

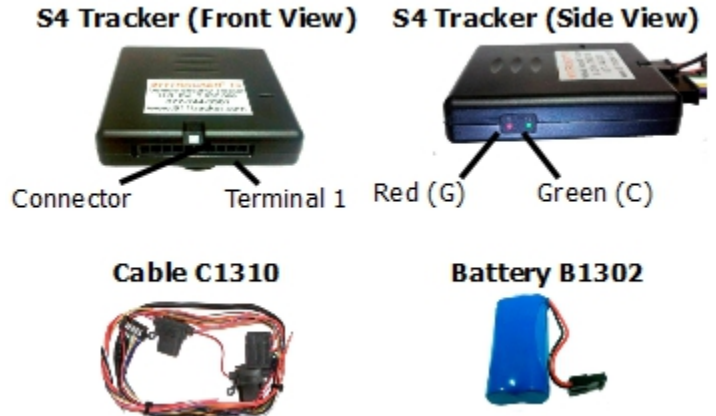
**BEFORE THE CUSTOMER LEAVES THE VEHICLE WITH YOU MAKE SURE YOU GET THE PHONE NUMBER OF THE S4 SYSTEM. YOU WILL NEED THIS DURING VERIFICATION.**

## Mounting the S4

Mount the unit in a non-visible location (normally under/inside dash, behind the glove box, under a seat, or under rear package shelf). Make sure the unit has 911SafeTrack label pointed toward the sky and is secured well so that it will not fall from its location. Never mount the unit in the engine compartment or in a location that would be exposed to the elements or excess moisture. Avoid kick panel mounting because of potential moisture problems.

## Wiring

- **Black:** Ground (Connect to a known good ground source)
- **Red:** 12v Constant (Connect this wire to a circuit that has power at all times -- HOT AT ALL TIMES)
- **White:** 12v Ignition (Connect this wire to a circuit that has power only with the ignition turned on THIS MUST BE TRUE IGNITION, NOT ACCESSORY)
- **Green:** Horn Output (+) (Connect this wire to the vehicles horn wire or vehicle alarm sounder wire. This signal can be either zero when horn is sounding or plus when sounding - See below)
- **Option - Pink - Starter disable/enable:** (Connect to circuit that has 12v power at all times. Connect two **Orange** wires from the relay **in series** with starter.)
- **Option - Blue - Door unlock:** (Connect to door unlock input. S4 output goes to zero volts for 1 sec with max current of 250 mA)



## Verification

Note: You can also do the system checks below using the free Android 911SafeTrack S4 App - see: <http://www.911safetrack.com/tech-tips.php>

### Connect the system:

- Plug in S4 10-pin connector
- Plug in Backup Battery

With the system connected, after a few seconds the Green LED will turn on to show cellular is connected and Red LED will turn on showing GPS receiver is on. After a couple minutes the Red LED will start flashing to show GPS satellite lock.

Green light on and red light flashing indicate that the system is working properly. If vehicle is stationary for five minutes after the key is turned off, Red LED will go off, showing GPS is sleeping.

At this point you will need to send a simple test text message to the S4. To do this, send **12345 status** (note there is a space between 12345 and status) to the S4. The S4 will respond with a status text message. If it says alarm is sounding, then send text **12345 at\*alarm=0** which changes S4 to detect low signal for alarm.

Verify S4 GPS operation by sending **12345 gps** for location. The S4 will respond with a text showing lat/long, speed, direction.

Send S4 the following text that lets S4 know that you are the temporary S4 Owner --

**12345 at\*user=0,nnnnnnnnnn,1** where nnnnnnnnnn is your phone number. S4 will respond with an OK. Now with ignition off, make the vehicle sound the horn for at least 8 seconds. You can either set off the vehicle alarm or press the horn button. Your phone will respond with Alarm Sounding message.

Before returning vehicle, **send above "user" text** with the owners phone number.

Verify S4 door unlock operation by sending **12345 pulse** The S4 will unlock the door and respond with an OK.

Verify 3-way voice call by having S4 call a special 911SafeTrack test number as follows --

Call the S4. S4 will auto answer and say, "Tracker connected, press 1 to continue." When you press 1, S4 will say, "Press # to call police or press 3 for location." Instead of pressing # or 3, press 9. You will hear the recorded voice message and the call will disconnect. S4 will send you text to confirm the test call.

Issue	Action Required
Both LEDs Off	Check fuse in the black fuse holder on the Cable. The fuse is a regular plug-in automotive fuse, 2 Amp.  Temporarily unplug Cable from the S4 and confirm that the <b>red</b> wire on <b>terminal 3</b> is providing 12v.
Green LED continues blinking	S4 is powered On and searching for cellular connection. Check for proper T-Mobile signal.
Red LED is On constantly (not blinking)	GPS is powered On and searching for GPS satellite connection. Note: The red LED may take <b>several minutes</b> to start flashing if S4 power was just applied.
Vehicle alarm sounding over 8-sec does not cause S4 to send SMS	Check if <b>terminal 7</b> goes from 12v to zero when alarm is sounding. If it is, send SMS <b>12345 at*alarm=0</b> (note space after PIN).