

# SeedSense®

## Case IH Pro 600 / 700 (New Holland IntelliView IV)

- with Trimble receiver (372, 262, 252, 162)

### Installation & Configuration Guide for Harness 727131:

**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 Harness: 727131



## Configuring a Trimble 372, 262, 252, & 162 through a Pro 600 / 700 or New Holland IntelliView IV

**Step 1:** Connect the 727131 to an open Port A or B. 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.

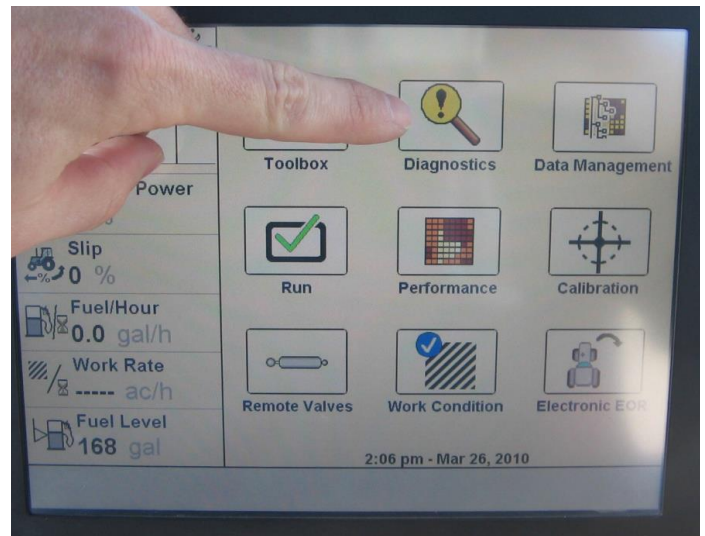
Only plug the 2 pin weather pack on the 727131 harness into power if the receiver is not being powered by the OEM display.

**EXCEPTION:** When using a Trimble 162 Receiver configure Port A.

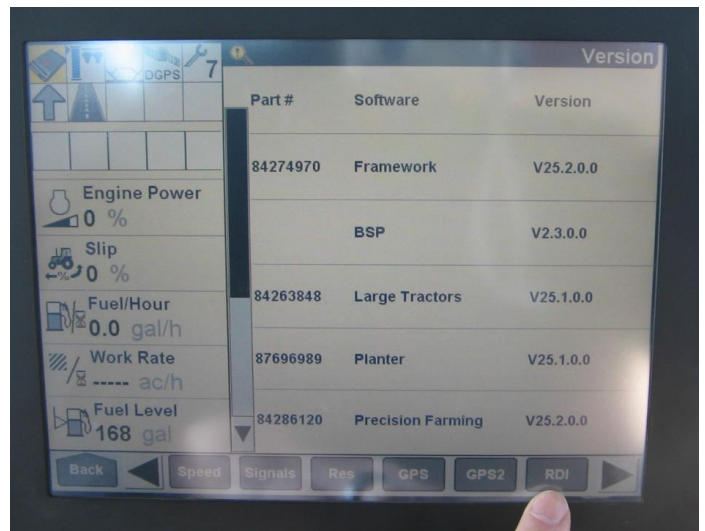


Next we will look at visual images giving step by step instructions to output NMEA messages from the Display:

**Step 1:** Click the Diagnostic button.



**Step 2:** Click the RDI button to access the GPS configuration tool. If the button does not show up click the right arrow to access the RDI button.



**Step 3:** Use the arrows in the middle of the screen to navigate through screens, the ESC to step back one level, and the Enter to accept changes.

Press the down arrow once.



**Step 4:** Press the right arrow until you see the Configuration screen. Then press the down arrow to enter.



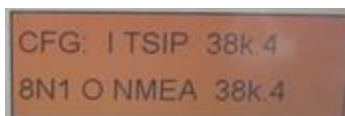
**Step 5:** Push the right arrow until you see the Port A or B or C Config Screen. Then press the down arrow to select which port you have the 727131 harness plugged into. If you have the 727131 plugged into Port B and the harness that was in Port B into the open port on the 727131 use Port C Config.



