

TRACKPORT PRO MAX USER GUIDE



BRICKHOUSE
GPS ➡

Quick Install Guide

Important: If you did not purchase your device directly from BrickHouse Security or BrickHouse GPS, please visit brickhousesecurity.com/activate or contact **(800) 654-7966 (Marketplace/Amazon)** first to set up your account.

1 Plug in the TrackPort

For Heavy-Duty Trucks

Locate the vehicle-specific diagnostic port of your truck: 9-pin J1939, 9-pin J1939 “square” style, 6-pin J1708 or the 14-pin RP1226, typically found under the dashboard.

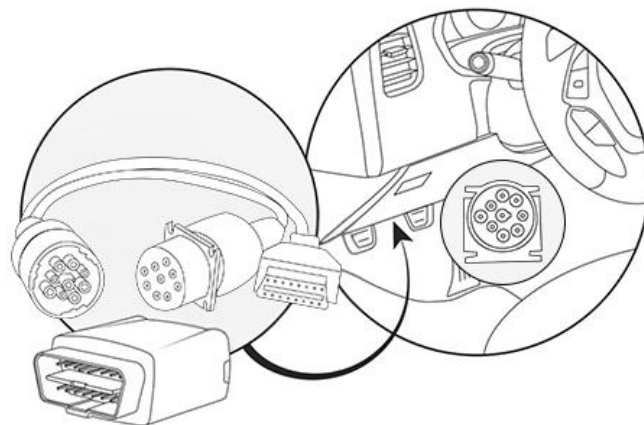
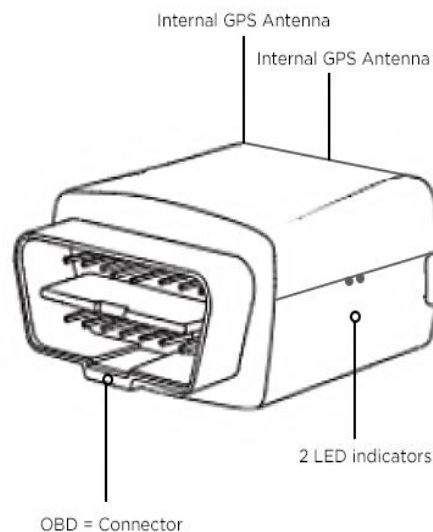
Connect your Y-Harness to the diagnostics port, and plug the GPS tracker into the OBD-II (16-pin) port of the harness. Press firmly until secure.

For Light-Duty Vehicles

Locate the OBD-II port, usually found under the dashboard on the driver’s side of the vehicle.

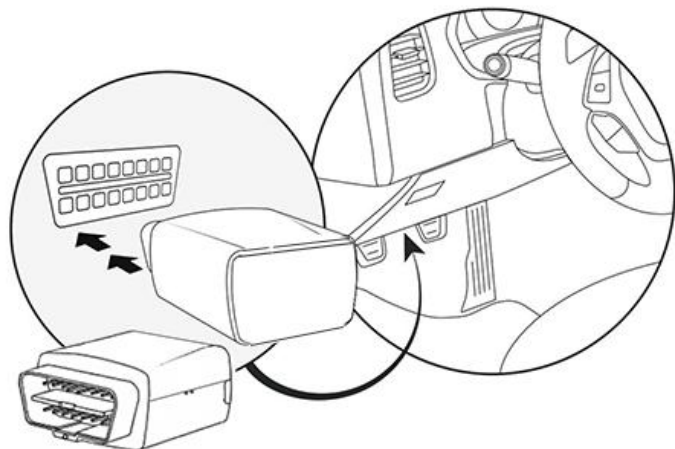
Plug the TrackPort into the port firmly until it clicks into place.

If you’re having trouble locating the OBD-II port, consult your vehicle’s owner’s manual.



2 Verify Tracker Placement

Ensure the tracker is securely connected—whether via harness or directly to the vehicle’s diagnostics port—and placed securely where it’s unobstructed for a reliable GPS signal and performance. If using a Y-Harness, mount the tracker using velcro and/or zip ties with its label up on a stable surface to ensure stability while driving.



