

SeedSense®

NMEA Output for AgLeader: Insight (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 Insight to 20/20 SeedSense Monitor

Precision Planting Harness: 727131



AgLeader Insight:

- 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 Insight with Trimble 372, 262, 252, & 162

Connect to Port B with our 727131 cable.

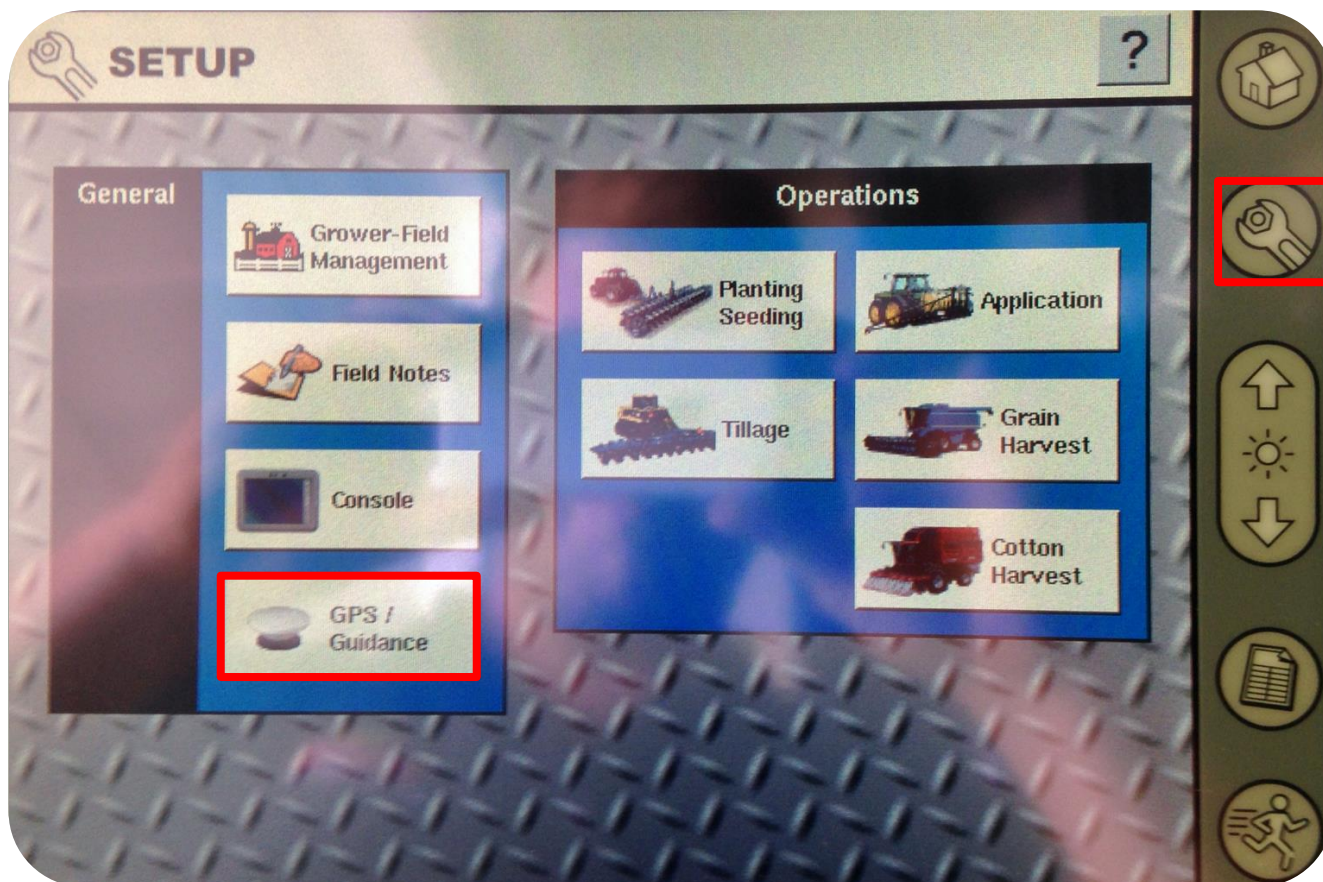
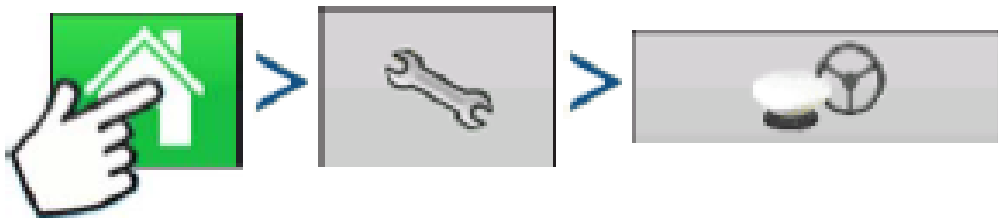


