User Guide

GPS Tracking Device

Product Overview

Thank you for purchasing portable GPS tracker.It's for monitoring and protecting people and property with built-in U-blox GPS and GSM/GPRS technology.It also with 1200mAh backup rechargeable battery.

Accessories:

1X Device
1X USB charge cable
1X User Guide
1X Guarantee Card

Hardware Specification:

Content	Specs.
Mainframe Dimension	86*55*6mm
Net weight	40g
GSM frequencies	850/900/1800/1900Mhz
GPRS	Class12,TCP/IP
GPS chip	UBLOX G7020
Voltage range	3.6-4.2VDC
Standby Current	≤2mAh
GPS locating time	cold start=38s warm start=32s hot start=2s
GPS Accuracy	≤ 10m
GPS sensitivity	-159DB
Work environment temperature	-40℃+80℃
Work environment humidity	20%-80%RH
Battery	Chargeable 3.7v 1200mAh

SIM Card Installation

※Micro SIM card (12*15mm)

※The SIM card is not included in the package, Any SIM card which support GSM 2G can work and be available from the user's local operator.

※Before installing the SIM card,please check if the SIM card has PIN code or not,if yes,please use a cell-phone to unlock the card's PIN code. And make sure it's activated with credits.

Device Charging

For the first time use,please fully charge the battery for around 2-3 hours with the USB charger.

Turn on the device by Inserting Card

Please insert the SIM card in the right direction. You will see the indicator light sparkles,then turn off.That means the SIM card inserted successfully.

After normal turn-on, the platform will upload position in 10 minutes and you can log on the website for checking.

Led indicator:

Solid blue	SIM card inserted wrongly
Flashing blue	Searching GPS signal
Blue off	Start to work
Red on	Charging the battery
Red off	Full charging

Configuration and Operation by SMS

1.To Set the Center Number

Command: CENTER,000000,phone number#

NOTE:The letters or symbols should be English and the letters should be in capital.

Example:CENTER,000000,123456789#

※Using your mobile phone,send the above command to the phone number of the device,it will reply: Center OK!

※To delete this number,you can send :CENTER,000000,0# to the phone number of the device.

2.GPRS Setting

In order to use the GPRS function,the user needs to setup the APN by sending SMS command.

--what is APN? Access Point name(APN) is the name used to identify a general packet radio service (GPRS) bearer service in the GSM mobile network. The APN defines the type of service that is provided in the packet data connection.

※Make sure that the SIM card in the tracker supports the GPRS function.

※The APN can be acquired from your local GSM operators.

Command: APN,APN information,user name,password#

Note:Some APN without user name and password,so please leave it blank.

For example: APN,internet,123,456# (with the user name and password)

APN,internet# (without the user name and password) ※ please set it up when the device can not connect with the web platform or the APP.

※After sending the command,it will reply:APN OK!

3.Set up the SMS Language

Command:LANG,0# (English)

LANG,1# (Chinese)

※The default language is Chinese.

※This is to set up the language of SMS reply content.

※after sending the command,it will reply:LANG OK!

4.Location request

4.1 Reply with coordinates and web link Command:URL#

The device will reply:the IMEI No,the date,the time,the map link,the longitude and latitude

Example:3568xxxxxxx2219<01-03 14:59:43>

http://maps.google.com/maps?q=N22.669534,E114.011888

※Put the coordinates to Google earth or Google maps,click on search button,then you will find the position.

※Click on the link then the location can be shown directly on Google Map on your mobile phone.

5.Vibration Alarm

Command: VA,ON# (turn on this function)

VA,OFF# (turn off this function)

※Please moving the device after 5minutes,then you will get a message reply: vibration alarm, please note!

※This function is off by default setting.

※After sending the command,it will reply:VA OK!

6.Over-Speed Alert

Command: OS,80# (80 is the set-up speed)

OS,OFF# (turn off this function)

※this is to turn on/off the over-speed alarm,speed unit:km/h

※speed range:30-180km

※this function is off by default setting.

※after sending the command,it will reply:OS OK!

7.Change the way of alarm

Command:MC,1# (alarm by sms)

Command:MC,2# (alarm by calling)

Command:MC,3# (alarm by sms and calling)

Command:MC,0# (turn off all the way of alarm)

※this is used to change the way of alarm of vibration and over-speed.

