



John Deere

- **All GS2 & GS3 Display & StarFire Receivers**

Installation & Configuration Guide for Harness 727124:

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

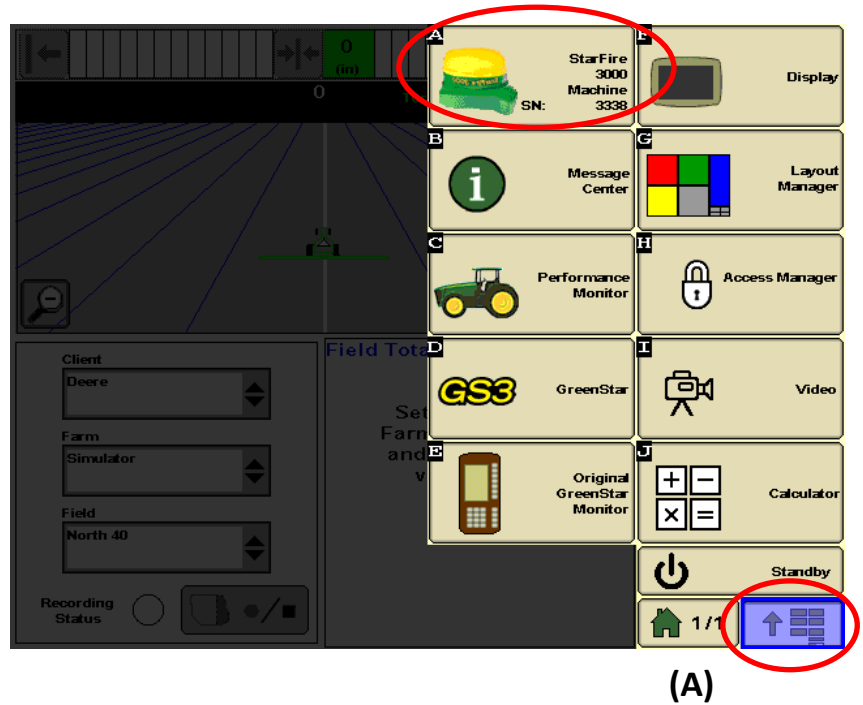
Connecting 20/20 to StarFire

Connect the 727124 harness to the Starfire receiver outside the cab. If John Deere is powering the Starfire do not connect the 2 pin Weather Pack connection next to the 4 pin GPS connection. If John Deere is not powering the receiver then connect the 2 pin Weather Pack to aux power on the Cab Control Module or order 700242 Aux power harness.

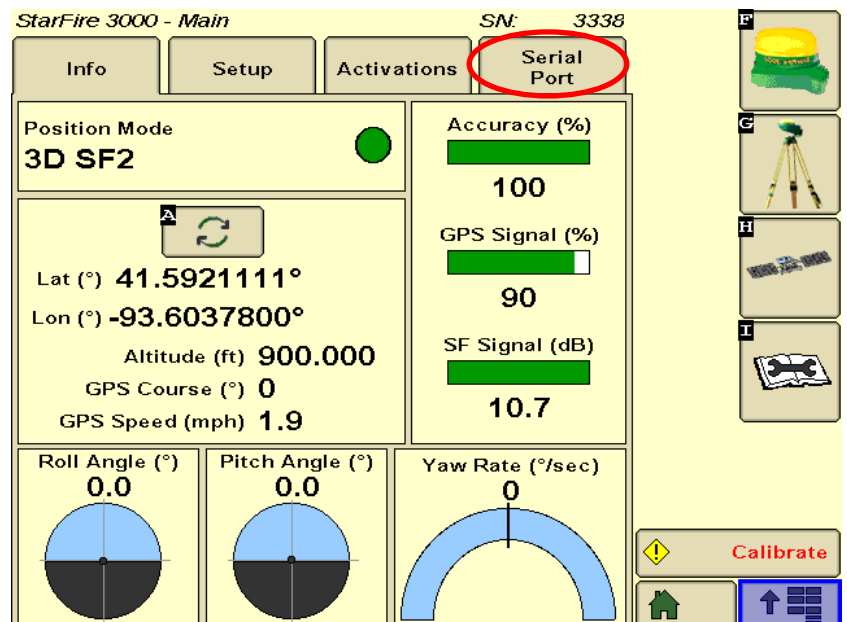
Display Configuration:

Next we will look at visual images giving step by step instructions to output NMEA messages from the John Deere GreenStar:

Step 1: Locate the menu button (A) in the lower right hand corner of the GreenStar Display. Then select StarFire receiver from the menu.



