

## **Geometrics Knowledgebase**

### **How can I connect a GPS to my G-858 Magnetometer?**

It is a fairly simple task to connect a GPS to a G-858 magnetometer. You can use the External I/O cable assembly and a null modem to connect the G-858 to most GPS receivers.

Null modems are available from Geometrics or from local Radio Shack or computer stores. The Null modem pin configuration for GPS receivers that have a data cable compatible with 9 pin IBM PC COM ports has male pins on both sides.

The GPS should be set to output NMEA data that contains the \$GPGGA sentence.

Be sure to set the RS232 protocol to 9600 Baud, 8 Databits, 1 Stop Bit and No Parity

The G-858 must have its serial port set to the same baud rate as the GPS.

You can use System Setup->Com & Field Note String Setup->Chat Mode to determine whether correct communications have been established.

<http://support.geometrics.com/kb/questions.php?questionid=19>