The AIS Engine is supplied with a copy of 'SeaClear' chart software and a trial version of 'Software on Board', a data cable to connect to the 9 pin serial port of a PC and a 12 volt power cable.

AIS Engine 3

The AIS Engine and a conventional marine antenna are all you need to start plotting vessels on your PC or AIS compatible plotter. The SeaClear software runs in Windows 98 to 7, it includes a world map on which vessels are plotted. Any vessel on the screen can be selected and its AIS data displayed. This includes the vessels name, MMSI number, position, call sign and destination etc. Also included on the AIS Engine is an optional input for a GPS (RMC sentence). With this connected the users own vessel is shown on the chart with its latitude and longitude displayed in a window.

The unit receives both class A and class B AIS data.

The AIS engine can also be used with plotters or other PC software that have an AIS input facility. Check compatibility with your software supplier. An NMEA 0183HS input at 38,400 baud is required to accept the VDM AIS strings corresponding to ITU-1371.

If your PC does not have a spare 9 pin serial port a low cost serial to USB converter is available as an optional extra.

AIS Engine 3 Technical Data

- Receives both class A and B transmissions
- Operating frequencies - 162.025 and 161.975 mHz
- Supply voltage - 10 to 16 volts DC
- Supply current - 43mA
- All available AIS messages relayed
- Antenna input - 50 ohm BNC
- Data connector - 9 pin 'D' type
- Mounting - via two moulded flanges
- Dimensions - 115 x 100 x 30mm
- Output format - NMEA 0183 (38400 Baud)
- VDM encapsulation string conforming to ITU-1371
- NMEA RMC from GPS

Various receiver parameters are factory preset but can be altered from the PC if software is available.

PC AIS Radar Software

Use with the AIS Engine to show AIS vessels on a radar like screen on your PC. The PC AIS software in conjunction with the AIS Engine provides all the benefits of the popular AIS Radar.
Up to 30 vessels are continuously plotted on the screen in either absolute or relative mode. Any Target can be selected and the relevant AIS data displayed.

- North and Head up
- Vessels are coloured to show their status
- User position can be set manually from GPS
- Ranges 1/2, 1, 2, 4, 8, 16 and 32 Nautical miles
- Variable screen update
- Range alarm
- Windows 98 to 7 compatible