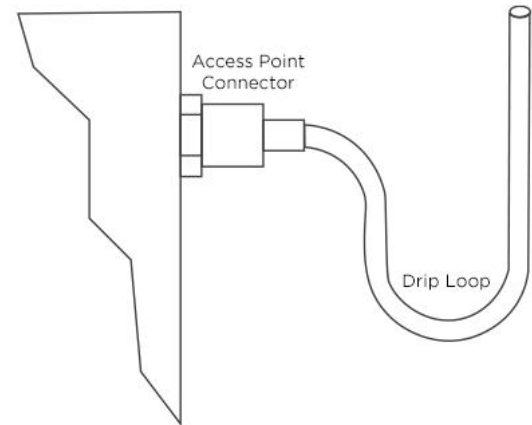
3 Test Start

Start the vehicle ignition, wait 1-3 minutes, and verify that the GREEN LED is blinking, indicating normal operation. It is also recommended to take your vehicle on a short test drive to confirm the device is powered and accurately capturing location data.

Tracker LED Status

Once connected and powered, the device's LEDs will blink green—indicating it is functioning properly and ready for use.

Important: The harness wires in heavy-duty vehicles are located directly underneath the circulation vents of the vehicle's AC unit. The placement could condense moisture into water. To prevent electrical risk, we recommend using a drip loop solution to protect the device, as shown below:



LED Status	Meaning	What to Do
No LED	No power to device	Check connection, harness, and vehicle power.
Green LED – Slow Blink	Normal operation	No action needed.
Green LED – Fast Blink	Ignition on, device charging	No action needed.
Red LED – 1 Blink	Bluetooth error	Reposition device, reduce interference; move phone closer.
Red LED – 2 Blinks	Cellular error	Ensure sky view, reduce interference; check SIM plan.
Red LED – 3 Blinks	GPS error	Ensure sky view; reduce interference.
Red LED – 5 Blinks	Modem error	Unplug for 24 hrs; reconnect and check again. If it didn't work, please contact support.
Solid Red on Install	No external power (battery low)	Plug into power; turn on ignition to charge.

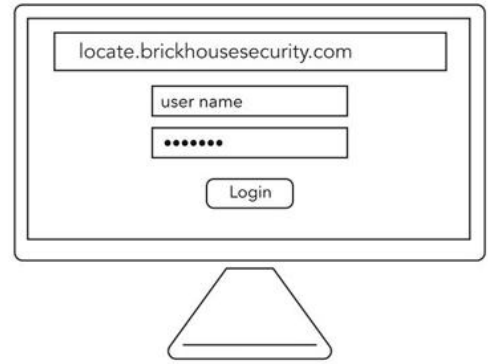
(Optional) View Tracking in Platform

1 Log In

For Brickhouse Security customers:
On a computer: Go to
locate.brickhousesecurity.com

For BrickHouse GPS customers:
On a computer: Go to
locate.brickhousegps.com

For all customers on a mobile device:
Download and open the BrickHouse Locate GPS App



2 View Tracking

After logging in, view your **Test Drive Tracking Report**.
You're now ready to begin live tracking your vehicle.

3 Customize Your Settings

Maximize your tracking experience by setting up **Geofences, Speed Alerts, Trip History**, and more in your account dashboard.



Support Questions?

If you have any questions or concerns, you can contact us directly at:



support@brickhousesecurity.com

Call: **(800) 654-7966**



support@brickhousegps.com

Call: **(800) 414-2857**

Introduction

As a fleet operator, you need a simple and effective way to track and manage your vehicles, including both light and heavy-duty vehicles. TrackPort Pro Max is designed to be the single solution that meets the demands of today's fleet customers.

TrackPort Pro Max is an enterprise-grade telematics solution created specifically for the fleet management sector, with a focus on heavy-duty trucks. It offers comprehensive vehicle data and analytics that enable you to optimize your fleet operations, improve driver safety, and maintain regulatory compliance.

With the increasing adoption of IoT and connected vehicle technologies, real-time vehicle tracking and diagnostics are more critical than ever. TrackPort Pro Max addresses these market trends, as well as the growing need for driver safety and behavior monitoring, and compliance with regulations such as ELD.

