

FULLY INTEGRATED TRANSCEIVER

I100 | Small Vessel Tracker



DESCRIPTION

I100 Identifier is a fully integrated AIS transponder. All VHF & GPS antennas, along with all electronics and batteries are integrated within a security sealed, IPx8 waterproof ruggedized shell.

The I100 internal rechargeable battery gives over 5 days of continuous operation between charges. The Identifier is supplied as a complete kit with vessel mounting bracket and mains rapid charging dock.

FEATURES

- | Small and lightweight
- | Enhanced security features
- | Rugged IPx8 design ensures operational performance
- | Highly configurable



TRANSMIT



2W/CS



WATERPROOF



BATTERY



GPS

PHYSICAL & ENVIRONMENTAL SPECIFICATION

Size (H x W)	67 x 370mm
Weight	355g
Operating temperature	-25°C to +55°C
Storage temperature	-25°C to +70°C
Ingress protection	IPx6 and IPx8

ELECTRICAL SPECIFICATION

Battery capacity	2300mAh
Battery type	3.7V Li-Ion rechargeable
Battery life (default operating conditions)	120 hours

STANDARDS COMPLIANCE

AIS standards	IEC 62287-1 Ed. 3 ITU-R M.1371.5
Product safety standards	EN60950-1 2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013
Environmental standards	IEC 60945 Ed. 4
GNSS performance standards	IEC 61108-1 Ed 2.0

GNSS

Systems supported	GPS
Channels	50
Internal/external antenna	Internal only
Time to first fix from cold start	37s

VHF TRANSCEIVER

VDL access scheme	CSTDMA
Operating frequency	156.025MHz - 162.025MHz
Channel bandwidth	25kHz
Receivers/transmitters	1 x transmitter
AIS transmitter power	1W (30dBm radiated)

USER INTERFACE

Buttons	SOS
Indicators	Status indicator

CHARGING DOCK

Size (H x W x D)	110 x 120 x 78mm
Weight	360g
Power Supply	115V / 240V AC

CONFIGURATION DOCK

Size (H x W x D)	110 x 120 x 78mm
Weight	360g
Power Supply	115V / 240V AC
PC interface	USB (cable supplied)

IN THE BOX

1 x AIS transceiver
1 x Mounting bracket & fixings pack
1 x Charging dock

WARRANTY

With em-trak you can buy with confidence. If you are unhappy with your new product for any reason, within two days of receipt and subject to the product and packaging being complete and undamaged, you may return it to us for a full refund. We are sorry, but we cannot accept the return of any product if you have not advised us in writing within 48 hours of receiving your em-trak product, or if it has been used and or damaged or if any of the package is incomplete. All em-trak products benefit from our three year global warranty. In the unlikely event of a problem, please contact our Customer Support department (24/7) at support@em-trak.com and one of our experts will work with you to resolve your issue or arrange the repair or replacement of your em-trak product. The warranty is invalidated if the product has been incorrectly used, damaged or tampered.

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I100 | SMALL VESSEL TRACKER
INSTALLATION GUIDE

