Pet GPS tracker

Thanks for choosing the smart GPS trackers produced by ReachFar Technology Co, Ltd

This operation manual will help you be familiar with the use of our GPS tracking device. Please read carefully before use!

Important, please attention :

1. Due to external factors all GPS devices have position error, the position provided by this device is just for your reference .
2. There may be delays caused by telecom operators at certain circumstance. Our company doesn't assume any loss caused by the delay .

Main Feature：

- WCDMA 3G + GSM +Wifi Global Locating
- Waterproof grade IP66
- Smart rolling LED light on/off according to surroundings
- WiFi safety zone ,30m indoors accuracy
- Tracking via Website / APP/ Wechat / SMS
- Trajectory playback / Geo-fence
- Voice monitor &Low battery reminders

Accessories：

- 1* GPS anti-lost host
- 1* USB Magnetic charging cable
- 1* Back splint charger
- 1* User manual

Product View：

Product specification：

2G GSM network：850/900/1800/1900MHz
3G WCDMA network: 1700/2100MHz Or 850/2100MHz
GPRS Standard: Class 12, TCP/IP
GPS locating time：30sec with cold boot (open sky)
29sec with warm boot (open sky)
5sec with hot boot (open sky)
GPS positioning accuracy：10-15m (open sky)
Wifi positioning accuracy: 0-30m (wifi covered area)
Working temperature：-20℃ ~ +45℃
Working humidity：5% ~ 95% RH
Host size：56*60*15mm
Host weight：45g
Battery：700mA

Instructions

Step 1. Prepare for work :

The GPS positioning function of this device request to choose 3G WCDMA network-based Micro-SIM card (same as Iphone4) and please be sure the GPRS data traffic and Caller ID functions have been activated, and close the PIN code function.

Step 2. Host power on /off :

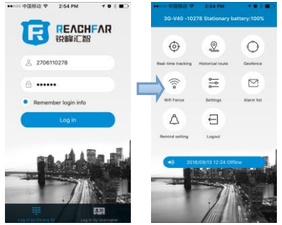
1. Please insert the Micro-SIM card into the card slot as directed.
2. Press the POWER key for 3-5sec, then the tracker lights on. (Blue and Red)
3. In the state of power-on ,press power button for 3 times ,the front blue and red lights fast flash 3 times and off, then the device shutdown.

Indicator light instructions：

Light color	Function	Slow flash	Fast flash	Close
Blue -left 2	GPS indicator	locating	success	sleeping
Red-left 3	GSM indicator	network searching	success	sleeping

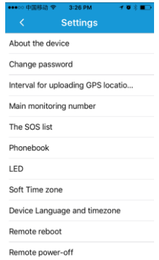
1. GPS indicator and GSM indicator lights：
2. Four smart rolling LED light with tri-colors : when the environment gets dark, LED flash on automatically. Wearer's activity status becomes easier to be observed.

Step 3. APP banding and function setting：



1. Scan the QR code on manual cover or search **Reachfar** in iOS store &Google play store to install the APP.
2. Enter the 10-figures ID number on the back of the device.The original password is "123456", click log in,and enter App, as shown in picture above:

- **Real -time tracking：** Show the latest location of the device: Click update location information to see relevant information.
- **Historical route :** Display historical route in certain period of the device: You can check any day in previous 90 days' historical route.You can choose whether to filter out LBS location data.(note:LBS means the location data indoors, error is large)
- **Geo-fence :** Add ,check or cancel Geo-fence area: When the device moves into or out of the Geo-fence, the location platform will send an alert to App.(Note:we suggest to set the radius of Geo-fence over 100 meters to reduce false alerts.)
- **Wifi-fence：**Set 2 WiFi safe zones,when wearer leaves safe WiFi zones,the App will alert you.
- **Setting :** Set parameters of the device(make sure that the device is online,otherwise the command can not be sent to the device.)as shown in photo on the right:



1.**About the device :** Check and edit information of the device.

2. **Change password：**Change log in password of the website platform and App.

3. **Interval for uploading GPS location :** Adjust the time interval of GPS uploading location.The shorter time interval is, the more accurate the location is, meanwhile, the standby time is shorter. We suggest every 10 minutes or every hour uploading location.If you are tracking targets,adjust to every 30sec uploading location,when target found,turn back to 10 minutes or 1 hour to keep longer standby time.

