



HIGH PERFORMANCE MARINE PRODUCTS

AUTOMATIC IDENTIFICATION SYSTEM



HIGH PERFORMANCE MARINE PRODUCTS

ABOUT

- em-trak products are engineered to provide the best performance in all marine environments.

Quality and performance you can trust.

APPLICATIONS

PRODUCTS





> Engineered for performance and reliability.

The em-trak range employs the latest technologies to produce innovative, high quality AIS products, engineered to provide exceptional performance in the marine environment.

Our product range covers all applications from the largest commercial ship and the smallest leisure boat through to more specialist products used for marine safety and security.

All our products are designed and manufactured in Europe to the highest international standards. When you purchase an em-trak product, you buy a guarantee of performance and quality that you can trust.

For additional information on all our products and services visit: www.em-trak.com



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PRODUCTS

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MAKING BOATING SAFER AND MORE FUN

- Have more fun and improve your safety.
See and be seen with AIS.



ABOUT

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> AIS is an essential item of marine electronics which increases your safety and fun on the water.

AIS enables you to see and be seen by other vessels in all weather conditions.

Have fun tracking and identifying other boats on your chart plotter or PC, make sure you are seen by other vessels and in the event of an emergency, that rescue services find you in the minimum time.

AIS is quickly and easily installed on any boat.

For additional information on all our products and services visit: www.em-trak.com



A100 Class A



B100 Class B



R100 AIS Receiver



SART100



IMPROVING EFFICIENCY AND SAFETY

- AIS – safety and improved operational efficiency coming together.



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> Efficient operation and improved safety results in lower operating costs.

AIS is used in a wide variety of commercial applications around the world to improve safety, security and efficiency resulting in reduced operating costs for vessel owners and operators. From the smallest fishing boat to the largest tanker, AIS provides multiple direct benefits.

em-trak products are engineered to professional standards providing the optimal solution to commercial vessel operators. International certification, quality, performance, reliability and ease of use are the hallmark of all em-trak products making our products the preferred choice of the professional mariner.

For additional information on all our products and services visit: www.em-trak.com



A100 Class A



B100 Class B



R100 AIS Receiver



SART100



SECURING PORTS, WATERWAYS AND COASTLINES

- Identifying potential threats quickly facilitates an efficient, effective and proportionate response.



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- > The accurate and reliable identification of threats is key to maritime security.

AIS permits vessels to be identified and monitored in real time, effectively acting as an electronic license plate. This information allows authorities to identify potential threats and take positive action where needed, reducing unnecessary deployments and disturbance of innocent parties.

As well as our standard product range, em-trak offers a range of specialist products for security applications with features such as anti-tamper, battery back-up and encryption. Contact us for more details.

For additional information on all our products and services visit: www.em-trak.com



A100 Class A



B100 Class B



R100 AIS Receiver



I100 Identifier



em-trak A100

CLASS A AIS TRANSCEIVER

PRODUCT CODE: 405-0025



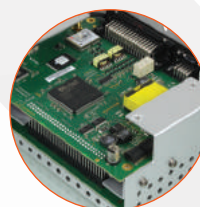
- The em-trak A100 is a commercial standard AIS Class A, fully certified for all commercial vessel installations; deep sea, coastal and inland waterways.

Despite its small size, the A100 is quality engineered to be exceptionally robust to operate reliably for years in even the harshest commercial marine environment. Installation and connection to existing systems is quick and easy, whilst the intuitive multi-lingual menu system is simple to use.

Proven reliability and operational performance makes this product the world's best selling AIS Class A.

em-trak A100 Product Overview

- Single unit solution
- Intuitive user interface
- Rmax™ technology for high performance
- High quality, rugged design
- Small and lightweight
- Simple to install, configure and operate



HIGH PERFORMANCE

Sophisticated internal technology ensures reliable performance.



EASY TO USE

Intuitive multi-lingual user interface with high visibility display.



ROBUST & RELIABLE

Engineered for deployment in harsh marine environments.

em-trak B100

CLASS B AIS TRANSCEIVER

PRODUCT CODE: 411-0001

- The em-trak B100 is an internationally certified, full feature, high performance Class B AIS Transceiver.

Small, light and with multiple interfaces such as NMEA2000, NMEA0183, USB and SD data card the B100 is easy to install and configure.

The B100 simultaneously transmits and receives all AIS messages in real time, and comes as standard with stealth mode functionality (transmit on/off).

No compromise performance and quality at an affordable price.

