

ACR NAUTICAST-B AIS TRANSPONDER

"See and Be Seen by Commercial Vessels"

The Nauticast-B is a Class B Automatic identification System (AIS) transmit-and-receive transponder designed for recreational and commercial small craft. ACR's Nauticast-B AIS not only will transmit vessel information to surrounding traffic, but also allows the user to participate with neighboring vessels to avoid collisions.

An easy to install AIS solution with a data power cable and VHF and GPS antennas, the Nauticast-B AIS allows users to announce identity, position, speed and course over ground to oncoming traffic – a major safety advantage especially effective in low visibility conditions. The Nauticast-B data interface can communicate directly through the user's chart plotter or computer based



navigation software. It can function as an AIS Class B transponder, a GPS receiver and a dual channel AIS receiver – all at the same time.

It features a remote Safety Related Message (SRM) send button that saves the precise coordinates of an emergency incident and immediately generates a safety distress message to surrounding vessels. The SRM can be configured to allow users to operate in a stealth mode by only receiving AIS data and not sharing for added security to avoid being noticed by pirating vessels.

Technical Data:

- Power supply – 9.6 to 15.6 VDC
- Power consumption - Avg. 4W
Peak current rating 2A
- Output Power – 2W (33dBm \pm 1.5dB)
- GPS Receiver -- AIS Internal, IEC 61108-1 compliant
- Electrical Interfaces – RS232 38.4 baud
Bidirectional
- Physical Dimensions – 7.8 x 6.2 x 1.84 in.
(18 x 15.8 x 4.7 cm)
- Weight – 13.2 oz. (375g)
- AIS1: 161.975 MHz – Frequency 156.025-162.025 MHz in 25kHz steps
- AIS2: 162.025 MHz – Frequency
- Connectors – VHF Antenna connector (UHF female bulkhead connector)
GPS Antenna connector (TNC female bulkhead connector)
- Interface Cable – 15 pin DSUB connector with 4 leads: Data-RS232; Data-RS422; Remote switch; power
- VHF Transceiver – Transmitter x1
Receiver x 2 (one receiver time shared between AIS and DSC)
- Operating Temperature -- -13° to 131° F
(-25° to 55° C)



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