

POSEIDON CLASS A AIS Transceiver

Product Type: OEM White Label



The world's best selling AIS Class A Transceiver. Compact, reliable, tough with exceptional performance. Easy to install and use. Internationally certified SOLAS, USCG, FCC, MED, CE.

- Globally certified for both deep sea SOLAS and inland waterway operation
- Proven operational performance and reliability
- Easy to use multi-lingual user interface
- Tough, rugged commercial quality
- Low power consumption
- Dual graphic and text display
- Integrated HF-AIS™ technology performance



Easy, plug and play connectivity with all existing bridge systems



Tough, water resistant commercial quality



Feature rich with intuitive, multi-lingual text & graphic menu system

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	138 x 210 x 105mm (D x W x H)
Weight	1.4kg

Electrical Specification

Power supply	12 to 24VDC
Power consumption	10W

Connectors

VHF antenna connector	SO-239 (UHF)
GPS antenna connector	TNC
RS232	9 way D type
IEC61162 interfaces and alarm	50 Way D-type connector (for connection to Junction Box)
Power	Four pin circular

Data Interfaces

IEC 61108-1 compliant	✓
IEC61162-2 bi-directional interfaces x 3	✓
IEC61162-1/2 sensor inputs x 3	✓
DGPS correction data input (ITU-R M.823-2)	✓
RS232	✓

User Interfaces

240 x 128 LED backlit LCD display	✓
Rotary encoder for selection and entry	✓
Two softkeys and two menu keys	✓

Standards Compliance

AIS standard	IEC61993-2 standard, Class A shipborne equipment
Environmental standard	IEC60945 Edition 4 'Protected' category IEC standard,
Serial data interface standards	IEC61162-1 IEC61162-2 Edition 2
GPS performance standard	IEC61108-1 IEC standard, GPS receiver equipment
Product Safety	EN60950-1:2006, +A11:2009 +A1:2010 +A12:2011

Environmental

IEC 60945	'Protected' category
Operating temperature	-15°C to +55°C

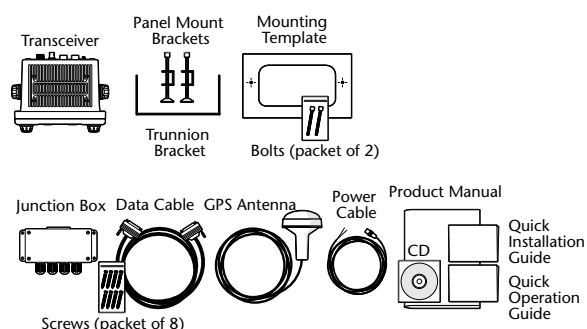
VHF Transceiver

Transmitter	x 1
Receiver	x 3
Frequency	156.025 to 162.025MHz in 25KHz steps
Output power	12.5W or 1W (automatic)
Channel bandwidth	25KHz
Channel step	25KHz
Modulation modes	25KHz GMSK (AIS, TX and RX) 25KHz AFSK (DSC, RX only)
Bit rate	9600 b/s (GMSK) and 1200 b/s (FSK)
Receiver sensitivity	<-107dBm @ 20% PER
Adjacent channel selectivity	70dB
Spurious response rejection	70dB

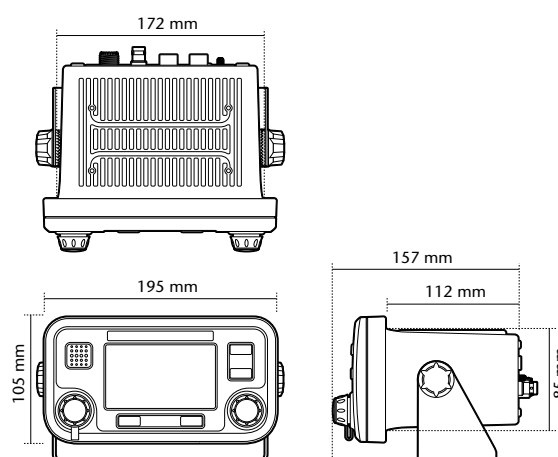
GPS Receiver (AIS Internal)

Compliance	IEC61108-1
Glonass	Option available

What's In The Box



Dimensions



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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.

Contact us now for your OEM requirements:

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