

Installing your VP500 Tracking Unit

1 Getting Started

Asset tracking unit with external GPS/cellular antenna and wiring harness. Also includes; Zip ties, and Connectors.

If you prefer to have the GPS tracker installed professionally, contact your local mobile electronics dealer or your reseller for details.

Tools required to perform the installation:

- ◆ Screwdrivers
- ◆ Wire strippers and cutters
- ◆ Crimping tool
- ◆ Voltmeter

	Wiring Description
RED	+12 VDC Constant Power
BLACK	Chassis Ground
WHITE	Ignition Sense (biased low)
PURPLE	Door Unlock Trigger (Neg. Pulse)
GREEN	Starter Disable Relay Trigger
YELLOW	Input 1 (biased low)
BLUE	Input 2 (biased high)
GREY	Input 3 (biased high)
BROWN	Input 4 (biased high)

2 Locate a continuous power source on the vehicle

The tracker requires a constant +12 VDC power source to operate. The device will operate with only the power and ground connected, but the ignition sense wire and the optional starter disable relay can also be connected. If the ignition sense wire is connected with a 12 VDC system, you will be able to get tracking information for ignition ON and OFF events.

3 Connect the RED and BLACK wires

Connect the RED and BLACK wires on the attached wiring harness to continuous power and ground on the vehicle.

- ◆ The RED wire on the tracker wiring harness is connected to a continuous +12 VDC source
- ◆ The BLACK wire on the tracker wiring harness is connected to vehicle chassis GROUND

4 Install the ignition sense wire (REQUIRED)

Locate the vehicle's ignition wire by consulting the appropriate wiring diagrams and connect the ignition sense wire (WHITE) to the vehicle's ignition line using the provided connectors.

The vehicle ignition wire can be verified by measuring for the vehicle's operating voltage while the key is turned to an 'ON' or 'START' position. The vehicle's ignition wire should read 0 VDC when the key is left in the 'OFF' position, and typically between 11V and 14V when in the "ON" position.

5 Install the GPS/Cellular antennas

Attach the GPS/cellular antenna to the device. Finger tighten the connectors only; do not over tighten the connector, as damage to the tracker can occur. Two of the most common mistakes made during installation are connecting the antenna to the wrong connectors and over tightening the connectors, which causes them to break internally.

6 Secure the tracker and the extra wiring to the vehicle

Find a discreet location for the placement of the tracker.

7 Verify the installation

Allow 5-10 minutes for the tracker to power up and obtain its first GPS fix. There are 2 LEDs on the back of the unit, solid yellow and solid amber indicate a good GPS fix.