



EZ-160PNP



FLEET

TARGET MARKETS

This product will support most general business needs except those requiring PTO (Power Take Off) monitoring or any of the services requiring the need of a wiring harness.

DEVICE DESCRIPTION

The **EZ-160PNP** is our plug-and-play fleet tracking device that requires virtually no installation it simply plugs into the vehicle's OBDII port in seconds. If you can plug in a lamp you can install this device. The device is compatible with most cars and trucks manufactured after 1996, and it is built with the quality components needed to meet the high reliability and the large amounts of data required for continuous fleet tracking.

KEY FEATURES/BENEFITS

- Reports once per minute (plus turns) when vehicle is on and once per hour when off.
- Internal cellular and GPS satellite antennas reduce installation time and support a covert installation.
- Internal battery back-up allows us to report even if the device power is compromised, tampered with or disconnected from the OBDII port (lasts approximately 45 minutes).
- Capable of storing and forwarding all satellite tracking data (once the device recognizes cellular connectivity) up to 20,000 data points, which is critical if and when any vehicle travels beyond a cellular network.
- Includes "smart power management," which allows the device to recognize when a vehicle is turned off, triggering the device's "sleep mode" and significantly reducing the possibility of the device causing any vehicle battery issues.
- Utilizes the 3G CDMA Verizon cellular network to transmit all of the vehicle generated data (an unlimited Verizon cellular data plan is included with your service)



EZ-160PNP

DEVICE SOFTWARE HIGHLIGHTS

- Web based; providing access to your fleet information limited only by your access to the internet.
- Fleet tracking is set at 60 seconds plus turns.
- Supports "closest vehicle" worker dispatch functionality providing accurate ETAs and reduce wasted time between jobs and improve customer relations.
- Provides real-time location, speed, heading, stopping and mileage data.
- Track maintenance schedules based upon real time mileage data.
- Provides hard braking and hard acceleration information to help get rid of unsafe driving behavior.
- Monitor idling to reduce fuel and unnecessary wear on your vehicle.
- Provides exact arrival and departure data relative to any task, which will increase billing accuracy and reduce billing write-offs and disputes.
- Provides the ability to create customized zones (landmarks) and receive data relative to the entering, exiting and time spent within each customized zone.
- Mapping with Google Street View and Google Earth integration.
- Unlimited users (no additional software license fees or charges).
- Custom Map Icons (including the ability to input actual photos of each of your vehicles).
- Provides 1 year of historical tracking data and reporting with 3 years of historical data archived, for future reference if and when needed.

FLEET

OUR FOREVER GUARANTEE

We stand behind our equipment and software solution with our satisfaction guarantees

Lifetime Device Warranty – If at any time during the course of normal use your device stops working (excluding physical or water damage) we will provide a replacement device at no charge.

30-Day Money-Back – If at any time within 30 days after a device begins tracking you are not completely satisfied with your purchase or our software solution for any reason, we will give you a refund on the original purchase price of your device. (Not applicable with 3 year bundled plans.)



TROUBLESHOOTING THE EZ-160PNP

This is brief description on the best troubleshooting practices related specifically to the EZ-160PNP device. With the information provided here, you will be able to identify possible hardware problems prior to requesting a replacement device.

When a plug and play device is first plugged into a vehicle, watch the LEDs on the device.

- If the device is activated and provisioned correctly, the ORANGE LED should become solid in about ONE minute.
- It is normal for the GREEN LED to flash rapidly for several minutes as the device tries to obtain a GPS fix. When the device is in this state, it will transmit data to our servers but not have a GPS fix.
- If a device is plugged in and the ORANGE LED does not turn SOLID after a couple minutes, the customer will need to drive the vehicle to an area of known good Verizon Wireless coverage and check the ORANGE LED status again.
 - **If ORANGE LED does not turn solid after this, replace device.**
- If you plug a device into a vehicle and NO LEDs illuminate, there are only two possible outcomes. If this occurs, plug a different device (preferable a known good unit) into the vehicle and look for LEDs to illuminate.
- If a known good device does not illuminate when plugged into a vehicle, the problem lies with the vehicle. The device draws power from PIN 16 of the OBDII port. Customers can typically verify power at the OBDII port by checking ALL cigarette adapters and auxiliary power ports in the vehicle. MOST cars and trucks have a shared fused for OBDII power and auxiliary/ cigarette adapter power. If there is no power to any power adapters in the vehicle cabin, the fuse is likely blown.
- If a known good device DOES illuminate when plugged in, you can safely assume that there is a problem with the original device and **replace the device.**
- If a harness is used in the vehicle to connect the device to the OBDII port, verify device power first by plugging the device directly into the OBDII port and/or replace the original OBDII harness prior to verifying the device as described above.
- A device that is already installed enters sleep mode when ignition is off. **When the device is in sleep mode, the LEDs are not illuminated.**

If a device is not updating on the mapping application after installation.

- Ensure that the device LEDs are NORMAL. (See above)
- the customer must take the vehicle for a drive of AT LEAST 10 minutes before further action can be taken. This will allow the device to possibly obtain a GPS fix and will allow the device to generate events to transmit to our server to update the map.
- If the device has SOLID ORANGE LED and flashing green, instruct the customer to drive the vehicle. If the device enters trip mode with no GPS fix, the device will attempt to utilize Assisted GPS to obtain a location fix.
- If the LEDs are NORMAL and the mapping application does not update when the vehicle is driven, **replace the device.**

In all instances except for a NO LED condition, the vehicle should be driven for at least 10 minutes in an area of known good Verizon coverage to allow the device to generate events, and as much as possible, known good units should be used to verify against suspected faulty devices. It is strongly recommended that resellers have inventory on hand to assist with the troubleshooting.