

TRACKING TRANSPONDER
I100-X | Identifier



DESCRIPTION

The Identifier I100-X is a ruggedized, fully self-contained AIS Class B vessel tracking transponder, ideal for small vessel tracking and monitoring.

I100-X can power itself using its own internal rapid-recharge battery (+120hrs continuous operation), or be connected directly to another onboard power source such as engine, battery or solar with the battery then acting as a backup.

I100-X is fully water and weather proof (IPx8 certified) and ruggedized to operate reliably without maintenance in even the harshest of environments - extreme heat/cold, humidity, shock and vibration.

Each I100-X is supplied as a complete kit which includes the I100-X transponder, mounting bracket and rapid charging dock. Accessories such as direct connect power cable and alert indicator box are also available.



TRANSMIT



2W/CS



WATERPROOF



BATTERY



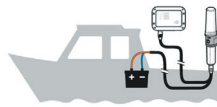


GPS

FEATURES

- | Certified AIS Class B Transmitter
- | Power from battery or solar powered system
- | Ruggedized for long term external use at sea
- | Fully integrated GPS and VHF antenna system.

FLEXIBILITY TO POWER FROM VESSEL / BATTERY / SOLAR
TYPICAL INSTALLATIONS SHOWN BELOW:

	I100-X Internal Battery Powered
	I100-X Connected to vessel power (requires additional cable 301-0130)
	I100-X connected to vessel power and using additional LED Indicator Box - requires LED Indicator Box Kit 417-0068

PHYSICAL & ENVIRONMENTAL SPECIFICATION

Size (H x W)	370 x 67mm
Weight	355g
Operating temperature	-25°C to +55°C
Storage temperature	-25°C to +70°C
Ingress protection	IPx8 (1.1m 30 mins)

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 +A1:2009 +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 & GLONASS
Channels	72
Time to first fix from cold start	26s

VHF TRANSMITTER

VDL access scheme	CSTDMA
Operating frequency	156.025MHz - 162.025MHz
Channel bandwidth	25kHz
Receivers/transmitters	1 x transmitter
AIS transmitter power	2W (33dBm)

USER INTERFACE

Buttons	SOS
Indicators	Multicolour status indicator

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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
You will also require a Configuration Dock Product Code: 417-0074 (see accessories below). This is used to program the unit prior to deployment.

OPTIONAL ACCESSORIES

Power Cable

Product Code: 301-0130 -

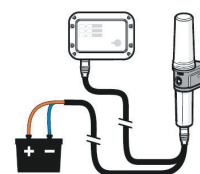
Power I100-X directly from power source - battery or solar powered system.



Indicator Box

Product Code: 417-0068 -

The I100-X Indicator Box will allow you to view the system, power and geofence status remotely from the I100-X unit itself, as well as indicating whether the unit is inserted in the correct bracket. NOTE: the Indicator Box can only be used when the I100-X is permanently powered. The Indicator Box is supplied with all cables required for the Indicator installation.



Configuration Dock

Product Code: 417-0074 -

I100-X must be programmed before use and requires a configuration dock. This can be used to program multiple I100-X's and can also be used as a spare charger.



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.