

TA3598-20 Standalone GNSS Options Board Installation Instructions

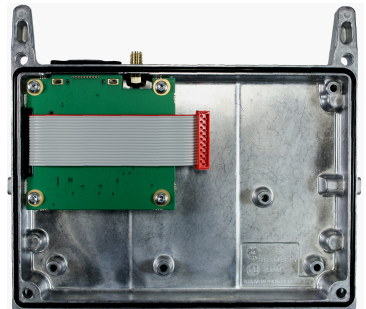


Installation and programming of this radio should only be undertaken by an authorized Tait person.

The TA3598-20 Standalone GNSS Options Board is a GNSS positioning receiver compatible with Tait TM9300/TM9400 series of radios.



The options board is attached to the radio's Internal Options Connector. The options board provides serial location data to the radio.



GNSS Options Board Features

- **Compatibility:** Compatible with a TM9300/TM9400 radio host device.
- **UART Interface:** Utilizes the internal options UART interface to connect to host device.
- **First Fix:** In a powered down state, time to first fix is 30 seconds or better.
- **External Antenna:** Provides for an active external antenna where power (5v DC) is supplied through the antenna connector:
 - External antenna connection is provided via an SMA connector.
 - Short circuit protection is provided.

Supplied Installation Components



External antenna not included.



The host radio must have SFE (**TMAS081**) installed.

- Receiver attached to the radio lid.
- External SMA connector.
- Radio loom.

Installation

For instructions on how to install the TA3598-20 Standalone GNSS Options Board, please see the TM9300/TM9400 Installation Guide (**MMB-00004-xx**).

When attaching external antenna, torque the nut to a recommended 3–5 in·lbf (0.3 to 0.6 Nm).

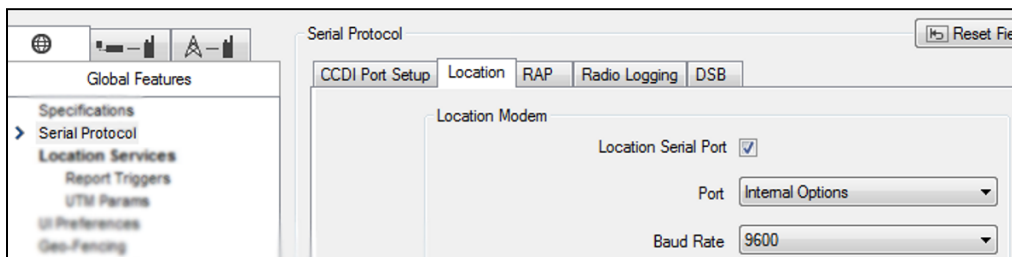
Programming

When configuring the options board in the Programming Application Help, the following settings are required:

Go to **Global Features**:

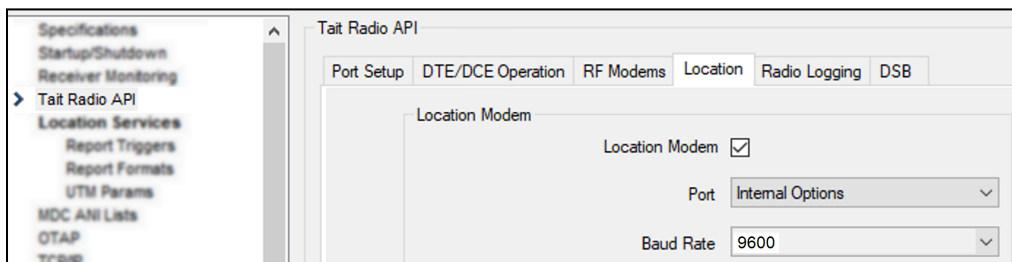
TM9300 Radios

- Go to the **Serial Protocol > Location** tabs.
- Check the **Location Serial Port** check box.
- Set **Port** to **Internal Options**.
- Set **Baud Rate** to **9600**.



TM9400 Radios

- Go to the **Tait Radio API > Location** tabs.
- Check the **Location Modem** check box.
- Set **Port** to **Internal Options**.
- Set **Baud Rate** to **9600**.



More Information

Refer to your radio provider for more information about these products.

For information on using your Tait radio safely, see the Health and Safety guide provided with your device.