

# 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



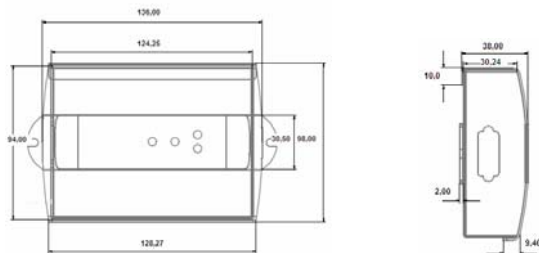
Example how AIS can be presented in a Electronic Chart System

**GPS**

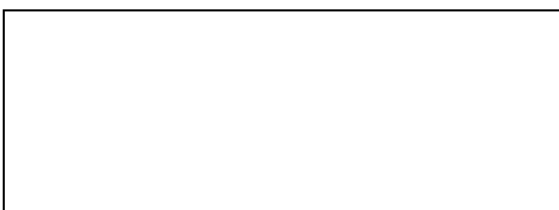
12 independent tracking channels  
Position accuracy better than 6 m (2 DRMS)

**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



**AIS RX YACHT BE A PROFFESIONAL AT A PLEASURABLE PRICE**



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