Step 2: Select the Serial Port tab.

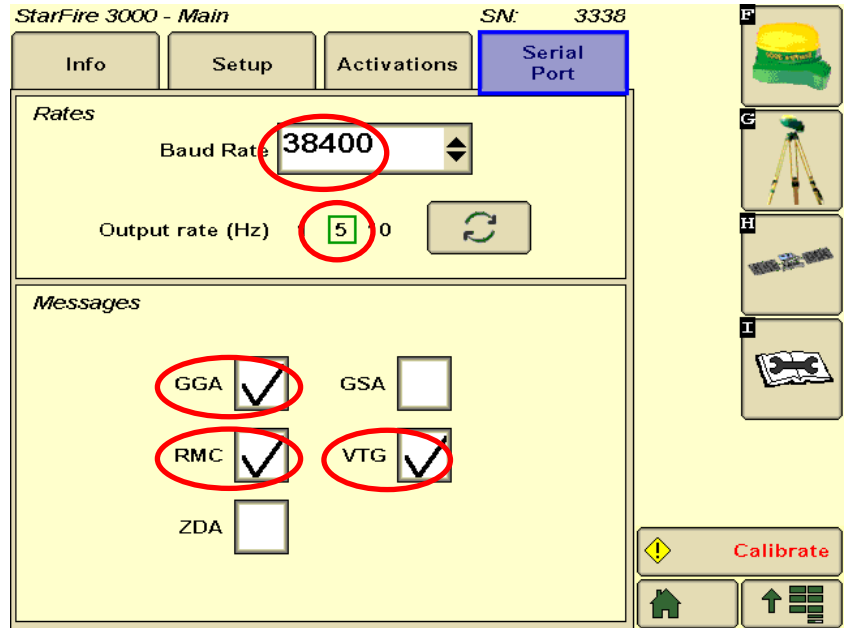


Step 3: Change Setup:

Baud Rate to **38400**,

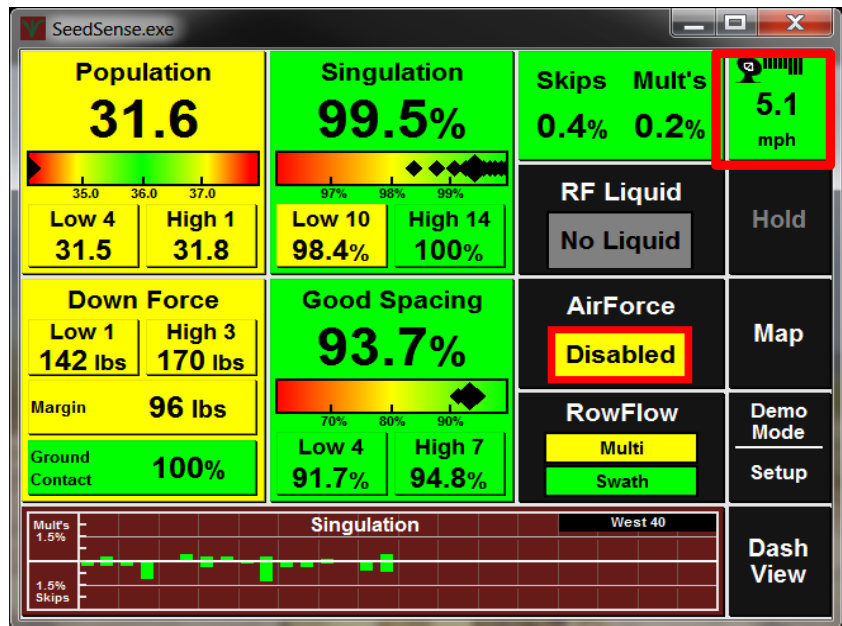
Output rate to **5 Hz**

Select Messages **GGA RMC VTG**.



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



First press REAQUIRE GPS: Then Verify Communication quality and NMEA Messages