**Step 6:** Click the right arrow to get an active cursor, use right/left arrows to move the cursor to different settings. Move the cursor to the second line next to 8N1 O TSIP and select TSIP. Use the up and down arrows to select NMEA then select baud rate at 38K.4 or 19K.2. Once selected, press the enter button.



### The correct setting



**Step 7:** Click the down arrow to get to the NMEA1 message selection screen (Same process as above to navigate the active cursor to the desired item and change it).

**Upper case messages are active**, lower case messages are inactive.

Make **GGA** active and press Enter.



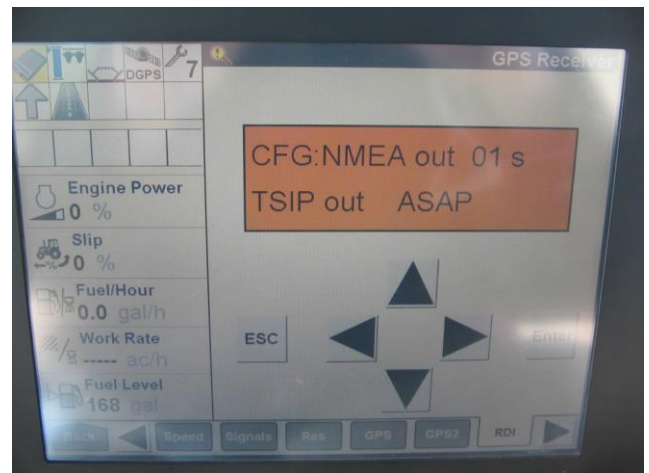
**Step 8:** Click the down arrow to get to the NMEA2 message selection screen (Same process as previous step).

Make **RMC** and **VTG** active by changing the text to upper case. Click Enter to accept.

**Step 9:** Press the right arrow to get the active cursor on the NMEA out timing.

It defaults to 1s (1Hz), with the active cursor on the S, press the down arrow until it changes to ASAP. If it does not change press the right arrow once more and then the down arrow.

Press Enter to accept changes. ASAP allows 5Hz output.



**Step 10:** Press the ESC button then the back button.



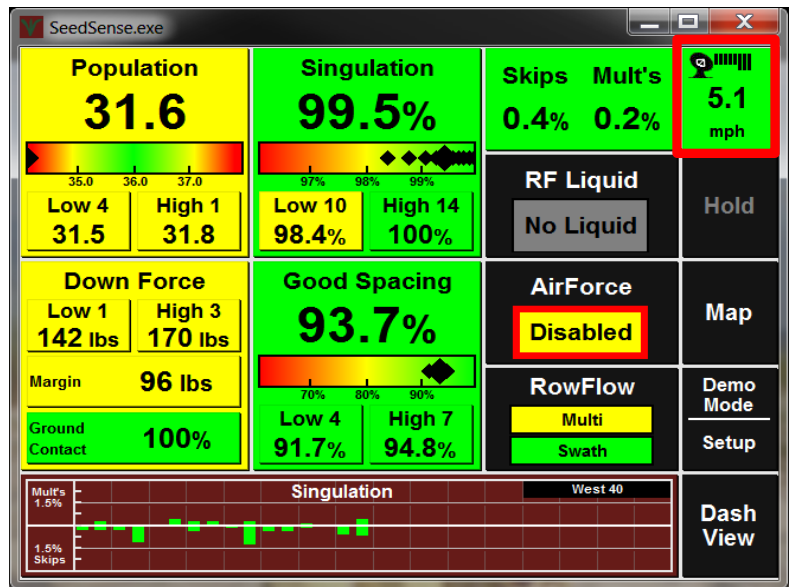
**Step 11:** Press the Run button to return to the main operating screen.



In certain instances we have found that the final step to NMEA output needs to be the baud rate change. So in this case you would alter the other settings, but skip the baud rate portion. At the end go back and input the baud rate to 38.4 or 19.2 hit Enter then Exit.

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

