

# NEON

## AIS Class B Transceiver (factory configurable)

Product Type: Standard OEM

The world's best performing AIS Class B Transceiver. Small, tough and IP67 certified, Neon Class B also includes an integrated GPS antenna making an external GPS antenna optional. Unique design permits extensive customisation of features and functions to suit any market and application.



- Globally certified to ITU and IEC AIS standards
- Toughened, UV stable, IP67 waterproof shell
- Internal GPS antenna (external optional)
- WiFi and Voyage Data Logger
- Dual NMEA0183 and NMEA2000 data output
- Low power consumption
- Anti-tamper Security Feature
- Configurable
- Integrated HF-AIS™ core technology delivers exceptional operational performance
- SAT-Trak satellite tracking technology for extended range tracking

### Configuration options

	2W CSTDMA	2W CSTDMA	5W SOTDMA	5W SOTDMA
	NEON 413-0090	NEON+ 413-0093	NEON 413-0095	NEON+ 413-0097
WiFi / Bluetooth		✓		✓
Anti-tamper		✓		✓
Anti-spoofing	✓	✓	✓	✓
SAT-Trak	✓	✓	✓	✓
VDR		✓		✓



HF-AIS™ core technology delivers exceptional operational performance



Multiple interface options including NMEA0183, NMEA2000, USB and WiFi



Multiple configuration options

### 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	140 x 100 x 42mm (D x W x H)
Weight	280g

## Electrical Specification

Power supply	12 to 24VDC
Power consumption	150mA @ 12VDC, <2W average

## Data Interface

NMEA2000	✓
WiFi	✓
USB	✓
IEC61162-1 (NMEA0183) output, 38400 baud	✓
IEC61162-1 (NMEA0183) 1 x bidirectional*	✓
IEC61162-1 (NMEA0183) input, 4800baud	✓
Silent mode switch input	✓

\*for Neon+ only, 38400 baud

## User Interface

LED indicator for power	✓
LED indicator for transmit timeout	✓
LED indicator for error	✓
LED indicator for silent mode	✓

## VHF Transceiver

Transmitter	x 1
Receiver	x 2
Frequency	156.025 to 162.025MHz
Output power	2W or 5W
Receiver sensitivity	<-110dBm @20% PER

## GPS Receiver

Channels	50
Compliance	IEC61108-1
Extras	GLONASS

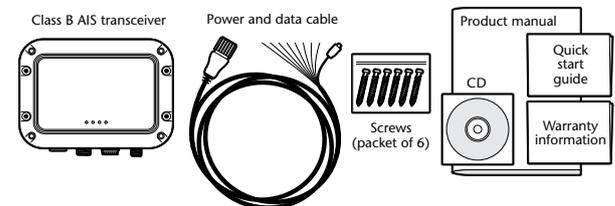
## Standards Compliance

AIS Standards	IEC62287-1 Ed 2.1 IEC62287-2 Ed 1.0 ITU-R M.1371-5
Environmental standard	IEC60945 Edition 4
Serial data interface standards	IEC61162-1 Ed 5.0 IEC61162-2 Ed 1.0
GNSS performance standards	IEC61108-1 Ed 2.0 IEC61108-2 Ed 1.0
NMEA2000® interface standard	NMEA2000® Edition 2.20
Product Safety	EN60950-1 2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013
WiFi	FCC U30-G2M5477

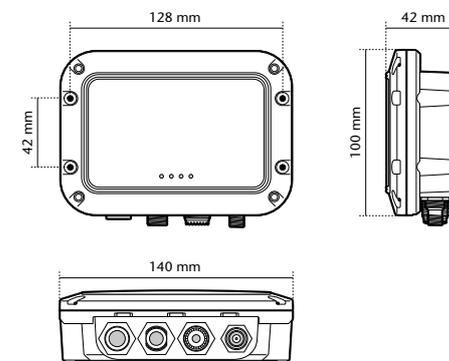
## Environmental

Waterproof	IP67 rated for water ingress
IEC 60945	'Protected' category
Operating temperature	-15°C to +55°C

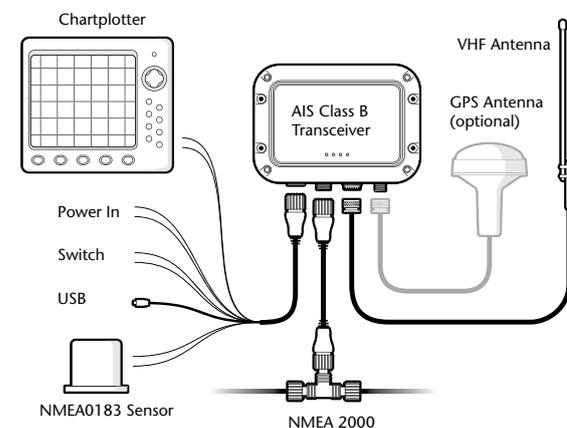
## What's In The Box



## Dimensions



## System Diagram



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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