



## em-trak B923 Class B AIS Transceiver with Integrated Splitter User Guide

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### **B900 Series**

Applicable models:

**B921 / B922 / B923 / B924 / B951 / B952 / B953 / B954**

Class B AIS Transceiver

### **QUICK-START GUIDE**

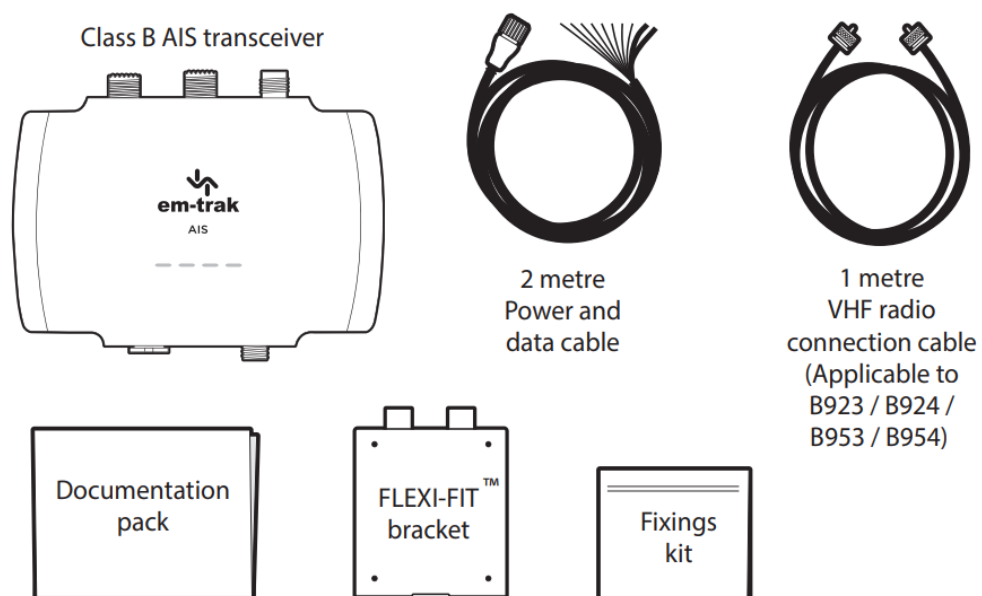


For full instructions on how to install and use your B900 Series Class B AIS Transceiver please refer to the User Manual.

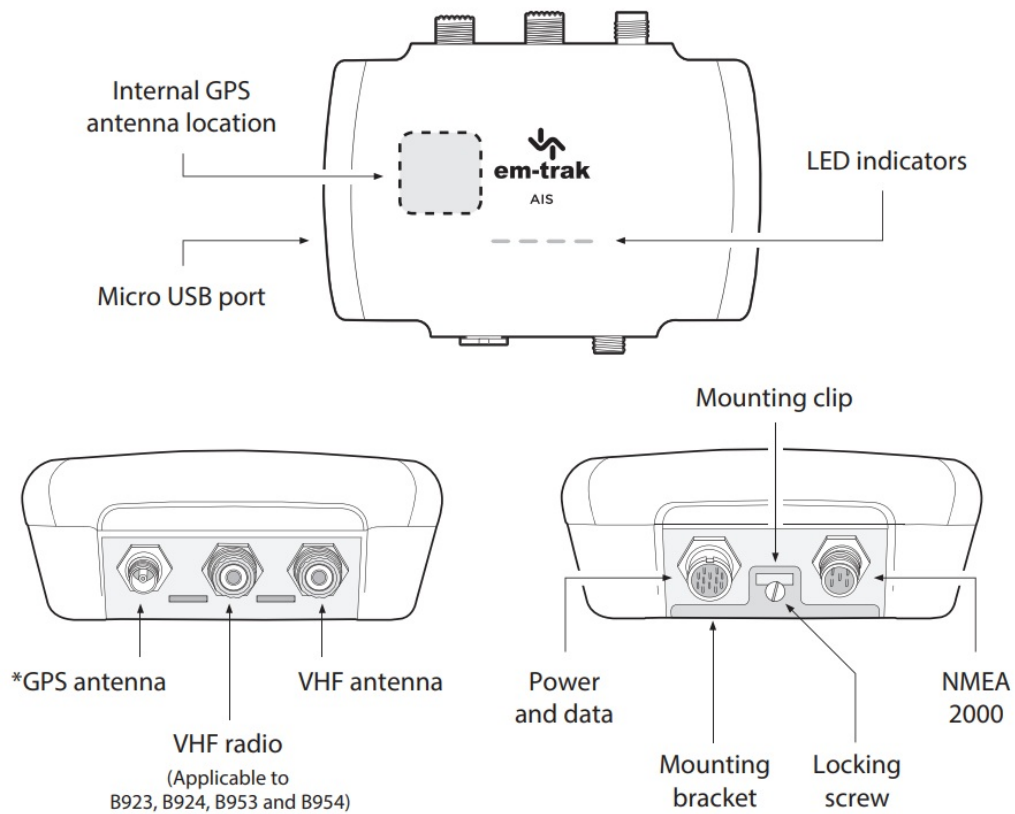
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## What's in the box?

