

GPS Tracker

Installation Manual

Thanks for using GPS TRACKER, please read this manual carefully before installing the vehicle terminal. Please check the contents of the box carefully before installation, if there is anything missing, please contact the dealer immediately; Dealers have the right to modify and improve the products described in this manual without prior notice;At the same time, it reserves the right to revise or withdraw this manual at any time.This is the product manual for the general version of the wired GPS tracker, and the functions are subject to the functions of the actual device.If there are any words in this manual that are not detailed, please consult the agent or seller in time;

Noted: This product is only used for vehicle monitoring and anti-theft use, and it is prohibited to be used for illegal purposes, otherwise all legal responsibilities arising therefrom shall be borne by the user!

1 Product Function Parameters

1.1 Functions :

Configuration	Functions
2PIN	Voltage detection, AGPS fast positioning tracking,electronic fence alarm, overspeed alarm, multiple positioning
4PIN	Voltage detection, AGPS fast positioning tracking,electronic fence, power failure alarm, vibration alarm, displacement alarm, low power alarm, remotely cut off oil and power, overspeed alarm, multiple positioning
5PIN	Voltage detection, AGPS fast positioning tracking,electronic fence, power failure alarm, vibration alarm, displacement alarm, low power alarm, remotely cut off oil and power, overspeed alarm, multiple positioning, plug-proof
8PIN	Voltage detection, AGPS fast positioning tracking,electronic fence, power failure alarm, vibration alarm, displacement alarm, remotely cut off oil and electric-ity, low battery alarm,overspeed alarm, SOS button, voice monitoring, multiple positioning

1.2 Performance Parameters :

Project	Function name	Project function description
Electric- al char- acteris- tics	Power supply	Battery powered
	Working voltage range	9V – 90VDC
	Working current	12V/average 30mA
	Sleep current	12V/average 5mA
	Built-in battery capacity	3.7V polymer battery (acco-rding to different product requirements)

Enviro- nmental charac- teristics	range of working temperature	-20℃ – 75℃
	storage temperat- ure range	-30℃ – 80℃
Positioni- ng time	Working Humidity Range	10%-85% RH non-condensing
	Hot Start	≤10sec (open sky)
	Cold start	≤45sec (open sky)
Accuracy	---	≤10 meters
Communicat- ion freque- ncy band Note: Match according to the actual equipment standard.	GSM/2G	850/900/1800/1900MHz
	LTE/4G	LTE-FDD:B1/B3/B5/B8 TDD-LTE:B34,B38,B39,B40,B41

Important note: This product only supports installation and use within the voltage tolerance range, and all consequences caused by illegal installation and use outside the voltage tolerance range shall be borne by the user!

2 Light Status

2.1 Product Line Connection :

State	Meaning
Red	Positive (9-90VDC)
Black	negative electrode
Orange	ACC ON position
Yellow	Relay

White	Anti-plug
MIC	Access MIC line
SOS	Access to SOS line

2.2.1 Red LED (power indicator) :

Light status	Meaning
Slow flash	Equipment is normal
Always on	Device is charging
Not bright	Device failure or hibernation

2.2.2 Yellow LED (network signal light) :

Light status	Meaning
Flash	Network signal initialization
Slow flash	Network signal reception is normal
Not bright	No network signal found or dormant

2.2.3 Blue LED (GPS signal light) :

Light status	Meaning
Flash	GPS signal search
Slow flash	GPS is located
Not brigh	No GPS signal found or dormancy

3 Installation Instructions

3.1 Preparations before installation:

- ① Open the packing box and check whether the device model is correct and whether the accessories are complete, otherwise please contact your dealer;
- ② SIM card selection, the terminal needs to insert a GPRS network signal SIM card
- ③ SIM card installation, put the SIM card chip down into the card slot, and insert the SIM card in the correct direction

Note:

- (1) Before installing or taking out the SIM card, please cut off the power ;
- (2) SIM card needs to open GPRS function;
- (3) SIM card needs to activate the caller ID function; (choose to activate or not to activate according to the function required by the customer)
- (4) If your SIM card is enabled and requires you to enter the SIM PIN, please refer to your mobile phone user manual to disable the function of entering the SIM PIN;
- (5) Please ensure that the SIM card has tariff.

3.2 Installation

The installation method of GPS is recommended to be concealed installation. The hidden installation of the equipment is recommended to be installed by a professional organization designated by the dealer. Pay attention to the following items:

- ① Concealed installation, pay attention to waterproof;
- ② Avoid putting it together with the emission source, such as reversing radar, anti-theft device and other vehicle communication equipment;
- ③ The device has a built-in network antenna. When installing, ensure that the receiving surface of the GPS antenna (the surface without a label is the GPS antenna surface) is upward(facing the sky), and there is no metal shield above it.

