

# GSM/GPRS/GPS TRACKER MANUAL



## Preface

Thank you for purchasing the tracker. This manual shows how to operate the device smoothly and correctly. Make sure to read this manual carefully before using this product. Please note that specification and information are subject to changes without prior notice in this manual. Any change will be integrated in the latest release. The manufacturer assumes no responsibility for any errors or omissions in this document.

## 1. Summary

Working Based on existing GSM/GPRS network and GPS satellites, this product can locate and monitor any remote targets by SMS or internet.

Content	Specs
Dim.	70*48*16mm
Weight	40g
Network	GSM/WCDMA
Band	UC15-E 900/2100MHz@UMTS 900/1800MHz@GSM UC15-A 850/1900MHz@UMTS 850/900/1800/1900MHz@GSM
GSM chip	UC15EA AA
GPS chip	Ublox 7020
GPS sensitivity	-159dBm
GPS accuracy	5m
Time To First Fix	Cold status 45s Warm status 35s Hot status 1s
Work voltage	5V
Battery	Chargeable changeable 3.7V 1000mAh Li-ion battery
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +55°C

## Main functions

- GSM quad-band frequency;
- Real time tracking by SMS/GPRS/ 3G WCDMA;
- Low battery alarm;
- Geo-fence alarm ;
- move alarm
- SOS alarm ;
- monitor
- Vibration alarm
- Add Smart sleep save power Mode
- Add GPX history route record, can thereal-time view in Google map
- Add AGPS function, receive GPS signals faster
- Add 3G WCDMA, can use all over the world
- Add built-in storage memory
- patented product

## 2.Led indicator status



<b>LED INDICATOR STATUS</b>	<b>MEANING</b>
RED LED continuously work	Charging
RED LED not lit	Fully charged
Green LED Flashing	Success get GSM signal
Green LED continuously lit	Searching GSM signal
Blue LED quickly flashing	Searching gps signal
Blue LED slowly falshing	Success get gps signal

### **3. Notices:**

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1).GPS tracking can be worked outdoor. Must have mobile phone signal and have GPS singal, can block GPS satellite signal when there are metal or building above the GPS tracker

2).Please make sure SIM card supports making calls, sending messages, GPRS network.have money

3).make sure the SIM card has opened the call shows and turned off the call transfer.

4).Please insert the SIM card correctly. Cancel the PIN code

5).Do not assembly and disassembly device at will.

Choose a SIM card



## Quick using

3.1 Put the SIM card into the as picture shows.



3.2 pls take the device to outdoor and the front of device towards sky ,move device to receive gps singnal. Beause indoor has no gps signal

3.3 Use mobile phone call the device and hang up or sending message

“smslink123456” to sim card in tracker ,tracker Will reply positioning information

```
lat:22.57397
long:113.88373
speed:000.1
T:06/30/14 08:26
http://maps.google.com/maps?f=q&q=22.57397,113.88373&z=16
```

Picture (1) have gps signal

```
last:
lat:22.57385
long:113.88371
speed:002.5
T:06/28/14 11:58
http://maps.google.com/maps?f=q&q=22.57385,113.88371&z=16
now:
lac:9349
cid:3593
mcc=460
mnc=002
```

Picture (2) no gps signal

## **Pic(1): Replied real-time tracking information under GPS satellites signal.**

◆ **Lat:22.67533 Ion:114.03913** Positioning of the latitude and longitude values.

◆ **Spd: 000.1** This refers to the device moving speed. The unit is km/h.

◆ **T:06/14/17 09:14** real-tracking time, the Default is London time. You can set a time zone by sms command

**Google Link:** This is the link to the Google map showing the position of the device.

## **Pic( 2) : Replied last time position information. Now is LBS position information. no gps signal**

◆ **smcc:27a4 1223:** Real-time LBS data.

◆ **Time:08/00/00** LBS positioning time.

