

TECHNICAL BULLETIN NO. 20130111

January 11, 2013

SUBJECT **Connecting a Garmin Serial Data/Power Cable to a Field Scout Device**

PRODUCT FAMILY **Field Scout Meters with Data Logging Capability**

Background

Garmin GPS72 and GPS76 model GPS receivers have the ability to output a GPS data stream to Field Scout meters. An accessory cable (Garmin Part # 010-10141-00) is available for these receivers that allow them to be connected directly to a Spectrum Technologies GPS/DGPS cable (Item 2950CV5). This cable has a unique round connector that has an equivalent socket on the above mentioned receiver models. Garmin produces other GPS receivers with the necessary serial output (NMEA 0831) that do not have the socket necessary to use this cable. For these meters, customers can use the Garmin the Garmin Serial Data/Power Cable (Part # 010-11131-00). This item can be purchased directly from Garmin.

This bulletin describes how to wire the Garmin cable to a Spectrum Technologies stereo plug (item # 3661). Because the port on the GPS receivers requires a powered connection, you will also need a 9 volt alkaline battery.

The stereo plug connections to the Garmin cable are as follow are shown in Table 1. See Figure 1 on the next page for a diagram.

<u>DESCRIPTION</u>	<u>GARMIN CABLE</u>	<u>3.5 mm STEREO PLUG</u>
Serial Data Out	Yellow Wire	Tip
Serial Data In	White Wire	Ring
Serial Ground	Green Wire	Base
8-36 Volts DC	Red Wire	Battery Positive (+)
Ground	Black Wire	Battery Negative (-)

Table 1

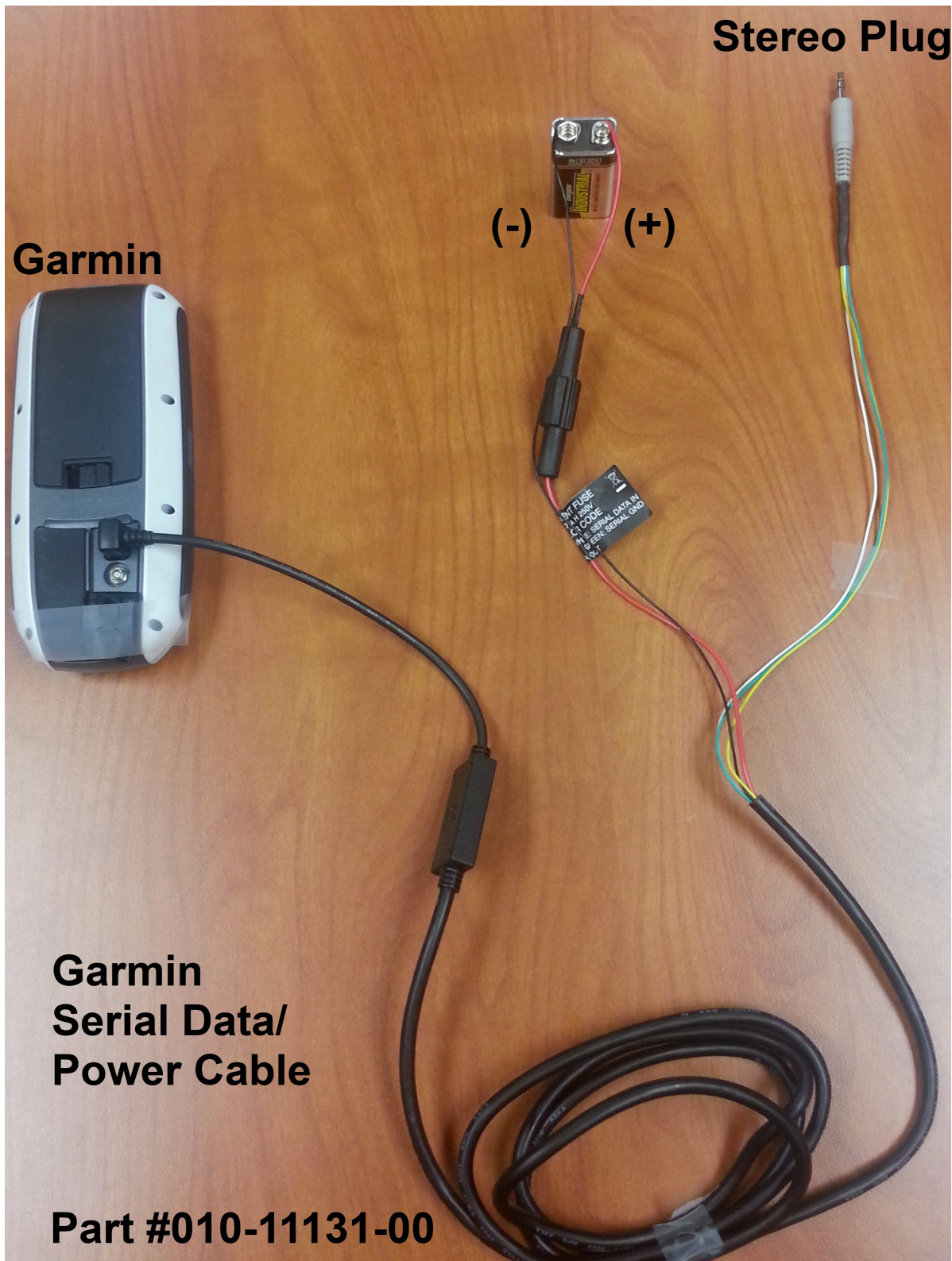


Figure 1