



EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking



HIGH-END performance
AIS Class B transceiver

easyTRX3-S



Smart Navigation, Safety Alerting and
Yacht Monitoring via IOT -
All you need, in just one Box!

Get yourself ready for the next level of Weatherdock AIS Class B Transceiver

The new AIS Class B Transceiver easyTRX3-S continues the High-End-Performance of reliable AIS functionality, but comes along with new features to increase boat live on the next level.

Professional navigation, safety features and maritime Internet of Things - expandable to 20 sensors and 10 actors*!

Function

NEW: ME SENSE Yacht Monitoring

Now providing Bluetooth functionality, it is possible to run the new TRX3-S as the center part of the ME SENSE yacht monitoring system. All sensor data will be collected via Bluetooth and the new TRX3-S is routed to the WLAN network of the marina or to the WLAN network of your own LTE router. So the TRX3-S is the new gap-closer between your vessel at the marina and you at home using the ME SENSE App. Keep an eye on your boat in combination with ME SENSE.

NEW: WiFi - Always inside

The new TRX3-S always has the WiFi module inside, so it is ready to forward all received NMEA data to a wireless connected terminal device like tablet or smartphone or to a chart plotter.

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 independence 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. An external GPS Antenna can be connected if necessary.

Integrated active VHF antenna splitter

The default built-in VHF splitter enables the 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, 1x NMEA0183 (In/Out) as well as 1x USB ports are ready to go.

* Available ME SENSE sensors/switches:



Highlights

- IoT ME SENSE yacht monitoring
- WiFi included
- 5 Watt transmission power
- SOTDMA transmission performance
- Internationally certified AIS Class B Transceiver
- Real time, zero latency tracking and monitoring
- Connections: NMEA2000, NMEA0183 and USB
- Integrated vessel activity audit (VAA) system
- Vessel activity and location alert system
- Ruggedized - water, weather, shock & vibration proof
- LAN or DVB-T/FM Radio module as option available

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
- Connection: USB
- NMEA output message: VDM
- IP67 waterproof and dust resistant
- Transmission Power: 5Watt
- Dimensions (L/W/H): 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 #A20018



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