If you receive positioning information is picture 2, please go out the outdoor and Walk around with gps tracker,for receive The satellite signal

## **4.Command instruction**

### **NOTE:**

1)Device default password:123456)

2)use of mobile phones send messages to the tracker about all set command

3) The “+” in the command, please don't type “+”, space means press the space keyboard on your cell phone

4)After admin number setting, all alarm message will send authorization number other cell-phone number send command will not reply

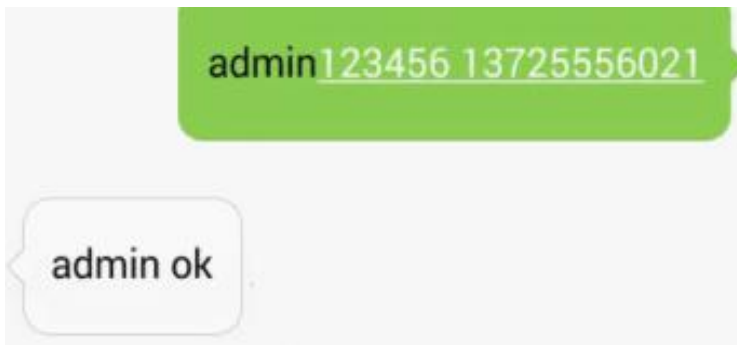
5) If you want standby time longer, pls don't open move alarm, and platform for real-time location tracking.etc

### **4.1 Admin number setting: (support 5pcs admin number )**

Command: [admin123456+space+ phone number](#) ( This phone number is your own mobile phone number , not the mobile number in tracker .)

Reply: [admin ok](#)

E.g: [admin123456 13725556021](#)



**Note:** support 5pcs admin number , Set the first authorization number,then use use the first authorization number to set other authorization number,  
If the authorization number forget or lost, you can send [reset123456](#) to Restore the factory Settings

### Admin number Canceling:

Command : [noadmin123456 13725556021](#)

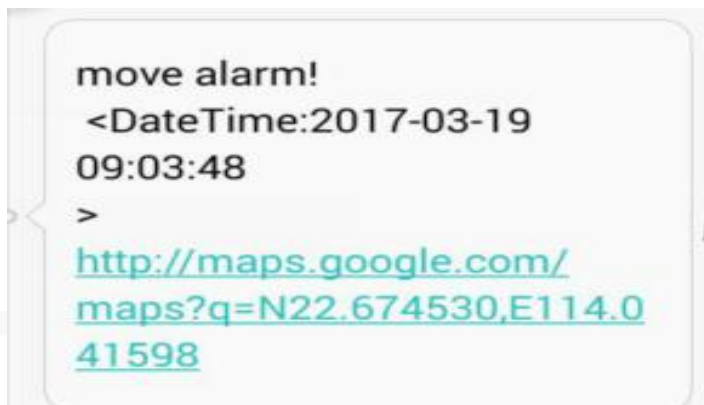
Reply: [noadmin ok](#)

**4.2 move Alarm setting** (It works only in getting gps signal, the scope is a circle that radius 200meters)

Command: [move123456](#)

Reply: [move ok](#)

E.g:



### move alarm Canceling:

Command: [nomove123456](#)

Reply: [nomove ok](#)

### 4.3 Low battery alarm

When GPS device battery is Less than 30%, it will send SMS:[low battery+Ge-info](#)

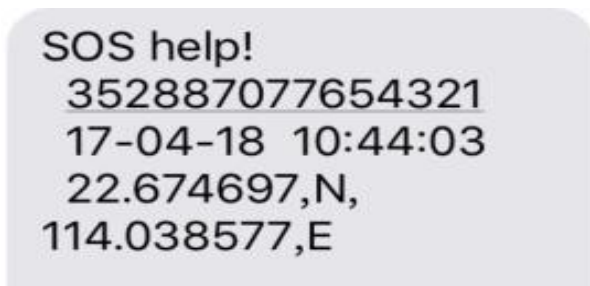
alarm, at 3 minutes interval.

**Canceling low battery alarm:** send “[low battery](#)” to the tracker.

#### 4.4. SOS help setting

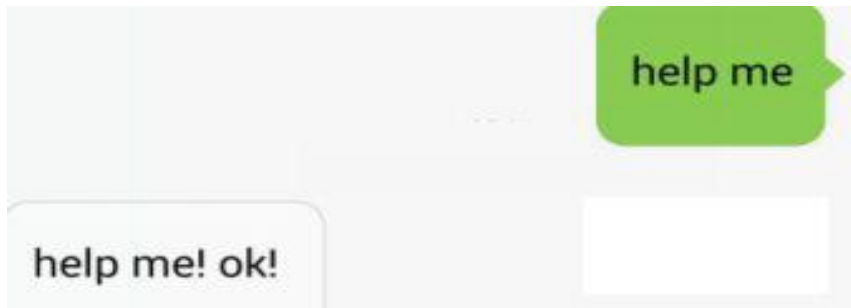
Long Press the SOS button for 3 seconds, the tracker will send SMS “SOS HELP!+lat./long.” to all the authorized numbers

E.g:



**Canceling sos setting** : Command: “[help me](#)”

E.g:



#### 4.5 Monitor setting

The default mode is “tracker” (Tracker mode).

