



# AIS4000

## CLASS A 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 colour display for quick access to integrated charts, alarms, and tracking. Additional support for wired and wireless networking with shipboard systems make AIS4000 a premier SOLAS and Inland Waterway-certified Class A transceiver.

### FEATURES

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 colour target display with optional C-MAP ENC mapping
- Integrated Man Overboard/PLB alerting and tracking system
- CPA/TCPA data and alarms
- Large 5" 800 × 480 color display
- Integrated Wi-Fi
- NMEA 2000
- Easy-to-use, intuitive interface

# AIS4000 SPECIFICATIONS

	AIS 4000
<b>Dimensions</b>	152 mm × 165 mm × 70 mm (5.98 x 6.49 x 2.75)
<b>Weight</b>	1 kg (2.2lb)
<b>Power Supply</b>	12 to 24 VDC
<b>Power Consumption</b>	0.5A at 12v (6W)
<b>Waterproofing</b>	IPx6 and IPx7-rated for water ingress
<b>Operating temperature range</b>	-15°c to +55°c
<b>CONNECTORS</b>	
<b>VHF antenna connector</b>	Yes
<b>GNSS antenna connector</b>	Yes
<b>Power</b>	Two-pin connector (cable provided)
<b>Serial interfaces and alarm relay</b>	18-pin connector (cable provided)
<b>Serial inputs</b>	14-pin connector (cable provided)
<b>NMEA 2000</b>	NMEA 2000 micro connector
<b>DATA INTERFACES</b>	
<b>NMEA 0183 (IEC61162-2) bi-directional ports</b>	3
<b>NMEA 0183 (IEC61162-1) bi-directional ports</b>	3
<b>GPS correction data input (ITU-R M.823-2)</b>	1
<b>Alarm relay output</b>	1
<b>NMEA 2000</b>	1
<b>Wi-Fi</b>	802.11 b/g/n
<b>Pilot Port</b>	1 (optional)
<b>STANDARDS COMPLIANCE</b>	
<b>AIS standard</b>	IEC 61993-2 Ed 2.0 / ITU-R M.1371-5 / CCNR VTT Ed 2.0
<b>Serial data interface standards</b>	IEC 61162-1 Ed 4.0 / IEC 61162-2 Ed 1.0 / IEC 61162-3 2008 Ed 1.2
<b>Environmental Standard</b>	IEC 60945 Ed 4.0
<b>GNSS performance standard</b>	IEC 61108-1 Ed 2.0 / IEC 61108-2 Ed 1.0
<b>Product safety</b>	IEC 60945 Ed 4.0
<b>VHF TRANSCEIVER</b>	
<b>Transmitter</b>	1
<b>Receiver</b>	3
<b>Frequency</b>	156.025 MHz to 162.025 MHz
<b>Output Power</b>	1 W or 12.5 W (automatic)
<b>Channel Bandwidth</b>	25 kHz
<b>Channel Step</b>	25 kHz
<b>Modulation Modes</b>	CMSK-TDMA
<b>Bit Rate</b>	9,600 bits/sec
<b>Receiver Sensitivity</b>	-107 dBm @ 20% PER
<b>GNSS RECEIVER AND TRANSCEIVER</b>	
<b>Channels</b>	72
<b>GNSS systems</b>	Supports parallel dual mode operation from GPS and GLONASS
<b>IEC61108-1</b>	Compliant
<b>IEC61108-2</b>	Compliant
<b>GNSS antenna</b>	Supplied
<b>USER INTERFACE</b>	
<b>Display</b>	5" 800 × 480 full colour LCD display
<b>Encoder</b>	Rotary encoder for selection and entry
<b>Keys</b>	Four menu keys and four direction keys
<b>MicroSD</b>	microSD™ slot for software updates and charts

For further information including full product specifications, go to our website [www.raymarine.com](http://www.raymarine.com)

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