4.**Main monitoring number :** The master number can send command and receive alarm.

5.**The white list and phonebook :** Only the phone numbers on white list or phonebook can call the phone number of the device for monitoring **.**

6.**Sensor lights :** When the environment gets dark, LED light flashes automatically, the wearer will be easier to be found.(factory setting shut down the LED lights to save standby time)

7.**Time zone of software：**This is for APP time , users can set it according to local time zone.

8.**Device languages:** The device's alarm SMS languages includes Chinese and English so far.

9.**Remote reboot:** Power on the device via APP

10.**Remote power-off：** Power off the device via APP.(once conduct remote power-off, users will be not able to remote power-on it. Please be cautious to use the function.)

- **Device message:** A list shows alert information sent by the device.
- **Alarm reminders：**Whether receive the pushed alert information from APP.
- **Log out :** Log out the APP, and never get the alarm reminders via APP.

For more details of APP and platform functions**,** please visit our website: www.rfgsm.net .

SMS commands:

All command should be written in lowercase letters, without any blank space and end with "#".
Command for setting master number :
"pw,123456,center,number#"
For example : pw,123456,center,180********#
The tracker will reply : 180******** has been set as the master number successfully.
Special tip:The setting of other sms comands can be set only by the master number.(A form of more sms setting can be found in the end of this manual.)

Remark：

- Please use the tracker in the place where network signal is strong.
- The new device needs to be charged for 2 hours before use.During use of the device, please fully charge and discharge it at least once every 3 months to avoid battery life reduction.
- Standby time : 1) Upload location data every 10 minutes ,the standby time is 60 hours ,talking time is 4 hours (Actual test) ; 2) Turn off APP and web platform function, the standby time is about 10 days. Note: Above test data is base on the status of strong GSM network.
- After you insert the SIM card and charge the device, please put back the rubber plug into the hole, or it will affect waterproof effect.
- This product has waterproof grade IP66, but it is still not suitable for dipping in the water or being worn while swimming.
- Please do not open the host yourself,or it will affect the waterproof function and lose the warranty rights.

FAQ :

Q: My GPS tracker can make calls and send messages, but the APP shows "not enable"

A: There are several reasons as follow:
1. GPRS data plan service hasn't been activated yet;
2. Turn off GPS tracking
3. Send "dsp#" to check the GPS tracker current GSM signal, if the GSM signal is not strong, GPRS will be affected firstly, next is the text, last is the voice communication.
In brief, the GPRS signal is weak, the situation is like the one when we can make a call but can not visit a webpage;
4. Please set APN as follows：
1) Set master number first,the SMS command is "pw,123456,center,your phone number#"
2) Please try to find the apn data from the SIM card's official website and then send the SMS command as follow: "apn,apndata#"
3) If the APN needs user's name and password, for example: the user's name is "cm", password is "123", then the SMS command is "apn,apndate,cm,123,,#";
4) If you get a reply, then restart the device.
5) If the APP still shows "not enable", please call the telecom operator to get the APN data.
P.S: APN reference website: http://wiki.apnchanger.org/

Q: After white list set,voice monitoring is unavailable.

A: If the SOS master number is group cornet number with the number of GPS device,enter group cornet number when binding number, and make sure the SIM card of the device has Caller ID display function.

Q: Device shows online, but it shows"wait for the device responses"when you set comand with APP.

A: a. Device signal is not strong, result in GPRS data blocked;
b. Device is busy in talking online.

The SMS command list:

Command	Function
pw,123456,center,number#	Set master number
factory#	Delete all number , restore factory default
gprsgps,0#	Close gps positioning,only GSM standby
gprsgps,1#	Open gps positioning(default)
lsn,0#	Close LED Smart rolling LED light
lsn,1#	Open LED Smart rolling LED light (default)
lz,0,8#	Change the SMS language to English, the first digital is for language,1 is Chinese,0 is English.the second digital is for timezone.
url#	Check the location.
reboot#	Remote restart GPS host
apn,apndata,username, password,plmncode#	Configure the apn setting

FCC RF Exposure Information and Statement

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: GPS trakcer / (FCC ID: 2AJ5OV40) has also been tested against this SAR limit. SAR information on this and other pad can be viewed on-line at http://www.fcc.gov/oet/ea/fccid/. Please use the device FCC ID number for search. This device was tested for typical body-worn operations with device kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

FCC Warning

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.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.