Send SMS “[monitor+password](#)” to the unit, switch to “monitor” mode. then use your mobile call the device sim card, Can listen to the voices around device

E.g:



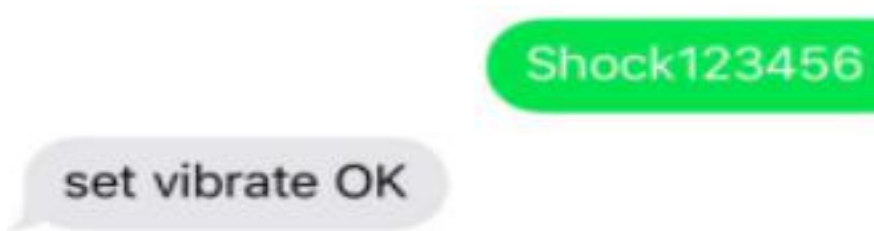


**Monitor Canceling** Send SMS “[tracker123456](#)” to the unit, switch to “tracker” mode

#### 4.6. Set Vibration alarm

Command : “[shock+password](#)” to the device,it will start effective

After 5mins of static ,when the sensor is triggered ,and will send send Vibrate alarm+latitude&longitude”



**canceling Vibration alarm:**

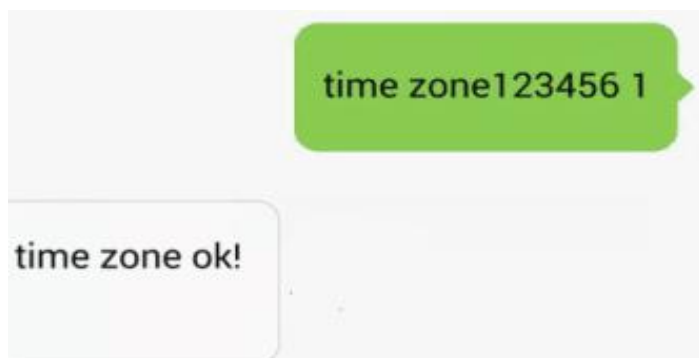
Command: “[noshock+password](#)”

#### 4.7 Terminal (local) Time Setting (factory setting GMT 0)

Command : [time zone123456 local time zone](#)

Reply : [time ok!](#)

E.g :



NOTE:( 1 is east 1, - 1 is west 1, 30 is half the time zone)

#### 4.8 Reset Hardware

Command : [reset123456](#)

Reply : [reset ok](#)

## 4.9 Change the password

Command: [password123456 888888](#)

Reply :password OK

Note: 123456 is the old password(default ),888888 is the new password,it must the 6 digits Arabic numerals

## 5.0 State Checking

Send SMS:"[check+password](#)" to the tracker device, it will reply the recent status via SMS as: GSM: 100% GPS: OK/NO GPRS: ON/OFF battery: 100%.

Remark: GPS NO, only mean there are no GPS position request.

### 5.1 change IMEI number

Command: [imei123456+space +new imei number](#)

E.G: [setimei123456 352887076633221](#)

### 5.2 change Time upload interval( default 10s)

Command : [t030s\\*\\*\\*n123456](#)

Reply: [t030\\*\\*\\*n ok](#)

(030 s is every 30 seconds send data to platform)

### 5.2 Add GPX history route record

First you have to insert TF card in the device

Send SMS: "[gpx+password](#)" to tracker,it will reply : "[gpx ok](#)" ,

then send SMS: "[t001m\\*\\*\\*n+password](#)" ,it will reply : "[tn ok](#)"

Cancel gpx function ; send SMS : [notn+password](#)" it will reply: [notn ok](#)"

then send SMS: [nogpx+password](#) ,it will reply [nogpx ok](#). Then auto enter SMS mode.