Recommended installation location:

- (1) The hidden place in the decorative frame under the front windshield of the car;
- (2) The hidden place 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 inside the center pillar;
- (5) In the dashboard of electric vehicles/motorcycles or in hidden places under the back seat.

car installation diagram :

Best installation location:

Under the front windshield, under the steering wheel, and above the glove box, please ensure that the front is facing upward when installing



Alternative installation location:
Trunk (not recommended), please pay attention to make the front face up

Motorcycle installation diagram:

Best installation location :
Inside the headlight cover, near the stopwatch, Please pay attention to face up and not covered by metal objects, and pay attention to waterproof measures.



Best installation location :
Inside the taillight or inside the plastic parts, Please pay attention to ensure the front face up and not covered by metal objects,and note the waterproof measures.◦

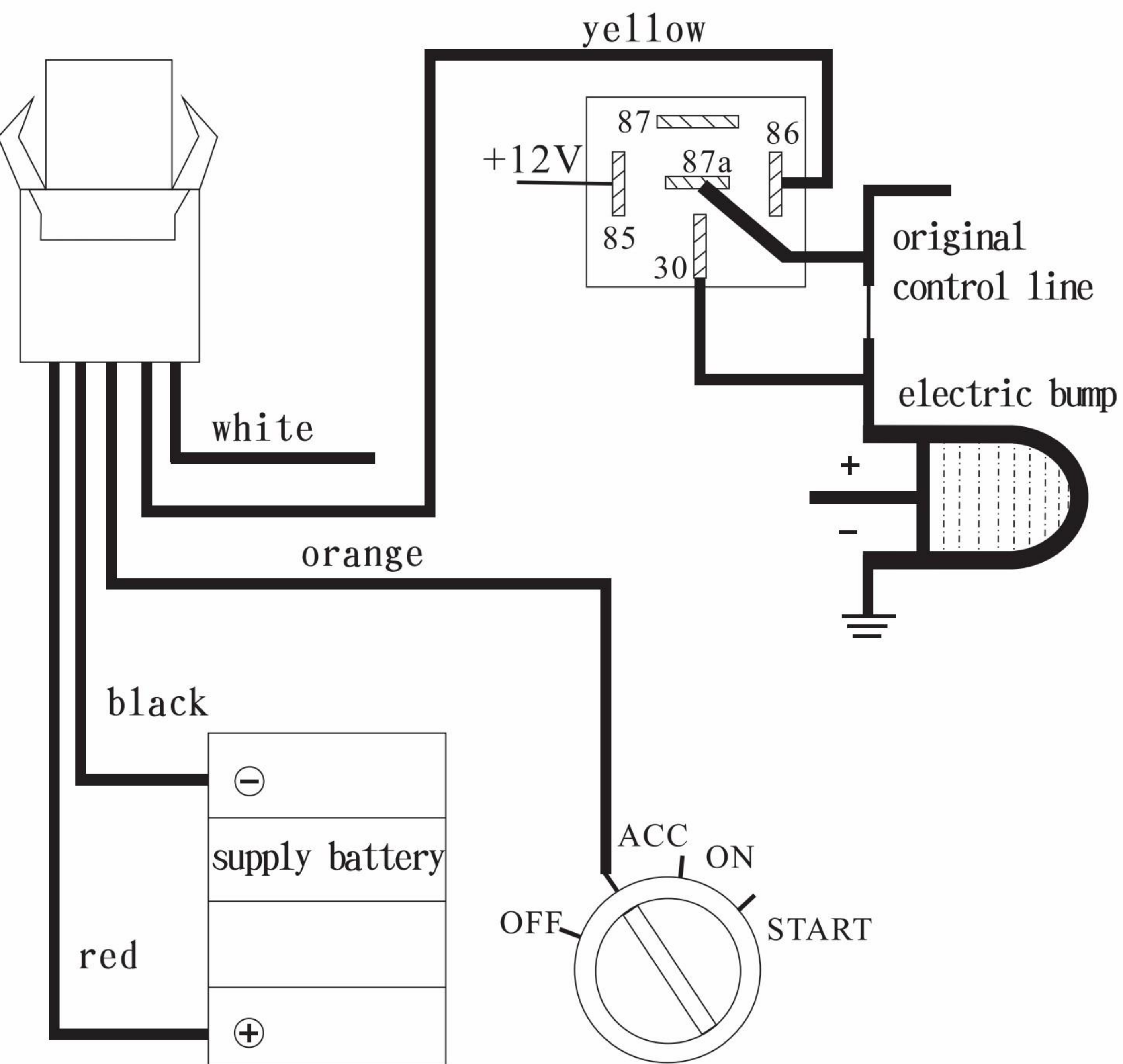
Installed inside the taillight or under the seat

