



INSTALLATION INSTRUCTIONS

REVISED 6/1/08

1. Select the mounting locations for the Device and Antenna. Do not mount the Device or the Antenna under the hood or expose to outside elements.
2. The Antenna is designed to mount inside the vehicle. The "GPS/GSM" emblem represents the top side of the Antenna, and must face the sky (up). It is strongly recommended that the Antenna be mounted under the vehicle dash in a hidden location with line of sight to the sky through the windshield. Make sure the window does not have any metal film at base of window to block GPS signal. The antenna must not be in contact with anything metallic, or covered by any metallic objects to work properly. Do not crimp or route antenna cables.

Adhesive is located on the underside of the antenna to secure placement. Silicone must be used on top portion of antenna to secure placement. Two-sided stick tape can weaken under prolonged exposure to extreme heat causing antenna to fall and turn upside down causing "Old GPS Data" information.

3. **WIRING CONNECTIONS.** (Make connections, but do not plug into Device)

Basic Installation: 2-wire hookup

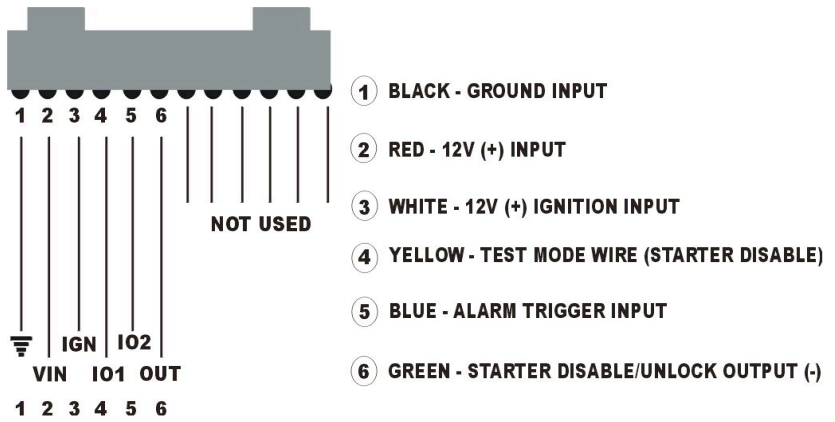
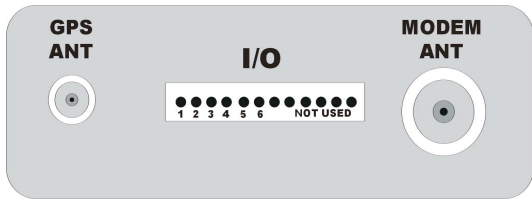
- a. BLACK WIRE- Chassis Ground. Connect to a solid chassis ground.
- b. RED WIRE- 12V+ Constant Input. Connect to a constant 12volt power source.

If using starter disable feature:

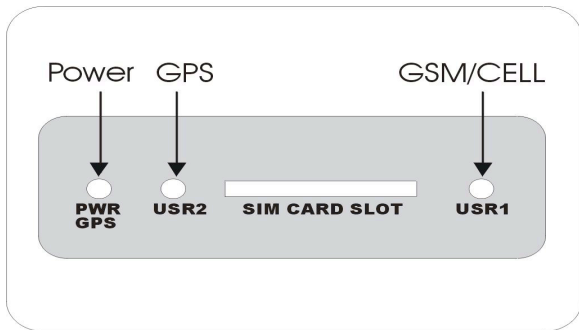
- c. GREEN WIRE- Optional (1 amp negative output)
Starter Disable output wire. Connect to the Green Wire on the supplied SPDT Relay and harness (See relay diagram)

IT IS OUR POLICY NOT TO PROMOTE OR REQUIRE THE USE OF THE STARTER DISABLE FEATURE. IF YOU DO REQUIRE THIS FEATURE, YOU AND YOUR COMPANY ARE SOLELY RESPONSIBLE FOR ITS USE.

- d. WHITE WIRE- 12V+ Ignition (Ignition On/Off messages). Connect this wire to an Ignition Switched 12 volt power source. It must provide "0" volts when ignition switch is turned to the OFF position. If using starter disable, you may connect this wire at the relay (85) as shown in the diagram below.



4. Plug antenna cables into box using corresponding colors on the box and antennas. Do not power the device without the GSM/GPS connector secured to the device. Powering up the Device without the GSM/GPS connector secured may result in product failure.
5. Plug in supplied wire harness to Device.
6. Make sure the vehicle is parked outside and has a clear view of the horizon for GPS to “lock in”.
7. Observe LED status to confirm proper installation and if device is receiving GPS/GSM signals



PWR = this LED will move to a solid RED state as soon as the device receives constant power

USR2 = GPS signal. When the GPS has locked on, this LED will move to a solid RED state. It may take up to ten minutes to lock on, although generally less than five minutes.

USR1 = GSM /Cellular status. This LED should move to a “solid” GREEN state within one minute of the Device being powered up.

8. When LED status is confirmed, installation can be completed.

YOU MUST VERIFY UNIT IS WORKING BY LOGGING INTO YOUR ACCOUNT AND CHECKING STATUS> outstanding alert notification.

LED TROUBLESHOOTING

- a. *Flashing GREEN LED (USR1)* indicates that the Device is not receiving a good cellular signal. Unplug the wire harness, wait 15 seconds, and plug the harness back in. If the LED continues to flash green, try moving the vehicle or moving the antenna to see if the Cellular signal improves.
- b. GPS (USR2) LED will not illuminate-
 - 1) Make sure the top portion is facing the sky and is not obstructed by metal
 - 2) Move the Antenna outside the vehicle to see if the USR2 LED will move to solid state
 - 3) Try a different location in the vehicle

RELAY DIAGRAM