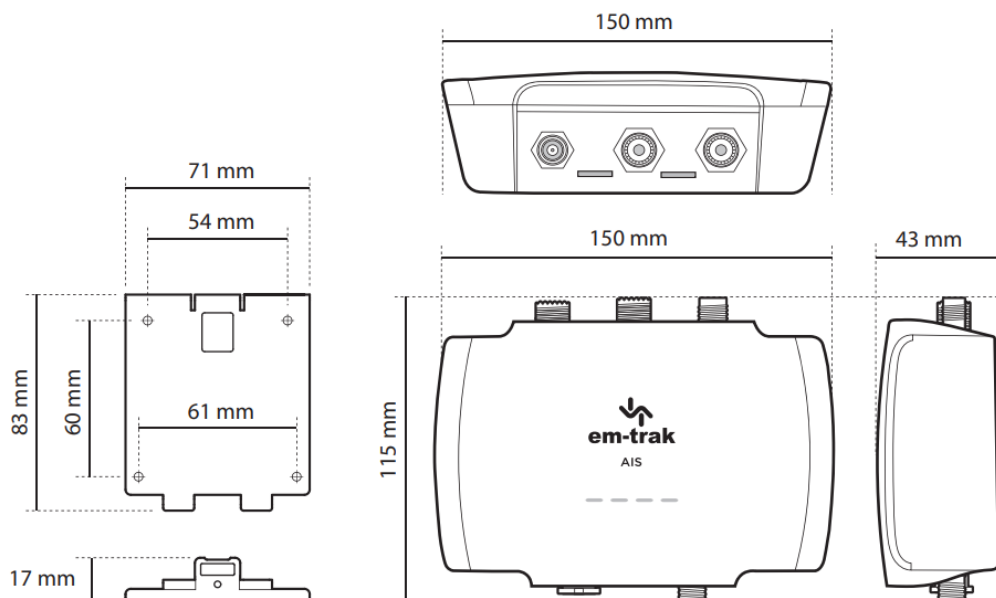


## Overview

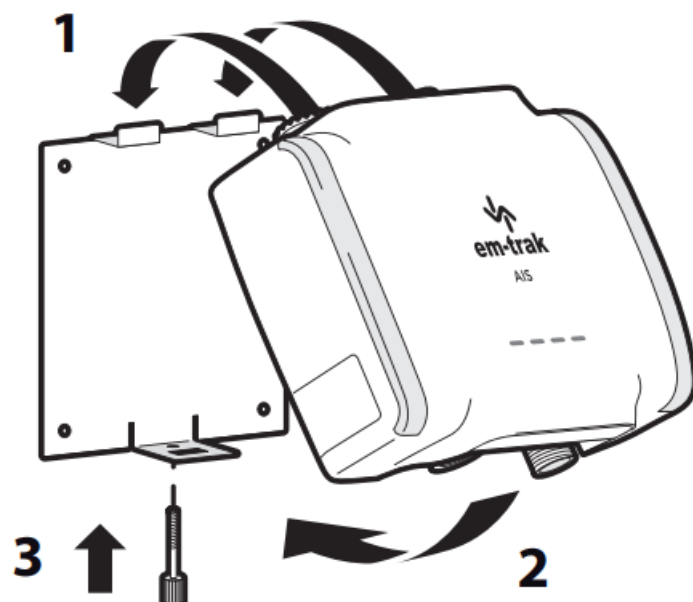


\* GPS receiver & antenna supports: GPS, GLONASS, Galileo and BeiDou

## Dimensions

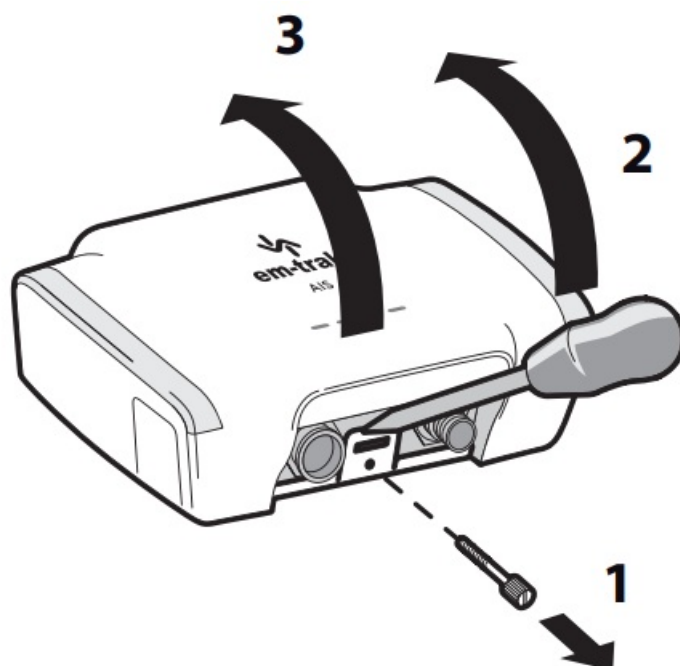


