



Shenzhen Qianfeng Communication Equipment Co., Limited

ADD.:Room 412 Building #1 Youchuang Space Qunhui Rd. No.1 Baoan District Shenzhen 518101

WEB.: www.qianfengtek.com TEL.:+86 755 2330 0250

Magnetic GPS Tracker

Instruction Manual

Product model: QH406

Version number: V1.0



Please read this instruction manual carefully before using the product and keep it in a safe place.



Warning

1. Please pay attention to be waterproof for electronic products. Do not contact the equipment with the liquid, or operate with wet hands.

2.  Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer or service operator where the product was purchased. They can take this product for environmental safe recycling.

3.

Part Name	Hazardous Substances or element					
	Pb	Hg	Cd	CR(VI)	PBB	PBDE
Cabinet assembly	○	○	○	○	○	○
Cable assembly	○	○	○	○	○	○
Lithium battery	×	○	○	○	○	○
Plastic and polymer	○	○	○	○	○	○
Metal part	○	○	○	○	○	○

O: It indicates that content of toxic and hazardous substance in all homogeneous material are less than specified limit by Directive2011/65/EU (RoHS).

×: It indicates that at least one content of toxic and hazardous substance in all homogeneous material is beyond specified.

This table shows the toxic and hazardous substance when manufacture this device, hazardous substance information is based on information from supplier as well as internal inspection. In some part, hazardous substance cannot be replaced with current technologies, but Qianfeng is always doing its best to improve the quality of the product.



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I.Product appearance and accessories



Temperature sensing equipment



Temperature and humidity equipment

II.Product Introduction

This product is based on GSM/GPRS network and GPS satellite positioning system . It can remotely locate or monitor the target through the Internet . It is the most technologically advanced GPS and AGPS dual positioning system with built-in large-capacity military battery, ultra-long standby, installation-free + strong magnetic adsorption portable GPS locator, and deep sleep to prevent detection radar scanning .

III.Application areas and Product Features

1. Application areas

- Car rental/small fleet management
- Temperature and humidity monitoring of cold chain vehicles
- Precious logistics transportation



- Pharmaceutical and food transportation
- Container leasing

2. Product Features

- Support 4G global frequency band (suitable for export to various countries around the world)
- Support global satellite multi-mode positioning
- Multiple working modes can be set , flexible and power saving
- Platform SMS transparent transmission function (suitable for dealer after-sales maintenance)
- High and low temperature alarm
- Temperature blind zone supplementary reporting
- Real-time positioning
- Real-time temperature monitoring
- Temperature curve, report export
- History Replay
- GPS Positioning
- Portable equipment/no installation required

IV.Specifications

content	Specification
size	104*55*25 mm
weight	260g
network	4G/2G



Network frequency band	LTE-BAND:1/2/3/4/5/7/8/12/13/18/19/20/25/26/28/66/34/38/39/40/41 GSM:850/900/1800/1900
GPS Sensitivity	-161 dBm
GPS accuracy	Within 5 meters (in 3D positioning mode)
First start time	Cold start 45 -120 seconds Warm start 35 seconds Hot start 1 second
Battery	Rechargeable 3.7V 12 000mAh
Standby time	60 days
Temperature detection range	-40 °C - 80 °C (Accuracy: 0.5°)
Stored temperature	-40°C to +85°C
Operating temperature	-40 ° C to + 80 °C
Humidity	5%--95% non-condensing

V.Equipment startup

The SIM card correctly and wait until the indicator light comes on before you can set the SMS command.

Green indicator light: GPRS

Condition	state
Flash	GSM/GPRS is normal
Always on	No GPRS signal
Green light is off	Machine failure or hibernation

Blue indicator light: GPS

Condition	state
Flash	GPS OK
Always on	No GPS signal
Blue light is off	Machine failure or hibernation

After 10 to 40 seconds, the device will search for GSM and GPS signals and start working normally. In a stationary state, the device will enter sleep mode after 5 minutes and the indicator light will turn off .

Multiple working modes can be set , flexible and power saving

1. Schedule upload. (Off by default)



Alarm setting: tempclock123456,hhss

hhss: daily scheduled wake-up time, 0 time zone

Off: notempclock123456

For example, if the device is used in the East 8 zone, you need to set the time at 9:00, 10:00, 11:00, and 12:00 in the morning.

The instruction is: tempclock123456,0100,0200,0300,0400

Support up to 4 alarms

Alarm mode: after setting the alarm mode, close other intervals to upload data, and only use the alarm mode to automatically wake up and upload data. For example, if you set it at 6 pm, it will wake up on time at 6 pm to upload a piece of data, and then sleep, and the alarm will wake up additionally.

