SWIFT ELD

SWE001 Hardware Manual

Overview

SWE001 is an Electronic Logging Device (ELD) used in conjunction with the Swift ELD mobile application. This device is manufactured by PacificTrack and 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 Swift ELD app. 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 Swift ELD app.
3. You should see a slow flashing green LED, indicating that 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 that the signal is locked, but you can proceed to the next step without waiting for a GPS lock.
4. Turn on the vehicle engine.
5. You should see a fast flashing green LED, indicating that 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 Swift ELD app and connect to the truck.
7. From this point on, the device will have and 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 Swift 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, 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 Blink	The device is powered, vehicle bus not detected.
Fast Blink	Bus activity detected, the device is registering.
On	The device is registered on the vehicle bus.

Bluetooth

The SWE001 uses Bluetooth Low Energy (BLE) to communicate with the mobile device. Do not try and pair with the SWE001 directly from your mobile device settings. The link between the SWE001 and the mobile device has to be established only using the Swift ELD app (see the Swift ELD User Manual for more details).