

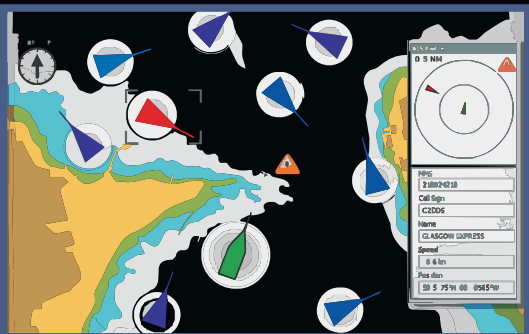
DIGITAL[®] YACHT



The NEW AIS ANT200 Self Contained AIS Sensor

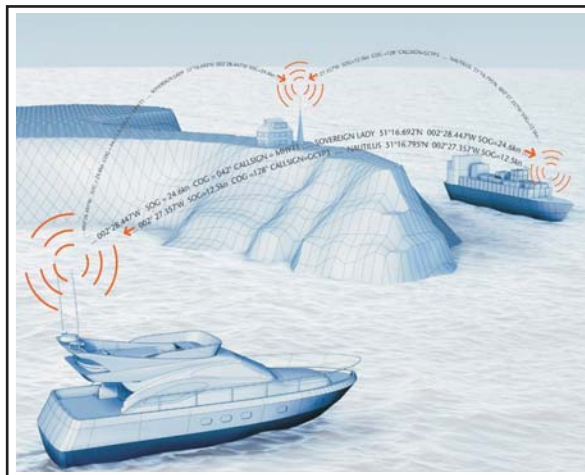
- ▶ The world's first, self contained smart AIS antenna - a complete high performance dual channel AIS receiver integrated into an antenna.
- ▶ Standard NMEA output - compatible with all leading AIS ready plotters
- ▶ Requires just power and simple data output connection
- ▶ Fitted with standard 1" base - mounts on pushpit, pole, radar arch or deck
- ▶ Interfaces with most popular AIS compatible plotters from Garmin, Raymarine, Furuno, Standard, Lowrance, Simrad, Northstar and more
- ▶ NMEA input with multiplex function

Wake Up Your Plotter With Digital Yacht AIS



SmarterTrackTM

High Performance Dual Channel AIS Receivers & Sensors



What is AIS?

The marine Automatic Identification System (AIS) is a location and vessel information reporting system. It allows vessels equipped with AIS to automatically and dynamically share and regularly update their position, speed, course and other information such as vessel identity with similarly equipped craft. Position is derived from a GPS system and communication between vessels is by VHF digital transmissions (on channels specifically allocated within the normal marine VHF spectrum).

A sophisticated and automatic method of time sharing the radio channel is used to ensure that even where a large number of vessels are in one location, blocking of individual transmissions is minimised with any degradation of the expected position reporting interval indicated to the user. Even if the unit suffers extreme channel overload conditions it will always recover to normal operation.

There are two classes of AIS unit fitted to vessels - Class A and Class B. In addition, AIS base stations may be employed by the Coastguard, port authorities and other authorised bodies. AIS units acting as aids to navigation (A to Ns) can also be fitted to fixed and floating navigation markers such as channel markers and buoys. Class A units are a mandatory fit under the safety of life at sea (SOLAS) convention to vessels above 300 gross tons or which carry more than 11 passengers in International waters. Many other commercial vessels and some leisure craft also fit Class A units. Class B units are lower cost versions of a Class A transponder designed for fitting to leisure and small commercial vessels.

Why SmarterTrack?

All SmarterTrack products use a true parallel dual channel receiver, receiving signals on both AIS frequencies simultaneously. This allows for the best possible performance in target tracking and sensitivity.

What Antenna?

With the exception of the ANT200 smart AIS antenna, all SmarterChart products require connection to a dedicated VHF antenna. Alternatively, you can utilise our SPL250 active splitter (on both transponder and receiver products) which allows the main VHF antenna to be used with AIS and VHF DSC radios.

However, our recommendation is always to have a dedicated antenna as this will maximise performance.



SPL250 Splitter

We also offer our HA156A tuned, compact AIS antenna which suits just about every installation.

Compatibility?

All our products output industry standard NMEA 0183 AIS data at 38400 baud. This format is compatible with all leading brands of AIS compatible plotters. Most plotters manufactured in the past few years support an AIS overlay. Call us to check your system.

AIS 200 series



- ▶ Advanced, super sensitive dual channel design
- ▶ Requires simple connection to VHF antenna or splitter
- ▶ 10-28v DC operation and ultra low power consumption
- ▶ Built in NMEA multiplexer - takes NMEA data in and combines with data output
- ▶ AIS200 outputs NMEA 38400 baud data compatible with all leading AIS ready plotters
- ▶ AIS200 Pro features dual output - USB for PC and simultaneous NMEA output

AIS 400 AIS-GPS

- ▶ Combination AIS-GPS receiver with dual USB (PC) and NMEA outputs. Provides single output of GPS, COG, SOG and AIS data
- ▶ Supplied with miniature GPS antenna - just requires connection to VHF antenna or splitter
- ▶ Ideal multi function sensor for systems
- ▶ Upgradable to AIT1000 Class B Transponder at minimal cost



AIT 1000 Class B Transponder



- ▶ Full function, Type Approved Class B transponder - sends and receives AIS data
- ▶ The ultimate leisure boat solution with your data transmitted to other AIS users every 30 seconds
- ▶ Features NMEA and USB data outputs for PC and plotter connections
- ▶ Supplied with proAIS programming software (except where prohibited) for easy programming
- ▶ Low profile, compact GPS antenna included
- ▶ Remote silence switch function

Digital Yacht - www.digitalyacht.co.uk or call 01179 554474