



NMEA Output for AgLeader: Integra (GeoSteer)

AgLeader Harness: 4003263-6 is required to complete installation

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

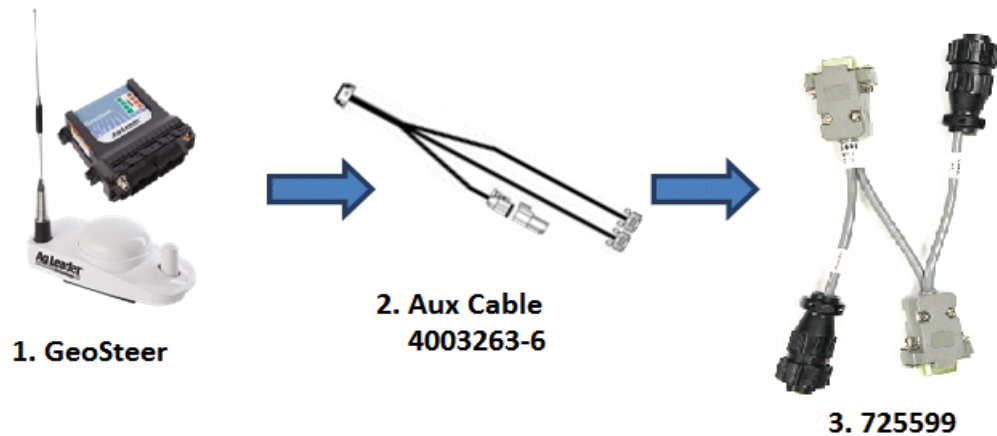
Precision Planting Harness: 725599



AgLeader Versa & Integra GeoSteer:

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

Harness installation:

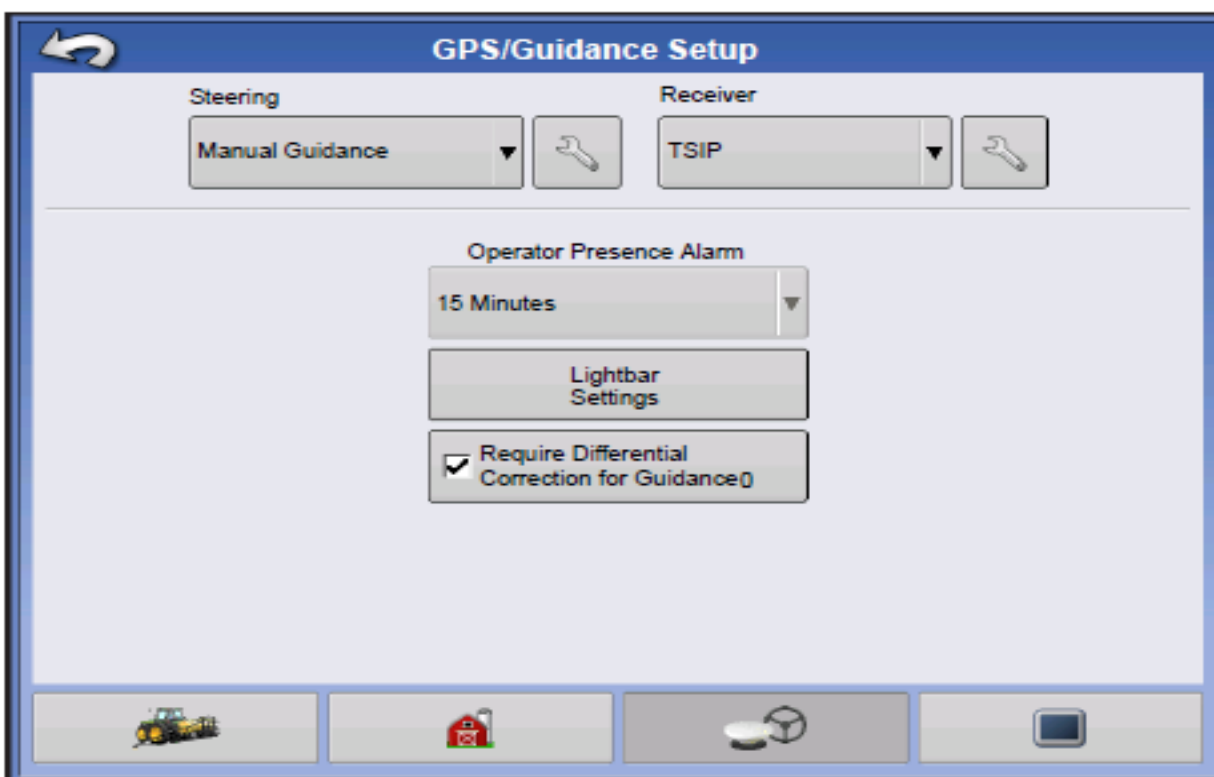
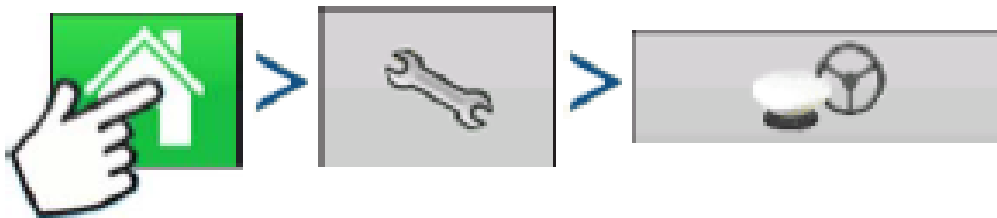


