

**GPS tracker**  
**Manual V2.0**



Please read the instructions carefully before use for correct and quick operation.  
Product appearance, color and accessories are subject to change without notice!

# Chapter 1 Product Introduction

## 1.1. Product features

Speeding alarm, Beidou/GPS+LBS positioning, electronic fence, power-down alarm (optional)

## 1.2. Working environment

GSM: GSM850/900/1800/1900Mhz GPRS: Class 12, TCP/IP positioning accuracy: <10 meters

Positioning time: average hot start: ≤2sec (open sky)

Average cold start: ≤32sec (open sky)

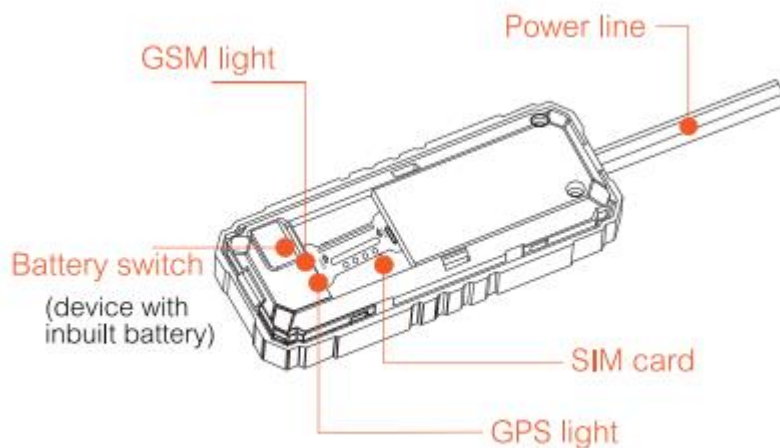
Working voltage/current: 9V-36V DC/32mA (12VDC)

Product weight: 28g

Body size: 74 (L) × 26 (W) × 12 (H) mm

Working temperature: -20°C to +70°C

## 1.3. Product appearance icon description



### ① LED light work instructionsSatellite positioning signal status

Blue light meaning	Blue light meaning
Fast flashing Positioning signal searching	Fast flashing Positioning signal searching
Long bright positioned	Long bright positioned
Not lit Sleeping or not working	Not lit Sleeping or not working

### ② GSM Signal status

Yellow and green light meaning	Yellow and green light meaning
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Flashing web searching	Flashing web searching
Slow flashing network signal is normal	Slow flashing network signal is normal
Steady on Calling/Online	Steady on Calling/Online
No light SIM card not inserted	No light SIM card not inserted

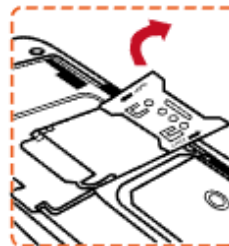
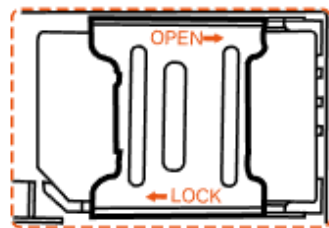
Note: By default, when the terminal is stationary for 5 minutes, The LED light will automatically go out and wake up after shaking.

## Chapter 2 Installation Instructions

### 2.1. Install the SIM card

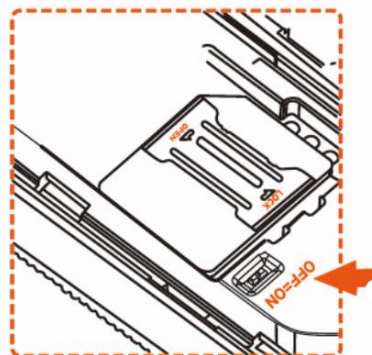
The first step, insert the SIM card (must shut down before installing or removing the SIM card)

① Open the SIM card cover in the "OPEN" direction and insert the SIM card in the correct direction. Finally, push the card cover to the "LOCK" direction to lock the SIM card cover tightly.



