

AIS CTRX GRAPHENE+ WIFI MOB

Proven and reliable AIS Class B transponder



The CTRX Graphene come in two versions; the CTRX Graphene and the CTRX Graphene+, where the CTRX Graphene+ version has a built in VHF antenna splitter. The units are manufactured in Sweden and thanks to the high quality components used in the units, the range¹ of their transmission, as well as possibility of reception, is guaranteed to be the very best!

New added AIS SART and AIS MOB Alarm functionality is implemented on new devices.

Both CTRX Graphene units are very easy to install with the majority of the plotters and/or PC-navigation systems via either NMEA0183 and/or NMEA2000 and/or waterproof voltage protected USB.

Would you like to transfer your AIS and GPS data wireless to e.g. a tablet, phone or PC? No problem! CTRX Graphene can be fitted with a WiFi option.

¹ Also depends on the quality of the VHF antenna system used for the AIS.

KEY FEATURES

- Class B AIS transponder
- Built in VHF antenna splitter
- MOB alarm
- NMEA0183 interface
- WiFi
- Power input: 10 - 32 VDC

TECHNICAL SPECIFICATIONS

Physical

L x W x H:	190 x 135 x 90 (mm)
Weight:	0,8 kg
LED indicators:	6
Operating temp.:	-15°C to +55°C

Electrical

Power supply range:	12 to 24 VDC
Power consumption:	150mA@12VDC, <2W average
Connectors:	VHF Antenna (BNC), GPS Antenna (TNC), Power/Data (multi pin connector), Mini USB (voltage protected), NMEA 2000, VHF Radio (UHF) ²

GPS Receiver (AIS Internal)

Channels:	50 (SBAS support)
Position accuracy:	<3 meters CEP (GPS) <2 meters CEP (DGPS)

Supplied with

- 2 m power cable
- 1 m USB cable
- Installation software and user manual on CD
- 2 m cable for connection to VHF³

Versions

The CTRX GRAPHENE can be supplied in two versions; the standard CTRX GRAPHENE and the CTRX GRAPHENE+. The CTRX GRAPHENE+ has a built in VHF antenna splitter that makes it possible to use 1 x VHF antenna to the VHF radio and AIS unit.

Transmit and Receive

The AIS CTRX GRAPHENE MOB WATCH Class-B transponder both transmits and receives AIS information. It can receive all AIS information available e.g. AIS Class A, AIS Class B, AIS AtoN, AIS SART, AIS weather information, etc.

AIS SART Alarm

The AIS CTRX GRAPHENE MOB WATCH will make a clear and distinct audio alarm if a AIS SART, MOB or EPIRB transmission is detected by the AIS.

Silent mode

The AIS CTRX GRAPHENE MOB WATCH can with a simple push of a button be made "silent" and only receive data.

Easy to Install

The AIS MOB CTRX GRAPHENE MOB WATCH is easy to install, just connect;

- 12-24 VDC
- VHF antenna
- Active 5VDC GPS antenna.

In order to be able to see other AIS sending vessels, connect your CTRX Graphene units to:

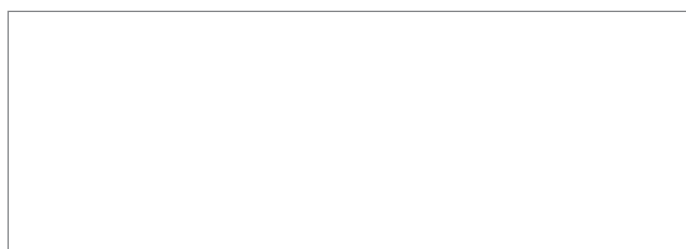
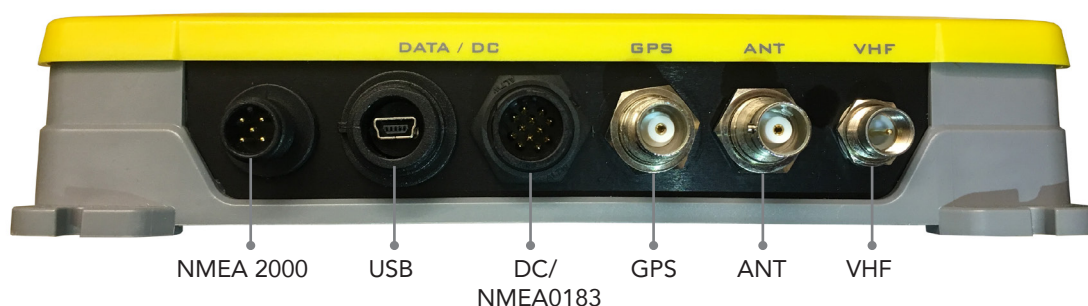
- A plotter, radar and/or PC navigation software via NMEA0183, NMEA2000 and/or USB.
- And/or a tablet via the optional built in WiFi module.

Approvals and standards

- R&TTE, CE (Europe)
- IEC60945 ed4
- IEC61108-1 (GPS) (Complaint)
- IEC61162-1/2 Ed 2
- IEC62287-1 Ed 2
- NMEA 2000 Ed 2,20
- ITU R-M 1371-4

The AIS CTRX GRAPHENE MOB WATCH requires, according to the AIS Class B standard, both a VHF and a GPS antenna.

² CTRX Graphene+ only.



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