



be aware be safe at sea

INFORMATION THAT CAN BE RECEIVED BY THE SLR200

- Name of vessel
- MMSI number
- Position
- Speed (SOG)
- Course (COG)
- Type of vessel
- Call sign
- Heading
- Rate of turn
- Navigational status
- Vessel dimensions
- Destination



## *Be safe at sea*

The SLR200 is a low cost dual channel AIS Receiver, designed specifically for the leisure marine, fishing boat and vessel monitoring markets. It enables boats sailing in busy shipping lanes to receive AIS (Automatic Identification System) information being transmitted from Class A transponders, as fitted to vessels over 300 tons, and non-mandatory Class B transponders, as fitted to small commercial and leisure craft.

Connected to an onboard PC running a compatible Navigation Program, or a dedicated Marine Chart Plotter, the information can be displayed on screen giving the skipper or navigator a visual interpretation of the name, position, course and speed of vessels within VHF range. The dual channel parallel receiver ensures that you receive the most up to date information regarding vessels position, speed and heading, providing accurate plotting of vessels.

### SLR200G

An optional model, SLR200G, is available fitted with an internal GPS receiver. When connected to an external GPS antenna the unit outputs its own vessels position, course and speed, together with the AIS data. This provides GPS and AIS data to the PC or Chart Plotter via only one port.

#### The SLR200 provides a small vessel with:

- a low cost method of monitoring the position, speed and heading of other vessels within VHF range
- the ability to plot the progress, changes in heading and speed of other vessels on the screen of an onboard PC or Chart Plotter
- a vessels name, call sign and MMSI number to call up the target vessel on a DSC radio and ascertain their intentions

## Installation

Installation is quick and simple. The SLR200 requires a 12/24vDC power source, connection to a PC via the serial port, or dedicated Marine Chart Plotter, and an external VHF aerial (not supplied). The SLR200 is compatible with electronic chart systems capable of accepting standard NMEA 0183 AIS sentences. For information about compatibility, please consult your local Marine Electronics Dealer or Navigation Software supplier.

## Technical Information

The SLR200 is a compact dual channel synthesised VHF receiver designed to receive and decode transmissions from vessels fitted with Class A and Class B AIS transponders, plus Aids to Navigation.

### Electrical

Power supply range: 9-30 Volts DC  
Power consumption: 400mW

### Output

Baud rate: 4800 or 38.4KB  
Format: NMEA 0183/RS232  
Output message: VDM

### Input

NMEA 0183 4800bd messages

### Receiver

Frequency: A - 161.975 MHz, B - 162.025 MHz  
Channel Spacing: 25KHz  
Sensitivity: -112dBm  
Demodulation: GMSK  
Data Rate: 9600  
Antenna Impedance: 50 ohms

### Physical

Dimensions: L:140mm, W:120mm, H:50mm  
Weight: 600g  
Mounting: Trunnion bracket

### Connectors

Output port: 9 pin D socket  
Power: 2 pole plug  
VHF Antenna: BNC  
GPS Antenna: TNC

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