## Mounting



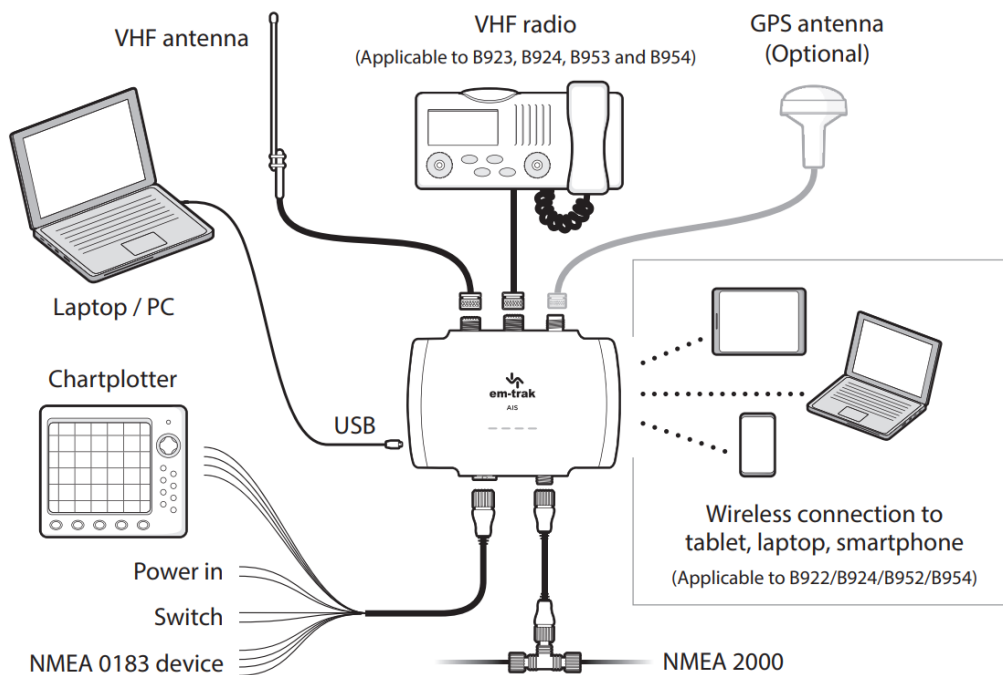
1. Locate and fix mounting bracket
2. Clip transceiver onto the bracket
3. If required, tighten the security screw

