



NEON2 AIS Class B Transceiver Standard OEM

Product Code 413-0001



An internationally certified waterproof AIS Class B. At its heart is SRT's Cobalt Class B module, ensuring superlative performance and reliability with ample redundancy on board.

This permits additional functionality customisation, such as encryption and tailored messaging. NMEA0183, NMEA2000 and USB interfaces are standard. The NEON2 Class B is ruggedized and certified IP67 waterproof and is therefore suitable for both internal and external installations. It has

an integrated GPS antenna and connector for an optional external antenna.

NEON2 Class B can be extensively customised for your branding requirements including the transfer of formal certifications.

Applications include



Leisure



Commercial



Security



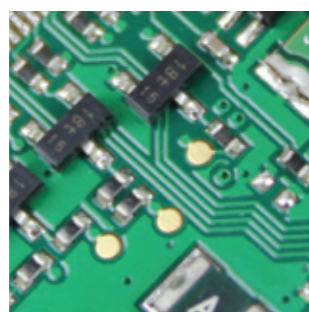
Safety



Small integrated product, easy to install



Multiple interface options including NMEA0183, NMEA2000 and USB



Integrated GPS antenna

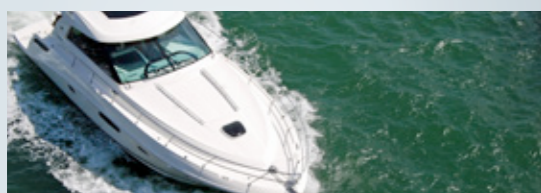


Highly configurable core technology platform



Internationally tested, approved and certified

Features



- Superlative operational performance
- Ruggedized and certified IPx7 waterproof for years of reliable service
- SDR radio platform for maximum performance and radio configurability
- Internationally certified and approved
- Encryption and anti-tamper features available

Customisation



The NEON2 Class B can be extensively customised to meet virtually any requirement.

- Full brand customisation, including plastic colour, fascia changes
- Transfer of formal approvals and certification into your brand
- Additional feature implementation
- Encryption to military standards

Specifications

VHF transceiver

- Transmitter x 1 / Receiver x 2
- Frequency: 156.025 to 162.025 MHz in 25KHz steps
- Output power: 2W
- Receiver sensitivity: <-110dBm @ 20% PER

Supplied with

- 2m power and NMEA0183 data cable
- 1m USB cable
- proAIS2 configuration software
- User manual and quick start guide
- Fixing screws

GPS Receiver (AIS internal)

- 50 channels
- IEC 61108-1 compliant
- Glonass option available

Designed to be compliant with the following standards

- IEC62287-1 Edition 2
- ITU-R M.1371-4
- IEC60945 Edition 4
- IEC61162-1/2 Edition 2
- IEC61108-1
- NMEA2000® Edition 2.20

Environmental

- IPx7 rated for water ingress
- IEC 60945 'Protected' category
- Operating temperature: -15°C to +55°C

Power

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

Data interfaces

- USB
- NMEA2000®
- IEC61162-1 (NMEA0183) output, 38400baud
- IEC61162-1 (NMEA0183) input, 4800baud
- Silent mode switch input

Physical

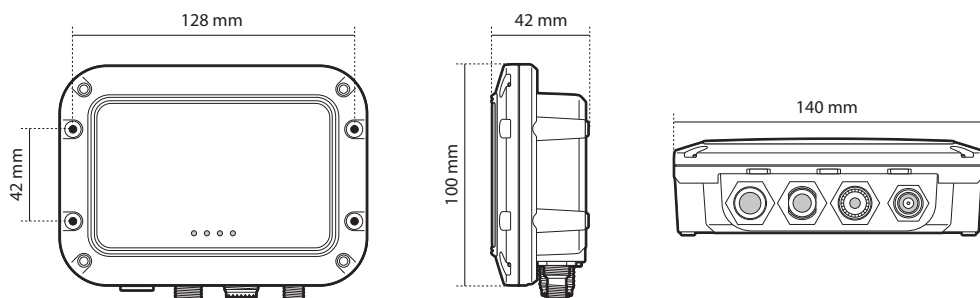
- Dimensions: 140 x 100 x 50 mm (D x W x H)
- Weight: 280g

User Interface

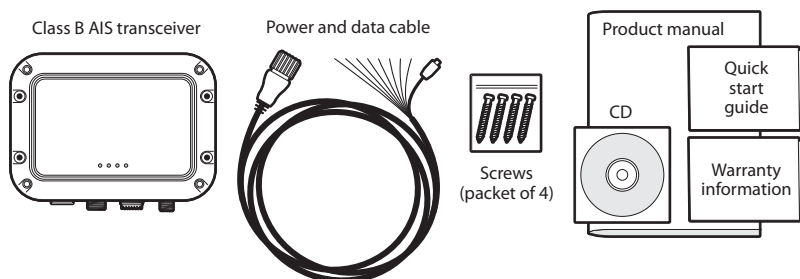
- Four LED indicators for power, transmit timeout, error and silent mode

International type approvals including:





What's in the box...



About SRT Marine Technology

SRT Marine Technology is the world's leading AIS technology expert and developer. Since 1998 the company has been developing and providing world class AIS and other high performance radio systems for customers around the world. Using the most advanced SDR architectures and development techniques, SRT Marine Technology ensure maximum field performance and reliability within the smallest form factor.

Customers can choose from a range of flexible solutions, from core technologies and modules to complete

turn-key OEM and custom products covering all AIS applications. From the most complex of AIS products such as encrypted Class A units and AtoNs to dual channel receivers, SARTS, Splitters and Class B units, SRT Marine technology has a solution for all customer requirements.

Customers around the world choose SRT Marine Technology due to the quality and performance of our products, as well as the knowledge that we are constantly broadening our product range – and therefore the opportunities for our customers.



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