

'Plug-in' Real Time GPS Installation Instructions





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1. Introduction

This installation manual covers the installation of the Alltrack USA 'Plug-in Real Time with History' GPS Tracking Unit. It can be used on 12 volt DC vehicles that have an OBD II port (all 1996 and newer vehicles have this port).

GPS and Cellular antennas are built into the device.

This device is connected directly to the vehicle's 12-volt DC system via the OBD II port.

It operates 24 hours a day and must be kept energized to log vehicle events and send travel data.

OBD II Port

All vehicles made since 1996 have this port, which looks like this from the front:



The port is probably black but may be a different color.

Here's a side view of an OBD II port:





- The OBD II port may or may not be easily visible from view, but it's there.
- It may located be behind a plastic cover.
- Or it may be behind the lower edge of the dash where it can be felt by hand or with a mirror.

If device protrudes too much from dashboard into knee area

Once in awhile, a vehicle's OBD II port may be in a location where plugging in the device will cause it to protrude too much into the knee area. You certainly don't want it to be in the way of your knees while driving.

To overcome this, a small cable can be used to relocate the device to a better area below the dashboard. One end plugs into the device and the other end plugs into the vehicle's OBD II port and is very flat and stubby.



We offer these cables for \$7.49 + shipping. They're also available at amazon.com – search there for this: "Flat Low Profile Male to Female OBD II 2 Extension Cable".

Backup Battery

The device has a built-in backup battery, which is 230 mAh rechargeable Lithium-ion.

NOTE: This battery is NOT to be removed or replaced by the user.

The primary function of the backup battery is to provide enough power to allow notification to a user when there is a loss of power to the device. Power loss can indicate device tampering or battery disconnection or removal.

2. Precautions before installing the device

As you prepare to install the device, be sure to heed the following precautions and guidelines:

- The device is NOT waterproof or sealed. Keep it away from water and any other liquids. It should NEVER be mounted in the engine compartment nor outside of the vehicle.
- Prior to installing the device, the vehicle's ignition is turned Off.
- It's recommended that you install in the vehicle's built-in OBD II port. If you use some kind of wiring to relocate where the device plugs into another auxiliary OBD II port, take these precautions:

DO NOT place objects, including communication equipment like this, in the area over the airbag or in the air bag deployment area. If the communications equipment is improperly installed and the airbag inflates, this could cause serious injury.
 DO NOT run cables under the area reserved for the driver's feet.

3. Installing the Device

- Have the vehicle's ignition turned Off.
- Locate the OBDII socket in the vehicle. All vehicles made since 1996 have this port installed. It should be below the driver's side dashboard in the knee area. It's probably black but may be a different color.
 - The location will vary between different vehicle manufacturers, models, and production years.
 - If it isn't visible, it may be either behind a plastic cover or be behind the base of the dashboard.
 - If you can't find it, look in the vehicle's owner's manual for its location.
- Note the orientation of the vehicle's port and of the device. It plugs in just 1 way. This is what the port looks like on the vehicle:



- Carefully insert the device into the OBDII socket. It'll plug in about 1/2" until it won't push in any more.
- <u>Wait several minutes for the device to initially power up</u> and acquire initial GPS coordinates. Then it's ready to use. The GPS lock and the cellular connection LEDs will illuminate or flash to indicate the device is working properly.

4. Powering the Device & Confirming Proper Operation

The device includes LEDs to indicate Power, GPS, and Registration status. The following image shows the location of each LED.

Approximately 3 hours after the ignition is turned Off, the device goes into a Low-Power Sleep mode. The device will awaken when the vehicle is started.



The LEDs are described in this table:

Red = OBD	The OBD LED flashes at a fast rate when it's connected to the OBD port for power.
Yellow = GPS	 The GPS LED flashes at a fast rate when the unit is acquiring a satellite fix. Once a fix is acquired, the LED flashes at a slow rate.
Green	Not Used
Blue	Not Used

5. Testing

<u>Wait several minutes for the device to initially power up</u> and acquire initial GPS coordinates before this testing is done.

Then, congratulations, you have just installed the Internet based vehicle GPS telematics system. Now on to testing:

- Start the vehicle and let it idle for at least 1 minute. Then turn it off.
- Go to a computer and access the Internet using your standard Internet browser.
- Go to the web page *track.alltrackusa.com*
- Enter customer login and password. Then click login.
- You will now see the tracking map. The vehicle should be where the map shows it to be.



• On the left is a row listing the vehicle. The column 'Last' shows when the vehicle last called in, which should have been when you just turned On and Off the Ignition. So this should say something like '1m' for 1 minute or so. Or '0m' for 0 minutes.

If it says a high amount like 60 minutes, check that the device is pushed in all the way and that the LEDs on the device are coming on.



To test the Backup Battery:

- Temporarily pull the device out of the OBD II port.
- After a minute or so, in the upper right corner, a popup should appear saying that the Primary Power has been lost and device is operating on backup battery power now.
- Plug the device back into the OBD II port.
- After a minute or so, in the upper right corner, a popup should appear saying that the Primary Power has been Re-applied.
- At the popup, click 'Accept'.

That's it for testing !!