



High performance AIS Class B transceiver

easyTRX3



More power and higher transmission rates to improve your navigation and safety aboard.

Improve your navigation with the new AIS SOTDMA Class B transceiver easyTRX3

The new easyTRX3 represents the next generation of AIS Class B technology.

With 5 Watt radiated power and higher transmission rates, the easyTRX3 will increase your navigation level and improve your safety aboard.

„Be seen with increased visibility“

Function

With 1 transmitter, 2 parallel working receivers, integrated GPS antenna, internal active VHF splitter and NMEA2000 connectivity, the TRX3 is setting the new standard for AIS Class B transceivers.

SOTDMA – no position report gets lost

Based on AIS Class B SOTDMA (Self Organized Time Division Multiple Access) technologies, the easyTRX3 is transmitting with high priority as Class A „commercial“ units. The transmission slots for the next 4 transmissions will be reserved automatically. Even in areas with high traffic volume the easyTRX3 is always able to send out position reports because SOTDMA has got the priority to regular AIS Class B units using CSTDMA (Carrier Sense Time Division Multiple Access). By means of SOTDMA the easyTRX3 is able to do higher transmission rates to enhance the visibility of the AIS position reports on AIS capable systems and screens.

Integrated GPS Source

The built-in GPS antenna increases the independency of mounting the easyTRX3 device aboard. Only power supply and VHF connectivity is needed. This is very convenient for all the fiberglass and wooden hull vessels.

Integrated active VHF antenna splitter

The default built-in VHF splitter enables user to use VHF radio and AIS with the same antenna. No separate installation needed. A pre-amplifier reduces physical loss to the minimum.

High connectivity

The easyTRX3 comes along with a huge range of connections by default. 1x NMEA2000, 3x NMEA0183 (In/Out) as well as 1x USB ports are ready to go. WiFi or LAN are optional, as well as DVB-T2/FM/DAB+ module.

Highlights

- ☑ Internationally certified AIS Class B Transceiver
- ☑ Real time, zero latency tracking and monitoring
- ☑ Dual terrestrial satellite communication
- ☑ Two-way communication - status polling
- ☑ Anti-tamper & anti-spoofing technology
- ☑ Dynamic transmit encryption
- ☑ Integrated vessel activity audit (VAA) system
- ☑ Vessel activity and location alert system
- ☑ This system is appropriate to be mounted in Maritime Centres which are land based (On the Littoral).
- ☑ Ruggedized - water, weather, shock & vibration proof
- ☑ SOS search & rescue alert

Technical Data

- ☑ 1 Channel VHF transmitter
- ☑ 2 Channel VHF receiver for 161.975 MHz and 162.025 MHz AIS frequencies
- ☑ 72 Channel GNSS receiver
- ☑ Channel sensitivity: better than -112 dBm
- ☑ Operating temperature: -10°C - + 55°C
- ☑ NMEA output message: VDM
- ☑ IP67 waterproof and dust resistant
- ☑ Transmission Power: 5Watt
- ☑ Dimensions (LxWxH): 190 x 135 x 60 mm
- ☑ Weight: 700 g
- ☑ Compliance/Certifications

AIS	IEC 62287-2:2017
Environm.	IEC 60945:2002
GPS	IEC 61108-2003
	EN 301843-1:2004
Prod. Safety	EN 60950-1
	ITU-R M.1371-5
- ☑ Approved by BSH, USCG
- ☑ Part #A20000