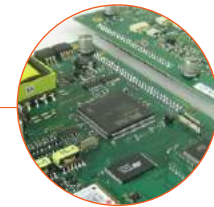
em-trak B100 Product Overview

- Rmax™ technology for high performance
- Small and lightweight
- Silent mode functions
- High quality, engineered to last
- SD card for data logging
- NMEA2000 & NMEA0183
- USB, PC and Mac connectivity



SD CARD

Allows you to easily record your trips and other data.



PERFORMANCE

Rmax™ technology ensures maximum operational performance with minimal power consumption.



EASY TO INSTALL

Multiple interfaces such as USB, NMEA2000 & 0183.



ELEGANT DESIGN

Small, elegant design looks good on your boat.

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em-trak R100 AIS RECEIVER

PRODUCT CODE: 412-0001

- The em-trak R100 is a high performance dual channel AIS Receiver which offers superior operational performance.

Integrating simple plug and play compatibility with most chart plotters and PCs, the R100 receives and decodes all AIS messages in real time.

Advanced **Rmax™** technology ensures R100 can see more vessels in a larger area whilst saving vital on board power.

em-trak R100 Product Overview

- **Rmax™** technology for high performance
- Small and lightweight
- Simple to use, configure and enjoy
- High quality, engineered to last
- Decodes every AIS message in real time
- NMEA0183
- USB, PC and Mac connectivity



PERFORMANCE

Rmax™ technology ensures maximum operational performance.



EASY TO INSTALL

Multiple interfaces such as USB & NMEA0183.

ELEGANT DESIGN

Small, elegant design looks good on your boat.

em-trak S100

VHF ANTENNA SPLITTER

PRODUCT CODE: 416-0013

- › The em-trak S100 allows your Class B AIS and VHF radio to share a single antenna.

Patented technology ensures performance and integrity of both devices whilst our Clear-Call technology guarantees priority for your VHF radio in all circumstances.

Ideal for AIS installations where an existing VHF antenna is already installed. Proven performance that you can rely upon.

em-trak S100 Product Overview

- › Simple to install
- › Enhanced safety features
- › Rapid switching ensures no loss of messages
- › Small and lightweight
- › High quality, engineered to last



ELEGANT DESIGN

Small, elegant design looks good on your boat.

PERFORMANCE

Patented technology ensures performance of both devices.

EASY TO INSTALL

Installed within minutes.

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em-trak SART100

IMO CERTIFIED AIS SART

PRODUCT CODE: 409-0018

- › The em-trak AIS SART is an internationally certified (Wheelmark) search and rescue transponder.

The SART100 is quality engineered to be stored undisturbed for up to five years and be instantly operational in the event of an emergency.

Each unit is supplied as standard with bulk head mounting bracket, grab bag and mounting pole. Extremely rugged, the SART100 will not let you down when you need it most.

em-trak SART100 Product Overview

- › Advanced technology maximises range
- › High quality, designed to last
- › Designed to operate in the harshest environment
- › Small and lightweight
- › Flexible mounting options
- › Internationally certified



PERFORMANCE

Sophisticated, proven technology ensures performance when you need it most.



ALWAYS READY

Designed to be stored for years, but be instantly ready for action.



RUGGED

Certified IP68 waterproof, and exceptionally robust.

em-trak I100 IDENTIFIER

PRODUCT CODE: 417-0001

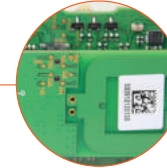
➤ The em-trak I100 is a fully integrated Identifier Class vessel tracking AIS transceiver.

The I100 has both GPS and VHF antennas integrated within a security sealed, IP68 waterproof ruggedized shell. Power can be supplied from the vessel or independently from its own internal rechargeable battery which gives up to 7 days of continuous operation between charges.

Multiple security and anti-tamper features as well as a secure 6 month voyage data recorder functionality option, makes the Identifier ideal for maritime security related applications.

em-trak I100 Product Overview

- Small and lightweight
- Enhanced security features
- Rugged design ensures operational performance
- Ensures AIS system integrity
- Highly configurable
- Flexible power options



INTEGRATED ANTENNAS

Fully integrated high performance GPS and VHF antennas.



ANTI-TAMPER

Multiple anti-tamper and security features.



RECHARGEABLE BATTERY

7 days operational life between charges.

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ENQUIRIES@EM-TRAK.COM

Data sheets providing detailed specifications on the full range of all em-trak products can be downloaded at www.em-trak.com

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