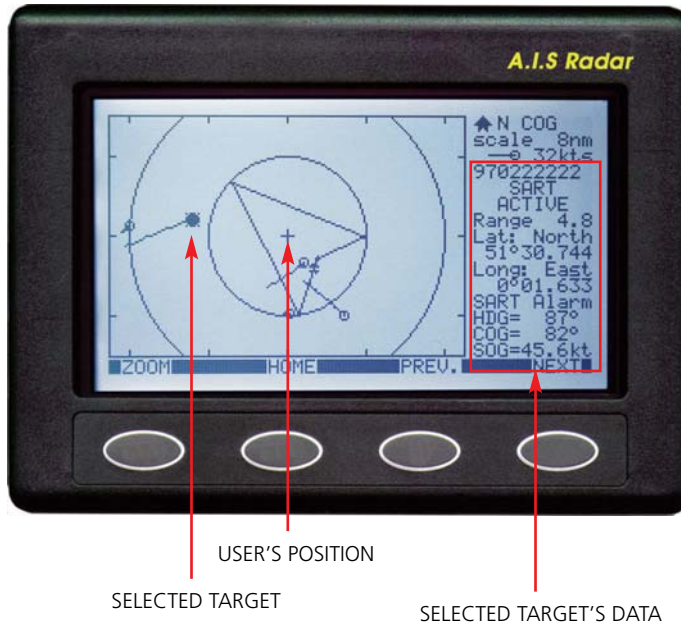


The AIS SART Radar is the first stand alone AIS receiver / plotter specifically designed for the leisure boat market.

AIS SART Radar



The Automatic Identification System (AIS) is a shipboard broadcast VHF transponder system, sending data about the identity of a ship. Its name, MMSI number, its latitude, longitude, speed, course and heading. All vessels over 300 gross tonnage and all passenger vessels are obliged to carry an AIS transponder. This transponder assists in

traffic monitoring, management and collision prevention. The data is sent continuously and is useful to yachtsmen, particularly in busy shipping areas.

The unit consists of a dual frequency AIS receiver, demodulator, signal processor and a backlit matrix display. It receives an NMEA



Optional cradle
mount bracket

input (RMC) from the boat's GPS which puts the user at the centre of a radar style screen. A COG pointer is selectable by the user. All other AIS carrying vessels and SART transponders are displayed with bearing and range relative to the user. Any target on the screen can be selected by the user. The selected target is highlighted and its data displayed on the right of the screen. This data includes the vessel's MMSI number, name, course over ground, speed over ground, range, latitude and longitude.

The display, with ranges of 0.125, 0.25, 0.5, 1, 2, 4, 8, 16 and 32 nautical miles shows AIS carrying vessels and SART transponders in a format normally associated with conventional radar. A trail of previous positions clearly shows the relative track of all the targets on the screen. A box to the right of the screen displays the speed over the ground, the vessel name, MMSI number and the latitude and longitude of any target selected by the user.

As each vessel leaves a trail of previous positions the user can instantly see its relative position and bearing. Should any vessel cause concern (particularly if there is a risk of collision) it can be selected and its AIS data displayed. The MMSI number is immediately available so, in the last resort, a DSC call can be made directly to that vessel. If the user selects his own vessel then the

screen repeats the user's GPS position, course and speed over ground.

Each vessel's status is shown by a different symbol so the user can see if a vessel is underway, at anchor, fishing etc.

The compact unit has a white backlit LCD display, operates from 12 volts and consumes little power.

Technical Data

- Ranges 0.125, 0.25, 0.5, 1, 2, 4, 8, 16 and 32 Nautical Miles
- Receives class A, B and SART AIS transmissions
- Tracks up to 30 vessels
- Uses standard Marine VHF antenna
- 161.975 and 162.025 MHz operation
- Uses standard NMEA0183 GPS input
- High contrast display with white backlight
- Supply voltage 12 - 15v DC
- Consumption 50mA @ 12v (100mA with backlight)
- Optional stirrup mount bracket available
- Dimensions - width 150mm, Height 112mm, Depth 42mm