## Removal

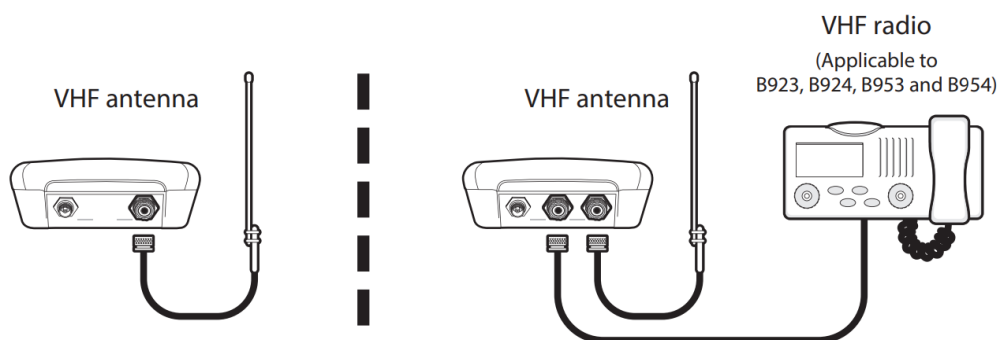


1. Loosen locking screw
2. Release mounting clip with a screwdriver
3. Lift transceiver from bracket

## Installation configuration

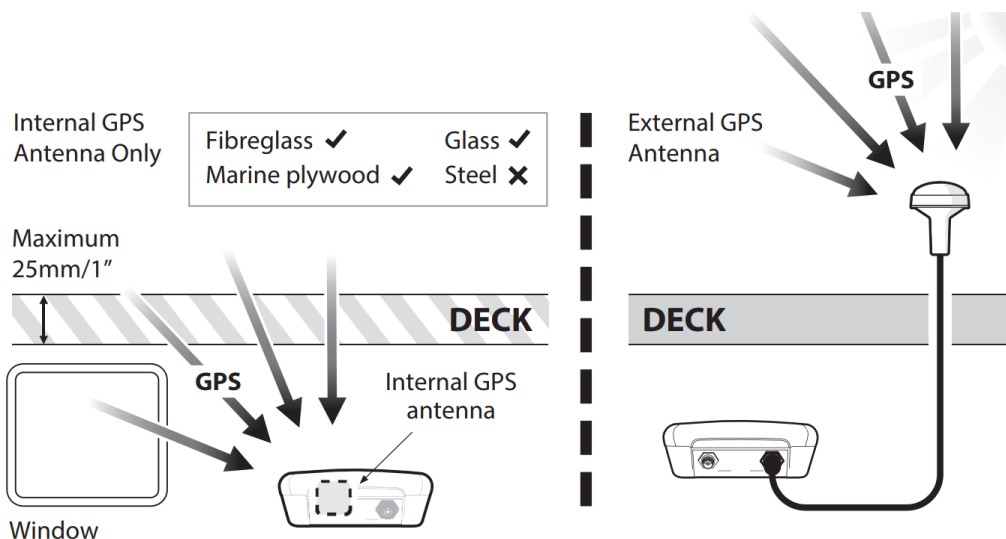


## Installing your VHF antenna

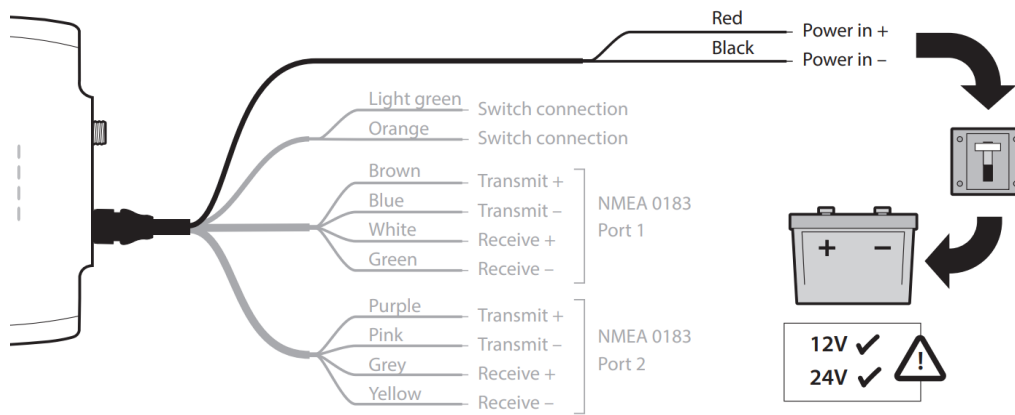


Ensure your antenna is mounted as high as possible and covers 159MHz

