



AIS Identifier Transceiver

Product Type: Standard OEM

Fully integrated, battery powered AIS transceiver designed for reliable low cost vessel tracking. The Identifier is fully inter-operable with all AIS systems and transmits a full AIS Class B message. Both GPS and VHF antennas are integrated within a toughened waterproof security shell. Multiple, innovative security features permit easy deployment and use coupled with high integrity.

- Fully integrated and protected GPS and VHF antennas
- Over 5 days of continuous battery operation between charges
- Robust. Shock and waterproof (IPx8)
- Extensive optional features including VDR, GeoFence and SART
- Configurable CSTDMA or SOTDMA operation



Manufactured to the highest international quality standards ensuring reliability in all environments



Enhanced AIS technology allows optional SOTDMA or CSTDMA access schemes



Unique secure mounting bracket system prevents authorized removal and swapping between vessels

Branding

Our OEM products are supplied fully branded as per your specific requirements. This includes the product, all manuals and packaging such that upon arrival they are instantly ready for you to ship to your customers.

Customisation

SRT products offer unmatched capability to be customised for specific applications and markets. Additional features and functions can be specified and implemented and range from the simple to complex encryption and messaging features.

Certification

This product is fully tested and certified to the relevant international standards and product specifications. As part of the OEM customisation process into your brand, international certification can be transferred into your brand name within a matter of weeks.



Physical Specification

Dimensions	375mm x 67mm max. (H x D)
Weight	350g (Identifier unit only)
Mounting bracket	min / max pole diameter: 25mm to 55mm

Electrical Specification

Power supply	Built in 2100mAh Lithium-Ion battery pack
Operating time	Up to 7 days (depending on configured reporting rate)
Charge time	5 hours - Charging dock supplied with universal input AC adapter

Connectors

Single waterproof power and configuration connector built into base of the Identifier	✓
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Data Interfaces

USB interface for configuration (via optional configuration dock)	✓
Batch configuration can be performed at manufacture on request	✓

User Interface

Status LED	✓
SOS button with configurable messaging	✓

GPS Receiver (AIS internal)

IEC61108-1:2003-07 Ed. 2.0 compliant 50 channel receiver	✓
WAAS / EGNOS enabled for improved position accuracy	✓

VHF Transceiver

Transmitter	x 1
Receiver	x 1
Frequency	156.025 to 162.025MHz in 25KHz steps
Output power	1W - 5W Customisable
Channel bandwidth	25KHz
Channel step	25KHz
Modulation modes	25KHz GMSK (AIS, transmit only)
Bit rate	9600 b/s (GMSK) and 1200 b/s (FSK)
Receiver sensitivity	< -107dBm

Environmental

IEC 60945	'Portable' category
Waterproof	Certified IPx8 Waterproof
Operating temperature	-20°C to +55°C

Certification

AIS Standard (Relevant parts of)	IEC62287-1:2010-11 IEC61097-14:2010 ITU-R M.1371-4 Universal AIS Technical Characteristics
Environmental standards	IEC60945:2002-08
Safety Standard	EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011
GPS Performance standard	IEC61108-1:2003-07
The Identifier is tested and certified by SRT to operate within the AIS standards transmission requirements to ensure complete operational integrity and interoperability with all AIS devices	

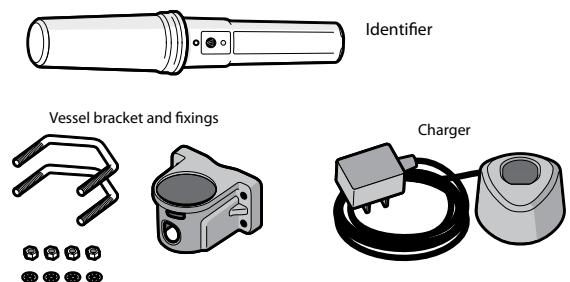
Programming

Identifier must be programmed with vessel details. Units can be supplied pre-programmed, or programmed locally using the optional secure programming dock and PC tool. Programming Kit sold separately	✓
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Configuration

The Identifier can be configured to operate in either CSTDMA or SOTDMA modes	✓
Transmit frequency, security features, geo-fence, emergency alerts can all be configured	✓

What's In The Box



Optional Accessories

Power box (I100-XP)	Order code: 417-0006
Configuration pack	Order code: 417-0005 - at least one required for configuration
Mounting pole	Order code: 417-0029
Security fixing pack	Order code: 417-0025
Data capture app	Order code: 604-0001 - Android Order code: 604-0002 - iOS
To read more about the optional accessories please go to www.srt-marine.com	

Dimensions

