

# Installing your DL290 Tracking Unit

## 1 Getting Started

Package includes GPS tracking unit with external GPS/cellular antenna and wiring harness.

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
<b>RED</b>	<b>+12 VDC Constant Power</b>
<b>BLACK</b>	<b>Chassis Ground</b>
<b>WHITE</b>	<b>Ignition Sense</b>
<b>YELLOW</b>	<b>PTO Input</b>
<b>BLUE</b>	<b>Ignore/Not Used</b>

## 2 Locate a continuous power source on the vehicle

The tracker requires a constant +12 VDC power source to operate. The device requires power, ignition and ground to be connected.

## 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 vehicle is running. The vehicle's ignition wire should read 0 VDC when the key is left in the 'OFF' position or when the key is in the accessory position. When the vehicle is running, the ignition wire is typically between 11V and 14V.

**NOTE: The ignition sense wire must be installed in order for the tracking device to track.**

## 5 Place Tracking Unit/ANTENNA

Find a discreet location for the placement of the tracker, typically under the vehicle dash. The antenna should be installed so that it has a clear view to the sky. Recommended placement is at the corner of the vehicles' windshield or higher up under the dash.

## 6 Secure the tracker and the extra wiring to the vehicle

Once the tracking unit has been placed in a discreet location, secure the tracking unit with zip ties.

## 7 Verify the installation

Allow 5-10 minutes for the tracker to power up and obtain its first GPS fix. There are 3 LEDs on the back of the unit. The figure below explains the LED's.

Cellular – solid, cell good; blinking, no cellular  
Power – solid, good; off, no power  
GPS – solid, good; off, no GPS

