

i PREVIOUSLY KNOWN AS THE AIS-3R



RECEIVERS

R200U DUAL CHANNEL AIS RECEIVER WITH NMEA & USB OUTPUT

SKU: 001-1034

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FEATURES

- **Dual parallel receivers**
- **Power & channel LEDs**
- **USB 2.0 compliant**
- **Low power consumption**
- **Compact design**
- **USB powered**
- **12/24 volts dc powered**
- **NMEA 0183 VDM output**
- **Built in NMEA multiplexer**

OVERVIEW

The R200U is a high performance, dual channel AIS receiver, with outputs for both NMEA 0183 and USB. The R200U reads and decodes all AIS messages that are specified and transmitted by AIS Class A and Class B transponders, AIS SARTs and Aids to Navigation. The AIS targets together with all the static and dynamic information received can be displayed on any AIS compatible Chart Plotter or PC navigation program.

The unit can be operated in various modes to suit your application. If connected solely by a USB cable to a PC, the unit is powered by the PC and data is transmitted via the USB cable providing a compact solution. Whilst powered by the USB, NMEA 0183 output is also available from the Power/Data port. NMEA 0183 Input from a GPS can also be connected via the Power / Data port which is multiplexed with the AIS data to provide position information to the PC.

Connecting the unit to external 12/24VDC will automatically power the device from the boat's batteries and provide both USB and NMEA 0183 data.

APPLICATIONS

- A low cost method of monitoring the position, speed and heading of other vessels within VHF range
- Reception from both Class A and Class B vessels, AIS SARTS plus Aids to Navigation (AtoN)
- Compact design and simple installation

RELATED PRODUCTS

[R400N](#) - Network AIS Receiver with Ethernet capability

[R400NG](#) - Network AIS receiver with Ethernet & GPS capability

PHYSICAL

| | |
|----------------------|--|
| Weight: | 400g |
| Dimensions: | L 120 mm W 86 mm D 37 mm |
| Mounting: | To flat surface |
| Connections: | Power/Data: 6-way Plug and Socket Antenna: BNC Coaxial USB 2.0 Port: Type B Supplied: PL259 to BNC Antenna Adaptor Supplied: USB Cable |
| Construction: | Aluminium, ABS End Caps |
| Finish: | Black Fine Texture Paint, Grey ABS |

ELECTRICAL

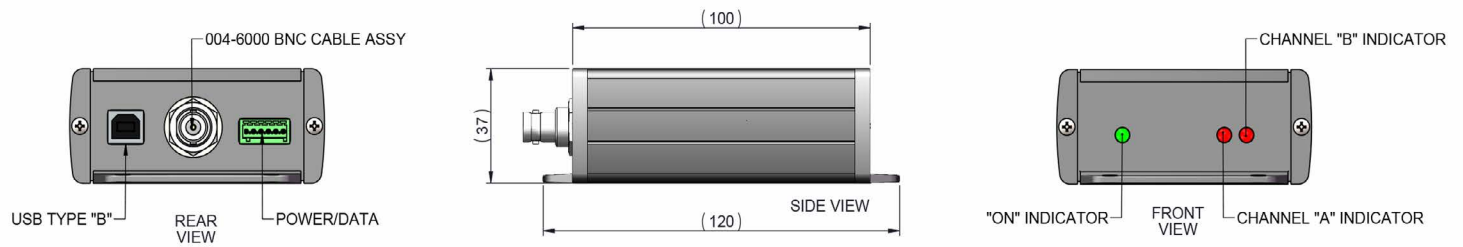
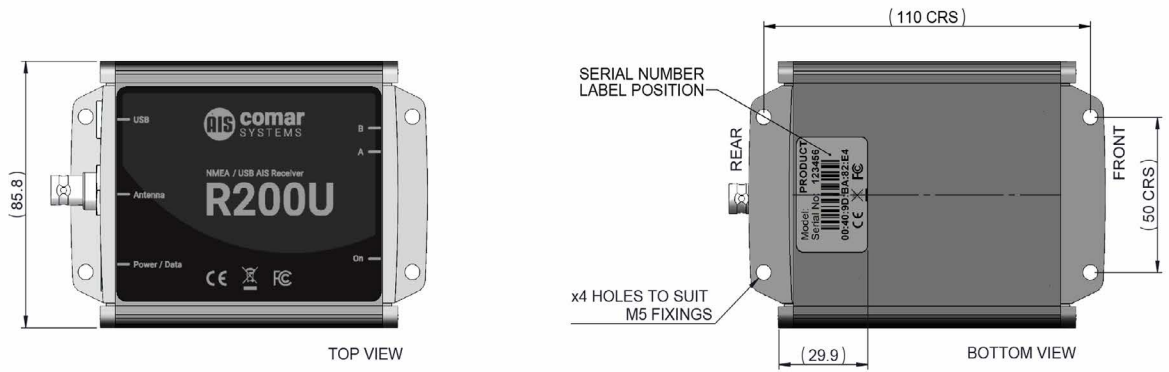
| | |
|----------------------|----------------------------|
| Power Supply: | 9-30 V dc or USB |
| Current: | 100mA @ 12 V dc |
| Input: | NMEA 0183 at 4800 |
| Output: | NMEA 0183 at 38,400 or USB |

ADDITIONAL

Cable core Colours: RED: Positive (+) Power 12/24V DC BLACK: Negative (-) Power 12/24V DC YELLOW: +NMEA Output GREEN: -NMEA Output BLUE: -NMEA Input WHITE: +NMEA Input R400N receiver

RECEIVED INFORMATION

- Name of Vessel
- MMSI Number
- Position
- Speed (SOG)
- Course (COG)
- Type of vessel
- Call sign
- Heading
- Rate of Turn
- Navigational Status
- Vessel Dimensions
- Destination



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