

No GPS signal is being received when connected directly to a GPS receiver.

Symptom:

The Tablet PC running T3RRA Software is connected directly to GPS but it is not receiving a GPS data stream.

Cause:

There are two potential causes of this problem.

- 1. The GPS receiver is not properly configured to output data via serial.**
- 2. The cable between GPS and tablet is not connected or defective.**

Solutions:

- 1. Check your receiver settings to ensure the correct data strings are being sent to the appropriate port.**
 - a. NMEA GPGGA @ 5 Hz**
 - b. NMEA GPGSA @ 5Hz**
- 2. Check your receiver settings to ensure that the baud rate in use matches that expected by your T3RRA software. The rates configured in each must match.**
- 3. Check your cabling.**

4. **Perform Windows updates.**

If connecting to a StarFire receiver directly with a T harness (AE3070 from AgExpress), confirm harnessing is correctly installed for surveying without iGrade.

To test if T3RRA software is at fault when no serial data is being received from iGrade it can be helpful to close the T3RRA software and use another independent program to read and display the serial data. One such program is 'RealTerm'

<https://realterm.sourceforge.io/> . If you can successfully display incoming iGrade data in a serial terminal program it rules out a bad serial cable or incorrect settings on iGrade. If you are receiving valid text strings in such a program take special note of the port settings (Baud rate, and COM port number). These will be the same ones needed in T3RRA software.