TrackPort Pro Max is easy to install and can be installed covertly, ensuring an invisible experience for your drivers. The device collects and transmits essential vehicle data, allowing you to monitor vehicle performance, driver behavior, and location in real time.

TrackPort Pro Max is available in two variants to meet the specific needs of your fleet:

Product Variants:

TrackPort Pro Max: Supports OBD-II and J1939 protocols.

TrackPort Pro Max X: Supports OBD-II, J1939, and J1708 protocols.

Key Features:

- Plug-in tracker compatible with light-duty and heavy-duty vehicles
- Advanced diagnostics and fault code reading
- Supports OBD-II, J1939, and (on TrackPort Pro Max X only) J1708 protocols
- ELD Compatible via Bluetooth
- Intelligent Charge Management
- TrackPort Pro Max X includes Buzzer

Features & Technical Specifications



Reported Data

TrackPort Pro Max and Max X series report the following data:

- Time/date
- Latitude and Longitude
- Instantaneous speed, heading, and altitude
- Maximum segment speed, distance traveled
- Reason code: Reason for report
- Engine Data: RPM, Fuel Level, VIN, Engine Hours and, etc
- Status code: Device status info (Low battery, GPS timeout, and more)

Software Updates

All Software updates of your TrackPort Pro Max and Max X trackers are sent over-the-air (OTA). Once the tracker is installed properly, it does not need to be extracted for programming or updating purposes.

Technical Specifications

Physical Dimensions	LxWxH: 2.55" x 1.92" x 1.02" Weight: 53g / 1.87
GPS Receiver	GPS/GLONASS/BeiDou/Galileo/QZSS Hot start: 2.7s (with AGPS: 1.82s) Warm start: 21s (with AGPS: 2.52s) Cold start: 31s (with AGPS: 11.54s) Internal antenna
4G LTE Connectivity	LTE FDD: B2/B4/B12 Download Speed: 375Kbps max Upload Speed: 375Kbps max GSM/GPRS/EDGE: Quad-band 850/900/1800/1900Mhz Download Speed: 296Kbps max Upload Speed: 85.6Kbps max SMS: PDU, MO/MT, SMS Cell Broadcast Internal antenna
Power & Electrical	Input Voltage (DC): 8V - 24V Internal Backup Battery: 300mAh Li-ion Polymer Current consumption: "Network Off" Sleep Mode: 200µA "Network On" Sleep Mode: 2mA Active Mode: 30mA
Environment	Operating: -10°C to +60°C Storage: -40°C to +85°C (except battery) Humidity: 90% non-condensing
Interface	Internal 3V SIM (4FF) OBD Connector Supports J1939, CAN, OBD-II protocols TrackPort Pro Max X also supports J1708 Internal Buzzer on TrackPort Pro Max X
Other Features	Wireless Firmware Updates Bluetooth LE (ELD, Driver ID tags, Asset ID tags) Locking OBD Connector Accelerometer

Installation

Device LED Codes

The TrackPort Pro Max and Max X devices feature a green and a red LED indicator light, visible during normal operation. Observing the behavior of these lights can help identify potential hardware issues or confirm normal device function.

Initial Power-Up: Upon initial power-up, the red LED will flash in a sequence of five blinks and then remain illuminated until the device initialization is complete. This process typically takes 1 to 3 minutes.

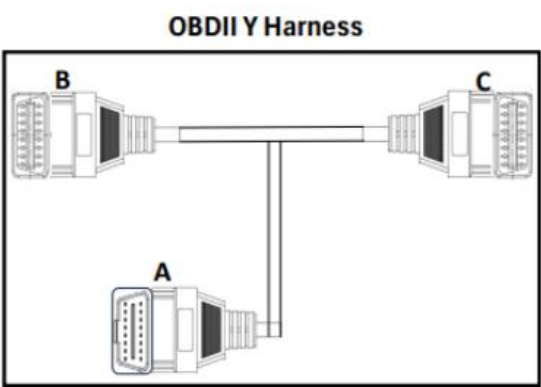
Normal Operation: A blinking green LED indicates that the device is operating normally. This serves as a visual confirmation that the device is functioning correctly and does not require attention.

