

SeedSense®

Trimble CFX/FM 750

- with

Installation & Configuration Guide for Harness 725599:

Summary: In order for 20/20 SeedSense Monitor to receive NMEA strings from a third party GPS receiver, there are a few simple steps that must be completed before signal will be transferred. Below are step by step instructions detailing configurations and requirements for communicating with our 20/20 SeedSense Monitor. Here are a few basic requirements for the 20/20 SeedSense Monitor.

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

Precision Planting Harnesses Available for communication from Trimble FMX to 20/20 SeedSense Monitor

Precision Planting Harness: 727060



Configuring the CFX-750 display to Output NMEA

Next we will look at images giving instructions to output NMEA messages from the Trimble CFX-750 with EZ Steer (No Nav II controller)

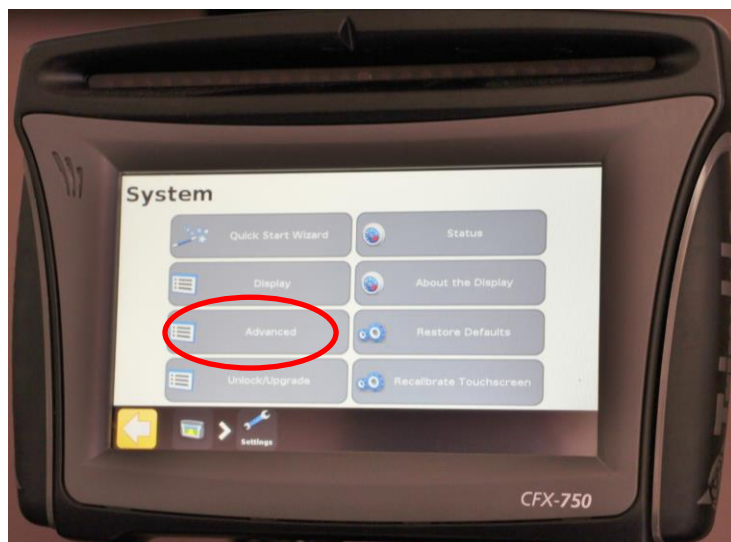
Step 1: Locate the wrench located on the left hand side of screen.



Step 2: Now that you are in the Settings screen you will see a button labeled System.



Step 3: During this step we will change the user configuration to Advanced. The CFX-750 will not allow the user to output NMEA messages without Advanced User enabled.



Step 4: This screen allows the user to Enable Advanced User Configuration. **Turn on** Enabled Advanced User Configuration



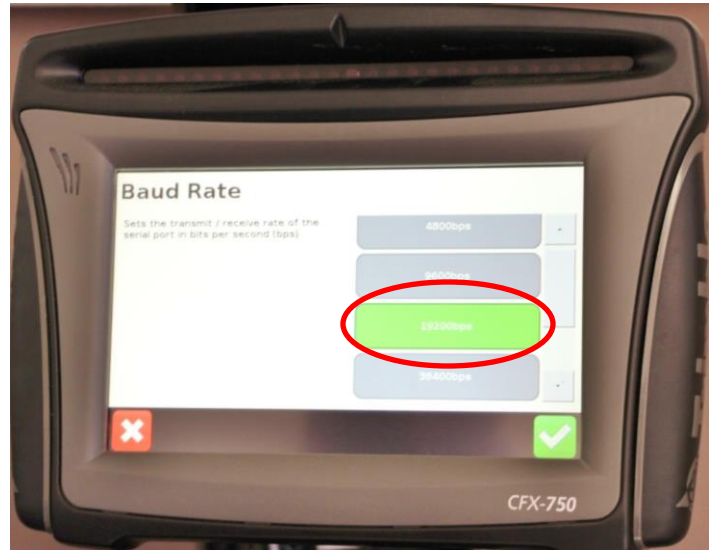
Step 5: Press NMEA output to configure NMEA Messages.



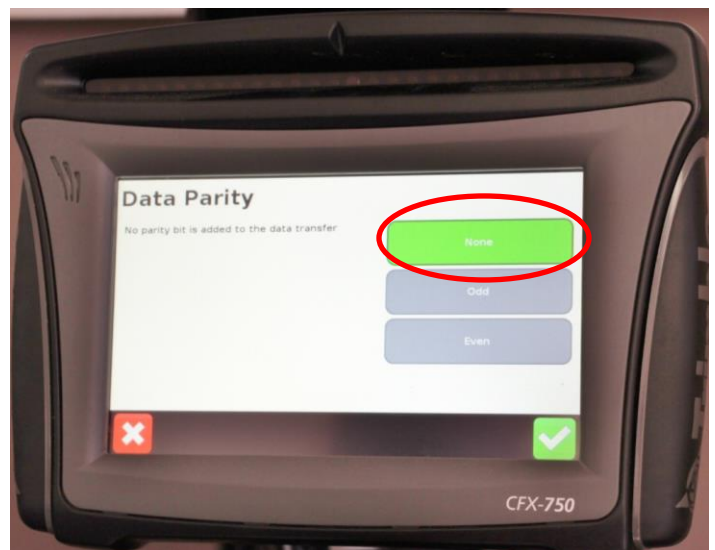
Step 6: Now we will tell the Trimble CFX which port to send the NMEA messages through. Available options for external Ports are A & B, select port A.





Step 7: Precision Planting requires a baud rate of 19200 or 38400. This can be selected from the down arrow shown below.



Step 8: Data Parity will be set to NONE Verify the Port Parameters are correctly set and press the green Check box.



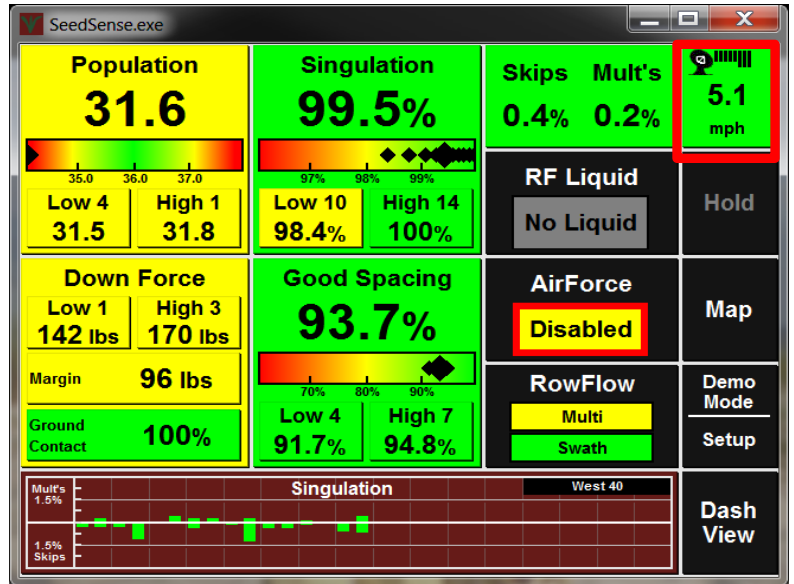
Step 9: Select NMEA Messages
-GGA, VTG, & RMC = 5Hz

After these messages are selected you will next go to a screen that prompts decimal places. Continue past this screen by pressing Green Check  box. Then press the Yellow Arrow  in the lower left corner to get back to the home screen.



To verify GPS communications we will need to go to the 20/20 SeedSense Display Unit.

From the home screen press the SPEED/GPS button



Press REACQUIRE GPS:

Then Verify Communication Quality and NMEA Messages

