



NMEA Output for AgLeader: Integra (Trimble 372, 262, 252, & 162)

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, 38400, or 115200

Precision Planting Harnesses Available for communication from AgLeader Integra to 20/20 SeedSense Monitor

Precision Planting Harness: 727131



AgLeader Integra:

- Trimble 372, 262, 252, & 162

Plug the 4 pin labeled GPS into the Precision Planting Universal Tractor Harness 725499 (Connecting to Display Unit) at the 4 pin labeled GPS.

Connecting 20/20 to AgLeader Integra with Trimble 372, 262, 252, & 162

Connect to Port B with our 727131 cable.

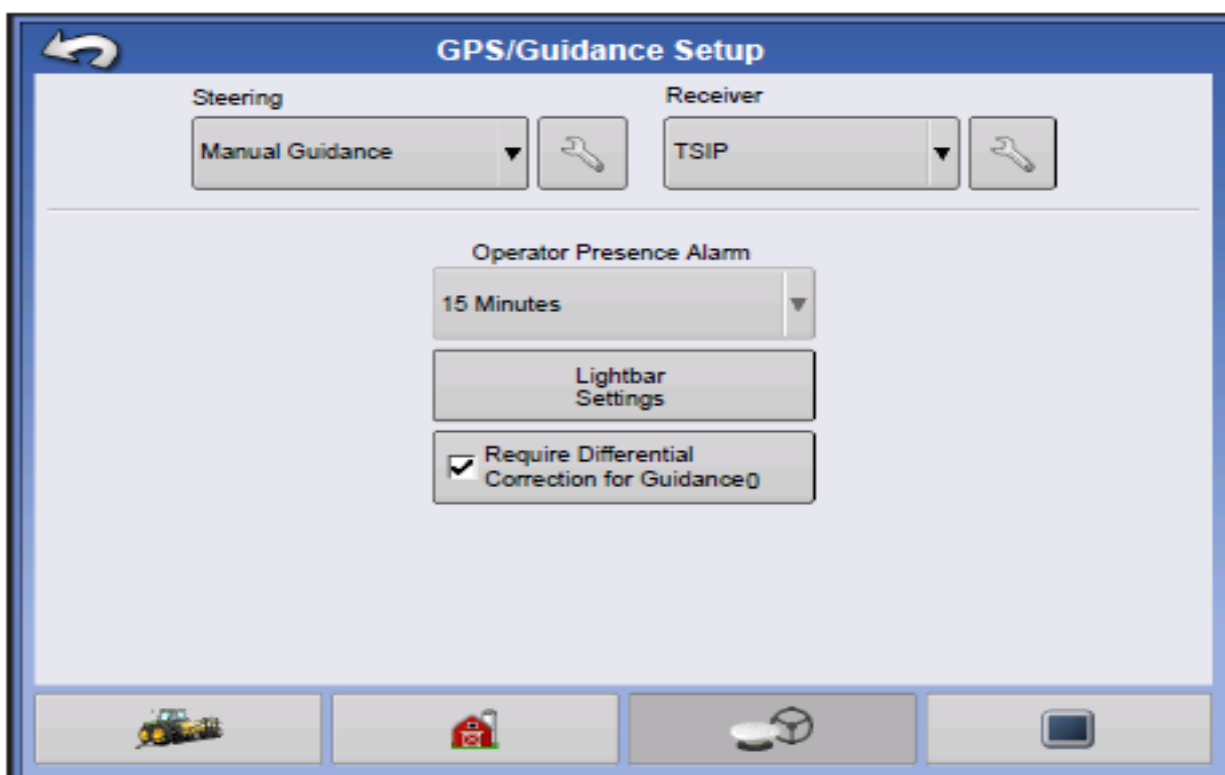
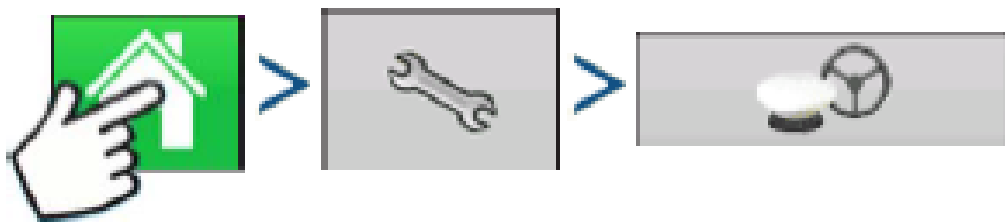
Note: Connect to Port B with our 727131 cable. If both ports are being used, unplug the harness in Port B and plug the 727131 into Port B. Then plug the harness that was in Port B into the open port on the 727131. Only plug the 2 pin weather pack on the 727131 harness into power if the receiver is not being powered by the OEM display.

