



TRACKMATE INSTALLATION GUIDE

DASH T11 LTE

GPS Tracker



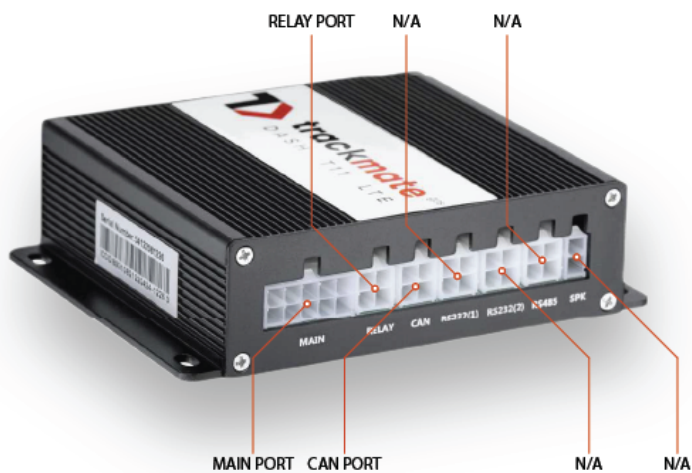
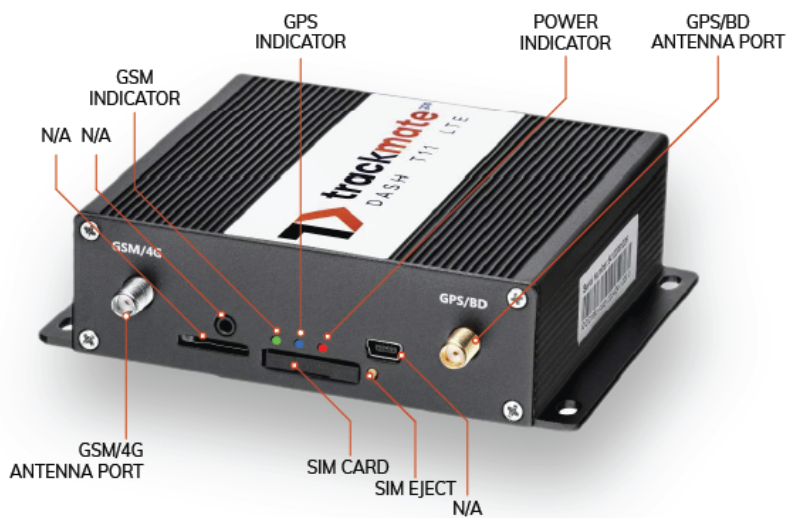
Thank you for choosing Trackmate! We're thrilled to have you on board.

Setting up your tracker requires activation, simply visit Trackmategps.com and let it guide you through setup. Our aim is to ensure that your setup process is seamless and hassle-free. Should you encounter any challenges or have any questions about getting started, please feel free to reach out to us via phone or email. Our team of friendly customer support specialists, located in the US, is dedicated to assisting you at every step and helping you activate your tracker.

Rest assured, our support specialists will provide personalized guidance and tailored solutions to meet your specific needs. You can reach us at **718-878-4056**, or if you prefer, you can shoot us an email at support@trackmategps.com.

Our ultimate aim is to surpass your expectations and deliver the best possible service to each and every customer. Your satisfaction is our top priority!

Once again, we sincerely appreciate you choosing Trackmate.



Overview

The GPS vehicle tracker designed for commercial and personal use

- Compact design fits into any car, truck, or bus
- The latest GPS and telematics technology, including:
 - ◆ Remote alarm/horn activation
 - ◆ Remote door lock/unlock
 - ◆ Ignition/Fuel pump cut-off
 - ◆ CAN (Control Area Network) data
 - ◆ SOS button
- Easy monitoring and control from anywhere using the Trackmate management platform for desktop and mobile

Setup

New to Trackmate? Set up your first tracker in no time

- Make sure to have the following on hand:
 - ◆ Tracker serial number reference card (in the box)
 - ◆ Credit card number
- Download the Trackmate app, or sign up at www.trackmategps.com, and let it guide you through setup:
 - ◆ Create account
 - ◆ Register tracker & select plan
 - ◆ Payment & activation

Already have Trackmate?

- Add Trackmate devices or change your service plan at any time.

Installation

Safety is our number one concern so be sure to closely and carefully follow this guide when installing your tracker.

