Troubleshooting

The StreetEagle GPS tracking unit has 2 LEDs on the front of the unit that indicate proper operation:

Orange - Blinks then turns solid when cell signal is acquired.
Green – Blinks then turns solid when GPS signal is acquired.

Both lights should be lit solid during proper operation when the vehicles ignition is on and vehicle is in an area with a clear view of the sky and good cellular coverage.

Problem – LED's not on.
Solution - The unit is not getting constant (battery) power.

Problem – Orange LED is blinking, no cell signal.
Solution - Check for proper installation of the unit.

Problem - Green LED is not on, no GPS signal.
Solution - Verify proper installation of unit; verify that the VTU has a clear view of the sky, with the proper side up facing the sky.

Hardware Specifications

Operating voltage 6-32 VDC
Power Consumption <70 mA (Active Standby)
                    150mA (Transmitting data)
Internal Backup 200mAh Battery
Location Technology 50 Channel GPS
Dimensions 2.1 x 3.6 x 0.77 inches
Weight 3.7oz, (74g)
Operating Temperature -30 to 75 °C
Humidity 95% @ 50 °C non-condensing

StreetEagle GPST1Rv3

Installation Guide

Note to Installer - Please return these instructions to customer for future reference

Installation Support:
866-658-1191
support@streeteagle-gps.com

Please Verify Your Installation at:
www.streeteagle-gps.com/install

Precautions

12v DC Power only.
The Vehicle Tracking Unit (VTU) is designed for negative ground 12V DC systems only. Do not use the VTU with any other power systems.

Do not disassemble or modify the VTU.
This could cause electric shock, personal injury or fire. Do not connect power from a different system to the VTU. When in doubt of a safe installation, please contact your local installer for a professional installation.

Do not install VTU in a location that could possibly interfere with airbag operation.
This could cause a risk of accidents and injury.

Use only specified fuse.
When replacing the fuse, please ensure the Amp rating is the same as the previous fuse.

Cautions
Do not let wires get punctured by screws or caught in moving parts.

Turn car ignition off before making connections.

Connect the Red and White power input leads after all other connections have been made.

Use a common ground point for all ground wires.

Tape and insulate any loose unconnected wires.

Note on power wire (Red)
When connecting VTU in combination with other electric devices, be sure the vehicle's circuit amp rating is higher than the sum of each component's fuse.

3. Once the IMEI number has been entered you will be brought to the vehicle status and testing screen.

The vehicle status screen will allow you to test proper installation and function of you Vehicle tracking unit though the following options.

Current GPS Status – The most recent report from the tracking unit
Location Address – shows an approximate address of the vehicle's current GPS location.
Refresh Status – Refresh the screen to show the most recent location report.
Show On Map – displays the most recent location report on a simple map view.
Ping – Requests for the tracking unit to send its current location and status.
Unlock Door – Unlocks door if optional door unlock circuit has been installed.
Lock Door– Locks door if optional door lock circuit has been installed.
Disable Ignition- Disables Starter if optional starter disable equipment is installed.
Enable Ignition – Enables Starter if optional starter disable equipment is installed.

How To Verify Correct Installation

1. Log on to **www.streeteagle-gps.com/install**. This website will allow you to test the installation of the Vehicle Tracking Unit.

2. Enter the 15-digit IMEI number from the StreetEagle VTU in the space provided. The IMEI number can also be found on the Customer Activation Guide.

This installation guide provides detailed instructions for installing the StreetEagle Vehicle Tracking Unit (VTU). These instructions must be followed precisely to insure correct operation of the GPS Tracking unit and to ensure warranty coverage of the equipment. Please call StreetEagle Support at (866)658-1191 if you require assistance.

GPS Tracking Kit Equipment
- StreetEagle VTU w/ Built-In Wiring harness
- Installation Instructions and Activation Guide

Required Tools and Supplies
- Crimpers and the appropriate connectors
- Fuse taps
- Drill with screwdriver and bit attachments
- Cable ties or self-adhesive tie mounts

Installation Procedures

1. **Record the IMEI number -** This 15-digit number is located on the bottom of the tracking unit and also found on the activation guide. You will need this for testing.

2. **Find a suitable location and mount the VTU** – The VTU should be mounted in the dash, unobstructed by metal and with a direct line of sight to the sky. **Please ensure that the VTU's GPS Side is facing the sky. This is marked by a sticker on the VTU, showing which side is up towards the sky.** Note: The VTU is NOT waterproof and should be protected from the weather.
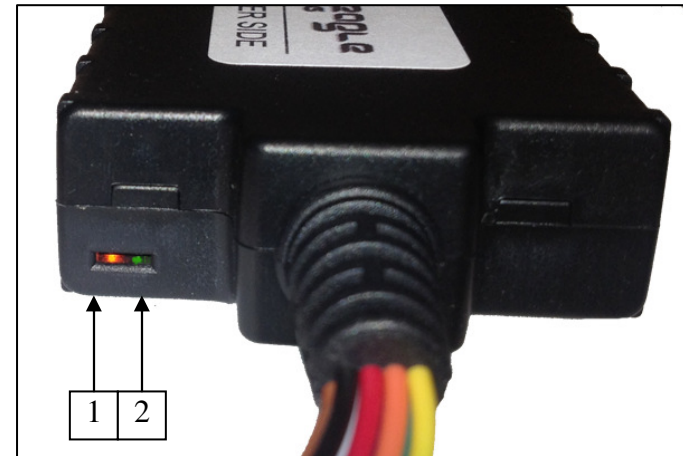
3. Connect the Wires to the Vehicle -

Connect the wires according to the following table:

Black	Ground
White	Ignition (Accessory) → 12v is supplied only when ignition is on
Red	Battery → 12v is supplied constantly, regardless of ignition state
Blue	Optional Alarm Monitor*
Green	Optional Starter Kill*
Yellow	Optional Door Unlock*
Orange	Optional Driver Security Alert*
Brown	Optional Door Lock*

* See Wiring Diagram for details

4. Optional Connections - Connect BLUE input
for notification of vehicle alarm activation. Connect
YELLOW output connection for remote door unlock.
Connect the GREEN output connection for starter
disable. Connect the ORANGE input for Driver security
alert. Connect the BROWN output for door lock. Note
that the input/output signals are active ground. Relays
may be required for correct operation. See Wiring
Diagram for more details.

5. Check Unit Operation

1-ORANGE - Turns solid once the unit acquires a
cellular signal. If this light is continuously blinking
(searching for service) check for proper installation of the
VTU and be sure the data account is active.

2-GREEN - Turns solid once the unit acquires a GPS
signal. If this light is continuously blinking (searching for
satellites) verify proper VTU mounting and that the "GPS
OTHER SIDE" is not facing the sky.

After all of the lights are solid turn the vehicle off, then
turn it back on and verify the installation.

Note: When the VTU is installed, it can take up to 60
minutes for the GPS to acquire its position after initial
power-up. Subsequent position acquisition will be less
than 30 seconds of the vehicle start-up.