

GT06N 4G

LTE Vehicle GNSS Terminal



This user manual has been specially designed to guide you through the functions and features of your LTE Vehicle GNSS Terminal.

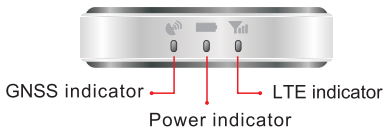
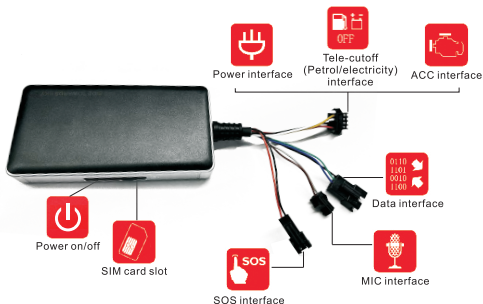
1. Packing List

GT06N 4G unit
Power cable
Relay
Microphone
SOS button

2. Specifications

Dimension	106(L) x 54(W) x 16(H) mm
Backup Battery	450mAh / 3.7V
Operating Voltage	DC 9-90V
Operation Temperature	-20°C to 70°C
Humidity	5% - 95%
LTE Frequencies	LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41
Positioning Accuracy	< 2.5m CEP
TTFF (Open Sky)	Avg.cold start: ≤38sec
	Avg.hot start: ≤2sec
LTE/GNSS Antenna	Built-in design
LED Indication	LTE(Green) / GNSS(Blue) / Power(Red)
Geo-fence	View any existing Geo-fence in the map
Speeding Alarm	Send an alert notification when the tracked vehicle exceeds a preset speed limit.
Low Power Alarm	Report an alarm when the internal battery of the device drops down to a critical value.
Non-movement Detection	Movement alarm based on built-in 3D motion sensor
Mileage Report	Track by time/distance interval
Remote Control	Cut off petrol/electricity

3. My device



GNSS Indicator - Blue

Flashing (interval 0.1s)	Searching GNSS signal
Solid blue	GNSS fix
OFF	No GNSS fix or initializing

LTE Indicator - Green

Quick flashing (interval 0.1s)	LTE initializing
Slow flashing (flash 0.1s every 2s)	Receive LTE signal normally
Solid green	Connected to LTE network
OFF	No LTE signal

Power Indicator - Red	
Flashing (interval 0.1s)	Low battery
Slow flashing (interval 0.2s)	Full charge
Slow flashing (flash 0.1s every 2s)	Normal operating
Solid red	Charging
OFF	Low battery/Power off

Ignition detection: The three LED indicators flash in rotation.

4. Getting Started

Please follow the instructions below to ensure for ensuring safe and correct use.

4.1 Install the SIM card

Insert the SIM card into the device with the gold contacts facing upwards.

Note:

Make sure there is enough credit on the SIM card. If you will be using the GPRS function, you should pay attention to the current SIM card GPRS charge.

4.2 Install the device

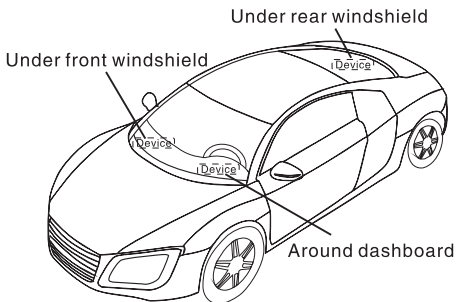
You need to choose somewhere that it won't be found, because the whole point of fitting covert GPS vehicle tracker is secrecy.

Refer to the following figure for recommended install locations.

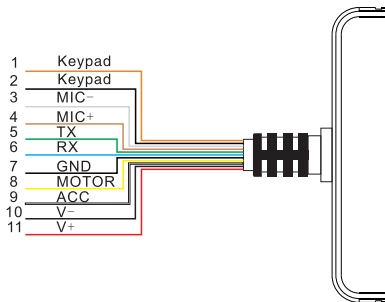
NOTE:

1. Any high power devices such as reversing radar, anti-theft device or communication equipment would affect the signal of the device.

