



# seapilot

## AIS CTRX GRAPHENE

Perfect for the Seapilot Nav Solution



- Free Seapilot Navigation App included
- 3rd Gen design from the pioneers in AIS
- Available with WiFi to send data to mobile device
- Available with VHF splitter to share radio antennas
- High quality external GPS and cable included
- Proven durable enclosure for all environments
- Self-diagnostics for dependable operation
- Lifetime free software updates





# The new Class B AIS from Seapilot

Seapilot is proud to present its new AIS Class B transceivers, based upon the proven designs of its parent company who pioneered AIS; True Heading. The new Seapilot CTRX Graphene Series comes in four versions; with or without WiFi and with or without a built in VHF Antenna splitter. The Graphene+ models with built in splitters, allow the installer to share the existing VHF Radio antenna between AIS and radio. All versions meet or exceed specifications with the international AIS Class B standard. The units are European made and thanks to high quality components and years of knowhow, the enclosures are built to survive all environments and the transmission and reception range<sup>1</sup> are the best in the business!

<sup>1</sup> Also depends on the quality of the VHF antenna system used for the AIS.

Both the CTRX Graphene and the CTRX Graphene+ are easy to install, come with self-diagnostics to tell you if there is a problem and interface easily with all chart plotters and PC or tablet based navigation devices. In the case of Tablets and Smart Phones, the optional WiFi capability make wireless interfacing simple and convenient.



Seapilot Nav Solution

## Technical specifications

### AIS Specifications

#### Physical

Dimensions:	7.48" x 5.31" x 3.54" 190 x 135 x 90 (mm)
Weight:	0.8 kg (17,64 lb)
LED Indicators:	6
Operating Temperature:	-15°C to + 55°C (5°F to 131°F)
<b>Electrical</b>	
Power supply range:	12 to 24 VDC
Power Consumpt.:	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)

The WiFi- AIS CTRX Graphene requires, according to the AIS Class B standard, both a VHF and a GPS antenna.

#### Two versions of the SEAPILOT AIS's

The Seapilot WiFi-AIS can be supplied in two versions; the WiFi-AIS CTRX Graphene and the WiFi-AIS CTRX Graphene+. The CTRX Graphene+ version 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 Seapilot Class B WiFi-AIS units both transmit and receive AIS information. They 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 SEAPILOT WiFi-AIS units 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 WiFi-AIS SEAPILOT units are very 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 WiFi-AIS 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
- FCC
- IC

### Supplied with

- 2 m power cable
- 1 m USB cable
- Installation software and user manual on CD
- 2 m cable for connection to VHF (WiFi AIS CTRX Graphene+ only)
- Quick install guide



WiFi-AIS Seapilot CTRX Graphene+

