IDENTIFIER
AIS Class B Transponder
Product Type: OEM White Label

CE

AIS Class B Transponder with integrated VHF and GPS antennas. Internal rechargeable battery provides backup or primary power for up to 15 days continuous operation. Completely weather and water proof (IP66, IP67 and IPx8). Multiple configurable security and anti-tamper features. Ideal for small vessel tracking applications.

- Fully integrated and protected GPS and VHF antennas
- Multiple power options solar / vessel / battery
- Robust. Shock and waterproof (IP66, IP67 and IPx8)
- Extensive optional features including VDR, geofence and SOS/SART
- Configurable CSTDMA or SOTDMA operation
- SAT-Trak satellite tracking technology for extended range tracking
- Secure 6 month voyage data recorder functionality option
- Anti-Tamper security features
- Integrated HF-AIS™ core technology delivers exception operational performance
- SAT-Trak satellite tracking technology for extended range tracking

HF-AIS   SAT-Trak

Transmits full AIS Class B message

Full eco-system of installation accessories. Fits any vessel

Certified compliant to ITU and IEC AIS standards

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.

CE

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
Battery only	15 days continuous operation
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	✔

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
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

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	✔

Optional Accessories

Power Vessel Interface

Programming Kit and PC Tool

Product Code:	417-0006	Product Code:	417-0047
Should a permanent power installation be possible, the power vessel interface enables the identifier to be permanently installed and powered.		The identifier must be programmed prior to installation. Units can be supplied pre-programmed or multiple units can be programmed locally using the programming kit and PC tool.	

To read more about the optional accessories please go to www.srt-marine.com

What's In The Box

Identifier

375mm max

67mm max

Accessories

In order to operate, the following accessories must be purchased

Vessel bracket and fixings

The identifier is fixed into position using the secure vessel bracket and fixings system.

Product Code: 417-0025

Charger

If the identifier is not connected to a permanent power source it will require charging.

Product Code: 417-0020

SRT enhances maritime domain awareness by developing and manufacturing tracking technology and system solutions for individual vessel owners, port authorities, maritime infrastructure owners, coast guards and national security agencies around the globe. Applications include the tracking of commercial and leisure vessels; sustainable fishery; anti-collision; search and rescue; waterway management, port and coast security; pollution 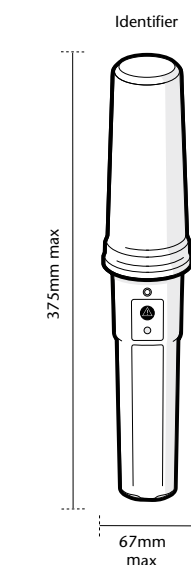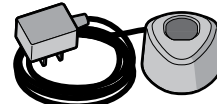management and environmental management.