



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 R300 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 R300 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 R300. em-trak reserves the right to update and change these specifications at any time and without notice.

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EM-TRAK R300 FEATURES & SPECIFICATION

DIMENSIONS & WEIGHT

- > 140 x 100 x 50 mm (D x W x H)
- > 280g

DATA INTERFACES

- > USB
- > NMEA2000®
- > IEC61162-1 (NMEA0183) output – 38400baud
- > IEC61162-1 (NMEA0183) input – 4800baud

POWER

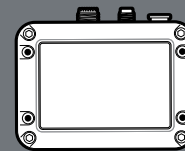
- > 12 or 24V DC
- > Power consumption: 150mA @12VDC, <2W average

VHF RECEIVERS

- > Receiver 1 frequency: 161.975MHz
- > Receiver 2 frequency: 162.025MHz
- > Channel bandwidth: 25KHz
- > Receiver sensitivity: <-107dBm @ 20% PER

WHAT'S IN THE BOX

AIS receiver



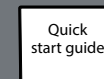
Power and data cable & USB cable



Product CD



Screws (packet of 4)



Quick start guide



Product Manual



PROFESSIONAL STANDARD RELIABILITY

Product Code: 413-0058

R300 AIS RECEIVER





THE AIS R300 RECEIVER IS A SMALL, ROBUST FEATURE RICH DUAL CHANNEL AIS RECEIVER IDEAL FOR COMMERCIAL VESSELS OF ALL TYPES.



EM-TRAK R300 PRODUCT OVERVIEW

- > Receives all AIS message types
- > IP67 Waterproof
- > NMEA2000 & 0183 Connectivity
- > Anti-tamper & security features



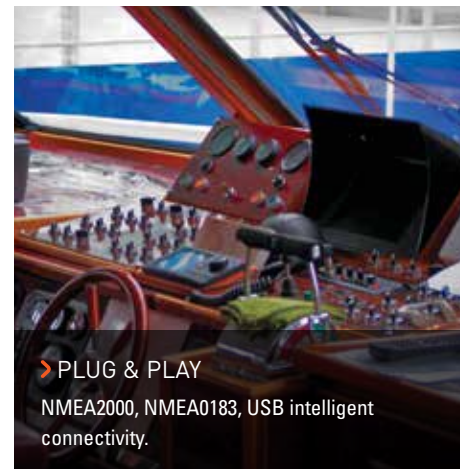
> TOUGH & ROBUST

Toughened and completely weather proof for internal or external use.



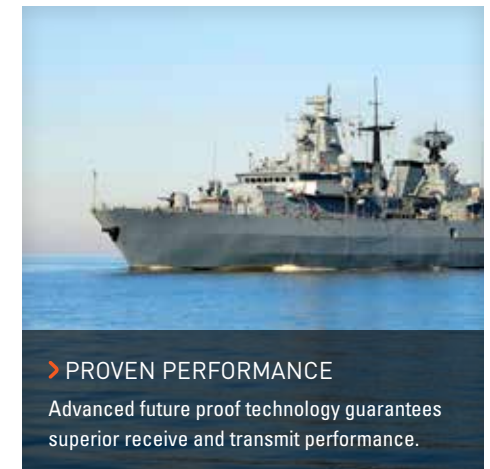
> RECEIVE ALL AIS MESSAGES

Receives and processes all AIS messages.



> PLUG & PLAY

NMEA2000, NMEA0183, USB intelligent connectivity.



> PROVEN PERFORMANCE

Advanced future proof technology guarantees superior receive and transmit performance.

> KEY FEATURES

The em-trak R300 AIS receiver offers a unique combination of toughness and performance which is ideal for use in harsh commercial marine environments.

After fifteen years of creating marine electronics products we understand the harsh realities of the commercial marine environment. The R300 is engineered and manufactured specifically to operate reliably and securely in these conditions whilst delivering best in class AIS receive performance.

- > Waterproof – IP67 Certified
- > Shock and vibration proof
- > Low power consumption
- > Receives and processes all AIS message types
- > Multiple interfaces: NMEA0183, NMEA2000 ensures plug and play compatibility with most display systems
- > Optional security features

> OPTIONS

The R300 can be enhanced and customised to meet a wide range of specific user and regional requirements.

- > Encryption
- > Configurable frequency and channels

Please contact us with your specific requirements for a quote.

> FEATURE HIGHLIGHTS

HIGH PERFORMANCE



The R300 provides full, optimised dual channel AIS message reception and processing. This ensures maximum range of target visibility.

RUGGEDISED



The R300 is a truly ruggedised device designed to operate reliably for years without maintenance in even the harshest external marine environment.

ALSO IN THE RANGE



AIS Class A



AIS SART



AIS B300



Antenna Splitter

WWW.EM-TRAK.COM