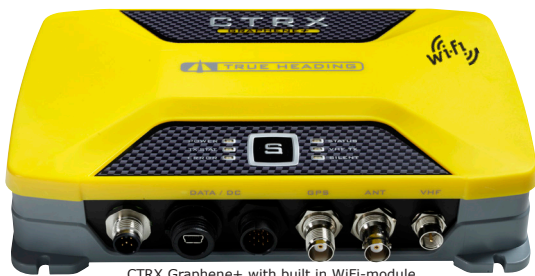


AIS CTRX GRAPHENE

Proven and reliable AIS Class B transponder!



OVER 90% of the boaters in Sweden cannot be wrong!



CTRX Graphene+ with built in WiFi-module



CTRX Graphene

Used by over 90% of the boaters in Sweden, the AIS's from True Heading are proven to be very reliable. So even the new CTRX Graphene units! The CTRX Graphene units are, as their predecessors, fully compliant with the international AIS Class B standard! 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 range² of their transmission, as well as possibility of reception, is guaranteed to be the very best!

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! Just add a WiFi module¹ to your AIS unit, and you are good to go!

¹ Optional built in WiFi module.

² Also depends on the quality of the VHF antenna system used for the AIS.

No one knows AIS better



Quality and development

As one of the leading companies involved in AIS technology we constantly develop products for the needs of today and tomorrow. Our effort is to remain as a global leader in the exciting future of AIS.



SEAPILOT
www.seapilot.com

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) ³

GPS Receiver (AIS Internal)

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

The AIS-CTR X GRAPHENE requires, according to the AIS Class B standard, both a VHF and a GPS antenna.

³ CTR X Graphene+ only.



True Heading Dealer



www.trueheading.se

Two versions of the CTR X GRAPHENE.

The CTR X GRAPHENE can be supplied in two versions; the standard CTR X GRAPHENE and the CTR X GRAPHENE+. The CTR X 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 CTR X GRAPHENE 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.

Silent mode

The AIS CTR X GRAPHENE can with a simple push of a button be made "silent". This means that the unit will stop *sending* AIS data, but will still be able to *receive* AIS data from other AIS transponders.

Easy to Install

The AIS CTR X GRAPHENE 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 CTR X 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

Supplied with

- 2 m power cable
- 1 m USB cable
- Installation software and user manual on CD
- 2 m cable for connection to VHF ³



Vendevägen 90
SE-182 32 Danderyd
Sweden
Phone +46 8 6222660
Fax +46 8 54593910
info@trueheading.se