

HIGH TRANSMIT POWER (5W SOTDMA)

B200 CLASS B | AIS Transceiver



DESCRIPTION

The B200 is a high transmit power (5W) priority AIS Class B with internal emergency battery power back that enables continuous operation for up to 12 hours and emergency transmit only operation for up to 120 hours providing critical safety in the event of vessel power loss.

Waterproof and ruggedized to operate continuously and reliably for years in the most extreme marine environments; combined with WiFi and Bluetooth functionality for quick and easy connection to any display system or navigation app.

FEATURES

- | Certified AIS Class B - 5W SOTDMA
- | Ruggedized and impervious to extreme environments - water (IP67), damp, shock, vibration, temperatures
- | High Performance latest generation GPS
- | Internal battery back-up for up to 120hrs operation - charge is automatically maintained by primary vessel power and automatically switches to battery if lost
- | WiFi & Bluetooth wireless connectivity
- | NMEA0183 & NMEA2000
- | Low power consumption
- | Anti-tamper protection
- | Enhanced RF screening to protect against electromagnetic interference
- | Built-in power surge protection

PHYSICAL SPECIFICATION

Size	171mm x 128mm x 60mm
Weight	350g

ELECTRICAL SPECIFICATION

Power Supply	6 to 36V Maximum Battery Capacity
Power Consumption	<12W
Power Source	Multiple - Vessel/Battery/Solar

CONNECTORS

VHF Antenna Output	SO-239 / UHF
GNSS Antenna	TNC
Power	Provided On 2 Pin Connector
NMEA0183	Provided On 14 and 18 Pin Connectors
Silent Mode	Provided On 14 Pin Connector
NMEA 2000	NMEA2000 Micro Connector

DATA INTERFACES

NMEA2000	
WiFi	
Bluetooth	
USB	
IEC61162-1 (NMEA0183)	Bidirectional
IEC61162-1 (NMEA0183)	Input, 4800baud
Silent Mode	Switch Input

TEMPERATURE

Operational	-25°C to +55°C
Storage	-25°C to +70°C

CERTIFICATION

Com Standards - Configurable	AIS: ITU-R M.1 371 & IEC62287-2 / Multi-mode SAT-Trak
Environmental	IEC60945:2002 IP66 & IP67
GPS Performance	IEC61108-1:2003
Safety	IEC62361-1
WiFi & Bluetooth	FCC U30-G2 M5477
GNSS Performance Standards	IEC61108-1 Ed 2.0 GPS
EC61108-2 Ed 1.0	GLONASS

IN THE BOX

1 X AIS TRANSCEIVER
1X POWER CABLE (2M)
1 X ANTI-TAMPER BRACKET
2 X ANTI-TAMPER LOCKING PLATES
1 X FIXING PACK
1 X MOUNTING TEMPLATE

WARRANTY

With em-trak you can buy with confidence. If you are unhappy with your new product for any reason, within two days of receipt and subject to the product and packaging being complete and undamaged, you may return it to us for a full refund. We are sorry, but we cannot accept the return of any product if you have not advised us in writing within 48 hours of receiving your em-trak product, or if it has been used and or damaged or if any of the package is incomplete. All em-trak products benefit from our three year global warranty. In the unlikely event of a problem, please contact our Customer Support department (24/7) at support@em-trak.com and one of our experts will work with you to instantly resolve your issue or arrange the repair or replacement of your em-trak product. The warranty is invalidated if the product has been incorrectly used, damaged or tampered.

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B200 CLASS B I AIS TRANSCEIVER
INSTALLATION GUIDE