



# AIS Class A Transceiver

**to be ready if AIS  
becomes mandatory  
for SuperYachts**



**AIS Class A / Sea - and Inland  
Transceiver for every vessel**

# easyTRX-SOLAS AIS Class A / Sea - and Inland Transceiver

The easyTRX - SOLAS AIS Class A/Inland transponder provides SOLAS compliance and BSH certification at very attractive prices. The easyTRX - SOLAS AIS Inland transponder is developed in accordance with the latest AIS Inland standard requirements.

The AIS Inland transponder is type approved by „Fachstelle der WSV für Verkehrstechniken FVT“.

## Function

The data link communication covers standard AIS messages and the required static, voyage-related and dynamic data as well as blue sign messages for inland navigation for increased situational awareness and improved safety for the individual ship.

The SOTDMA technology used in the AIS transponder transmits and receives information on all vessels within VHF coverage. This information includes position, identity, course over ground, heading, and rate of turn as well as navigational status and the destination of the ship.

The AIS Inland transponder broadcasts Inland blue sign status messages for upstream or downstream navigation; ships passing on starboard side, hazardous cargo carriage (Blue Cones), and estimated time of arrival at locks, bridges and terminals. Lock management, information on draught, type of cargo and destination is vital for decision making and safe maneuvering along the inland waterways.

## Configuration and interfaces

The AIS Class A transponder is easy to install onboard any ship by connecting it to a GPS and VHF antenna, and is com-

plete after connecting it to the onboard sensors. To maximize the benefit of the investment, the AIS Inland transponder is delivered with an interface to the electronic chart system and/or ARPA radar. Moreover, the system is designed to support long-range reporting.

The shipborne AIS Class A Inland Transponder consists of an integrated Minimum Keyboard and Display (MKD).

## Highlights

- ✓ Increased situational awareness for inland navigation, the system communicates the blue sign for inland waters.
- ✓ The AIS transponder can be configured to operate either as an AIS Inland or a Class A transponder.
- ✓ The system communicates required static, voyage related and dynamic data.

## Technical Data

- ✓ Input voltage: 11-36 V DC
- ✓ Transmitter output power (adjustable): 1 and 12.5 W, 50 Ohm load
- ✓ Bandwidth: 25 kHz
- ✓ Number of receivers: 3 (2 AIS TDMA, 1 DSC)
- ✓ GNSS receiver: GPS L1, 50 parallel channels
- ✓ DGNSS support: yes
- ✓ VHF antenna: N female, 50 Ohm
- ✓ GPS antenna: TNC female, 50 Ohm
- ✓ Pilot/Auxiliary (RS422): IEC 61162-2
- ✓ External Display (RS422): IEC 61162-2 (not included)
- ✓ Long-Range (RS422): IEC 61162-2
- ✓ Alarm relay: Normally closed
- ✓ BSH Statement of Conformity
- ✓ ITU-R M.1371-4
- ✓ IEC 61993-2
- ✓ IEC 62288



Made in Germany

for more information please visit  
[www.easyais.com](http://www.easyais.com)

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