

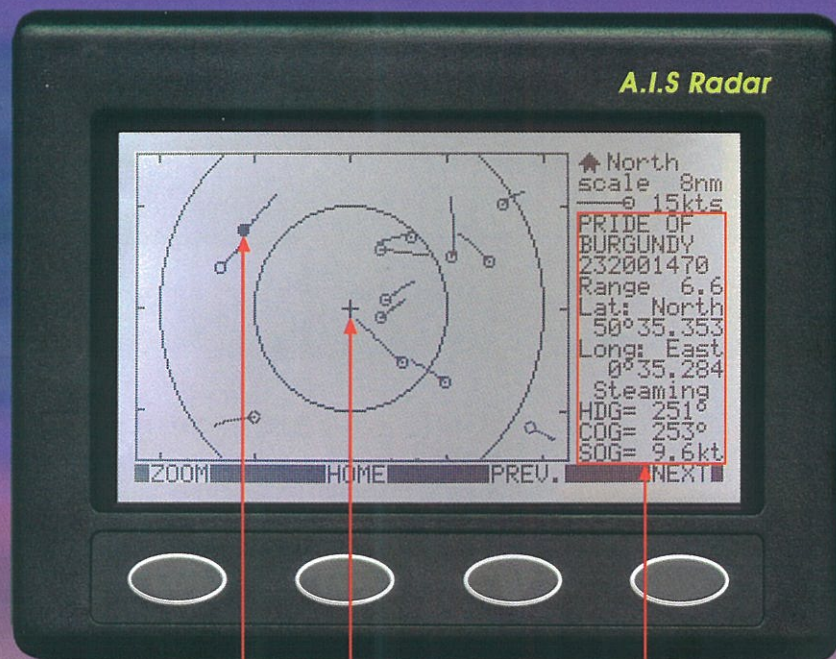
AUTOMATIC IDENTIFICATION SYSTEM

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.

AIS RADAR

£220-43^{vat}



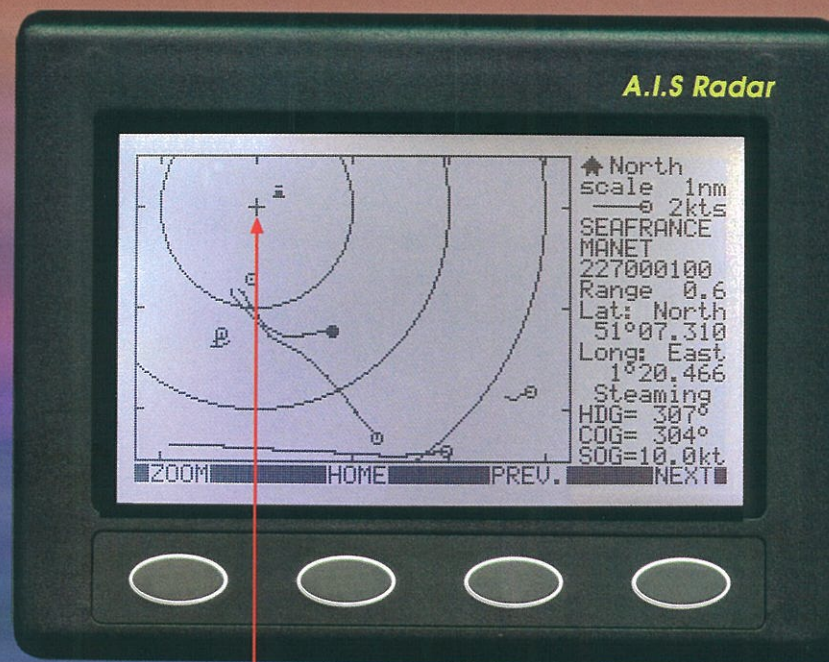
USER'S POSITION

SELECTED TARGET

SELECTED TARGET'S DATA

The NASA AIS radar is intended primarily for leisure craft, it receives transmissions from AIS transponders and displays the information on a radar like display.

The unit consists of a dual frequency AIS receiver, demodulator, signal processor and a backlit matrix display. It receives an NMEA input (RMC) from the boats GPS which puts the user at the centre of a radar style screen. All other AIS carrying vessels are displayed with bearing and range relative to the user.