Configuration:

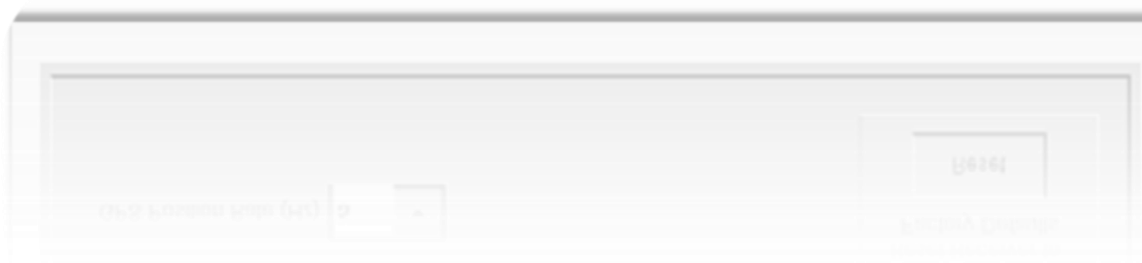
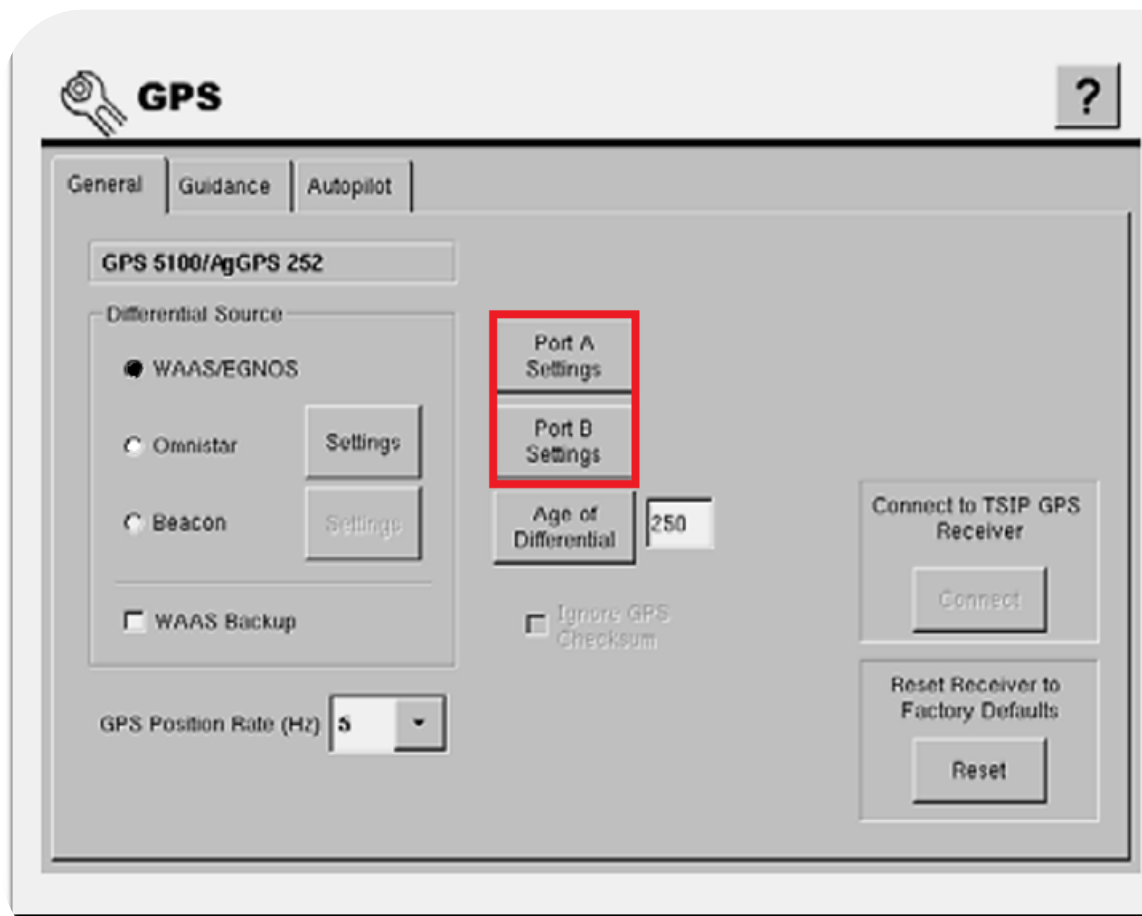
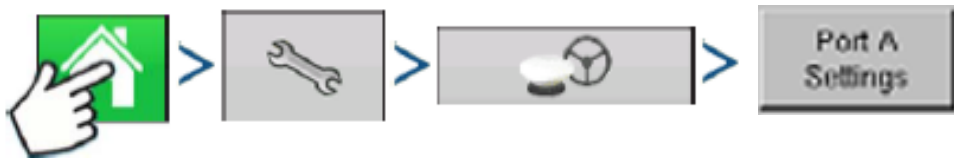
Step 1: From the home screen we will press the wrench button to take us to the setup screen.



