

See 'B' Seen
See 'B' Seen 'B' Safe
'B' Safe



SevenStar Electronics

SeaTracer™

AIS Class B Transponder



- With the **SeaTracer™** and AIS technology you can see who else is within your vicinity, **even if they are behind another object!** (headland, island, ship...). **AND THEY CAN SEE YOU!**
- It **TRANSMITS** and **RECEIVES** AIS data over VHF channels utilising highly sophisticated digital signal processing and software algorithms.
- Fitted to leisure craft and other non-SOLAS vessels, the **SeaTracer™** works with chart plotters and charting software for lap-tops and PDAs, and shows 'contacts' and their ID and course on the plotter display. It uses **dual simultaneous AIS receivers**, so *no more missed messages!* And it also *lets you see AIS nav aids (AtoN's)*
- **YOUR POSITION AND ID** can also be seen by approaching vessels, coastal stations and the rapidly expanding AIS networks
- AIS has been mandatory fit for SOLAS commercial and passenger vessels worldwide in **Class A** form since 2004, and **Class B** Transponders extend this system, bringing its **wide-reaching benefits to the leisure and smaller commercial vessel market.**
- The system is proven and works so well that many national administrations are introducing legislation or recommendations for smaller vessels
- Robust and resilient to the stresses of life at sea, the **SeaTracer™** is housed in an IP-65 rated aluminium enclosure with versatile mounting options, all of which are protected with a sea-water resistant coating under a heavy-duty powder-coat external finish.
- Complies with IEC 62287-1, IEC 60945, ITU-RM.1371-1, IEC 61162-1, IEC 61108-1, ITU R M.493-9, ITU R M.825-3
- High-spec combined GPS/VHF antenna available - keeps installation work to a minimum



Don't let this happen to you ...

APPLICATIONS include:

- Increased situation awareness
- Collision avoidance
- Its FUN knowing who is around you!
- Port, harbour and marina management
- Coastal tracking and surveillance systems
- Charter and flotilla vessel monitoring
- Homeland and vessel security
- Asset monitoring & management
- Anti-piracy, anti-smuggling

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S.287**



SPECIFICATIONS

- Contains **2 SIMULTANEOUS** (not switched) **VHF receivers** (so no more 'missed' messages) and 1 VHF transmitter
- Contains an **integral 16 channel DGPS receiver** to IEC 61108-1, and accepts RTCM corrections
- Certified to IEC 62287-1, AIS Class B (CS) by BABT (EU), BSH, USCG (and FCC pending)
- Environmental specification to IEC 60945
- Globally agreed frequency allocation – it works everywhere! 156.025 to 162.025KHz, 25KHz step
- One VHF receiver can be used to monitor DSC
- Transmitted Power 2W as per IEC 62287-1
- Bit rate 9600b/s AIS, 1200b/s DSC
- Small size and robust professional design makes it equally suitable for RIBs to yachts to motor cruisers and professional workboats – in fact virtually anything!
- Standard NMEA/RS422 and RS232 connections
- 38.4kbaud bi-directional data ports
- Works with AIS-ready NMEA-compatible plotters and chart software on laptops, PDAs, etc
- +12v DC power, 0.33A typ.
- Sealed TNC connectors for VHF and GPS antennas
- Highly versatile mounting options
- Water resistant to IP-65 - incl all connectors!
- Robust aluminium casing is chemically treated to protect it from sea water, and is then further protected by a heavy-duty 'powder-coat' finish
- LED status indicators to speed installation
- Size: 180 x 110 x 40mm, Weight: only 900g.

Another close call ...



Versatile mounting options ...



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SevenStar Electronics Ltd. is approved to
BS EN ISO 9001:2000 and EU MED Schedule D

Authorised agent:

Simple to install ...

