

AIS RX YACHT

Navigation system



THE COMPLETE NAVIGATION SYSTEM

AIS RX YACHT provides you with

- ◆ an anti collision tool
- ◆ information about merchant ships with AIS
- ◆ navigation warnings from AIS stations
- ◆ accurate position from built in GPS
- ◆ enhanced navigational safety
- ◆ AIS presentation and navigation software
- ◆ dual channel reception
- ◆ metrological data with AIS from weather stations
- ◆ NMEA compatibility
- ◆ simple connection and setup



The AIS RX YACHT is an Automatic Identification System (AIS) receiver and GPS, creating a full navigation system in one unit. AIS RX YACHT makes it possible to navigate and display all SOLAS ships (Merchant ships) with AIS (Safety Of Life At Sea, a regulation from the International Maritime Organisation) as well as several other ships equipped with AIS.

AIS RX YACHT gives you an accurate position via the built in GPS. It will provide a collision avoidance tool and also make it possible to see behind islands and bends as well as to identify Aids to Navigation devices like buoys and lighthouses. It will be a complement to your navigation during darkness and low visibility.

AIS RX YACHT is the latest product for the pleasure craft market and brings enhanced safety and a whole new dimension to navigation. The high performance, low cost, GPS-AIS receiver unit, that provides reception of AIS data at a fraction of the cost of a conventional AIS transponder.

General Description

With the AIS RX YACHT you can display any AIS equipped vessel within VHF range on any type of AIS adapted display system. Information transmitted from vessels fitted with AIS Transponders include name, call sign, position, heading, speed, destination, type and size of vessel. The AIS RX YACHT is compatible with any chart/ECS and radar system capable of accepting standard NMEA 0183 AIS sentences. The installation is quick and simple, requiring only the connection to a VHF antenna, GPS antenna and computer (PC). AIS RX YACHT is the perfect complement to a radar and has an international standardized interface to various display systems like Electronic Chart Systems (ECS) or radars.

Technical specifications

AIS RX YACHT is a compact dual channel synthesised VHF receiver designed to receive and decode transmissions from stations fitted with AIS.

Electrical

Power supply range : 9 - 15 Volts DC
Power consumption : 1.5 W

Data output

Baud rate : 38400 output
4800 input GPS
Format : NMEA 0183
Output message : VDM, RMC
Input message : GPS NMEA

Receiver

Frequency : AIS1 161.975 MHz
AIS2 162.025 MHz
Sensitivity : -112dBm
Antenna impedance : 50 ohms



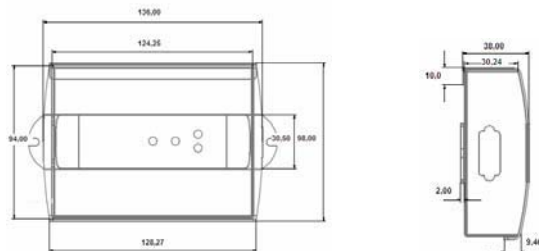
Example how AIS can be presented in a Electronic Chart System

GPS

12 independent tracking channels
Position accuracy better than 6 m (2 DRMS)

Physical

L x W x H: 136 x 98 x 38 (mm)
Weight : 400g
Connectors : Antenna BNC VHF
Antenna TNC GPS
Output/Input port: 9 pin D-sub



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