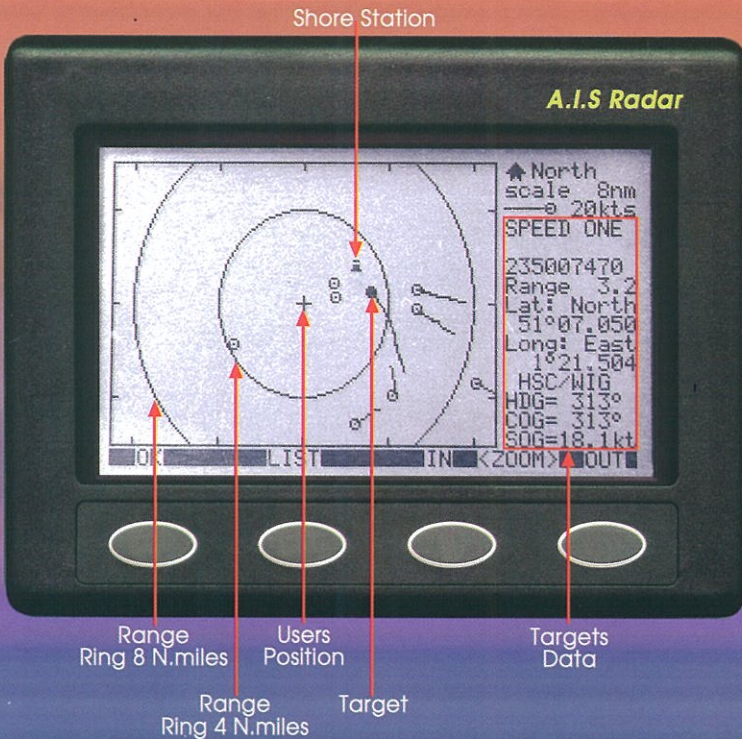
USER'S POSITION

Any vessel on the screen can be selected by the user. The selected vessel 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.

As each vessel leaves a trail of previous positions the user can instantly see its relative position and bearing.

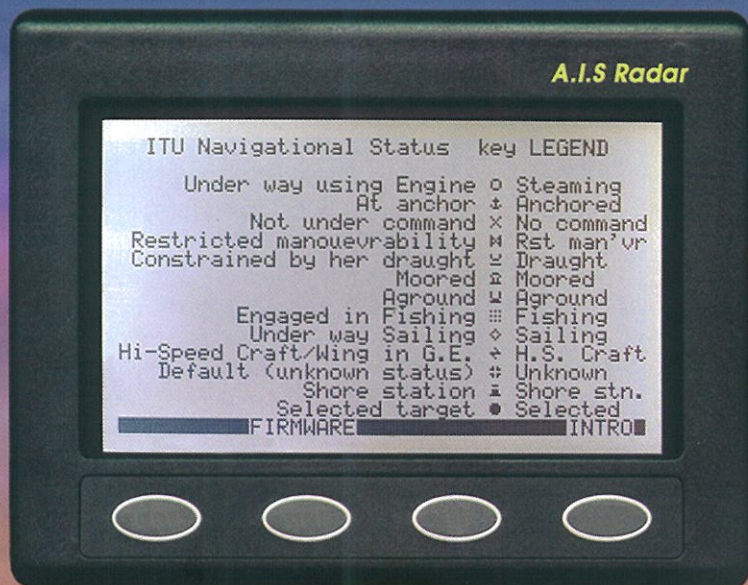
Should any vessel cause concern (particularly if there is a risk of collision) it can be selected and its AIS data displayed. The MMSI number is immediately available so, in the last resort, a DSC call can be made directly to that vessel. If the user selects his own vessel then the screen repeats the users GPS position, course and speed over ground.

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

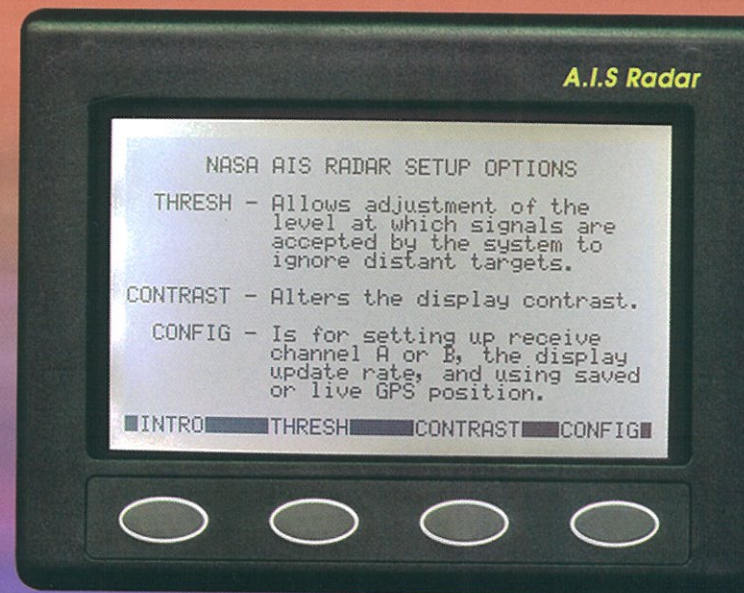


Range Ring 8 N.miles
Users Position
Range Ring 4 N.miles
Target
Targets Data

A zoom feature allows the range to be selected from 1nm up to 32nm and an alarm can be selected to give an audible warning if a vessel enters a preset range ring.



Each vessels status is shown by a different symbol so the user can see if a vessel is underway, at anchor, fishing etc. A user selectable screen clearly shows the vessels status.



Multi function keys enable easy navigation through the menus. The receiver is simple to install requiring a 12 volt power supply, a GPS input and connection to a standard vhf aerial.

TECHNICAL DATA

- Ranges 1, 2, 4, 8, 16 and 32 Nautical miles.
- Uses standard marine VHF antenna.
- 161.975 and 162.025 MHz operation.
- Uses standard nmea 0183 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.