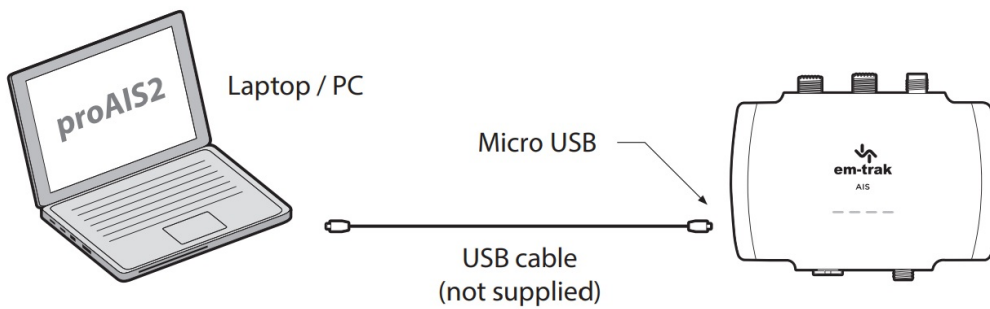
## Installing your GPS antenna



## Connecting to your power supply

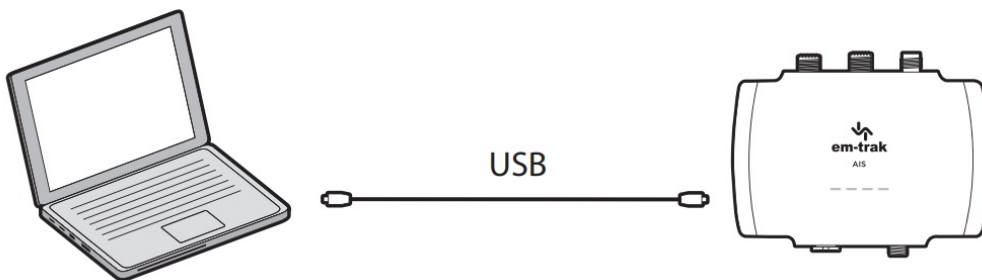


## Configuring your transceiver

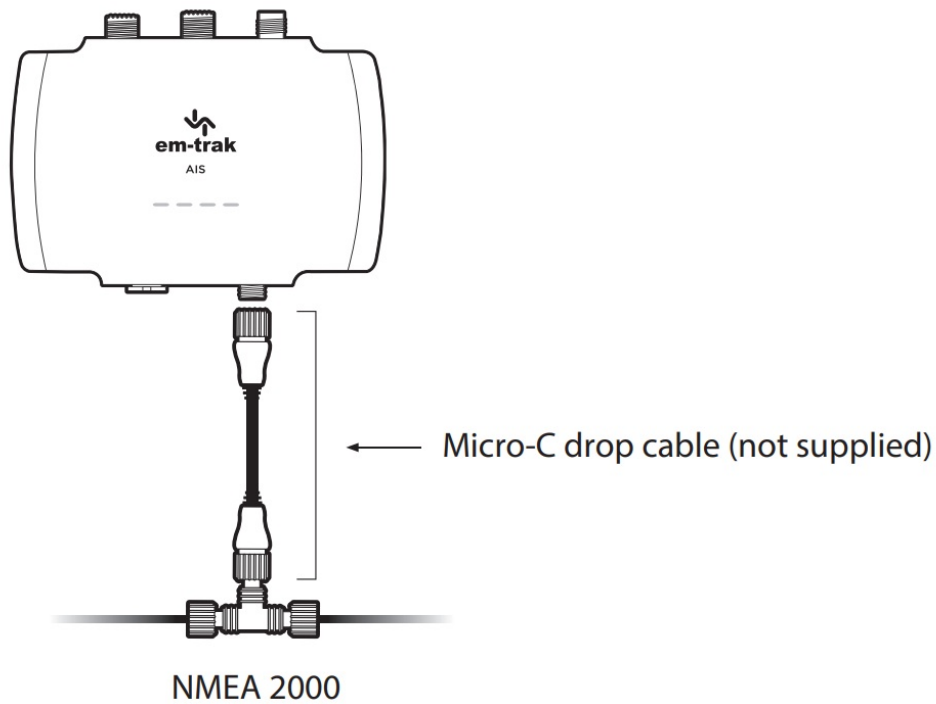


proAIS2 can be downloaded from <https://em-trak.com/installation/>  
External power is not required for USB configuration.