Troubleshooting via Red LED: If a device malfunction occurs, the red LED light will indicate the specific issue through a series of blinks. Refer to the following table for code interpretations:

NO LED Status	The device is not receiving power	Ensure that the device is seated correctly on the port, all pins are touching, and the harness rings are locked in. If the device is still not generating a LED code there could be an issue with the harness or there is no power coming from the diagnostic port.
Green LED Blinks Regularly	The device is working normally	N/A
Green LED Blinks Fast	Ignition is On and Device is Charging (Device is working normally)	N/A
Red LED Blinks 1 time in series	Bluetooth Error	Check the placement of the device and ensure there is no interference (Metal or RFID) and make sure the tablet/phone is near the device.
Red LED Blinks 2 times in series	Cellular Error	Check the placement of the device and ensure there is no interference (Metal or RFID) and make sure the device has clear access to the sky. Also ensure that the device has an active cellular plan with the SIM provider.
Red LED Blinks 3 times in series	GPS Error	Check the placement of the device and ensure there is no interference (Metal or RFID) and make sure the device has clear access to the sky.

Red LED Blinks 5 times in series	Modem Error	Remove the device from power for 24 Hours. This will drain the internal battery of the device to completely to power down all circuits. After 24 hours have the customer plug in the device and ensure the device is seated correctly on the port and the harness rings are locked in. Turn on the Ignition of the vehicle and wait to see if the LED pattern changes. If none of the above works, please create a support ticket.
Solid Red Light On Install	NO External Power	The internal battery is close to depleted and the device is not plugged into external power. Plug in the device into external power and turn on the Ignition so the battery can charge.

LED Example



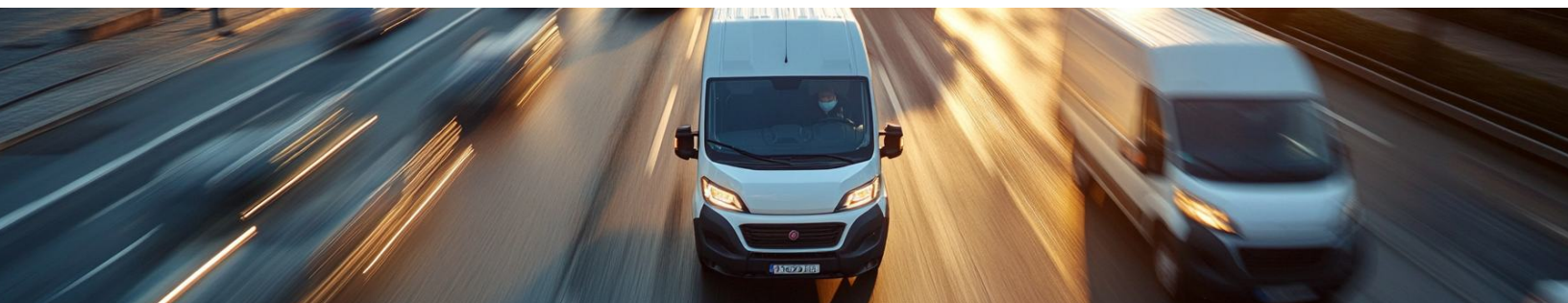
Placement

Acceptable Practices

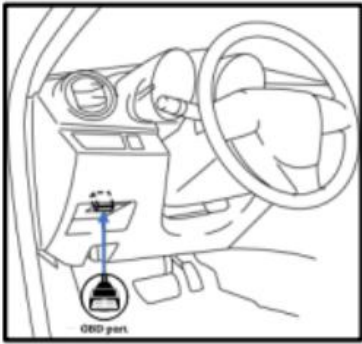
Place the hidden GPS device behind the cluster or instrument panel, in a non-visible location, with the label facing up towards the sky and completely horizontal.

Unacceptable Practices

Do not place on top of the dashboard, under metal objects or obstructions, inside the engine compartment or in any location that is visible and easily accessible to the vehicle user.

