

# **Vehicle GPS Tracker**

## **User Manual**

**V2.1**

Please read the user manual carefully before installation, so as to get the correct installation method and quick operation. If the appearance and color of the product are changed, please refer to the actual product!



# 1. Product functions & parameters

## 1.1. Product functions:

Location query, historical route playback, geo-fence, inflection point supplementary transmission, blind zone supplementary transmission, parking report, voltage detection, overspeed alarm, displacement alarm, power failure alarm (optional), SOS emergency (optional), voice broadcast (optional), temperature detection (optional), remote oil and electricity cut off (optional), fuel level detection (optional)etc.

**(Note: Different models with different functions, please refer to corresponding models.)**

## 1.2 Product parameters

- Network standard: 4G, 3G, 2G (optional)
- Wide voltage input range: 9-50V/9-75V/9-95V (optional);
- Positioning time: average hot start: ≤3sec(open sky)  
average cold start: ≤35sec(open sky)
- Positioning accuracy: ≤10m (open sky)
- Working temperature: -20°C-75°C

**(Important tips: Please install and use correctly within the tolerance range of the equipment performance, if any illegal installation exceeds the equipment performance tolerance range, all the consequences caused by the user shall be borne by themselves!)**

## 2. Product accessories and LED status

### 2.1 Accessories:

Standard: GPS tracker/harness/user manual/double-sides sticker

Optional: microphone, SOS button, relay.

### 2.2 LED status of GPS tracker

#### 2.2.1 Red LED (power supply/working status)

LED status	Meaning
On all the time	Working normally
off	shutdown

#### 2.2.2 Yellow LED (GSM signal status)

LED status	Meaning
Fast flash 1 time within 2 seconds	Network initialization
On all the time	GPRS communication normally/online
off	GSM sleep/shutdown

#### 2.2.3 Blue LED (GPS signal status)

LED status	Meaning
Fast flash 1 time within 2 seconds	GPS signal searching

On all the time	GPS located
off	GPS sleep/shutdown

### 3. GPS tracker installation instructions:

#### 3.1 Preparation before installation:

- ① Open the box, check whether the device model is correct and the accessories are complete, otherwise please contact your dealer;
- ② SIM card selection, the terminal needs to insert a standard SIM card and select the supported carrier SIM card.
- ③ SIM card installation, according to the type of SIM card slot of the device, confirm the direction of the SIM card and place the SIM card correctly.

Attention:

- (1) Before installing or removing the SIM card, please cut off the power of the terminal;
- (2) The terminal SIM card needs to be enabled for networking;
- (3) If your SIM card has been enabled to require SIMPIN input, please refer to your cell phone user manual to turn off the SIMPIN input function;
- (4) Please ensure that the terminal SIM card is not deactivated.

### 3.2 installation

The GPS device should be installed at hidden positions. We highly suggest that installed by professional technicians. Please note below items:

- ② Installation position should be as concealed as possible, and be waterproof.
- ② Keep away from emission sources, such as reversing radar, anti-theft device and other vehicle-mounted communication equipment.
- ③ The device finished with built-in GSM antenna and GPS antenna. When installing, make sure that the front is facing upward (toward the sky), and there is no metal object upside.

The recommended installation position as below:

- (1) The hidden place in the decorative panel under the front windshield of the car.
- (2) Hidden places around the front dashboard of the car (the skin is made of non-metallic material).
- (3) Under the decorative panel under the rear windshield of the car.
- (4) Inside the car door or the center pillar.
- (5) In the dashboard of the electric vehicle/motorcycle or the hidden place under the rear seat.

### 3.3、 Definition of the cables

3.3.1 Please use the power cable provided by the original factory. The red cable is the positive pole of the power supply, and the black is the negative pole of the power supply. When installing the negative pole of the power supply, please choose separate grounding or grounding. Do not connect it with other grounding wires.

3.3.2 ACC cable (orange cable) connects to ACC switch. If the ACC automatic anti-theft function is required, the ACC line must be connected, and the device will determine whether to enter the

fortified state according to the ACC state; if the ACC line is not connected, the vehicle will enter the fortified state. When the vehicle is running in the fortified state, vibration will trigger the vibration alarm.

3.3.3 The oil and electricity control cable (yellow cable) should be connected to the thin yellow cable on the relay (optional).

**(Note: The wiring diagrams are different if different, the specific wiring should refer to the actual product.)**

**3.4 Steps for the correct use of the product:** install → start → set → register

**Install:** When installing, make sure the GPS antenna face the sky, and the place above the installation location must be covered by materials that do not absorb electromagnetic waves (such as metal, explosion-proof insulation film).

**Start:** Install the SIM card in the correct direction, connect the wires according to the wiring diagram, and then switch on.

**Set:** It must be done, otherwise no other operations can be performed. Use the owner's mobile phone to send a text message to the GPS device SIM card number to set the owner's number and specific number.

**Register:** The registration method depends on the dealer's platform, and the registration method is also different. Please consult the dealer.

