

# Hardware Installation Guide

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# Welcome

Experience 4G LTE Evo, the next evolution in GPS tracking. Advantage by Procon Analytics - where automotive telematics meets genuine analytics.

## Installation Made Easy

Tools needed for install: screwdrivers, wire strippers and cutters, crimping tool and voltmeter. Plus, you might want to have the following handy: connectors, velcro, and zip ties.

- Make sure there is not metal above the device as it may interfere with the signal.
- Keep it from direct exposure to the sun, heat, rain, moisture, etc., and away from heater vents or hot engine compartments.
- Do not tightly kink or wrap excess cable.

## Mounting Evo

[ILLUSTRATIONS 1 & 2]

- Install the Evo device in a concealed location under the dash.
- Hold it in place.
- Mark the location for the velcro.
- Attached velcro to the back of the device and the other to the dash.

Install Device  
Label Side  
**FACING DOWN!**



# Evo Wiring

## [POWER/SERIAL CABLE DIAGRAM]

We've included a detachable wiring harness. Connect everything before plugging harness into the Evo device.

### ● Black Wire:

*Ground - Connect the ground wire to the vehicle chassis (should always be first connection made.)*

### ● Red Wire:

*12 VDC Constant Power – Connect to a constant power source. Voltage should read 12V when the vehicle's ignition line is in the off position.*

### ● White Wire:

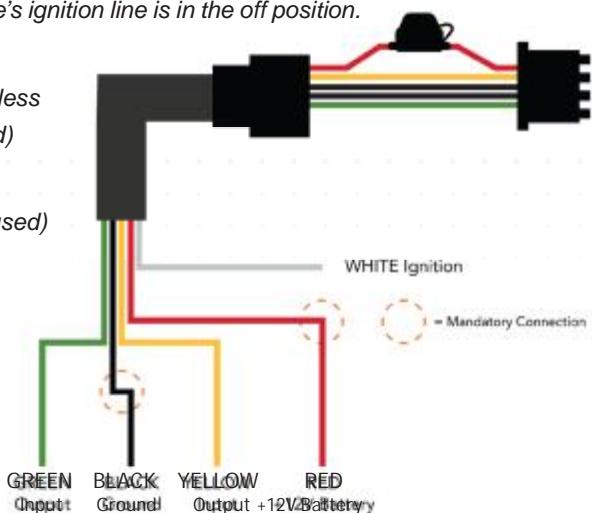
*Ignition input (optional unless payment reminder is used)*

### ● Green Wire:

*Programming Input (not used)*

### ● Yellow Wire:

*Output (Connects to starter interruptor relay)*



Once the wires are attached and Evo is mounted, plug the harness into it and power up.

The LED indicators will show:

- A solid green light indicates a good cellular coverage.

 *Note: If the light does not lock on and go solid, you're not getting a good signal. Unit will not track properly.*

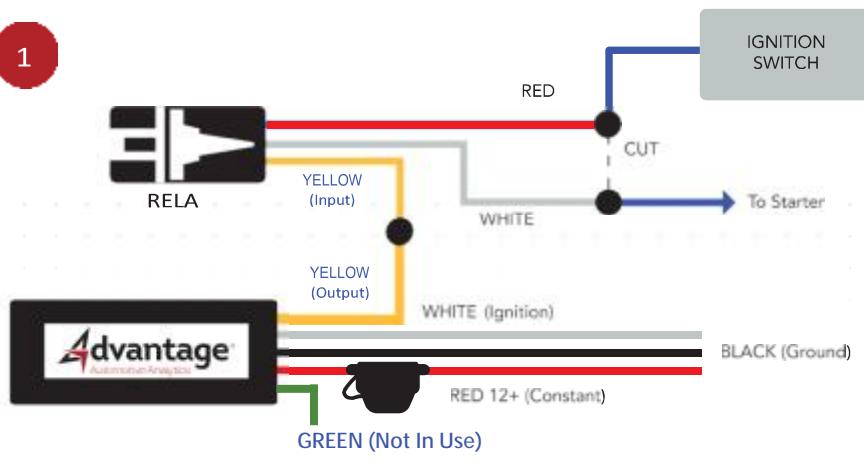
- A solid red light indicates good GPS signal.

# ECM Starter Disable

[DIAGRAM 1]

If the starter is controlled by the ECM (Engine Control Module), splice the wire that leads directly from the ECM to the starter.

 *Note: Do not splice into the wire leading from ignition switch to the ECM.*



RELAY WIRE COLOR GUIDE	
	RED = Ignition
	WHITE = Starter
	YELLOW = Input

*Note: Yellow wire connects to Yellow relay wire.*

 *Note: Ground should always be the first connection made*



# Starter Interrupter

[OPTIONAL FEATURE – DIAGRAM 1]

- Locate and cut the starter wire of the vehicle. This wire will only display 12VDC while the vehicle is starting.
- *Connect yellow wire from the harness to the yellow wire of the starter interrupt relay.*
- Connect red wire from the starter interrupt relay to the ignition switch side of the starter wire.
- Connect white wire of the starter interrupt relay to the starter side of the starter wire.

# Payment Reminder

[OPTIONAL FEATURE]

- Locate a switch ignition power wire that reads 12V when the vehicle's ignition is in the ON position and 0 Volts when the vehicle ignition is in the OFF position. The ignition wire retains 12V as the vehicle is starting.
- Connect the white wire from harness to the vehicles ignition wire.
- If the white wire is not connected, the payment reminder feature will activate upon the change of vehicle voltage, instead of when the vehicle starts.

*Note: If the white wire is not connected properly, the payment reminder option will not function as designed.*

# LED Troubleshooting

## [TECHNICAL DATA]

### Technical Data

Operating Voltage	7V - 28V
Power Consumption	2.5 mA (standby), 50 mA (active)
Operating Temperature	-30°C to +75°C
Storage Temperature	-40°C to +85°C
Operation Humidity	20% to 90% (non-condensing)

Solid Green = Cellular Signal is OK

Flashing Green = Searching

Solid Red = GPS Signal is OK Flashing

Flashing Red = Searching

*Note: The following LED behavior is indicative of an over-the-air update:*

- Solid Red (15 secs.)
- Green and Red flashing simultaneously (about 60 secs.).

*Installation may continue while device receives updates, however, always confirm both LEDs are solid before finalizing.*

**FCC Statement:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**IC warning statements:**

- English: This device complies with Industry Canada license - exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device. The digital apparatus complies with Canadian CAN ICES - 3 (B)/NMB - 3(B).
- French: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

- This device may not cause interference; and
- This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- l'appareil ne doit pas produire de brouillage;
- l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé. Cet équipement doit être installé et utilisé à distance minimum de 20cm entre le radiateur et votre corps.

If you have questions or would like to have our team of experts help you with your install, please:

**1-800-553-7031**

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