2. All metallic cases of the windshield will attenuate the signal on the tracking device. It's simply due to the shielding effects of the metal compound of the case.



4.3 Wiring configuration



Line No.	Specification	Color	Description
1. 2	Keypad	Orange / Black	Connect to SOS button
3. 4	MIC-,MIC+	Grey / Brown	Connect to Microphone
5	TX	Green	Send data/ Flash firmware
6	RX	White	Receive data/ Flash firmware
7	GND	Black	Ground wire
8	MOTOR	Yellow	Connect to relay control line
9	ACC	White	Connect to ACC ignition
10	V-	Black(thick)	Negative side of 12V/24V vehicle battery.
11	V+	Red(thick)	

Notes on relay wiring

The relay wiring of pump: oil connectors of both ends are a fine white line (85) and a fine yellow line (86). The fine white line (85) is connected to vehicle positive power (+12V). The fine yellow line is connected to the device relay control line. Cut off the positive connection line of the pump; then connect in series to the relay N.C. contact (thick green line 87a) and the other end to relay COM contact (thick green line 30).

4.5 Power/ACC/Tele-cutoff(petrol/electricity) control line (4 pin)

1. Your device comes with a power cable and is designed to use only manufacturer-specified original device. The red line is positive while the black one is negative (the side should not be connectd with ground wire).

2. The ACC line (white) connects to ACC switch of the vehicle. Please be sure to connect the ACC line; otherwise the device will enter ignition detection status when disconnect the ACC line. If you don't need the anti-theft feature temporarily, just connect the ACC line to the positive side in parallel.

3. Tele-cutoff (petrol/ electricity) control line (yellow) is connected to pin 86 of the Tele-cutoff (petrol/ electricity) relay (equal to the yellow line of the relay socket).

4. USB cable (3 pin)

Firmware updating interface/expanded function to reserve space.

5. MIC line (2 pin)

Externally connect to microphone for voice monitoring function.

6. SOS line (2 pin)

Externally connect to SOS button for SOS function.

5. Web based tracking online activation

The GPRS web based tracking platform allows real time tracking with the latest Google maps. There is also a playback feature that allows you to view where the vehicle has been for up to 30 days in the past, making it ideal for fleet management.

6. Trouble shooting

If you are having trouble with your device, try these troubleshooting procedures before contacting a service professional.

Problems	Causes	Solutions
Fail to connect platform	The fuse blows	Replace the fuse
	ACC ignition disconnected	Turn on ACC with key
Fail to connect network	Wrong installation of SIM card	Check SIM card installation (Refer to 4.1 Install SIM card)
	Filth on the SIM card gold contacts	Clean it
	Useless SIM	Contact internet service provider
	Improper installation	Check installation of device (Refer to 4.2 Install the device)
	Beyond GSM service area	Use it in effective GSM service area
	Bad signal	Try again in a better signal area
Fail to charge	The voltage is unsuitable	Connect with power with suitable voltage
	Improper connection	Check connection with charger

Warranty instructions and service

1. The warranty is valid only when the warranty card is properly completed, and upon presentation of the proof of purchase consisting of original invoice indicating the date of purchase, model and serial No. of the product. We reserve the right to refuse warranty if this information has been removed or changed after the original purchase of the product from the dealer.
2. Our obligations are limited to repair of the defect or replacement the defective part or at its discretion replacement of the product itself.
3. Warranty repairs must be carried out by our Authorized Service Centre. Warranty cover will be void, even if a repair has been attempted by any unauthorized service centre.
4. Repair or replacement under the terms of this warranty does not provide right to extension or renewal of the warranty period.
5. The warranty is not applicable to cases other than defects in material, design and workmanship.

Maintenance Record 1

Date		Serviced by	
Product Model			
IMEI Number			
Fault Descriptions			
Comments			