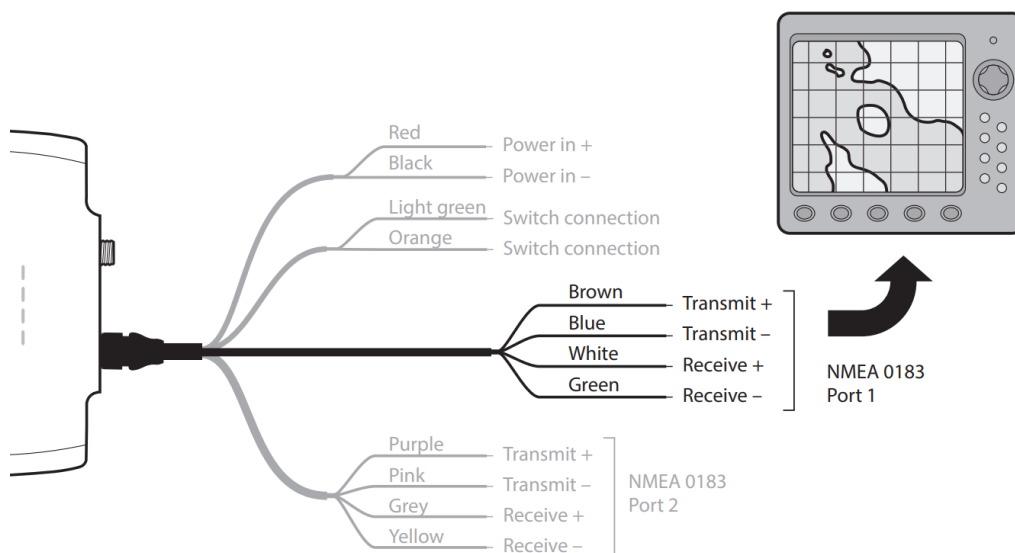
## Connecting to your PC



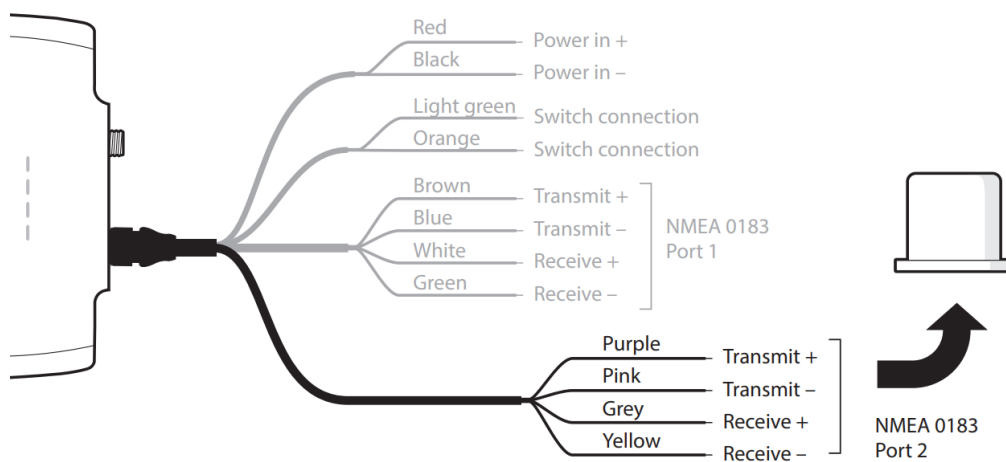
## Connecting to your NMEA 2000 network



### Connecting to your Chartplotter

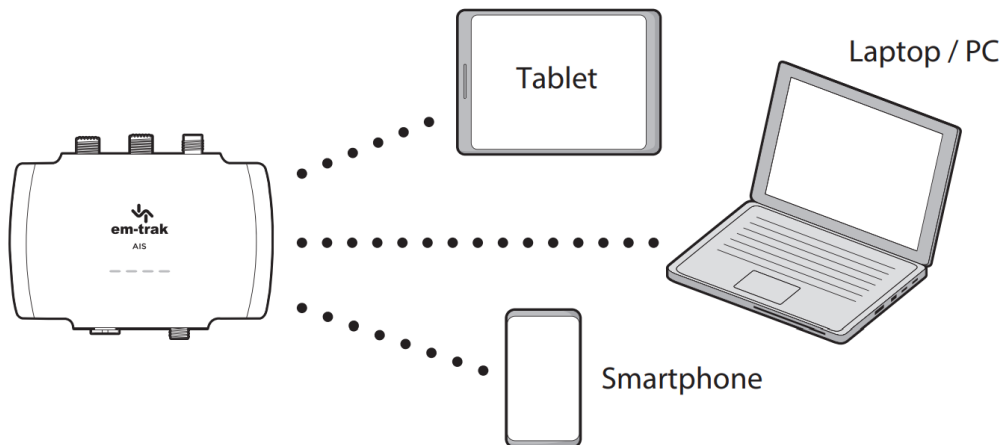


### Connecting to your NMEA 0183 sensor

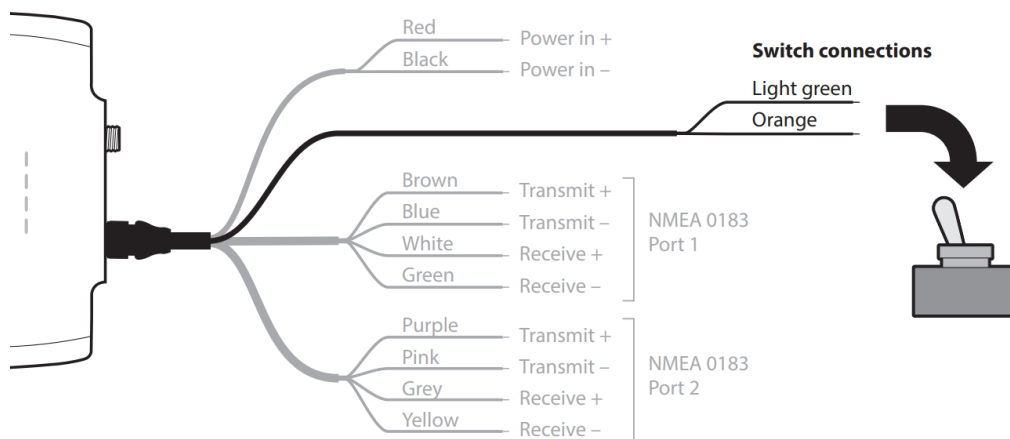


## Connecting your mobile device

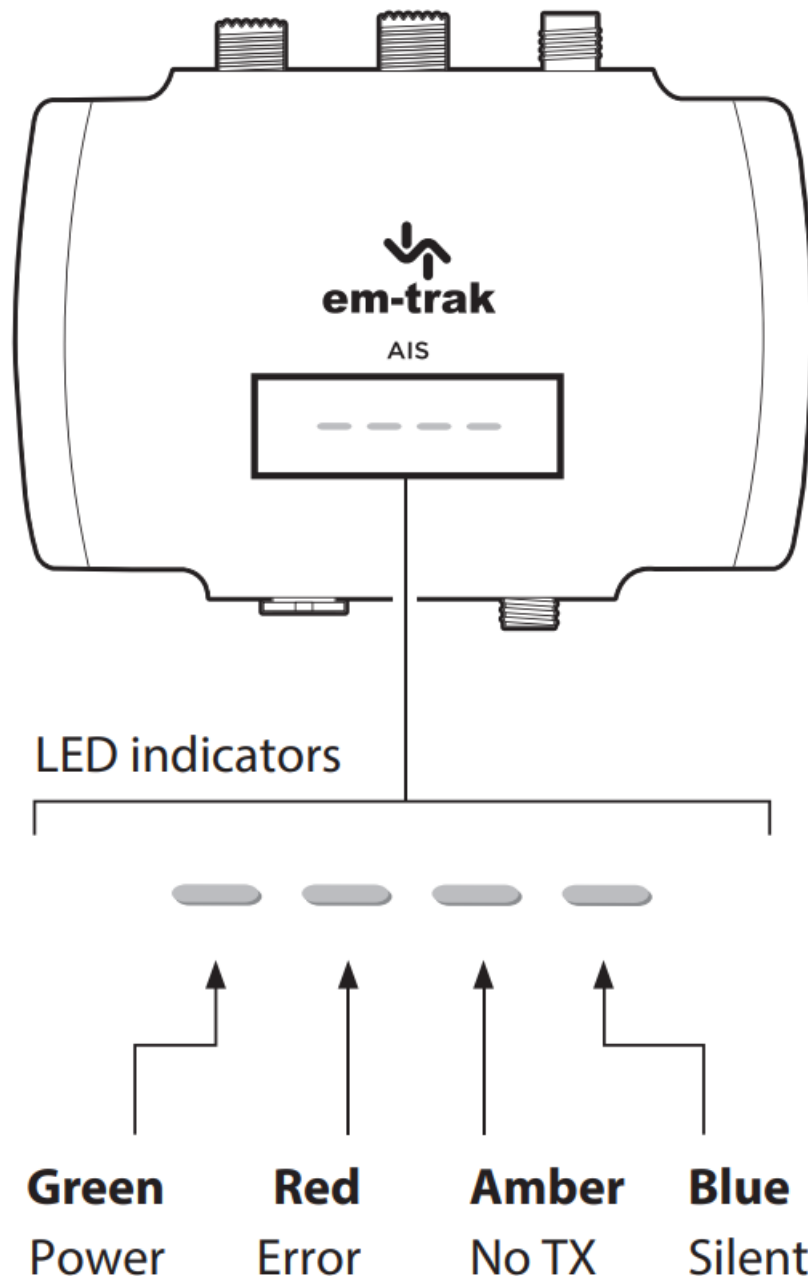
Data can be streamed to two WiFi and seven Bluetooth devices simultaneously.



## Connecting a silent mode switch



## LED indicator functions



#### **Green LED indicator**

This indicates that the AIS transceiver is configured, powered up, and operating normally.

#### **Red LED indicator**

Indicates that the AIS transceiver has detected a system error. The likely causes of this are detailed in the troubleshooting guide in the 8900 Series user manual. Alarms displayed in the Diagnostics tab of the em-trak configuration tools will also assist with troubleshooting.

