



## EM-TRAK – COMMITTED TO VESSEL SAFETY & SECURITY

With over twenty five years of product design and engineering heritage our products offer the very best in quality engineering, reliability, usability and operational performance. To achieve this unique mixture of quality and performance we develop and deploy the most advanced core technologies coupled with proven professional standard product design.

## EM-TRAK WARRANTY & SUPPORT

Em-trak is committed to providing the highest level of customer service. Our comprehensive global warranty ensures that in the unlikely event of a problem it will be resolved to your full satisfaction in the shortest possible time.

Further information about our warranty programme and instant advice and support for all our products can be obtained from our web site [www.em-trak.com](http://www.em-trak.com) or your local authorised em-trak dealer.

The em-trak R100 is an aid to navigation and must not be relied upon to provide accurate navigation information. AIS is not a replacement for vigilant human lookouts and other navigation aids such as Radar. The performance of the R100 may be seriously impaired if not installed as instructed in the user manual, or due to other factors such as weather and or nearby transmitting devices. Compatibility with other systems may vary and is reliant on the third party systems recognising the standard outputs from the R100. em-trak reserves the right to update and change these specifications at any time and without notice.

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## EM-TRAK R100 FEATURES & SPECIFICATION

### DIMENSIONS & WEIGHT

- > 115mm x 37mm x 116mm (W x H x D)
- > 120g

### DATA INTERFACES

- > USB
- > NMEA0183 38.4k baud output (AIS data and multiplex output)
- > NMEA0183 4.8k baud input (multiplex input)

### POWER

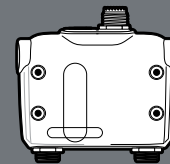
- > 12 or 24V DC
- > Power consumption 1W

### CONNECTORS

- > 12 pin NMEA0183 and power
- > VHF Antenna connector – SO-239
- > USB mini-B

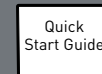
## WHAT'S IN THE BOX

Dual Channel AIS Receiver



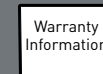
Screws (packet of 4)

Power and Data Cable



Quick Start Guide

USB Cable



Warranty Information

Product CD



Product Manual



PROFESSIONAL STANDARD RELIABILITY

Product Code: 412-0001

# R100

## AIS RECEIVER



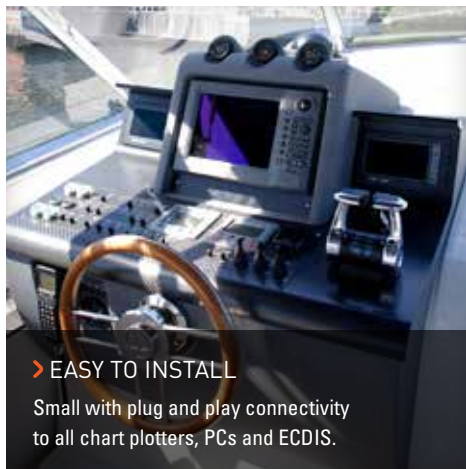


THE AIS R100 RECEIVER IS A ROBUST, HIGH PERFORMANCE DUAL CHANNEL AIS RECEIVER THAT RECEIVES AND PROCESSES ALL TYPES OF AIS MESSAGES.



PRODUCT HIGHLIGHTS

- > Receives all AIS messages
- > Small, easy to install & use
- > Plug & play connectivity with existing systems
- > Low power consumption



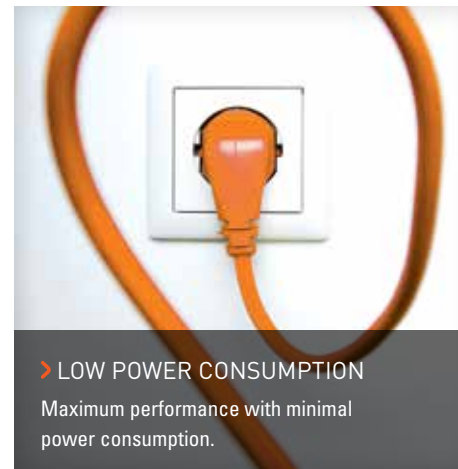
> EASY TO INSTALL

Small with plug and play connectivity to all chart plotters, PCs and ECDIS.



> MULTIPLE INTERFACES

Includes NMEA 0183 and USB intelligent data interfaces.



> LOW POWER CONSUMPTION

Maximum performance with minimal power consumption.



> ENHANCE YOUR SAFETY

Identify and track AIS equipped vessels on your chart plotter/PC.

## > KEY FEATURES

The em-trak R100 provides you with reliable, high performance AIS message receiving capability within a small, robust and power efficient package. It will reliably receive and process, in real time, all AIS messages within range and output the data to your chart plotter or PC.

After fifteen years of creating marine electronics products we understand the environment within which our products must operate. The R100 is a single small unit which is simple to install and use and has been specifically designed, engineered and manufactured for long term continuous use in even the most extreme marine environments.

The R100's core technology enables it with superior radio performance which translates into maximum target detection range and real time message processing. The R100 is the perfect choice.

- > Small and robust
- > Plug & play connectivity with chart plotters and PCs
- > Low power consumption
- > Ruggedised, vibration resistant
- > MOB & SART detection
- > Multi-lingual manuals
- > HF-AIS™ core technology
- > Receives and processes all AIS message types
- > NMEA 2000 & 0183 connectivity

## > FEATURE HIGHLIGHTS

### MULTIPLE INTERFACES



NMEA 0183

### RECEIVE ALL AIS MESSAGE TYPES



The R100 contains an advanced high performance AIS receiver which ensures maximum detection range and simultaneous message processing, allowing you to see more targets.

### THE EM-TRAK RANGE