If you are familiar with auto electronics, it should take about 30 to 45 minutes to install your

tracker. Estimate an additional 1 hour for accessories. If you have any doubts, we recommend hiring a professional car electrician to install the tracker. Extreme caution should be used during the installation of this product as it may cause damage to your vehicle if installed incorrectly

What you'll need

- Voltage tester/meter
- Electrical tape or heat shrink tubing
- Wire strippers
- Electrical wire
- Plastic trim removal tools
- Fuse taps (optional)
- Headlamp
- All the items in the box

Take everything out of the box

- ☒ DASH T11 LTE GPS tracker
Note: Your tracker ships with a SIM card preinstalled
- ☒ Wiring Harness
- ☒ Door lock wire
- ☒ CAN wire
- ☒ GPS antenna
- ☒ GSM antenna
- ☒ SOS wire
- ☒ 12V relay for kill switch
- ☒ Serial number reference card

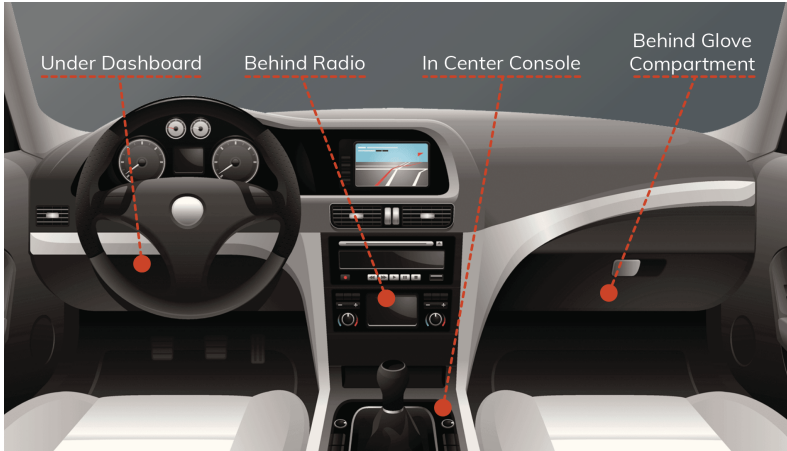
Test your tracker (optional)

If you want to test your tracker before installing it:

- Prep your wires (see step 5)
- Make sure your tracker is outdoors or near a window.
- Connect both antennas to their corresponding port.
- Connect the wires to a 12V power source.
- Your device will usually start tracking within the hour.
- Check the LED indicators.

Select tracker location

You can put your tracker just about anywhere but for best performance, avoid the hot locations such as the engine compartment. Here are a few location suggestions:



Locate a power source

Locate a **constant 9V-40V DC** power source.

- Tracker power consumption is minimal (<30mA) and should not affect your vehicle battery unless the vehicle is not used for an extended period (several weeks) or the vehicle battery is in poor condition.

Prep the wiring

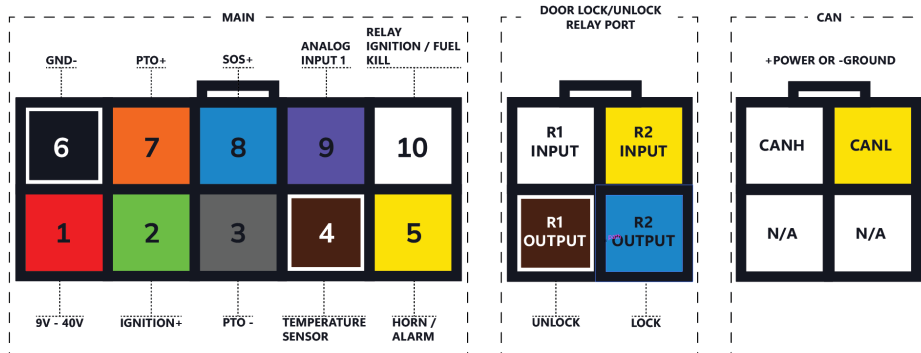
Before you begin stripping, splicing, and connecting wires:

- Use your voltmeter to locate a ground accessory and ignition wire that **remains constantly powered** the entire time the ignition is on (avoid dome lights that turn off after a few seconds). Mark your chosen wires.
- Disconnect the ground terminal of your vehicle's battery.
- Make sure your contact points are exposed and accessible. Use your wire stripper to expose a section of wiring large enough for you to work with.
- Review this wiring diagram and use it as a reference when connecting wires to the tracker.

Connect wire harness (required)

You must connect the following wires for your tracker to work:

- ➔ Black wire #6 to ground (GND)
- ➔ Red wire #1 to a constant 9V to 40V power source (most vehicles provide 12V)
- ➔ Green wire #2 to the ignition powered contact



Connect accessory wires (optional)

You can connect additional wires for various accessories based on your personal or professional needs.