2. Temperature change wake-up function. (Default off)

Temperature change value setting: tempchange123456,A

A: Range 1-50

Close: notempchange123456

You can define a range, such as a variable per unit time, and the default value is an empirical value. It is recommended to set 3

For example, if the actual value obtained by the device is compared with the previous value and is 3 degrees higher or lower than the previous value, an upload is triggered.

3. Upload time interval can be set. (Default is off)

Interval setting: temprun123456,A

A: Range 1-24, unit: hours

Close: notemprun123456

It can be set, the more commonly used ones are 2 hours, 4 hours, and 6 hours.

4. The device can set the alarm threshold. (Default is off)

Temperature alarm setting: tempset123456,A,B

A: Lowest temperature, -40-70 B: Highest temperature, -40-70

Close: notempset123456

You can set the device temperature alarm threshold. When the temperature exceeds a constant range, an alarm message will be uploaded. The rest of the time, you can upload normally.



VI. Monitoring service platform

Users can log in to the service platform to check the vehicle's location, temperature and humidity status, etc. and perform corresponding operations.

Platform operation:

1.Mobile APP:



1) Android APP: Open the platform website: www.gpscj.com , scan the APP QR code to download the APP, or use the mobile browser to open the website www.gpscj.com to download directly

2) Apple APP: Scan the QR code to download the APP

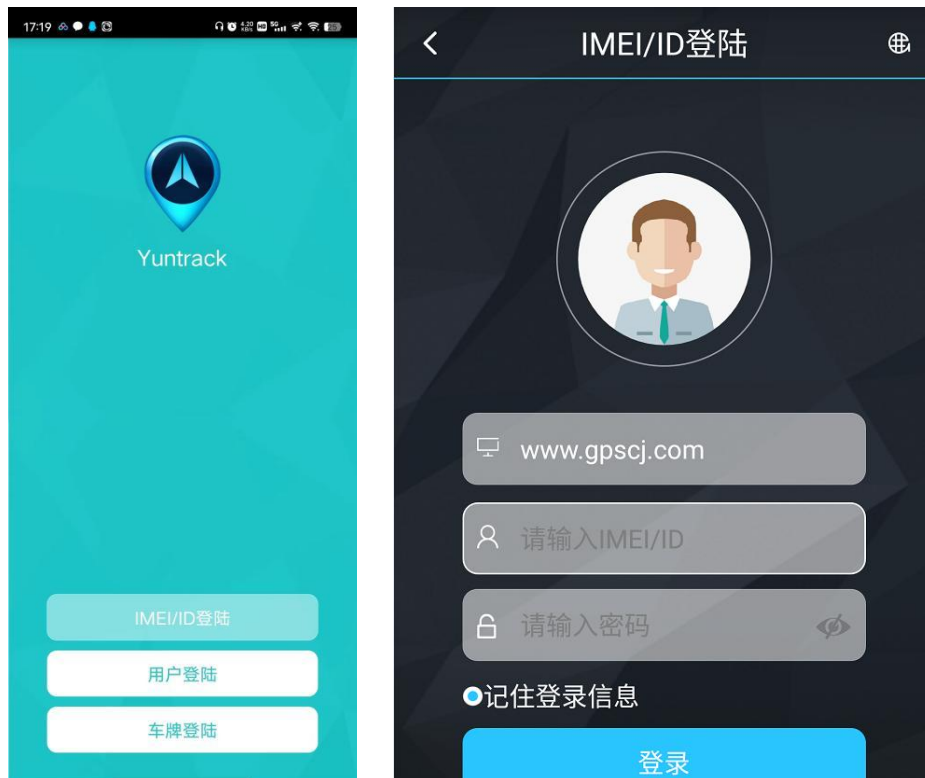
Download - Install - Open, as shown in the figure (multiple login methods are available, and user name login requires contacting the superior dealer to create a user before logging in)



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3) Enter the device ID number in the second box, enter the platform login password in the third box (default is 123456), click Remember login information (do not enter it again in the future), and then click Login, as shown in the figure