Check the gpx data in google earth map :

Take out the TF card from device and connect with computer, copy the GPX file to computer,then open the google earth map,then use goolge earth map open the gpx file,you will see the route in the map.(you can download google earth map app in the network )

NOTE: after set succeeded GPX function,call device will not reply the google link ,and stop send data to server.

## **6. If you need real-time tracking by APP or websit ,pls Operating as follows**

NOTE:If you need a platform position, please use phone send “[gprs123456](#)” to device

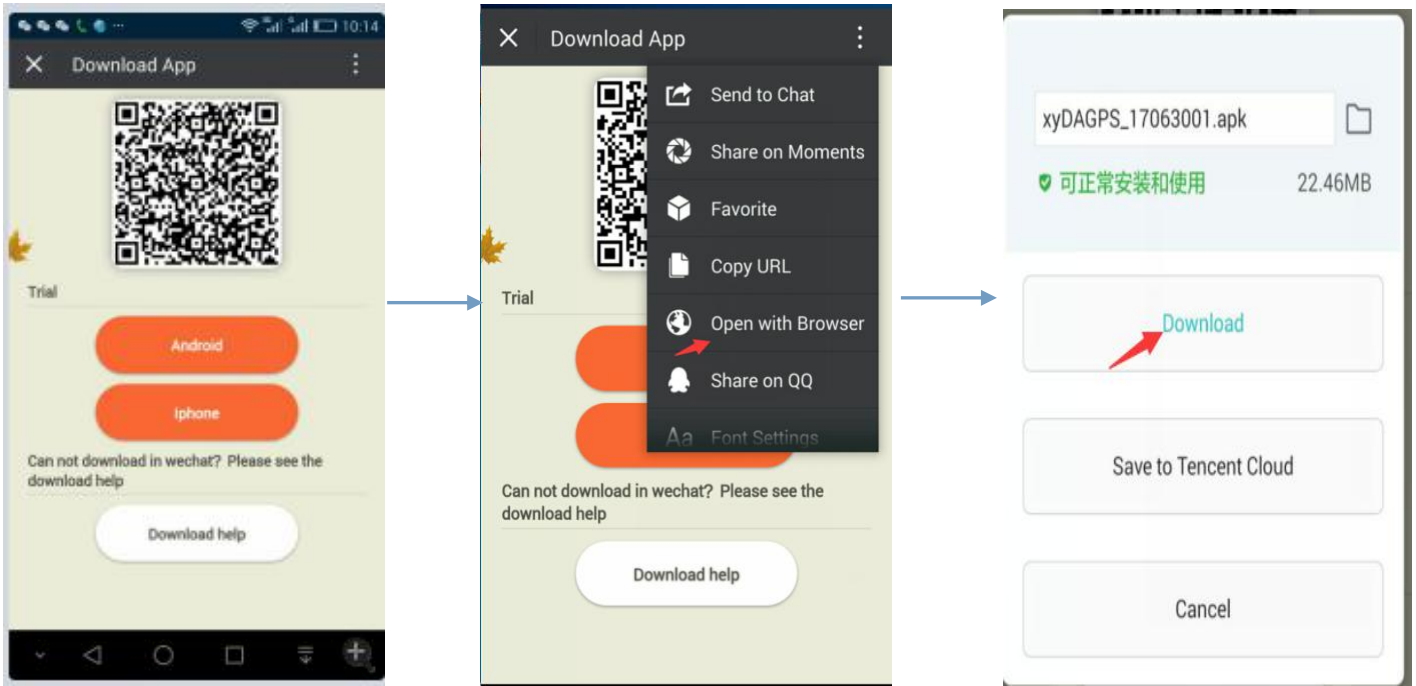
### **1):Suport Andriod & IOS APP tracking**



**If you need real-time tracking by APP ,please scan APP on web platform**

**OR Download “[dagps](#)”**

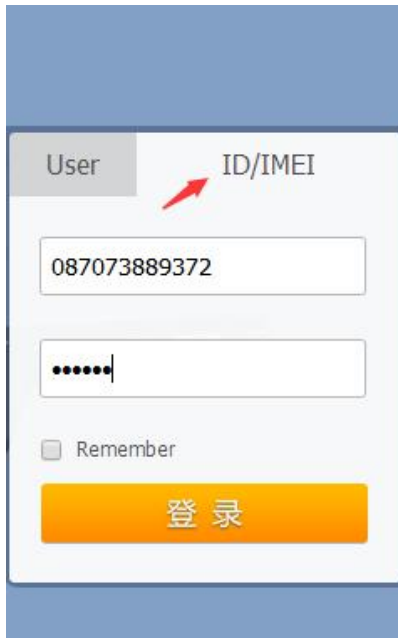
**1).scan QR code---open with browser--- choose Android or iphone---Download--  
installation app**



