Wheels eLog

WH2ELS Hardware Manual

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Overview

WH2ELS is an Electronic Logging Device (ELD) used with the Wheels eLog mobile application. This device is manufactured by PacificTrack and is also known as PT30. The device must be installed in the vehicle and connected to the diagnostic port interface (J1939).

Installation

1. **DO NOT** pair Bluetooth in your phone/tablet settings. The connection will be established in the Wheels eLog application. However, if your phone/tablet prompts you or asks you for permission to turn on Bluetooth, you need to do that since Bluetooth is needed for the device to communicate with the app.
2. Plug the device into the vehicle port BEFORE turning on the vehicle and BEFORE running the Wheels eLog application.
3. You should see a slow-flashing green LED indicating the device is powered. You should also see a flashing red LED indicating that the internal GPS is in acquisition mode. A solid red LED indicates the signal is locked, but you can proceed to the next step without waiting for the GPS lock.
4. Turn on the vehicle engine.
5. You should see a fast flashing green LED indicating vehicle bus activity has been detected.
6. After the green LED becomes solid, the device is registered on the vehicle bus, and you can run the Wheels eLog app and connect it to the truck.
7. From then on, the device will retain the information it needs, such as VIN, to communicate with the app via Bluetooth Low Energy. Note that for power management reasons, sometimes the LEDs will not stay on.
8. For software setup, please follow the Wheels eLog User Manual.

LED

Red

The following table summarizes the functionality of the Red LED.

LED State	Meaning
Off	GPS power management engaged. GPS is turned off, and the GPS backup clock is on.
Blinking	GPS is in acquisition mode.
On	GPS signal is locked.

Green

The following table summarizes the functionality of the Green LED.

LED State	Meaning
Off	The device is not plugged in
Short Blinking	The device is powered, and the vehicle bus is not detected.
Fast Blanking	Bus activity detected device is registering.
On	The device is registered on the vehicle bus.

Bluetooth

The WH2ELS communicates with the mobile device using Bluetooth Low Energy (BLE). Do not try to pair with the WH2ELS directly from your mobile device's settings. The link between the WH2ELS and the mobile device must only be established using the Wheels eLog app (see the Wheels eLog User Manual for more details).