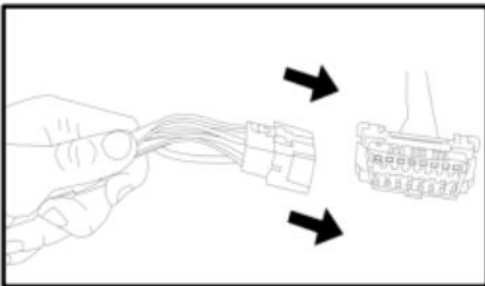
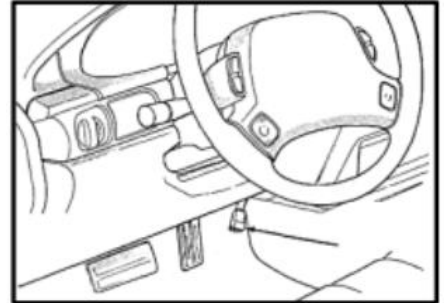


Installation Guide



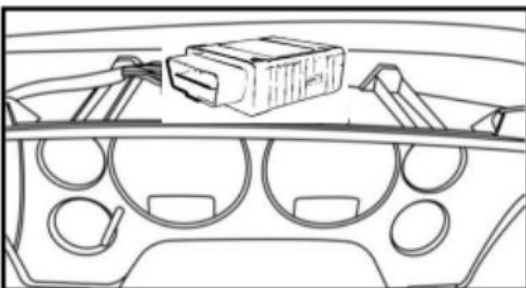
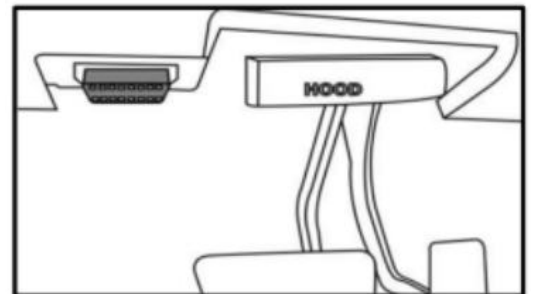
- Review the battery voltage from the vehicle with a multimeter, usually is 12V.
- Locate the DLC connector of the vehicle, usually is on the left side below the steering wheel and connect the device.

- In case that you use a Y harness, remove the DLC connector from the vehicle and then connect it to the A part from Y harness.



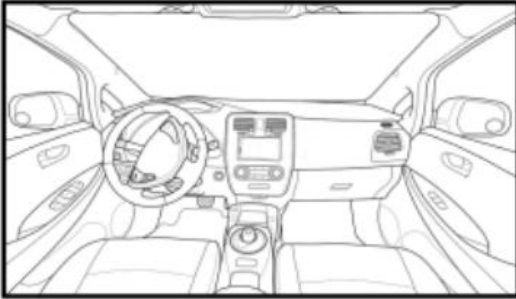
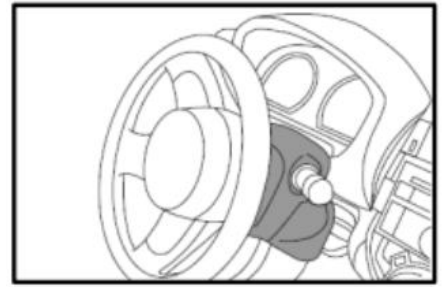
- Example of connection Part A from the harness Y in the connector from the vehicle.

- Connect the B part from the harness Y where the original car connector was located.



- Place the device behind the dashboard in an inconspicuous location and connect in the part C of the Y harness.
- There should be no metal obstruction between the module and the GPS signal.
- Plastic, vinyl and glass will not affect signal reception.

- Once the device is placed in the indicated location, perform the corresponding tests and verify the correct operation of the unit.



- Assemble each and every one of the removed pieces.
- Check that the removed moldings do not have scratches and are properly assembled.
- Check the correct operation of the electrical system.

NOTE:

The information provided in this manual is to assist with installation of certain features of the GPS device, it may contain outdated or incorrect information, it is the technician's responsibility to verify and check all the aforementioned connections, as well as to check that all cables are connected correctly. BrickHouse GPS is not responsible for any damage that may occur due to incorrect installation and/or installation of related components.

