400mm) | |
| A06080 | STNG Elbow to Straight DeviceNet (Female) Cable (1m) | |
| A06081 | STNG Elbow to Straight Spur Cable (1m) | |
| A06077 | STNG Right Angle Adaptor | |
| A06082 | DeviceNet (Female) to STNG (Socket / Male) Straight Adaptor | |
| A06083 | STNG (Female) to DeviceNet (Socket / Male) Straight Adaptor | |
| A06084 | DeviceNet (Female) to STNG (Socket / Male) Right Angle Adaptor | |
| A06079 | DeviceNet (Female) to STNG Spur (Female) Adaptor Cable (120mm) | |
| A06045 | DeviceNet (Female) to STNG Spur (Female) Adaptor Cable (400mm) | |
| A06075 | DeviceNet (Female) to STNG Spur (Female) Adaptor Cable (1m) | |
| A06078 | DeviceNet (Male) to STNG Spur (Female) Adaptor Cable (120mm) | |
| A06076 | DeviceNet (Male) to STNG Spur (Female) Adaptor Cable (1m) | |

# Raymarine

# ACCESSORIES

| PART NO. | DESCRIPTION | |
|----------|-------------|---|
| A06046 | DeviceNet (Male) to STNG Spur (Female) Adaptor Cable (1.5m) | |
| A80674 | STNG Backbone (Female) to DeviceNet (Socket / Male) 400mm adaptor cable | |
| A80675 | STNG Backbone (Female) to DeviceNet (Female) 400mm adaptor cable | |
| A06047 | ST1 (3 Pin) to STNG Spur (Female) Adaptor Cable (400mm) | |
| A06073 | ST1 (3 Pin) to STNG Spur (Female) Adaptor Cable (1m) | |
| A06048 | ST2 (5 Pin) to STNG Spur (Female) Adaptor Cable (400mm) | |
| A06043 | STNG Spur (Female) to Stripped End Cable (1m) | |
| A06044 | STNG Spur (Female) to Stripped End Cable (3m) | |
| R12112 | 1m STNG to SPX Moulded Cable | |

# ACCESSORIES

| PART NO. | DESCRIPTION | |
|---|---|---|
| **Network Cables and Components** | | |
| **Network Cables and Components** | | |
| A80007 | HS-5 Network Switch (Raynet) | |
| A80731 | RNS5 Gigabit Raynet Network Switch | |
| A80732 | RNS8 Gigabit Raynet Network Switch with 4 x POE ports | |
| E55060 | SeaTalkHS Crossover Coupler | |
| 4115028 | Weather proof Ethernet coupler | |
| A80247 | RayNet to RJ45 (F) Adaptor - 100mm | |
| A62360 | RayNet (F) to RJ45 (M) cable - 1m | |
| A80151 | RayNet (F) to RJ45 (M) cable - 3m | |
| A80159 | RayNet (F) to RJ45 (M) cable - 10m | |
| 308-0251-30-00 | RayNet (F) to RJ45 (M) cable - 30m | |
| 308-0252-30-00 | RayNet Right Angle (F) to RJ45 (M) cable - 30m | |
| A80161 | Raynet (F) to Raynet (F) cable - 400mm | |
| A62361 | Raynet (F) to Raynet (F) cable - 2m | |
| A80005 | Raynet (F) to Raynet (F) cable - 5m | |
| A62362 | Raynet (F) to Raynet (F) cable - 10m | |
| A80512 | Raynet Right Angle (F) to Raynet Straight (F) cable - 10m | |
| A80006 | Raynet (F) to Raynet (F) cable - 20m | |
| A80162 | RayNet (M) to RayNet (M) cable - 100mm | |
| A80262 | RayNet (Male) Right Angle Adaptor | |
| A80160 | RayNet (F) to SeaTalkHS (F) adaptor - 400mm | |
| A80276 | RayNet (F) to STHS (M) Cable - 3m | |
| A80272 | RayNet Male to STHS Male water tight for DSM or legacy MFD connection to open RayNet Female cable | |
| R70014 | RayNet Cable Puller - 5 pk | |
| **ST1 CABLES AND COMPONENTS** | | |
| D244 | 3 Way SeaTalk1 Junction Block | |
| D230 | SeaTalk Extension Cable 400mm | |
| D284 | SeaTalk Extension Cable 1m | |
| D285 | SeaTalk Extension Cable 3m | |
| D286 | SeaTalk Extension Cable 5m | |
| D287 | SeaTalk Extension Cable 9m | |
| E25051 | SeaTalk Extension Cable 12m | |
| D288 | SeaTalk Extension Cable 20m | |
| E55054 | SeaTalk Alarm Out Cable 1.5m | |
| **ENGINE CONTROL INTERFACE & ACCESSORIES** | | |
| E70227 | ECI-100 Universal Engine and Control Interface | |
| E70240 | Volvo Engine EVC Link Cable (1M) | |
| E70241 | Volvo Engine Y-Loom cable | |
| E70242 | Yamaha Command-Link Cable 1M | |
| E70305 | Caterpillar Engine 12 Pin Link Cable (400mm) | |
| E70260 | NMEA 2000 Devicenet male to Devicenet female cable (2m) | |

# Raymarine

# WARRANTY



Raymarine's Global Limited Warranty is effective for qualifying products purchased on or after 1st July 2017. Raymarine UK Ltd. and its affiliates ("RAYMARINE") warrants RAYMARINE products purchased directly from RAYMARINE, from an approved RAYMARINE dealer (visit raymarine.eu/DealerLocator to find and contact your local approved RAYMARINE dealer), or installed on a new vessel by an authorized boat builder, known as the Original Equipment Manufacturer (OEM) (the "Products"), to be free from defects in material and workmanship for;

(i) Dragonfly Products for one (1) year ("Dragonfly Limited Warranty Period"); and
(ii) Standard Products for two (2) years ("Standard Limited Warranty Period"); from

(a) the date the Products were first purchased; or (b) in the case of Products installed on a new vessel by an authorized OEM, the date the vessel was first delivered (the "Purchase Date") to the first retail customer (the "Original Customer").

All prior RAYMARINE warranty policies, procedures and points of contact are superseded and replaced by this RAYMARINE Global Limited Warranty.

Except for Dragonfly Products, Warranty Replacement Product, Refurbished Product and Products used for regular commercial, military, law enforcement or related purposes, by registering your new Product with RAYMARINE, you can upgrade the 2-year Standard Limited Warranty to a 3-year Extended Limited Warranty at no additional cost.

In some countries and for most Products, RAYMARINE also offers a Warranty Replacement service and On-Board Warranty. These services, when available, are designed to help minimize the down-time of Products that may require warranty repair.

Your Proof of Purchase documentation is important. Please keep it in a safe place. If you need a warranty service your proof of purchase will be required.

RAYMARINE Products are not a substitute for possessing and exercising the independent judgment and skill needed to safely and effectively operate any vessel or engage in any marine activity.

## FIND A DEALER

To find your nearest Raymarine dealer, scan the QR code or enter the following URL into your internet browser
**https://www.raymarine.co.uk/en-gb/find-your-local-dealer**



## CONTACT US

Scan the QR code to view our office locations, access our customer help knowledge base, contact product support or complete a general enquiry form.

**Photography:**
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