Peripheral devices

- ➔ Use one of the 2 input wires Brown(-) #3 or Orange(+) #7 to detect a change of state (on/off) of peripheral devices, such as:
 - ◆ School bus stop signs and flashers
 - ◆ Open doors, trunks
 - ◆ Emergency lights, sirens
 - ◆ Seat belt usage
 - ◆ Pump or any motor, e.g. pressure washer
- ➔ Analog input Brown #4 (with optional temperature sensor) can be used to: Monitor current temperature in reefer trucks.
- ➔ Connect Yellow #5 to ground (GND) to:
 - ◆ Activate horn/alarm by sending a command from the app or desktop. (Most vehicles don't require a relay to accomplish this.)

SOS Button

To send an alert in case of an emergency to a phone number or email address:

- Connect the Red wire to the Blue wire #8 and the Black wire to ground.
- Press the SOS button 3-4 seconds. Registered phone number(s) will receive emergency notification by SMS.

Door lock/unlock

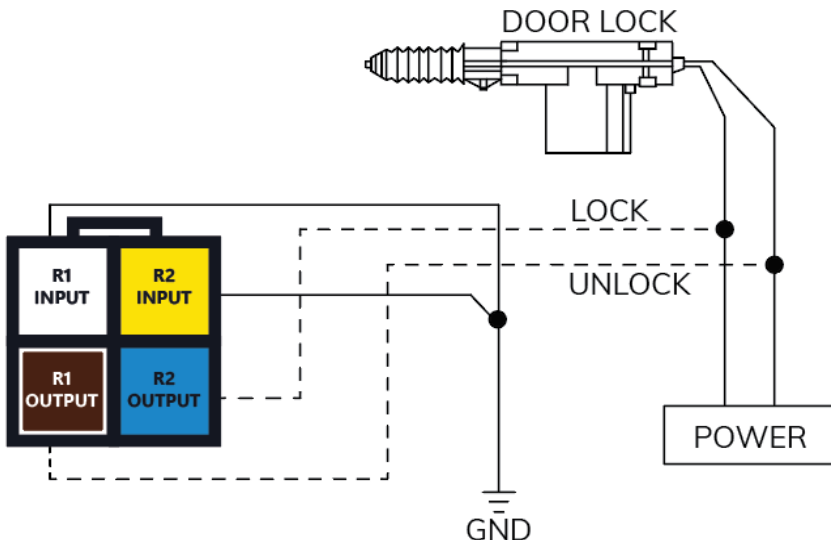
Door lock systems operate on either negative or positive trigger systems. Prior to installation, verify your vehicle's system. If your vehicle has a reverse polarity system, you should reverse the wires.

To lock or unlock doors via the app or desktop:

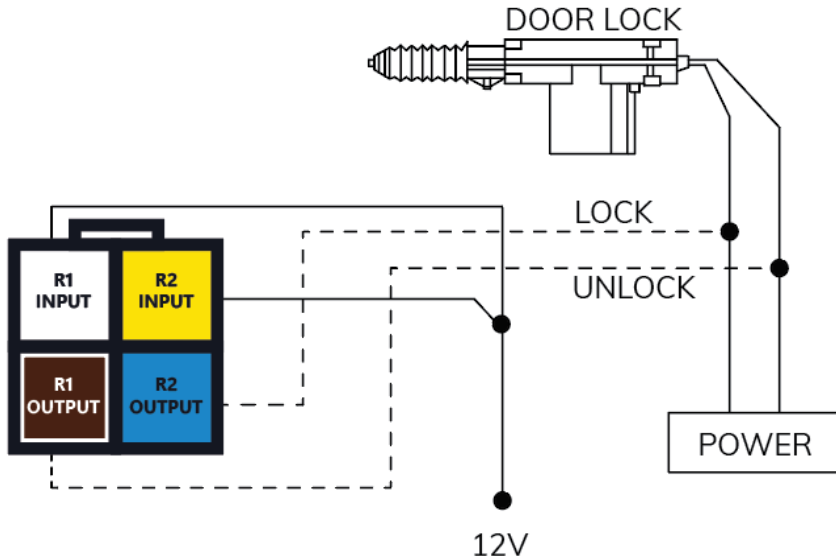
- Plug the wiring harness into the relay port of the device.
- Connect the R1 and R2 outputs directly to the door lock actuator (motor), bypassing the ECM (control module).

Note: Some vehicles may require a double click—so simply tap on the command twice.