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



Step 3: Press: Home button > Setup (wrench) button > GPS button> Port A (or B) Settings



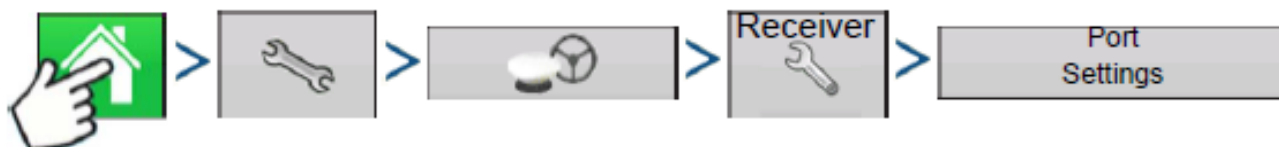
Step 4: Press: Home button > Setup (wrench) button > GPS button> Port Settings

NMEA Messages: 5HZ

- GGA
- VTG
- RMC

Output Baud Rate:

- 19200
- 38400
- 115200



Serial Port Settings

Port: **PORT B** Connected to Port: **PORT A**

Output Type: **NMEA**

Output Baud Rate: **19200**

Output Parity: **None**

GPS Position Rate (Hz): **5**

Output Rate (Hz): **ASAP**

NMEA Messages

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

ACCEPT **CANCEL**

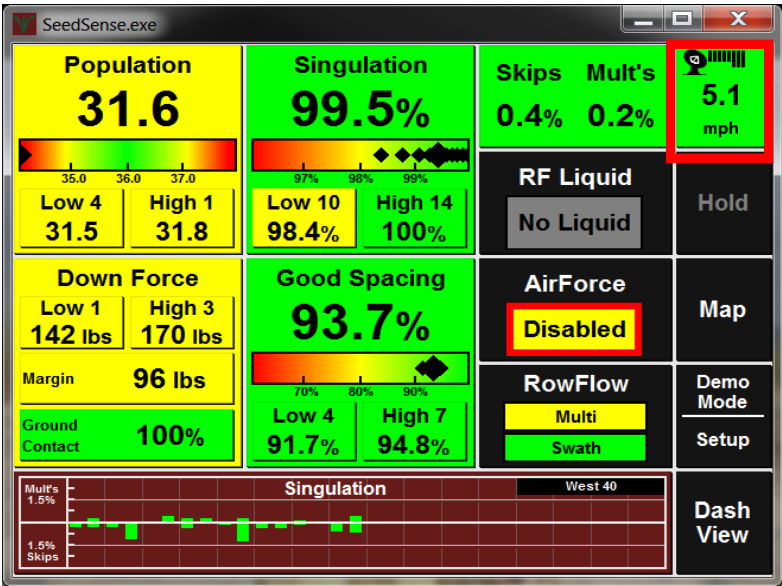
VCCEB.L

VCVCEET

Order user (Hz) 19200

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.

