



PROFESSIONAL STANDARD RELIABILITY

Product Code: 412-0001

R100

AIS RECEIVER



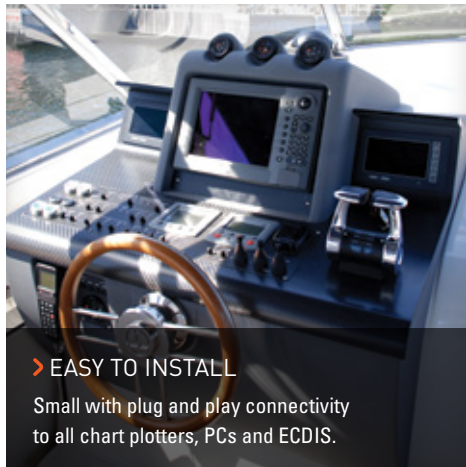


THE AIS R100 RECEIVER IS A ROBUST, HIGH PERFORMANCE DUAL CHANNEL AIS RECEIVER THAT RECEIVES AND PROCESSES ALL TYPES OF AIS MESSAGES.



EM-TRAK R100 PRODUCT OVERVIEW

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



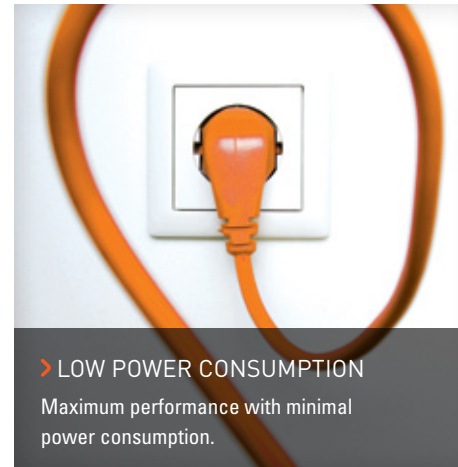
> EASY TO INSTALL

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



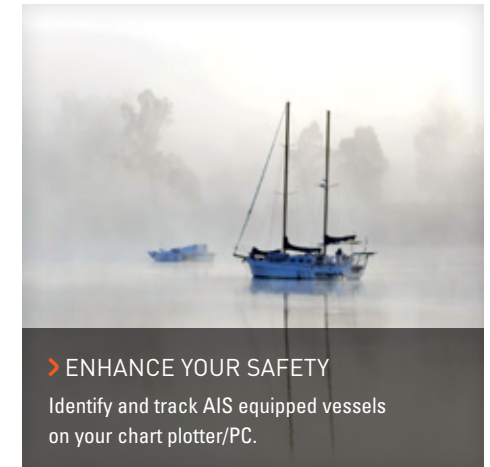
> MULTIPLE INTERFACES

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
- > Enhanced operating performance
- > Receives and processes all AIS message types

> OPTIONS

The functionality of the R100 can be enhanced to meet a wide range of specific user and regional requirements. This may include the implementation of security features such as encryption, or receiving special AIS messages. Please contact us with your specific requirements for a quote.

> FEATURE HIGHLIGHTS

MULTIPLE INTERFACES



Dual NMEA 0183 and 2000 data interfaces.

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.

ALSO IN THE RANGE



AIS Class A



AIS Class B



AIS Antenna Splitter



AIS SART



AIS Identifier

WWW.EM-TRAK.COM



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 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 recognizing the standard outputs from the R100. em-trak reserves the right to update and change these specifications at any time and without notice.

Head Office:

em-trak Marine Electronics Ltd
Forum 3
Parkway, Solent Business Park
Whiteley, Fareham
Southampton PO15 7FH
United Kingdom

T +44 (0)1489 611662
F +44 (0)1489 611612
E enquiries@em-trak.com
W www.em-trak.com

USA Office:

em-trak Marine Electronics Ltd
470 Atlantic Avenue
4th floor
Boston
02210
USA

T +1 617 273 8395
F +1 617 273 8001
E enquiries@em-trak.com
W www.em-trak.com

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

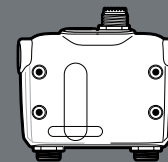
- > 12 or 24V DC
- > Power consumption 1W

CONNECTORS

- > 12 pin NMEA0183 and power
- > VHF Antenna connector – S0-239
- > 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