2. Website platform:

1) Open the website www.gpscj.com, select the language, and click on the



license plate/ID number , as shown in the figure

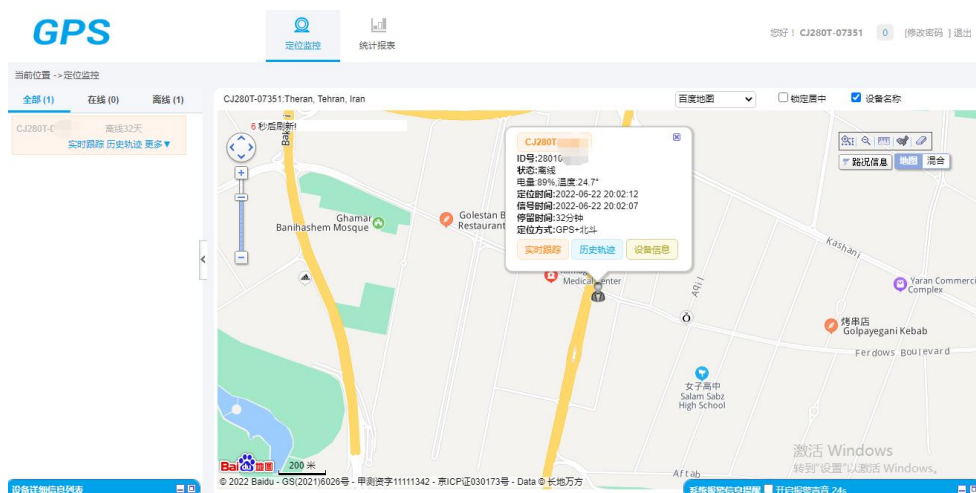


2)Enter the ID number on the device , and then enter the password (default 123456), as shown in the figure



Note: This login (account and password) is the same as the APP

3)Click GO to log in, as shown in the figure





VII. Notes

Please follow the following instructions when using:

- 1). Keep the device in a dry environment. A humid environment can easily damage the internal circuit.
- 2). Please do not place it in an excessively hot or cold place.
- 3). Please do not vibrate the device violently during use.
- 4). If dirty, please clean it with a dry cloth, do not use chemicals or detergents.
- 5). Please do not paint the device, which may cause internal circuit failure.
- 6). Do not disassemble the equipment.
- 7). Please use the battery and charger configured by the manufacturer. Using other batteries and chargers may cause some malfunctions.
- 8). Do not insert or remove the SIM card at will to avoid it getting stuck. Gently

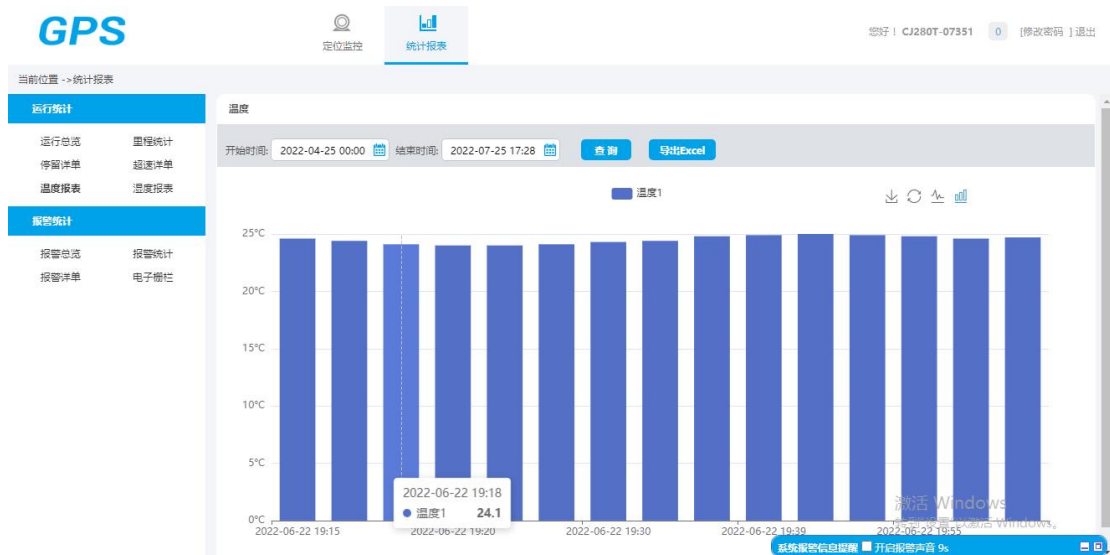
Fault	Solution
Unable to start	Please check if the battery is fully charged or inserted correctly.
Not online	1. Check if the SIM card is installed correctly 2. Is the power switch on? 3. Check the LED indicator status, please refer to the indicator light description 4. Check the IP port, please consult the supplier for details
Platform offline	1. Dial the SIM card number of the device and check whether the call is normal 2. Is the device in a basement or other place without GSM network signal coverage? 3. Is the SIM card in arrears? 4. Is the GPRS traffic normal?

push the card down, half-open means turning off the phone. Do not take out the entire card.



VIII.About the curve report generation document

1. Report statistics, select temperature report, select time, and generate report.



2. Report statistics, select humidity report, select time, and generate report.





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Certification: CE

Country of Origin: Made in China