

StreetEagle GPSminiV1 Installation Guide

Precautions

12/24V DC Power only.

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.

Use only specified fuse.

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

Cautions

- Avoid puncturing wires with screws or other moving parts.
- Make **sure car ignition is off** during installation.
- 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.

Required Tools and Supplies

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

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

Installation Procedures

1. Record the ESN or IMEI number

This number is located on the bottom of the tracking unit and also found on the activation guide. You will need this for testing.

2. 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. The GPS side has the VTU barcodes displayed, so face this side to the sky.

Note: The VTU is NOT waterproof and should be protected from the elements.

3. Connect the Wires to the Vehicle

Wire Color	Input/ Output
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*
Blue/White	Optional Door Unlock or Lock*

*Optional Connections

Note that the input/output signals are active ground. Relays may be required for correct operation. See Wiring Diagram for more details.

4. Check Unit Operation

GREEN (GPS SIGNAL)

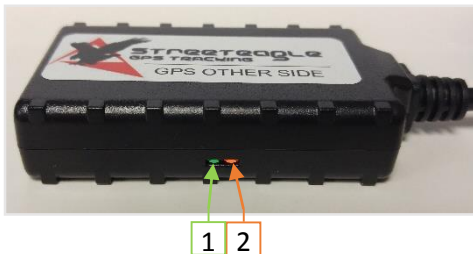
Turns solid once the unit acquires a GPS location fix. If this light is continuously blinking (searching for satellites), verify proper VTU mounting and check to make sure the GPS side is facing the sky.

ORANGE (CELLULAR SIGNAL)

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

Once both lights are solid, turn the vehicle's ignition on for at least 5 minutes.

Note: When the VTU is first installed, it can take up to 10 minutes for the GPS to acquire its position. Subsequent GPS acquisitions will typically take less than 30 seconds.



Verify Installation

1. Go to:

www.streeteagle-gps.com/install



2. Enter the VTU's ESN or IMEI#:

This number can be found on the Customer Activation Guide and on the VTU itself.

3. Check the following:

Vehicle Status

Ignition ON, vehicle status should be either "Started, Stopped, or In Transit"

Ignition OFF, vehicle status should be "Parked"

Location

Click the "Show on Map" button to see if the mapped location matches the actual vehicle location. The location address can also be used, but it can be latent in resolving the latest GPS fix to an address.

You can also **PING** the GPS to request a current GPS update. If ping is successful, use the "Show on Map" button to validate the location of the GPS.

Optional Remote Output

If remote output controls were installed on the vehicle, use the buttons at the bottom to test these functions



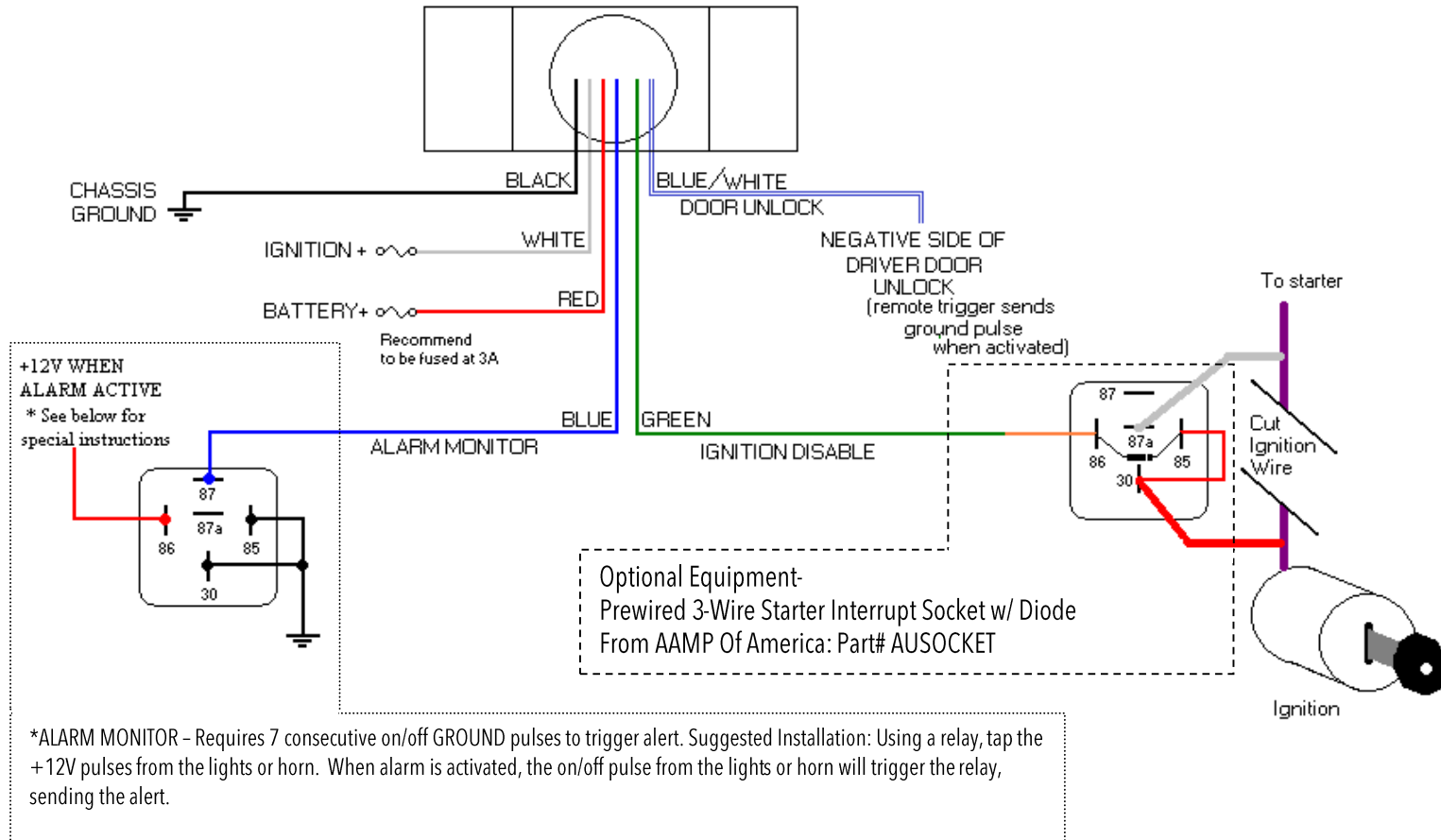
4. If you have an issue, troubleshoot:

Problem	Solution
LED's not On	Check constant power. (red wire) Or ground plane (black wire)
Orange LED is Blinking, no Cell Signal	Check Proper installation of unit
Green LED is not on, No GPS Signal	Verify proper installation of the unit. Verify the unit has a clear view to the sky, with the proper side facing up.

StreetEagle GPSminiV1 Wiring Diagram

ALWAYS TEST BEFORE YOU DELIVER TO THE CUSTOMER

www.streeteagle-gps.com/install



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

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