

# AIS RX LITE

## Automatic Identification System Receiver

The AIS RX LITE is an Automatic Identification System (AIS) receiver and GPS, making it possible display all ships and aids to navigation equipped with AIS.

With the AIS RX LITE you can display any AIS equipped vessel or aid to navigation 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. Information transmitted by aids to navigation include name, position, position on/off station indication, equipment status and other desired parameters. The AIS RX LITE 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 (optional) and computer.



AIS RX LITE

### Technical specifications

AIS RX LITE is a compact, dual-channel, synthesized 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

#### 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 : VHF Antenna BNC  
GPS Antenna TNC  
Output/Input port: 9 pin D-sub to a radar and has an international standardized interface to various display systems like ElectronicChart Systems (ECS) or radar

**Pharos Marine**   
**Automatic Power**

213 Hutcheson St. • Houston, Texas 77003 • (713) 228-5208 • Fax (713) 228-3717

*Technical Modifications Reserved Without Prior Notice*