Installed inside the front cover (best location)



Installed under the pedals (best location)

4 Wiring Diagram



5 Precautions for Equipment Wiring

- ①Select the power cord provided by the original factory, the red wire is connected to the positive pole of the battery (+), and the black wire is connected to the negative pole of the battery (-). When installing, please choose the negative pole of the power supply to be grounded or grounded separately, and don't connect with other ground wires;
- ②The power input line interface is connected to the positive and negative terminals of the power supply (the positive and negative terminals cannot be reversed)
- ③The orange line connects to the ACC line on the bus
- ④ Yellow wire connects to relay

- ⑤White line: By detecting the low signal of the device signal, it is used to judge the plug-in status of the device
- ⑥Installation: When installing, the GPS antenna should be facing the sky, and the top of the installation position must be a place where it doesn't be shielded by substances that do not absorb electromagnetic waves (such as metal and explosion-proof heat insulation film).

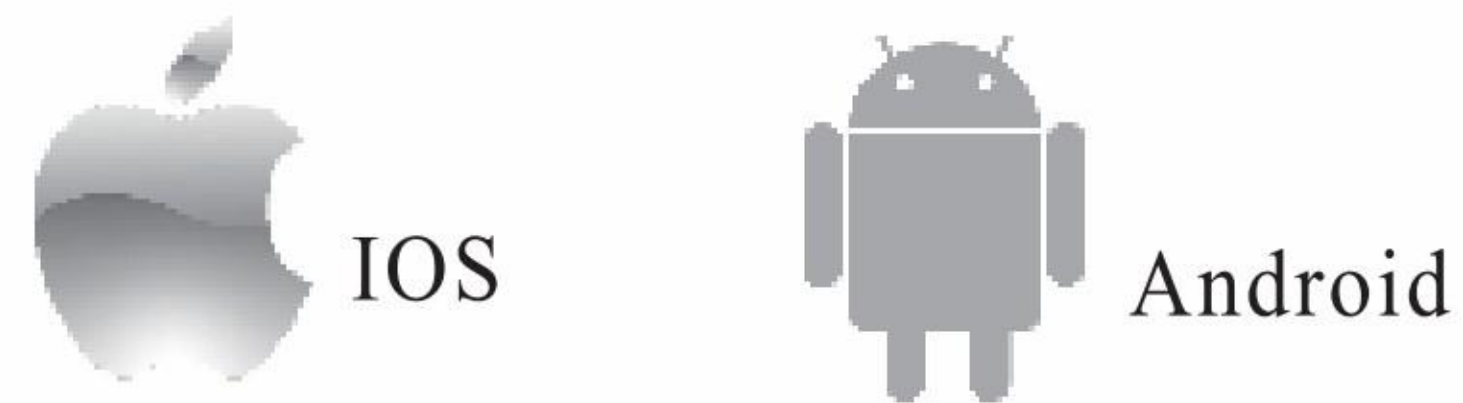
6 Log in to the platform

6.1 Log in to the location service platform

Please log in to the service platform designated by the dealer to perform corresponding settings and functional operations.
Default login account: IMEI number (see sticker)
Default login password: 123456

6.2 下载手机客户端

Please log in to the website designated by the dealer to download the mobile phone client software and install it.



7 Troubleshooting

7.1 After the terminal is installed for the first time, it has been unable to connect to the background server, and the background display is not online. Please check terminal installation:

When operating the terminal, if you feel abnormal, please refer to the following problems and solutions; if the problem still cannot be solved, please contact the dealer.

Common problem	Problem occurred	Solution
Poor signal reception	When using the terminal in areas with poor reception, such as near tall buildings or underground parking lots, radio waves cannot be transmitted effectively	Use the terminal in a location with good signal place
The first installation platform display Not Enabled	The SIM card is not installed	Check sim card
	LED Status	Check to see if the light is flashing or always on
	The SIM card has not activated the GPRS function	Please contact the service provider to open GPRS
Platform map display incorrect location	GPS is not fixed	Please locate in an open place outside
	After the terminal is installed, the vehicle is stationary	Take the car to the road for a few laps
Platform shows offline	SIM card arrears or canceled GPRS	Please check SIM card status
	Weak signal in dropout area	Please go to a place with strong signal and try again

8 FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.