

USER GUIDE



Introduction

Welcome to a new dimension of safety and security for your vehicles with your purchase of the TrackmateGPS MINI PRO-II LTE. Its advanced technology provides you with the ability to control your vehicles.

Whether you operate a business with company cars, a fleet of limousines, or are a parent of a teenage driver, the MINI PRO-II LTE lets you know where your car is at all times. It can even signal you if someone exceeds your pre-determined speed limit or enters an area where you prefer the driver not be.

The MINI PRO-II LTE is simple to install and easy to use.

Read the Installation section of this guide carefully before installing your new MINI PRO-II LTE.

NOTE: The latest version of this guide is available at www.trackmategps.com. The guide's version number is on the back cover, and may be compared to the online version.

Product overview

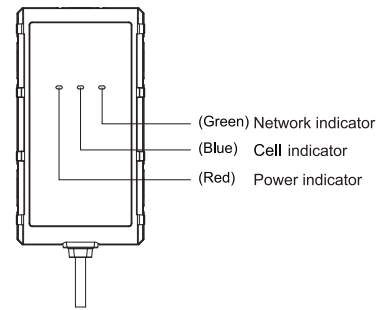


Figure 1

Standard Parts List

Item	Quantity
MINI PRO LTE II	1
Power cable (Length:3ft.)	1
Relay	1 (Optional installation)

Real-time tracking
Driving behavior analysis
Over-speed alert
Tamper alert
Power-supply-cut alert
Low power alert
Vibration alert
Geo-fence

Specification

Network	4G LTE
Frequency	LTE: B1/B3/B7/B8/B28 GSM: 850/900/1800/1900 MHz
Location accuracy	<32 feet
Relay	Optional
TTFF (open sky)	Avg. hot start ≤1sec Avg. cold start ≤32sec
LED indicators	GPS (Blue), Cellular (Green), Power (Red)
Battery	60mAh, 3.7V Li-Polymer battery
Operating voltage	9-90V DC
Operating temperature	-4°F to +158°F / -20°C to +70°C
Device weight	2.4oz / 69g
Device dimension	3.7in x 1.98in x .6in

LED Indication

Power Status (Red)

On for 0.3s and off for 0.3s	Low power
On for 1s and off for 3s	Fully charged
On for 0.1s and off for 3s	Working normally
Solid on	Charging (Higher priority than the status of low power)
Off	Battery is exhausted/Internal failure

GNSS Status (Blue)

On for 0.3s and off for 0.3s	Searching GNSS signal
Solid on	Positioned
Off	GNSS module is in sleep mode or not working

Cellular Status (Green)

On for 0.3s and off for 0.3s	Network initializing
On for 1s and off for 3s	Receiving signal normally
On for 0.1s and off for 3s	Network connected
Solid on	Calling
Off	No signal received/No SIM card detected

Power supply Status (Red, Blue, Green)

Red, Blue and Green on for 3s	Connected/disconnected power supply
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Interfaces

6 Pin Standard Version

Interface	Color	Description
V+	Red	Power + (9-90V)
V-	Black	Power - Ground pin
ACC	Orange	Vehicle ignition detection
Relay	Yellow	Cut-off vehicle fuel supply

Installation

The estimated time for installation is 30 to 45 minutes. We recommend using a professional car electrician to install your tracker. However, if you are familiar with auto electronics, you may choose to install it on your own.

Tools needed for installation:

- Voltage tester/meter
- Wire stripper
- Electrical tape or heat shrink tubing
- Wire connectors
- Fuse taps (optional)

The first step is to identify a good location to mount your device. See Figures 4 and 5 for some suggestions.

The tracker must be connected to a power source providing 9V-90V DC and requires a constant power source. The device should not affect your vehicle's battery unless the vehicle is not used for an extended period (several weeks), or if the vehicle battery is in poor condition. An optional sleep mode can be activated on the platform in these cases.

Safety is our number one concern. Before you begin stripping, splicing and connecting wires, it is important that you use your voltmeter to locate a ground, constant power and accessory or ignition powered wire (It is important to test that this wire remains powered for the entire time that the ignition is on), as well as any other connections you will be using.

Mark these wires and disconnect the ground terminal of your vehicle's battery. You can now install the device.

The wiring harness, as shown in Figure 2, has 6 wires (approximately 3ft long). Only 4 wires are used).

Ensure that your contact points are exposed and are accessible. If your contact points are wires, use your wire stripper to expose a section of wiring large enough for you to work with.