Next we will look at visual images giving instructions to output NMEA messages from the AgLeader Integra:

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)



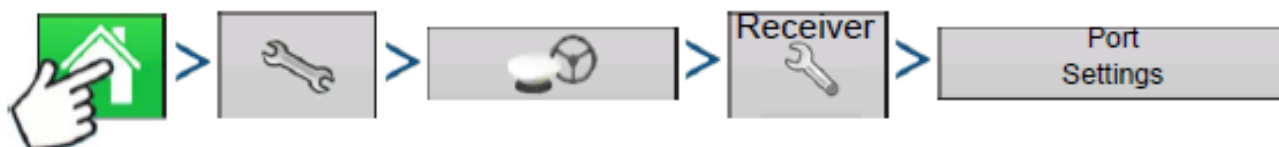
Step 4: Press: Home button > Setup (wrench) button > GPS button> Receiver Setup (Wrench)> Port Settings

NMEA Messages: 5Hz

- GGA
- VTG
- RMC

Output Baud Rate:

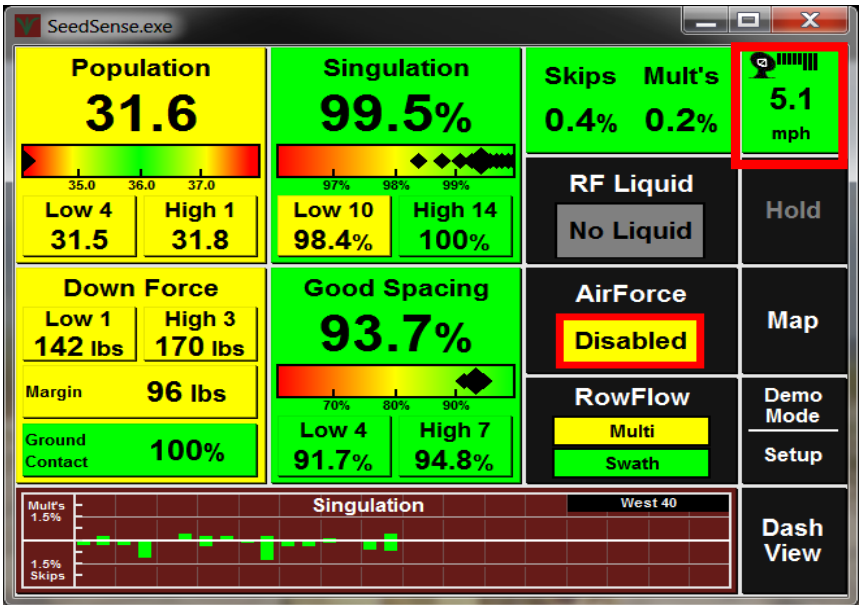
- 19200
- 38400
- 115200



The screenshot shows a 'GPS Port Setup' dialog box. At the top, it says 'Port A - Connected'. Below this, there are two main sections: 'Output Baud Rate' and 'NMEA Messages'. In the 'Output Baud Rate' section, a dropdown menu is set to '38400'. In the 'NMEA Messages' section, there are several checkboxes: 'GGA (Position)' is checked, 'VTG (Speed)' is checked, 'RMC' is checked, and 'GSA', 'ZDA', 'GLL', and 'GSV' are unchecked. At the bottom right, there are two buttons: a green one with a checkmark and a red one with an 'X'.

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

