

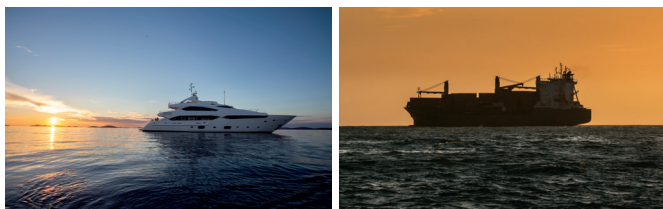


## AIS4000

### CLASS A AIS TRANSCEIVER

Designed for commercial vessels, luxury yachts, and SOLAS high-seas shipping, the AIS4000 Automatic Identification System (AIS) transceiver delivers robust Class A AIS network capability and is engineered to withstand the harsh weather, shock, and vibration of any vessel class.

The AIS4000 boasts a high definition color display for quick access to integrated charts, alarms, and tracking. Additional support for wired and wireless networking with shipboard systems make AIS4000 the world's most sophisticated SOLAS and Inland Waterway-certified Class A transceiver.



### BOLD, BRIGHT, AND HIGHLY CAPABLE

The full-featured AIS4000 brings a new level of functionality to Class A transceivers.

- Large 5" 800 × 480 color display
- Navigation chart display via SD card
- Integrated Wi-Fi
- NMEA 2000
- Easy-to-use, intuitive interface

### ADVANCED CLASS A AIS CAPABILITIES

AIS4000 is a full-function Automatic Identification System transceiver certified for SOLAS and Inland Waterway applications.

- Fourth generation AIS technology for expanded speed, range, and processing performance
- Full color target display with optional C-MAP ENC mapping
- Integrated Man Overboard/PLB alerting and tracking system
- CPA/TCPA data and alarms

### RUGGED AND VERSATILE

Designed for harsh conditions, AIS4000 is right at home on any vessel class.

- Certified to the highest industry standards for waterproofness, shock, and vibration
- Compact enclosure with NMEA2000 and NMEA0183 connectivity
- Junction box included for expanded shipboard sensor and ECDIS connectivity
- Flexible overhead, bulkhead, desktop, and surface mount options

# AIS4000 SPECIFICATIONS

Physical	AIS4000
Dimensions	5.98 x 6.50 x 3.11 inches (152 x 165 x 79 mm)
Weight	4.40 lbs (2 kg)
Electrical	
Power supply	12 to 24 VDC
Power consumption	< 12W
Connectors	
VHF antenna connector	Yes
GNSS antenna connector	Yes
Power	Two-pin connector (cable provided)
Serial interfaces and alarm relay	18-pin connector (cable provided)
Serial inputs	14-pin connector (cable provided)
NMEA 2000	NMEA 2000 micro connector
Data Interfaces	
NMEA 0183 (IEC61162-2) bi-directional ports	3
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DGPS correction data input (ITU-R M.823-2)	1
Alarm relay output	1
NMEA 2000	1
Wi-Fi	802.11 b/g/n
Pilot port	1 (optional)
Standards Compliance	
AIS standard	IEC 61993-2 Ed 2.0 ITU-R M.1371-5
Serial data interface standard	IEC 61162-1 Ed 4.0 IEC 61162-2 Ed 1.0 IEC 61162-3 2008 Ed 1.2
Environmental standard	IEC 60945 Ed 4.0
GNSS performance	IEC 61108-1 Ed 2.0 IEC 61108-2 Ed 1.0
Product safety	IEC 60945 Ed 4.0

VHF Transmitter	
Transmitter	1
Receiver	3
Frequency	156.025 MHz to 162.025 MHz
Output power	1 W or 12.5 W (automatic)
Channel bandwidth	25 kHz
Channel step	25 kHz
Modulation modes	GMSK-TDMA
Bit rate	9,600 bits/sec
Receiver sensitivity	-107 dBm @ 20% PER
GNSS Receiver and Antenna	
Channels	72
GNSS systems	Supports parallel dual mode operation from GPS, GLONASS, and BeiDou
IEC61108-1	Compliant
IEC61108-2	Compliant
GNSS antenna	Supplied
User Interface	
5" 800 x 480 full color LCD display	
Rotary encoder for selection and entry	
Four menu keys and four direction keys	
microSD™ slot for software updates and charts	
Environmental	
Waterproof	IPx6 and IPx7 rated for water ingress
IEC 60945	'Protected' category
Operating temperature	-15°C to 55°C
Package Contents	
AIS4000 Transceiver	
Mounting bracket	
Power cable	
Junction box	
GNSS antenna	
Interface cable (x2)	
AIS4000 literature pack	

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