#### 4. GPS tracker operation instructions

##### 4.1 SMS command

The user uses the mobile phone to send SMS command to the SIM card number of GPS device (note SIM card should be activated the text message function).

The comma in below SMS command format is in English input format, and the letters are upper and lower case according to the requirements of the instruction.

Common query functions	SMS command	Reply
Terminal status query	CXZT	Version, ID,IP, etc...
Longitude and latitude link query	G1234	Google address link
reboot device	CQ	CQ OK
reset	FORMAT	FORMAT OK
Revise APN	APN,123456,cmnet	APN SET OK
Revise APN user name	APNUSER,123456,user	APNUSER SET OK
Revise APN password	APNPASSWD,123456,password	APNPASSWD SET OK
Ignition/running upload interval time setting	FREQ,123456,30	FREQ SET OK
Flameout upload interval time setting	STATIC,123456,40	STATIC SET OK

Revise ip and port of server	IP+blank+IP address+blank+port example: IP 106.3.230.234 8185	IP SET OK
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#### 4.2 App operation

Login the tracking platform:

Users can log in to the global positioning service platform provided by the dealer to check the location and status of the vehicle. For the service platform website, please consult your dealer.

##### 1. login and check on web platform:

If individual users, please log in with the device ID number. The ID number is on the GPS device and packaging box. When logging in to the platform, please select IEIM/license plate number to log in. The default password is: 123456.

For enterprise users and fleet management users, please log in by user name. The user name and password are set by the dealer, please contact the respective dealer to assign.

##### 2. Login by Mobile APP:

If Android system, please scan the QR code download, and if Apple mobile phone user can search the APP name in the Appstore to download.

If individual users, please log in by the GPS device ID number. The ID number is on the GPS device and packaging box. When logging in to the platform, please select IEIM/license plate number to log in. The default password is: 123456.

If enterprise users and fleet management users, please log in by user name. The user name and password are set by the dealer, please contact the respective dealer to assign.

#### 5. Trouble shooting.

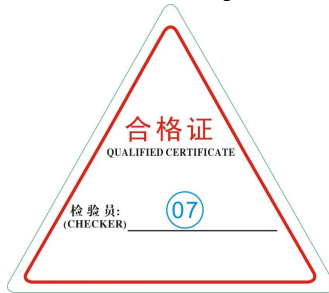
##### Trouble shooting

When operating the GPS device, if it is not work properly, please refer to the following problems and solutions; if the problem still cannot be solved, please contact the dealer.

Common Problems	Reasons	Solutions
<b>Poor signal</b>	Test at areas where there are high buildings or underground parking lots, where radio waves cannot be sent or received normally.	Use it at a good signal place
<b>platform shows device not activated after first installation</b>	Main power supply connected correct or not	Do not connect to the main control line of the vehicle
	SIM inserted not correct	Check the SIM card
	Check LED status	Check if the indicator is blinking or steady
	SIM without GPRS activated or SIM	Please contact carrier to activate

	card out of charge.	GPRS or charge
	Ip and port not correct (can check by SMS command)	Revise the ip and port by SMS command
<b>Platform map shows incorrect location</b>	GPS not locate	Please go to outdoor place where GPS signal is good
	Vehicle did not move after installation	Please drive the vehicle on the road
	ACC connected or not	Connect the device and turn on ACC
<b>Platform shows the main power disconnect</b>	Poor power supply connection	Check whether the power supply line of the device connected correct or not
<b>Platform shows device offline</b>	SIM card out of charge, or GPRS was canceled	Please check your SIM card
	Weak signal area	Please try again at good signal area

# Warranty card



Special statements:

1. If there is any technical modification for this product in the future, no further notice.
2. If the appearance or color of the product were changed, please refer to real product.
3. The warranty card is only applicable to product with IMEI number listed as below.
4. Please keep this card in good condition. Please present this card and the original purchase receipt when you apply warranty.
5. Please refer to the table below for the warranty range.

**This card is the basic proof of the warranty. Please fill in the card carefully and keep it in good condition.**

User Name		Telephone Number	
Address			
Model No.		IMEI	
Purchasing Date		Commercial invoice No.	
Seller Name			
Seller Add			
Seller Tel			
<ol style="list-style-type: none"><li>1. One year from the date of purchase, the non-human damage failure is guaranteed for one year;</li><li>2. Any of the following conditions is not covered by the warranty, but can be repaired if you pay the cost<ol style="list-style-type: none"><li>(1) Exceeding the warranty period;</li><li>(2) Damage caused by unauthorized disassembly or repair without the authorization of our company;</li><li>(3) immersed in water and the circuit board was burnt;</li><li>(4) Damage caused by improper installation, use, maintenance or storage;</li><li>(5) damage of outer casing caused by the improper use;</li><li>(6) The IMEI number of the product is torn or blurred;</li><li>(7) The warranty card and product model No. not match, or the warranty card was altered;</li><li>(8) Damage caused by force majeure.</li></ol></li></ol>			