8.Listen-in (Voice Monitoring)

※ Please call the mobile number in the device, then you can hear what is happening aroud the tracker.

※ If you want to turn off this function, please send SMS command:XX,0#※

※ If you want to turn on this function, please send SMS command:XX,1# ,then

please call the mobile number after getting the auto-reply: JT ON!

9.Checking Settings Command:ST#

※The device will reply:

IMEI：888xxxxxxxx888

MC：1(Alarm mode)

VA：0 (Vibration alarm on/ff)

OS: 0 （Over speed alarm on/off）

LA：0（Light perception alarm on/off）

HBT：10 (Heartbeat packet time)

LANG： 1（language）

GMT：E8 (time zone)

Command:QP#

※The device will reply :

IMEI:3568XXXXXXXX90

APN:cmnet

IP:b.gps903.net/7700

LMT,0#

CENTER:

SOC4：0

GSM:100

GPS:FIXED

BAT:3.9

10.Reboot device Command:RESET#

※The device will restart itself without changing any settings.

11.Initialization Command:RFS#

※This is to make all settings back to the factory default,except the IP.

※Only the center number has the right to operate.

※please caution to use.

12.Working Modes

Command:WKMD,2# (super-long standby mode)

WKMD,1# (power-saving mode)

WKMD,0# (safe mode) ※ the default mode is safe mode.

※ Super-long standby mode:The platform only work when you send a SMS command to get the location,this is the most power-saving.

※ Power-saving mode:The platform only upload LBS location and the location precise varies according to the cities where it is located . It is purely power-saving.

※Safe mode:The platform will upload GPS location with high precision in real time. But it is very power-consuming.

13.Set up data upload time interval

Command:WKMD,0#20#

※WKMD,0# represents the safe mode

※time can be from 20s to 120s. The time must be a multiple of 10.

※the default is 20s ※after sending the command,it will reply:WKMD,0:OK!

14.SOS Alarm

Command:SK,1# (Alarm on)

Command:SK,0# (Alarm off)

※Press the SOS in 3seconds,it will call the authorized number.

※After the first operation,please wait at least 3minutes to test again,otherwise it won't work.

How to Connect Device to the Platform for real time tracking via GPRS

Check through PC

Web Platform : www.gps903.net (International)

Account: Device IMEI (at the back of the device cover)