Configuration:

Step 1: From the home screen we will press the wrench button to take us to the setup screen.



Step 2: Press: Home button > Setup (wrench) button > GPS button



Step 3: Press: Home button > Setup (wrench) button > GPS button> Receiver Setup (Wrench)



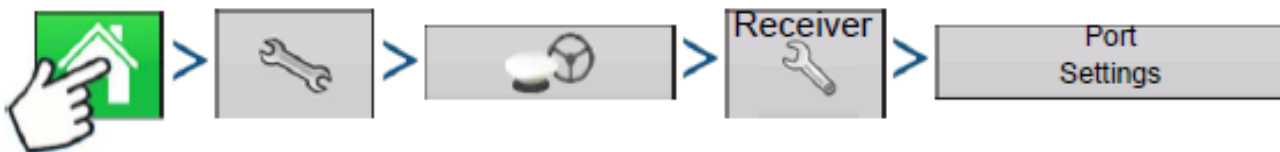
Step 4: Press: Home button > Setup (wrench) button > GPS button> Receiver Setup (Wrench)> Port Settings

NMEA Messages:

- GGA
- VTG
- RMC

Output Baud Rate:

- 19200
- 38400
- 115200



GPS Port Setup

Port B - Connected

Output Baud Rate: 38400

NMEA Messages:

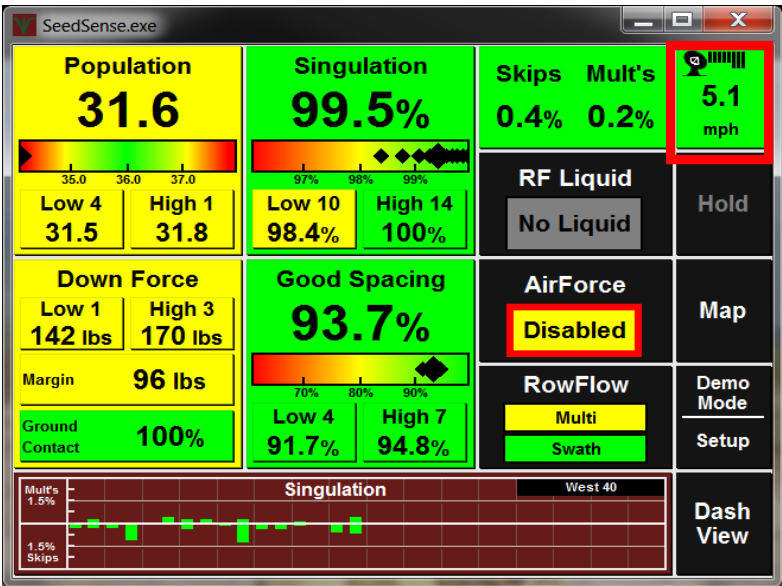
- ☒ GGA (Position)
- ☒ VTG (Speed)
- ☐ GSA
- ☐ ZDA
- ☐ GSV
- ☒ RMC

GPS Position Rate (Hz): 5

✓ ✕

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 are set to 5Hz.