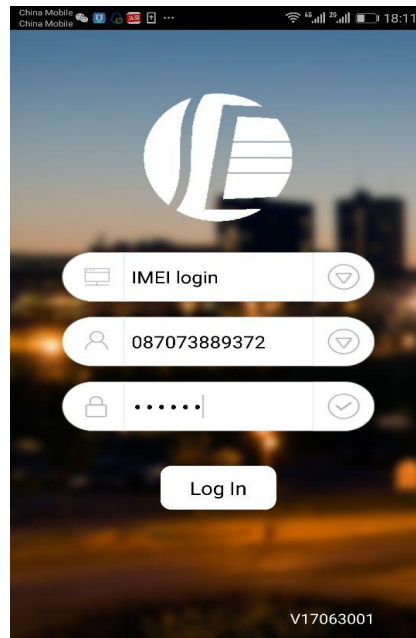
## 2): support Website and app login

Open [www.gps110.org](http://www.gps110.org)

Use tracker ID login, default password 123456.



PC login



APP login

## 6.2 Geo-fence setting

Point APP fence and Set the diameter of 200 metres, Choose a location as center ,in outdoor(device out of the safety area will alarm)

## 6.3):suport Websit tracking

Open [www.gps110.org](http://www.gps110.org)

Use tracker ID login, default password 123456.

NOTE:If you insert the correct SIM card and send “GPRS123456”, device in outdoor, still not online.Please set the APN [commands](#)

If set the first step,device online in platefrom, no need set apn commands

After set GPRS mode, every 2min upload data to server by default,you can change upload time interval

## 6.4 Set GPS online in platefrom

SMS1: “GPRS123456”

SMS2: [APN123456+space+Apn name](#)

( APN name pls ask the sim card company ,for example tell you the apn name is ABC,so send APN123456 ABC)

(If have the APN user name and password, need plus APN user name and password behind the APN name)

Eg: [APN123456+space+APN name+space+ APN user name+space+ APNpassword](#)

**7. If use the other platform, start on line tracker**(Use the default platform, don't need to operate 7)

in advance Using mobile phone send SMS commands to device and set online platform

(please set DNS and port,set apn)

SMS1: “GPRS123456”

SMS2: adminip123456 +space+ip+space+port

or adminip123456+space +DNS+space+ port

E.g: adminip123456 [www.gps110.org](http://www.gps110.org) 7018([www.gps110.org](http://www.gps110.org) is DNS,7018 is port)

SMS3: APN123456+space+Apn name (APN name pls ask the sim card company ,for example tell you the apn name is ABC,so send APN123456 ABC)

If have the APN user name and password, need plus APN user name and password behind the APN name)

Eg:APN123456+space+APNname+space+APNuser name+space+ APNpassword

## 8. FAQ and processing methods.

FAQ	Instructions/Solutions
Fail to turn it on	Please check if battery and USB cable is charged
No GSM signal	<ul style="list-style-type: none"><li>● Please check if SIM card installed correctly.</li><li>● Don't turn on the PIN code</li><li>● no calls can be diverted</li></ul>
No GPS	A more open view of the sky is recommended to make sure the device can receive the GPS signal normally.in outdoor,or take device to walk around
No reply to SMS command	Password wrong or the format is wrong. restore factory settings send “reset123456”

<p>No reply to calling &amp; No alarm message</p>	<p>Authorized / admin phone number is incorrect or has not setup</p>
<p>SMS position OK, cannot use the APP and web platform</p>	<p>Pls check if APN is correctly set. And pls find out the correct APN content of the SIM card.</p>
<p>Platform position is difference from the actual position.</p>	<p>No uploading position time or no GPS signal: call the device phone number and receive the position message. If it shows like Pic 2, pls make sure the device can receive the GPS signal normally.in outdoor,and take device to walk around</p>