### Power on/off

① Power on: Open the upper cover as shown in the figure, and turn the backup battery switch to the ON position. At this time, the terminal is powered on with the backup battery, and then connected to the external power supply, the power indicator lights up and the internal battery is charged.



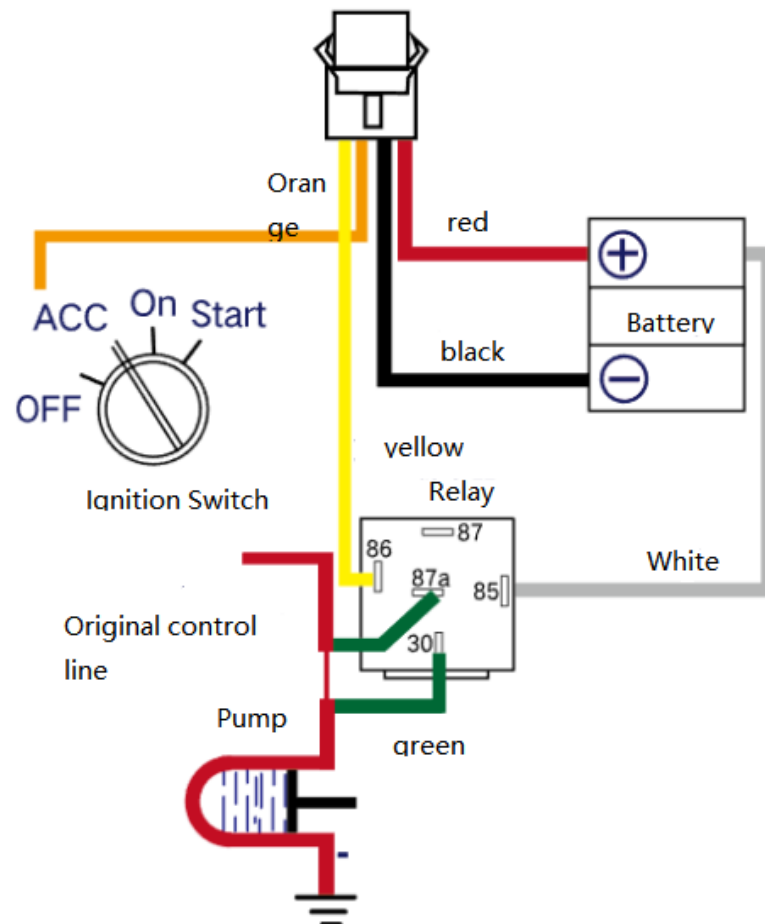
Device without battery

No such battery switch

② Disconnect the external power supply and turn the backup battery switch to the OFF position, and the terminal will shut down. After shutting down, the power indicator will go out and the internal battery will stop charging.

③ The device without battery does not have a battery switch, and it needs to be connected to an external power source to turn it on.

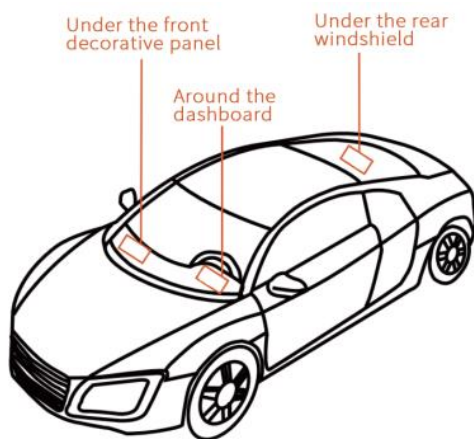
2.2. Wiring method (by default, only the positive and negative poles of the red and black wires are available, and the orange and yellow wires are optional)



### 2.3. Suggested installation diagram

This terminal is a high-tech satellite positioning product. It is recommended that you choose professional units and personnel designated by the dealer for installation and debugging.

The recommended installation location is as follows:



Note:

1. The product installation should face up to the sky;
2. If the windshield is pasted with a metal heat insulation layer or heating layer, it will reduce the signal strength of the satellite, which may make the satellite difficult to locate. Please change the terminal installation position

## Chapter 3 Device Application Operation

Log in to the mobile phone client designated by the dealer or bind the terminal to the location service platform to query and set terminal-related parameters.

