



Zenith ELd

ZEN1TH Hardware Manual

phone: [+1 \(737\) 277 99 93](tel:+17372779993)

email: zenitheld@gmail.com



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Overview

ZEN1TH is an Electronic Logging Device (ELD) designed to work with the Zenith ELD mobile application. This device is manufactured by PacificTrack and is also referred to as the PT30. It must be installed in the vehicle and connected to the diagnostic port interface (J1939).

Installation

1. **Do not** pair Bluetooth in your phone or tablet settings.

The connection will be established within the Zenith ELD application. If your phone or tablet prompts you or asks for permission to turn on Bluetooth, you will need to accept, as Bluetooth is necessary for the device to communicate with the app.

2. Plug the device into the vehicle port before turning on the vehicle and before launching the Zenith ELD application.

3. After plugging in the device, you should see a slow-flashing green LED, indicating that the device is powered. You will also see a flashing red LED, which shows that the internal GPS is acquiring a signal. A solid red LED indicates that the GPS signal is locked; however, you can proceed to the next step without waiting for the GPS to lock.

4. Turn on the vehicle engine.

5. You should now see a fast-flashing green LED, indicating that vehicle bus activity has been detected.

6. Once the green LED becomes solid, the device is registered on the vehicle bus, and you can open the Zenith ELD app and connect it to the truck.

7. From this point on, the device will retain the information it needs, such as the VIN, to communicate with the app via Bluetooth Low Energy. Please note that for power management reasons, the LEDs may not stay illuminated at all times.

8. For software setup, please refer to the Zenith ELD 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	The 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 ZEN1TH communicates with your mobile device using Bluetooth Low Energy (BLE). Please do not attempt to pair the ZEN1TH directly through your mobile device's settings. Instead, the connection between the ZEN1TH and your mobile device must be established exclusively through the Zenith ELD app. For more information, refer to the Zenith ELD User Manual.