



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: QH410

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.

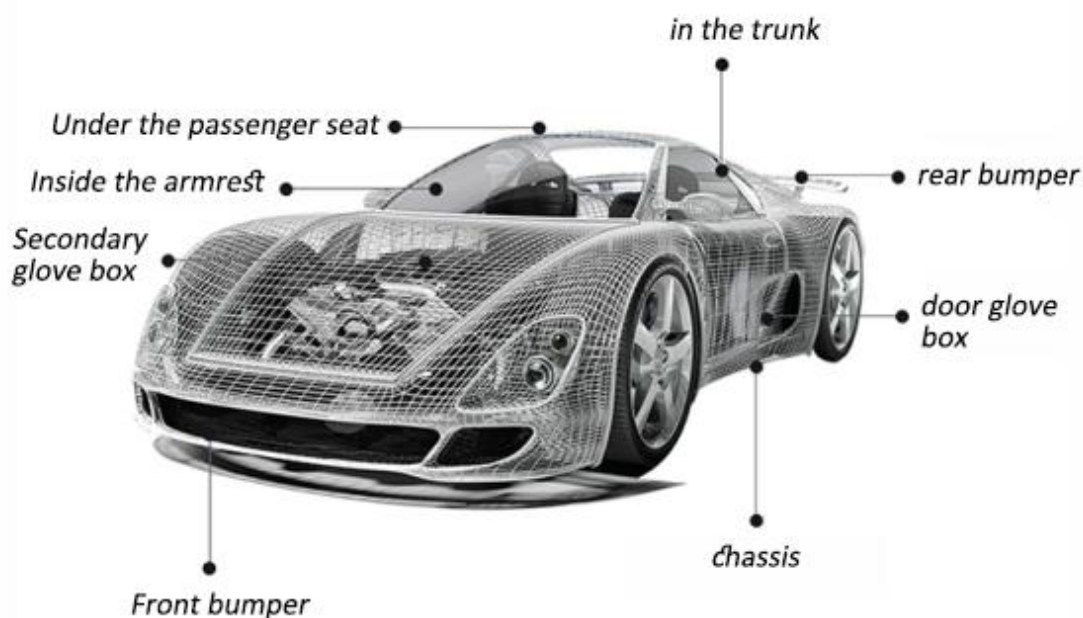


CATALOG

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I. Product installation instructions



II. Product parameters

Specification content	Specifications parameters
Dimension	48mm * 32mm * 20mm
Weight	38g
Built-in battery	3.7V 1200mAh
charging voltage	DC 3.4V~4.5V
GPS Chip	AT6558
GSM/GPRS module	SIMCOM A7670SA

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Working temperature	-20°C to +45°C
Storage temperature	-40°C to +60°C
Humidity	5%--95% non-condensing
Sensor	Precision vibration sensor
Frequency band Four	2G/4G
GPRS	Class2,TCP/IP build in GSM Module
Root mean square error	S degree
Maximum output power	GSM 850/900:33.0±2dbm GSM 1800/1900:30.0±2dbm
Dynamic output range	-15~-108dbm
Receiving sensitivity	-107dbm
Maximum frequency error	±0.1ppm
Tracking Sensitivity	-161dBm
Positioning accuracy	<5m
First positioning time	Cold Start: 45-120s; Warm Start: 35s; Hot Start: 1s
GSM antenna	built-in
GPS antenna	built-in
LED indicator	power, indicating status
Transmission protocol	TCP
Power detection	upload alarm information when the main power is disconnected
Data reporting	Update GPS data in real time and support customer customization
Electronic fence	TBD
Driving behavior detection	the vehicle speed exceeds the set speed, upload overspeed alarm



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GPS data	real-time positioning update
Vibration alarm	Vibration report of vehicles in fortified state

III. Basic product functions

Content	Function	Explain
Locate function	Regular tracking	Positioning information such as latitude and longitude according to the set interval time.
	Street view map	360 ° No dead corner HD map
	Over-speed alarm	When speeding, the locator will send an alarm to your phone
	Shock alarm	Built-in vibration sensor, the vehicle has continuous vibration, the equipment immediately sends an alarm prompt
	Electronic fence	If the car travels beyond the prescribed area, an alarm information will be sent to the platform
	Historical trajectory	You can play back 365 driving days, replay the speed at that time, direction stay time and other content
	Displace alarm	When the vehicle encounters illegal operation or theft, it can be remotely cut off through the computer or mobile phone APP
	Fleet management	One phone can manage multiple devices, or one device for multiple phones



IV. Indicator Light Description

Red light - charging indicator

Light status	Meaning
Always on	Charging
Off	Charging/Power off

Green light-GPRS indicator

Light status	Meaning
Flash	GSM/GPRS normal
Always on	No GPRS signal
Off	GPRS sleep/shutdown

Blue light - GPS indicator

Light status	Meaning
Flash	GPS normal
Always on	No GPS signal
Off	GPS/BDS is in sleep mode/shutdown

V. SMS Commands

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
APN	apn+123456+apn content	apn ok
	apnuser+123456+space+content	apnuser ok
	apnpasswd+123456+space+content	apnpasswd ok
IP&Port	adminip+123456+space+ip+space+port	adminip ok



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	SZCS,123456,DOMAIN=113.98.254.179:7700	OK! Domain=113.98.254.179:7700
domain name	SZCS,123456,DOMAIN=d.gpscj.com 7700	OK! Domain=d.gpscj.com 7700
parameter query	param1	Software version, ID, IP, port, domain name, APN
device status	status	Battery: 6 GPRS: Normal/Abnormal GSM: Strong/Good/Fair/Poor GPS: A/V ACC: On/Off Gas Power: On/Off External Power: Normal/Interrupted



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Model: QH410

Manufacturer: Shenzhen Qianfeng Communication Equipment Co., Limited

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Certification: CE

Country of Origin: Made in China