3.1. Log in to the designated location service platform for corresponding settings and functional operations.

Default login account: SN number (see sticker or consultation platform party),  
default login password for consultation platform party

3.2. Download the mobile client: Please log in to the dealer's designated website to download the mobile client software for installation.

## Chapter 4 Description of Common Functions

#### **4.1 Report location information regularly**

The terminal regularly reports the location information to the platform in a hybrid way of satellite positioning and LBS. If the car is parked and not used for a long time, the terminal will go to sleep. RestDo not upload location information during sleep, vibration can wake up the terminal

#### **4.2 Mileage statistics**

If the platform display mileage is not consistent with the car odometer, you can edit the platform. The initial mileage of the terminal is synchronized with the mileage of the car. GPS mileage statistics are for reference only.

#### **4.3 Alarm function**

Alarm method: 1. Platform 2. Platform + APP.

#### **4.4 electronic fence**

An area can be set as the electronic fence range through the platform. When vehicles enter/exit. When the area is set, the terminal will trigger the corresponding alarm when the set conditions are met. Check-in platform.

#### **4.5 Overspeed alarm threshold**

By default, the terminal's overspeed alarm function is disabled. Can be set via platform or SMS. Vehicle speed limit threshold, when the vehicle's driving speed within the set time is greater than the speed threshold. When, an overspeed alarm occurs.

#### **4.6 Remote restart**

When an exception occurs and the terminal needs to be restarted, the platform or SMS command can be remotely controlled. Restart the terminal (SMS command: RESET#)

## Common 5 troubleshooting

When the operating terminal has the following faults, please refer to the following troubleshooting solutions, such as if you still can't solve the problem, please sell to youBusiness or service provider !

common problem	Fault description	solution
Bad positioning signal	Using terminals in places with poor reception, such as under high buildings or basements, cannot effectively receive satellite radio waves.	Use in areas with good signal terminal
	The terminal is placed upside down or blocked by a metal material layer, and cannot receive satellite radio waves.	Put it in the correct direction or replace Installation location
Can not boot	low battery	Connect external power and charge the battery
	Fuse blown	Contact the dealer to replace the same regulations Grid type fuse
Unable to connect to the network	SIM card not installed	Check the SIM card and reinstall
	Dirt on the metal surface of the SIM card	Please wipe with a clean cloth
	Damaged or invalid SIM card	Please replace a valid SIM card
	Out of GSM service area	Please move to the network service provider service area
	weak signal	Please move to a place with strong signal and try again
Can't find location information	SIM card does not open GRPS business	Please contact the network service provider Open GPRS service
	SIM card arrears	Recharge fee

## Terminal after-sales warranty terms

## 1. Special statement

- (1). If there are any technical changes to this product in the future, we will not notify you.
- (2). If the appearance and color of the product are changed, the actual product shall prevail.
- (3). Please take good care of this warranty card, and please show this card and the original purchase receipt during warranty.

## 2. Warranty regulations

- (1) Since the date of purchase, non-human damage failures enjoy one-year warranty service.
- (2) In one of the following situations, it is not covered by the warranty, but repairs can be paid for.
  - 1). Exceed the warranty period;
  - 2). No "warranty service card" certificate or missing valid bills;
  - 3). The terminal and accessories have exceeded the warranty period;
  - 4). Product quality problems caused by unauthorized repairs, collisions, liquid ingress, accidents, alterations, incorrect input voltage, or tearing up and altering labels, terminal IMEI numbers, anti-counterfeiting marks, etc.;
  - 5). Failure to comply with the requirements of the product manual, damage caused by incorrect installation or use;
  - 6). Damage caused by force majeure such as fire, flood, lightning strike, etc.;
  - 7). The warranty certificate does not match the product model or the warranty certificate has been altered;
  - 8). Damage caused by force majeure.



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.

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

**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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.