Features

Ignition Detection

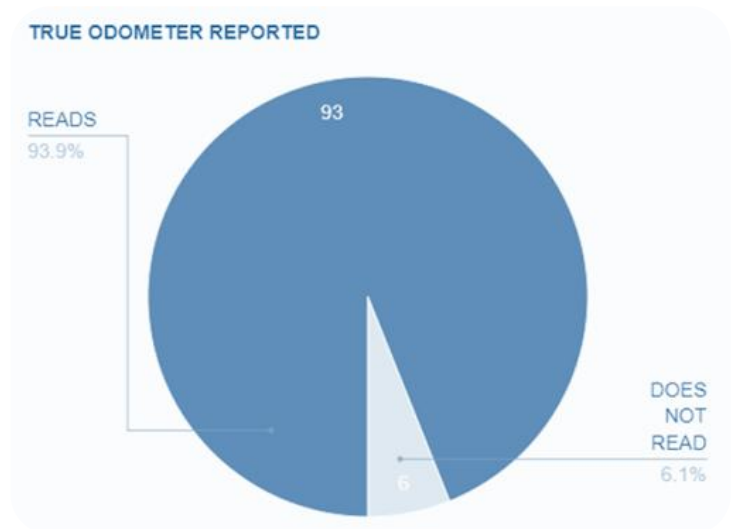
Your TrackPort Pro Max and Max X devices use an intelligent system to determine when your vehicle is running. This "panel of experts" considers various factors like the type of vehicle network, data activity, voltage levels, movement, and even past engine speed. This sophisticated approach ensures accurate and safe ignition detection for a wide range of vehicles.

We've also built in safety measures to ensure our devices communicate with your vehicle without causing battery drain or interfering with its operation or emissions checks. Unlike some simpler systems that just monitor engine RPM, TrackPort Pro Max and Max X automatically identify your vehicle's communication method before interacting. Our priority is to provide reliable data while safeguarding your vehicle's systems.

We are constantly improving our detection technology to handle even unusual situations, always keeping your needs in mind.

True Odometer

Your TrackPort Pro Max and Max X devices use custom algorithms to find odometer information in several makes/model/year combinations, as odometer is not part of the OBD standard. However, true odometer support on passenger vehicles is not universal and for example some vehicles do not provide access to odometer information over the OBD port. In situations where true odometer cannot be obtained from the engine components, the device will continue to provide a calculated GPS odometer. To ensure the values are synchronized, an offset can be applied to the GPS odometer by contacting the Brickhouse Support Team.



Regulatory Statements & Safety Information

Ensuring Compliance with FCC RF Exposure Guidelines

These guidelines provide simple instructions to ensure TrackPort Pro Max and Max X comply with FCC RF exposure guidelines and help keep users safe from radiofrequency (RF) radiation.

Understanding Device Classifications

Mobile Devices

Our devices are classified as "Mobile" by the FCC. This means they can move around and are usually kept at least 20 cm away from people.

Portable Devices

Cell phones are classified as "Portable" and have stricter radiation limits because they are carried by people. They undergo specific testing to ensure safety.

Positioning the Device

The antenna is inside the device. To follow FCC guidelines, make sure the device is positioned correctly:

Maintain Distance: Keep the device at least 20 cm away from people.

Use the Y-Harness Correctly: Ensure the Y-harness is installed properly to help maintain the required distance.

Compliance Check

- Verify the device is at least 20 cm away from people.
- Ensure the Y-harness is securely installed.
- Make sure the warning label is visible and understood.

Battery Safety

Intelligent Charge Management

TrackPort Pro Max and Max X series will not attempt to charge the battery unless it is certain the engine is running and the environmental temperature is within a safe charging range. To optimize battery health and promote safety, TrackPort Pro Max and Max X series will only slow charge and entirely avoid high current charging, which is a leading cause of battery damage. Additionally, TrackPort Pro Max and Max X series are designed in a manner that makes overcharging impossible.

Operating Temp Range (C)	-20 to 60
Charging Temp Range (C)	0°C ~ +45°C
Battery Type	Lithium Polymer
Battery Size (mAh)	320
Battery Life (Charge Cycles)	≥400
Charge Time (Hours)	4.0-5.0
Lithium Content (Grams)	0.096
Total Battery Weight (Grams)	7
Amp Hours (Ah)	0.32
Watt Hours (WH)	1.184