Negative trigger system



Positive trigger system

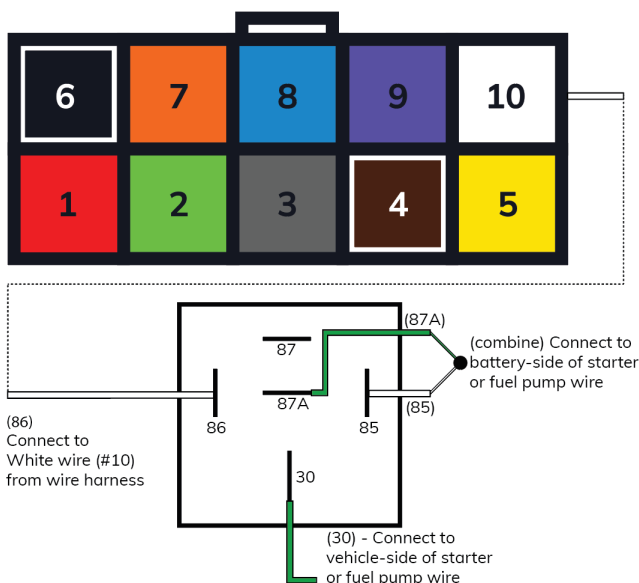


Ignition/fuel cut-off

To control fuel or ignition via the app or desktop

- Use White wire #10 for either Ignition or Fuel pump. When wired to Ignition and disabling it, it will prevent ignition from turning on— but not stopping the vehicle while driving.

Disabling the fuel pump wire will stop the vehicle while driving.



CAN Data

To display the odometer mileage and fuel tank status:

- Plug the CAN wire into the CAN port.
- Connect the White wire to CANH (high) and the Yellow wire to CANL (low).

Secure the antennas

Secure the GPS antenna to the GPS/BD port and the GSM antenna to the GSM/4G port.

- Make sure it is installed horizontally—with the back side (top) facing skyward.
- Make sure it is clear of any surrounding metal.

Start tracking

Once you've completed setup and installation, you're ready to start tracking. Keep in mind:

- It can take up to 1 hour for the tracker to start working after installation.
- Your vehicle must be outdoors or in a place that does not obstruct the cellular signal for the tracker to work.

- Use your desktop or Trackmate app to monitor or control your vehicle.

IMPORTANT NOTE:

It is advisable to test the functionality and features of your tracker before leaving the installation facility.

Troubleshooting

Unable to register tracker

- Make sure you entered a valid credit card number.
- Verify the serial number on the device.

Device doesn't turn on

- Inspect fuse on wire harness.
- Verify incoming voltage of red wire #1 (12-40V)
- Secure black ground wire #6

Rebooting

- Unplug the wiring harness from the device.
- Pop the SIM card tray out by pushing the yellow button near the tray. Once the tray is out and the harness is unplugged, the LED indicators will shut off.
- After 60 seconds, push the SIM tray back in, plug the wiring harness back in and check the LED indicator.

Tracker sends wrong location or irregular data

- Make sure the GPS antenna is not obstructed by metal and installed horizontally.
- Make sure both antennas are connected securely to their correct ports.

LED indicators

Red LED - Power

Off	No external power source
On	Connected to external power source

Blue LED - GPS Module

Off	Searching for GPS signal
On	GPS fixed

Green LED - Communication Module

Off	Module did not power on (or is in Deep Sleep mode)
On (Blinks once every 4 seconds)	Connected to network and server
On (Blinks twice every 4 seconds)	Device has established a network connection, but is not connected in 4 seconds)to the server

Tech specs

Power Supply	+9v--- +40v / 1.5A
Internal Battery	3.7v - 300mAh Rechargeable lithium-ion battery Temperature durability up to 176°F (80°C)
Normal power consumption	2W, 12.5W at peak
Working Current	60mA- 100mA
Dimension	4.8 x 3.6 x 1.25in (23 x 92 x 32mm)
Weight	9.3oz (263.65g)
Operating temperature	-22° to 176° F (-30° to 80° C)
Bands	LTE FDD;B2/B4/B12 WCDMA: B2/B4/B5
GPS Module	GT1612-MT/ATGM332D
GPS Sensitivity	-165dBm
Receiver type	50 Channels GPS L1 frequency, C/A Code SBAS: WAAS, EGNOS, MSAS
Horizontal position accuracy	GPS 2.5 m SBAS 2.0 m SBAS + PPP7 < 1 m (2D, R50)8 SBAS + PPP7 < 2 m (3D, R50)8
Velocity Accuracy	0.1 m/s
Reacquisition	1 sec., average
Heading accuracy	0.5 degrees
Button	One SOS Button supported
Transmission power	≤10dBm

When you activate your DASH T11 LTE tracker, you acknowledge and accept the terms and conditions of the service agreement. We may occasionally send you a new SIM card to replace the one in the device in order to improve tracking reliability.

Free Trial Period

Your purchase includes a free trial period of 7 days from the date you activate your first tracker.

Need more help?

Our dedicated support team is always happy to assist with getting you setup. Please contact us at support@trackmategps.com or call us at **718-878-4056**

Disclaimer

By proceeding with the installation of this GPS tracking device into your vehicle, you acknowledge and agree to the terms and conditions which are available on Trackmategps.com



Activate device on Trackmategps.com