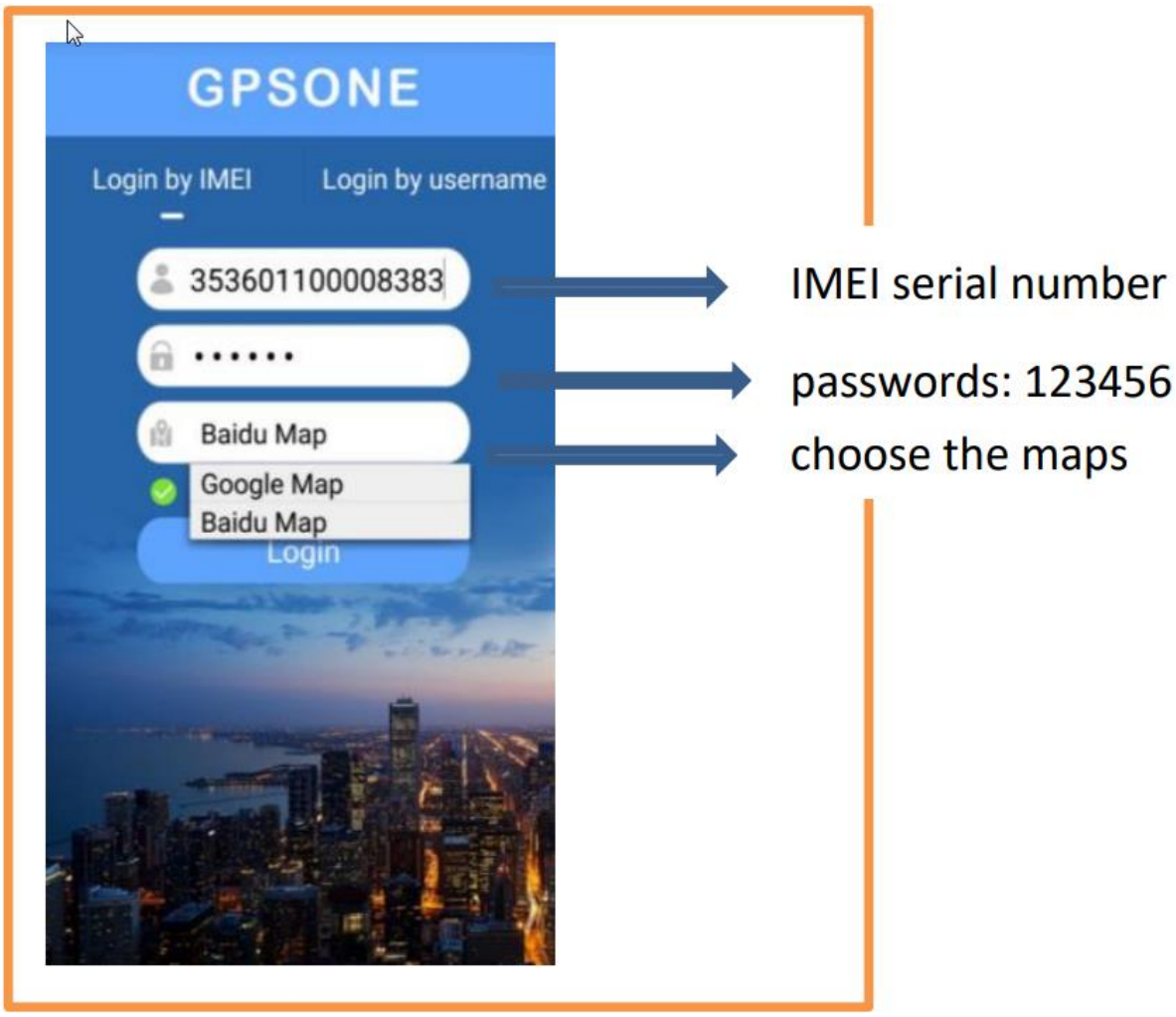
Original passwords: 123456

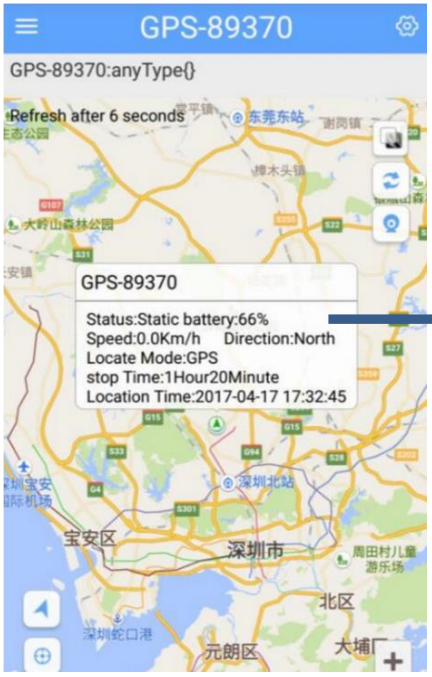
Operations of APP in a Cellular Phone

APP NAME: GPSONE

※please search it in the IOS app store or Google play store or scan the QR code from the web platform

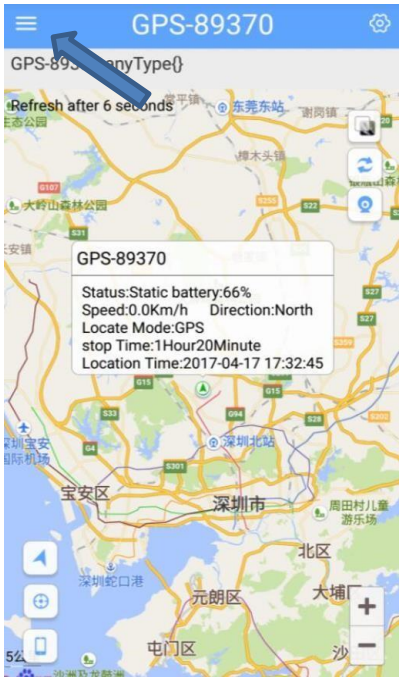
※please login the app as following:

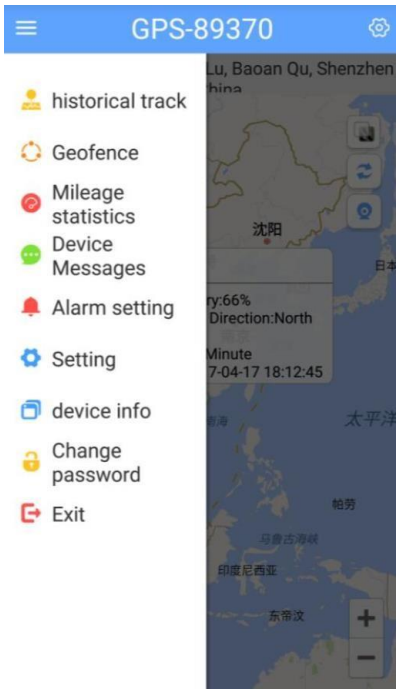


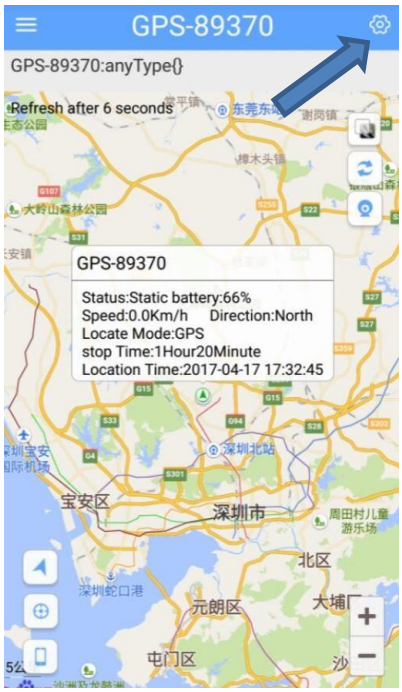


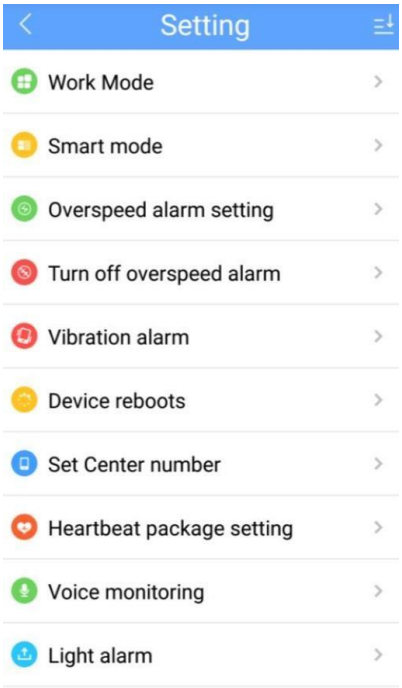
More functions are available after log-in

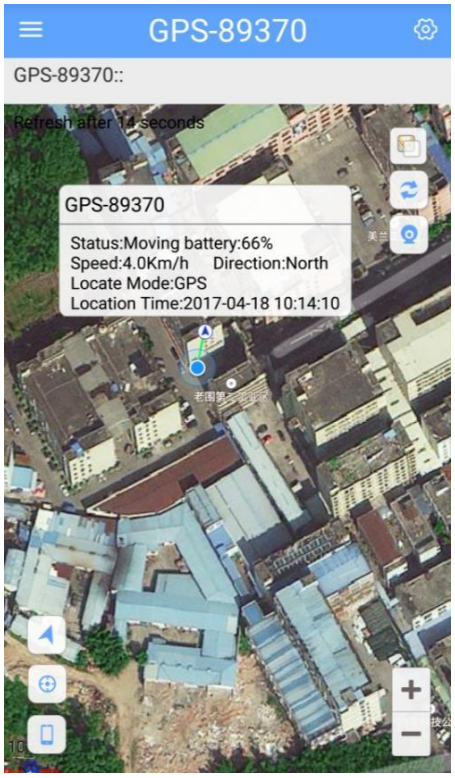
The remaining battery (FYR)