#### **Amber LED indicator**

This indicates that the AIS transceiver is not transmitting. This can be for a number of reasons:

- The AIS radio channels are exceptionally busy so there are currently no available slots for transmission.
- The unit has been in silent mode and after deactivating silent mode this amber LED indicator will illuminate until the first AIS message has been sent.
- The AIS transceiver has been commanded by the local authority (via an AIS base station) to cease transmissions.

#### **Blue LED indicator**

Indicates that silent mode is enabled. Silent mode is a feature of the 8900 Series that ceases the transmissions

from your own vessel, whilst the reception of other vessel position reports continues. You can activate this using the configuration tools or by activating the toggle switch as detailed in the B900 Series user manual.

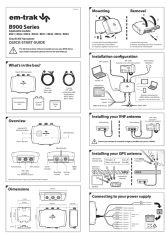
## US customers only

In the USA it is illegal for end-user to configure their own AIS with their vessel data. To do so is a violation of the rules of the United States Coast Guard (USCG). This must be done by a competent installer, such as an em-trak, an em-trak dealer, or competent marine electronics professional. If your transceiver has not been pre-configured for you please refer to your dealer or contact [support@em-trak.com](mailto:support@em-trak.com) for advice on how to have the transceiver configured legally. If purchasing direct from em-trak online we can configure it for you and dispatch it pre-configured at no extra cost, if you are purchasing from one of our dealers, then they will do it for you.

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## Documents / Resources

	<a href="#">em-trak B923 Class B AIS Transceiver with Integrated Splitter</a> [pdf] User Guide B921, B922, B923, B924, B951, B952, B953, B954, B923 Class B AIS Transceiver with Integrated Splitter, Class B AIS Transceiver with Integrated Splitter, Class B AIS Transceiver, Integrated Splitter
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## References

-  [Installation - em-trak](#)