- Connect the black wire to ground.
- Connect the red wire to a constant power source that provides between 9V and 90V DC. 12V is most common in vehicles.
- Connect the orange wire to the ignition powered contact.

If you are installing a relay for ignition cut-off, follow the diagram above (Figure 2). When doing so, pay attention to the numbers for the wires, as the colors may vary. Please note that the relay should be 12V Normally Closed with a flyback diode.

Your tracker is shipped with the SIM card pre-installed and the back-up battery switched off.

Plug the harness into the device's "MAIN" port. Once connected to a 12V power source, the LEDs located on the top of the device will begin flashing.

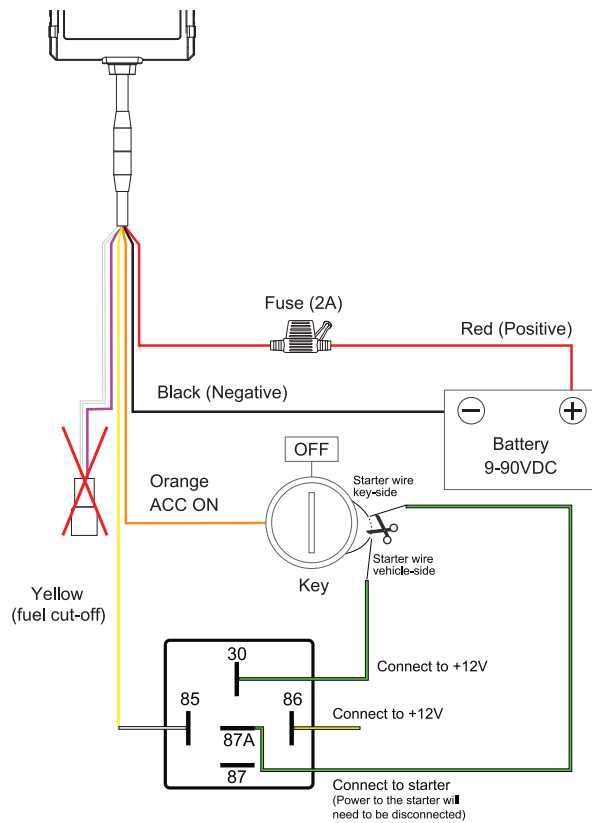


Figure 2

Optimal installation locations are below the dash board or behind the glove compartment. For additional installation options, view Figures 3 and 4. For best results, the device should not be blocked by metal. IT IS CRITICAL TO MOUNT THE DEVICE HORIZONTALLY, with the LED lights facing upwards. Installing in the engine compartment is not recommended, because the extreme temperatures can potentially affect the life and performance of the device.

In the event that the tracker does not begin tracking after an hour, please contact us by phone at 718-878-4056 or email us at support@trackmategps.com with your username in the subject line. We will assist you promptly.

Installation recommendation

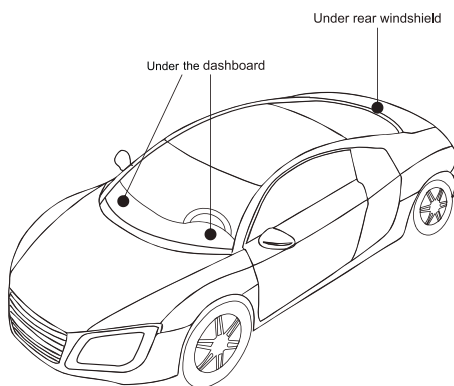


Figure 3

Note:

1. The device should face up to sky.
2. Metal thermal barrier or heating layer, which are always installed on windshield, may affect the signal, please avoid installing the device under these objects.

