

20|20

Trimble GFX 250 & 750 Display GPS Setup

Overview

In order for the 2020 Monitor to receive GPS data from a third party receiver, the receiver, or display controlling it, must have NMEA Strings and Baud Rate configured for output. The basic requirements for the 2020 monitor are:

NMEA Strings: Set at **5 hz**.

- GGA: Time, position, and fix type data
- RMC: Time, date, position, course, and speed data
- VTG: Course and speed information relative to the ground.

Baud Rate: 19200 or 38400

Connecting the 2020 to the NAV system: 3 options

1. NAV 900 with AutoSteer without NAVII:

Use 727068 Adapter into NMEA port on cab harness.

2. NAV 900 with NAVII:

Use 725599 (if aftermarket install) or 727131 (if OEM install) harness to plug into the NAV.

3. NAV 900 without Autosteer:

Use 727131 Harness to plug into the NAV 900. The 727131 Harness will need to be repinned: Swap Pin 8 and Pin 2 on both Deutsch connectors that T into the receiver harness. Plug the 2020 system into the 4 pin round connector labeled “Port 1 & 2.”

Display Configuration

Step 1:

From Home Screen, select GNSS Setup.

Step 2:

Select Edit

Step 3:

Select NMEA Messages

Step 4:

Turn on NMEA Messages

Step 5:

Configure NMEA messages to 5 hz, Baud rate to 38400, and enable GGA, VTG, and RMC messages.

Step 6:

Set Output port to correct option depending on plug-in location above.

Setup is complete. Reacquire GPS data in 2020 if necessary.