



V3100 SOTDMA Class B

The V3100 Class B AIS is designed to meet the needs of light commercial vessels and workboats operating in high-traffic areas. SOTDMA technology and increased transmission power enhance transmission frequency, reliability, and range compared to standard Class B AIS. This 'black-box' solution integrates with Simrad displays, and features industry-standard connectivity.



Increased Transmission Frequency and Reliability

The V3100 Class B AIS incorporates the same SOTDMA technology found in Class A solutions. This self-organising transmission technology allows the system to negotiate a regular transmission timeslot with other AIS units in range, facilitating more frequent and reliable position updates in high-traffic areas. The V3100 transmits updates, based on vessel speed, up to once every five seconds; this provides up to six times the reporting frequency of standard Class B AIS.

Increased Transmission Range

The V3100 features a maximum transmission power of 5 Watts, 2.5 times the transmission power of standard Class B AIS solutions. This allows vessels equipped with the V3100 to be detected over AIS at a greater range, and provides more reliable transmission to satellite-based AIS receivers.

Integrated 'Black-Box' Solution

This 'black box' AIS solution is designed to work with Simrad multifunction displays, and other NMEA 2000® or NMEA 0183® connected marine electronics. Output to a standard PC is also supported via USB connectivity. The V3100 is contained in a compact IP67 water-resistant housing, and includes a built-in SD card slot for standalone AIS data logging.

FEATURES

- Enhanced performance compared to standard Class B AIS
- Transmit over greater distances with 5-Watt output power
- Transmit more frequent position updates with SOTDMA
- Greater transmission reliability in high-traffic areas
- Integrated 'black-box' solution
- NMEA 2000®, dual NMEA 0183®, and USB connectivity
- IP67 water-resistant housing
- Built-in SD card slot for AIS data logging

SPECIFICATIONS

Access Scheme	SOTDMA
Product Width	177 mm / 6.97 in
Product Depth	132 mm / 5.20 in (exclude connector)
Product Height	60 mm / 2.36 in
Product Weight	500 g
Waterproof	IP67
Supply Voltage	12V / 24V DC, 3A
Power Consumption	Typically less than 3W average@ 12V DC
Standard Magnetic Compass	0.3 m
Steering Magnetic Compass	0.3 m

CONNECTION INTERFACE

GPS Antenna	TNC with adaptor to SMA
VHF Antenna	S0 - 239
NMEA 2000	Yes
NMEA 0183	x2
Silent Switch	Yes
Internal Alarm Relay	Yes
USB	Yes



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