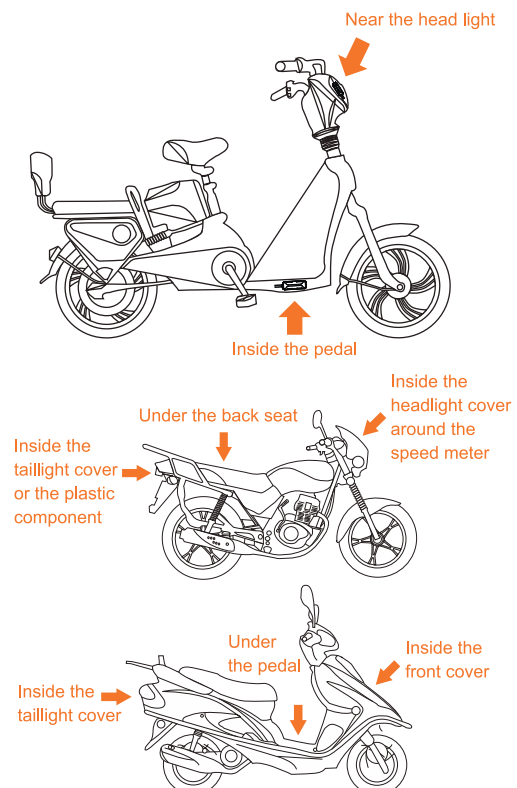


Figure 4

Registration

If this is your first TrackmateGPS™ tracking device you need to create an account at www.trackmategps.com. On the Sign Up page, you will be asked to complete an account information form.

Next, enter your credit card information. At this point you will not be charged, however your card will be verified. You will not be able to register a new device without a valid card on file.

Next, you land on the "Register Device" page where you will enter your device's serial number. The serial number can be found on the device as well as on the box.

On this page you will also select a service plan:

Saver.....5min updates \$9.99/month
Saver+.....3min updates \$13.99/month
Basic.....1min updates \$16.99/month
Premium.....30sec updates \$24.99/month
Platinum.....5sec updates \$29.99/month

(All updates listed are when the ignition is on)

Select the country where your device is located.

Any subsequent devices may be registered by navigating to the "Register Device" page located under the "Devices" section of the website's header menu.

Failure to provide the correct information will cause the activation to fail.

Free Trial Period

Your purchase includes a free trial period for 7 days from the date of activation for your first device. At the time of activation, the fee will be put on hold on your credit card.

No further contract or service agreement is required. The tracking fee is billed automatically monthly, quarterly or annually (your choice). No-fee cancellation may be completed online. You will receive a refund for any additional months that were prepaid past the cancellation month.

Troubleshooting

1. If your device isn't working, check the LED lights on the device with the table above to ensure that it is working and has power.
2. If the LED lights are off check your wiring connections to ensure that nothing is loose.
3. If the blue or green LEDs are not lit properly, your device doesn't have a good connection to the satellites or cell towers. Don't worry, when your vehicle gets to an area with better reception, your device will start working again and will fill in any gaps in the history.
4. If the lights are on, and are working according to the above table, we will need to reboot the device.

Rebooting

1. To manually reboot your device, start by disconnecting the wiring harness.
2. Use a pry tool or flathead screwdriver to remove the device's cover.

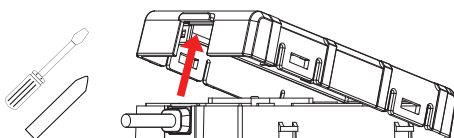
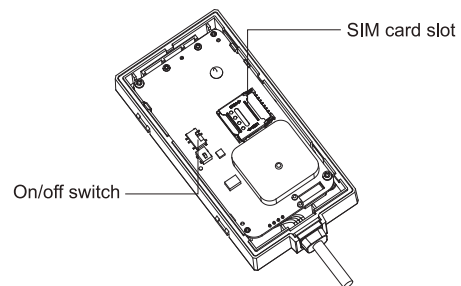
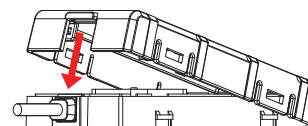


Figure 5

3. Flip the on/off switch to the off position.
4. Turn the device back on after 60 seconds and put the cover back on.



5. Press the upper case down and make sure all 5 clips are completely in place.



6. Reconnect the device to the wiring harness.

Figures 6 and 7

Type	Use
Tracker shows offline	Check that the device is still connected to power. Ensure that the vehicle is in an area with good reception.
Unable to locate	Make sure the device is laying horizontally with the LED lights facing upwards and that there is no metal immediately surrounding the device. Make sure it's not in area with no satellite coverage.
Location drift	In area with poor GPS signal (near tall buildings or in a garage), drifting may happen (your vehicle may appear to jump around on the map). Ensure a secure mounting to prevent the vibration sensor from being triggered.

Thank You!

Thank you for purchasing the TrackmateGPS™ MINI PRO-II LTE. We are confident you will find the service and features a valuable part of your personal or professional life. If you have any questions, please feel free to contact us at:

Email: support@trackmategps.com

Phone: 718 878-4056

We strive to provide a pleasant and professional service experience.

Please be kind enough to leave a review on Amazon for this product.

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