

NEW
2007



Simrad AI50 Automatic Identification System



AI50

Class B certified

Simrad AI50 - See and be seen...

SIMRAD
AIS
SYSTEM



Blind spots and large waves

With radar antennas mounted high above sea level, smaller vessels can remain undetected below the beam, mistaken as waves or lost in vessel blind spots.



Identification with blocked view

With AI50 you can see or trace other vessels equipped with AIS Transponders, even in the dark, or when the radar's line-of-sight is blocked.

Be in control - avoid collisions at sea

The Simrad AI50 AIS transponder offers boat owners the most exciting new development in the safety of navigation. All large commercial vessels including ferries, cargo and passenger ships already carry AIS. Now Simrad is introducing the first compact Class "B" AIS with a color display. Class "A" transponders used on commercial ships have many features not needed by recreational users making them expensive. The class "B" standard offers all the visibility and benefits of the class "A" without the complications. The result is that AIS is now affordable for all users. Mounted at the helm, the AI50 offers unsurpassed simplicity of operation and clarity of information.

The AI50 shows information from other ships including:

- IDENT** Shows ships name and MMSI
- TYPE** Type of vessel, e.g. Tanker, Cargo, Pleasure, Sail, etc.
- CPA** Calculates Closest Point of Approach
- TCPA** Calculates Time to CPA
- COG** The selected vessel's present Course
- SOG** The selected vessel's current Speed
- HDG** The selected vessel's current Heading
- ROT** The selected vessel's current Rate of Turn

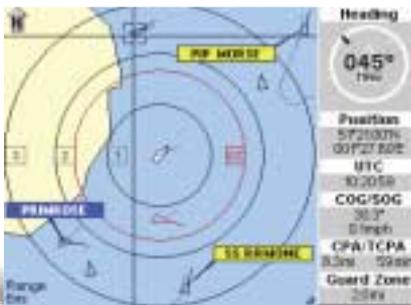
The New Automatic Identification system ensures optimum safety...



Move the cursor over a target to identify the vessel.



A guard zone with alarm.



Range rings with distance to any targets or shore, just like a radar.



Be alerted when your friends are in the same area.



Select a MMSI number from your favourites list and send a DSC call.

Vessel information at a glance

AIS (Automatic Identification System) comes into its own when the helmsman cannot see the position of the other targets around him. Uniquely, the AI50 offers a daylight viewable color display to plot the relative position of the other ships. Adjustable range, with range rings and coast outline covering the whole world, make interpreting the ships position as easy as reading a chart. Cursor control and the INFO key make identifying ships a real breeze.

Vessels may be tracked and their CPA and TCPA calculated, offering the helmsman ample warning of impending close approach or dangerous situation.

"Buddy Tracking"

Enter the MMSI numbers of friends and regular contacts, also fitted with AIS, into your Favorites list. As soon as a listed vessel sails into the view of your AI50, you will be alerted to its presence. This valuable feature will be of great benefit to flotilla operators, racing sailors, fishermen, and even commercial operators.

Identifying and calling the target

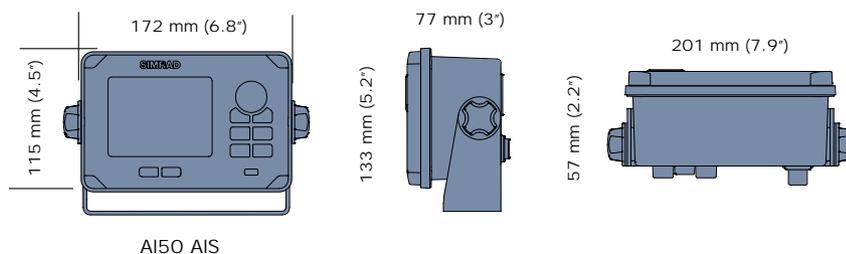
Connect a suitable SimNet equipped DSC radio to your AI50 to allow simple DSC message composition. Just move your cursor over the target you wish to contact and press DSC. The AI50 will initiate a Routine DSC call on your Simrad radio using the MMSI of the selected vessel. You can now send the DSC call from the radio. No longer do you need to have a listing of vessel information with you. Think of it as a graphical and dynamic phone directory.



Bracket or flush mounted?

The new Simrad design allows the AI50 to be easily flush mounted, standing or hanging from the supplied bracket.

Specifications



AI50 Monitor

Power Supply:	10.8V to 15.6V
Power Consumption:	<1A
Receiver type:	Dual TDMA (shared DSC)
Receiver Sensitivity:	<-107dBm for 20% PER
Transmit power:	2Watt
Type Approval:	IEC62287-1
AIS Class:	Class B for use on non-SOLAS craft
GPS:	Integral 16 channel receiver
Dimensions:	201mm (7.9") x 133mm (5.2") x 77mm (3") (with Bracket) 172mm (6.8") x 115mm (4.5") x 77mm (3") (w/o Bracket)
Weight:	1kg
EMC:	IEC60945
Temperature range:	-15°C to +55°C
Waterproof:	IP67