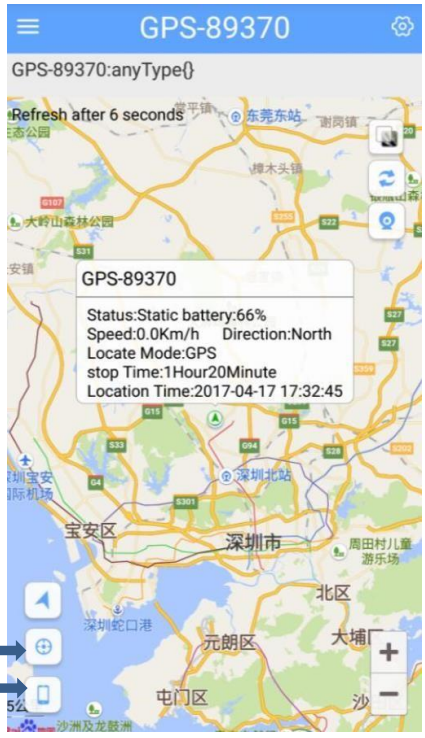

GPS-89370
Refresh after 6 seconds
GPS-89370
Status:Static battery:66%
Speed:0.0Km/h Direction:North
Locate Mode:GPS
stop Time:1Hour20Minute
Location Time:2017-04-17 17:32:45


GPS-89370
historical track
Geofence
Mileage statistics
Device Messages
Alarm setting
Setting
device info
Change password
Exit


GPS-89370
GPS-89370:anyType{}
Refresh after 6 seconds
GPS-89370
Status:Static battery:66%
Speed:0.0Km/h Direction:North
Locate Mode:GPS
stop Time:1Hour20Minute
Location Time:2017-04-17 17:32:45


Setting
Work Mode
Smart mode
Overspeed alarm setting
Turn off overspeed alarm
Vibration alarm
Device reboots
Set Center number
Heartbeat package setting
Voice monitoring
Light alarm





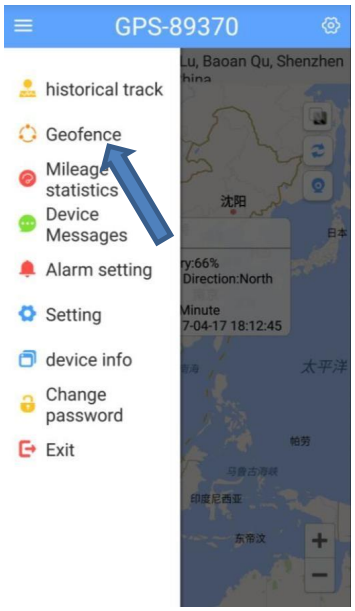
Click to get the device's location

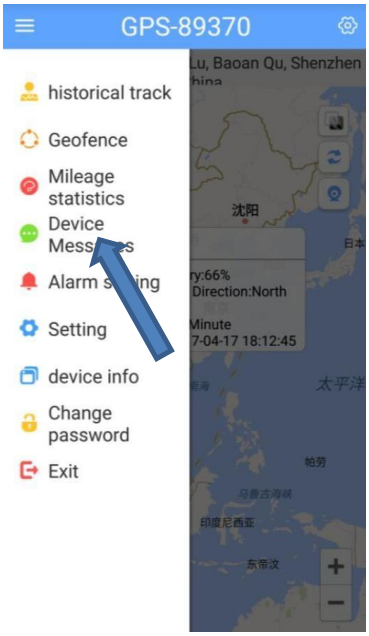
Click to get the Cellular's location

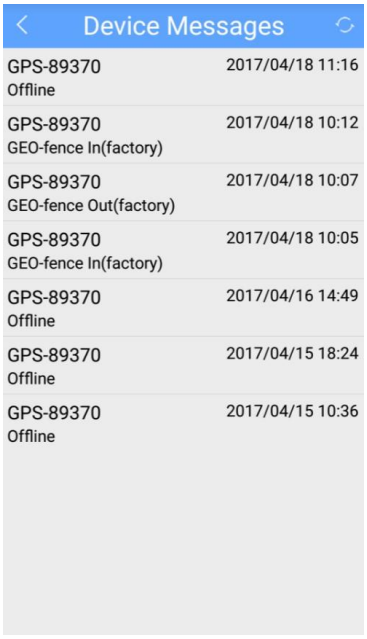
Note:Only when there is a certain distance between the phone and the GPS device,the location will show up respectively.

Geo Fence

An electronic fence can be set up after log-in APP or PC. Then you can check the messages from the device messages.







Cautions:

Please comply with the instructions to extend the unit life:

1.Don’t use & store the unit in dusty places.

2.Don’t put the unit in overheated or over cooled places.

3.Clear the unit with a piece of dry cloth. Don’t Clean in chemicals,detergent.

4.Don’t disassemble or refit the unit.

5.Using other batteries will cause unwanted situation.