AIS-CTRX
Affordable, robust and high performance AIS Class-B Transponder

Transmit and Receive
The AIS-CTRX Class-B transponder device ensures that you see and are seen by other AIS fitted vessels and coast stations.

Silent mode
The AIS-CTRX can with a simple push of a button be made "silent", meaning that the unit will only receive AIS data from other AIS transponders.

Water Resistance
Robust, coated aluminum case, to ensure the unit is able to operate in the harshest environments. IEC60945—Category C.

Internal GPS
High performance 16-channel GPS prepared for SBAS services (MSAT, EGNOS and WAAS)

INCREASE YOUR SAFETY, SEE AND BE SEEN

AIS-CTRX Class B AIS Transponder

The AIS-CTRX is the latest product for pleasure crafts and smaller commercial vessels. It brings enhanced safety and a whole new dimension to navigation. The high performance, low cost and highly robust AIS Class-B transponder provides both reception and transmission of AIS data to a fraction of the cost of a conventional Class-A transponder.
The AIS-CTRX is an Automatic Identification System (AIS) Class B transponder with both receiving and transmitting capabilities. The AIS-CTRX makes it possible to navigate and display all vessels equipped with AIS transponders and at the same time be seen by other vessels equipped with Class B adapted AIS equipment. The AIS-CTRX is transmitting its position once every 30 seconds (or more often when asked to do so) to report its identity, position, speed and course over ground etc. to announce its existence.

The AIS-CTRX gives at the same time an accurate position via the built in GPS. It will bring enhanced safety and a whole new dimension to navigation. AIS-CTRX high quality, low cost Class-B AIS transponder provides the same functionality and performance as a merchant vessel system but at a fraction of the cost.

### Technical specifications

**VHF Transceiver**
- One transmitter and two receivers
- Frequency: 156.025 to 162.025 MHz
- Output power: 2 Watts (33 dBm ± 1.5 dB)
- Channel bandwidth: 25 kHz
- Sensitivity: better than -107 dBm
- Antenna impedance: 50 ohms

**GPS Receiver (AIS internal)**
- 16 Channel (WAAS, EGNOS, MSAT support)
- Position accuracy: < 3 meters CEP (GPS)
  < 2 meters CEP (DGPS)

### Compliant with following standards as applicable:

- IEC 62287, IEC 61108-1, IEC 60945, IEC 61162-1

The AIS-CTRX requires both a VHF and a GPS antenna.

**Example how AIS can be presented in a Electronic Chart System**