



PROFESSIONAL STANDARD RELIABILITY

Product Code: 417-0001

# I100

## AIS IDENTIFIER





**THE AIS I100 IDENTIFIER** IS A FULLY INTEGRATED  
BATTERY POWERED AIS TRANSCEIVER IDEAL  
FOR SMALL VESSEL TRACKING.

#### EM-TRAK I100 PRODUCT OVERVIEW

- > Transmits full AIS message
- > Internal battery or vessel power
- > Shock, vibration and water proof
- > Multiple built in security features



#### > INTEGRATED ANTENNAS

High performance GPS and VHF antennas  
sealed inside toughened outer shell.



#### > BATTERY OR VESSEL POWER

Over 5 days continuous operation on battery  
or connect to vessel power.



#### > MULTIPLE SECURITY FEATURES

Multiple security features prevent unauthorised  
tampering and swapping between vessels.



#### > TRANSMITS FULL AIS MESSAGES

Intelligent EM-CSTDMA transmitter ensures  
full AIS integrity.

## > KEY FEATURES

The em-trak AIS I100 IDENTIFIER is a low cost vessel tracking solution specifically designed for national or regional fleet tracking. It is easily fitted to the smallest boat, even those with no on board power due to its internal rechargeable battery, and will enable it to be constantly and accurately tracked. Multiple security features prevent tampering or unauthorised movement between vessels.

After fifteen years of creating marine electronics products we understand the environment within which our products must operate. The I100 Identifier is a ruggedised fully integrated AIS transceiver 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.

- > Both VHF and GPS antennas integrated within a security sealed, toughened outer shell
- > Shock, vibration and waterproof (IP68)
- > Configurable transmit intervals
- > Secure easy fit bracket system
- > Internal rechargeable battery – with a minimum 5 day continual operational life
- > Multiple anti-tamper alert features, including unauthorised removal
- > Intelligent high performance AIS transceiver, configurable for EM-CSTDMA or EM-SOTDMA operation
- > Configurable emergency rescue/panic alert feature
- > Tested and certified compliant with IEC AIS Class B transmit specifications

## > OPTIONS

The I100 Identifier offers a wide range of optional features and functionality including:

- > Encryption
- > Vessel movement log
- > Geo-fence alert system
- > Field programming & data capture kit

## > FEATURE HIGHLIGHTS

### SECURE & RELIABLE



Each Identifier has a matched bracket. Inserting the Identifier into the bracket activates the unit. When removed the unit is deactivated and it will not work in another bracket. This ensures deployment integrity.

### INTERNAL BATTERY POWER



The Identifier contains a long life rechargeable battery which is quickly charged using the included charging dock. If connected to the vessel power supply, the battery acts as a back up in the event of vessel power loss and provides 5 days operational life.

ALSO IN THE RANGE



AIS Class A



AIS Class B



AIS Antenna Splitter



AIS Receiver



AIS SART



## 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 I100 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 I100 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 I100. em-trak reserves the right to update and change these specifications at any time and without notice.

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## EM-TRAK I100 FEATURES & SPECIFICATION

### DIMENSIONS & WEIGHT

- 350mm x 63mm max diameter
- 250g (Identifier unit only)
- Mounting bracket min / max pole diameter: 25mm to 55mm

### GPS RECEIVER (AIS INTERNAL)

- IEC 61108-1 Ed. 2.0 compliant 50 channel receiver
- WAAS / EGNOS enabled for improved position accuracy

### POWER

- Built in 2100mAh Lithium-Ion battery pack
- Up to 5 days operating time (depending on configured reporting rate)
- Charge time: 5 hours
- Charging dock supplied with universal input
- AC adapter

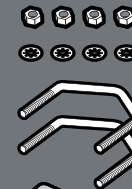
### CERTIFICATION

- IEC60945 Edn 4.0 'Protected' category IEC standard, environmental requirements
- ITU-RM.1371-3
- Universal AIS Technical Characteristics
- IEC61108-1
- CE marking under R & TTE directive for Europe

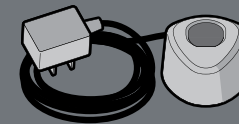
### WHAT'S IN THE BOX



Identifier



Vessel bracket and fixings



Charger