

---

# **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.

### Specifications

Content	Specs
Dim.	63mm x 46mm x 21mm
Weight	41g
Network	GSM/GPRS
Band	850/900/1800/1900Mhz
GSM chip	MT6261
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
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +55°C
Humidity	5%--95% non-condensing

### Main functions

- GSM quad-band frequency;
- Real time tracking by SMS/GPRS
- Low battery alarm;
- Geo-fence alarm ;
- move alarm
- SOS alarm ;

- Monitor (optional)
- Vibration alarm (optional)
- Add Smart sleep save power Mode
- Add GPX history route record, can check record in Google map
- Add AGPS function, receive GPS signals faster
- Add built-in storage memory
- Add WATERPROOF and dust proof
- patented product

## 2.Led indicator status

LED INDICATOR STATUS	MEANING
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

## 3. Notices:

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

2).Please make sure GSM SIM card(2G GSM network or compatibility 2G GSM network) 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 Product testing, need to be closed shell and screw ,then charge the battery in time to keep it working normally.

3.3 take the device to outdoor and the front of device towards sky ,move device to receive gps signal. Because indoor has no gps signal

3.4 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=22.57
397,113.88373&z=1
6
```

```
last:
lat:22.57385
long:113.88371
speed:002.5
T:06/28/14 11:58
http://
maps.google.com/
maps?f=q&q=22.57
385,113.88371&z=1
6
now:
lac:9349
cid:3593
mcc=460
mnc=002
```

Picture (1) have gps signal

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

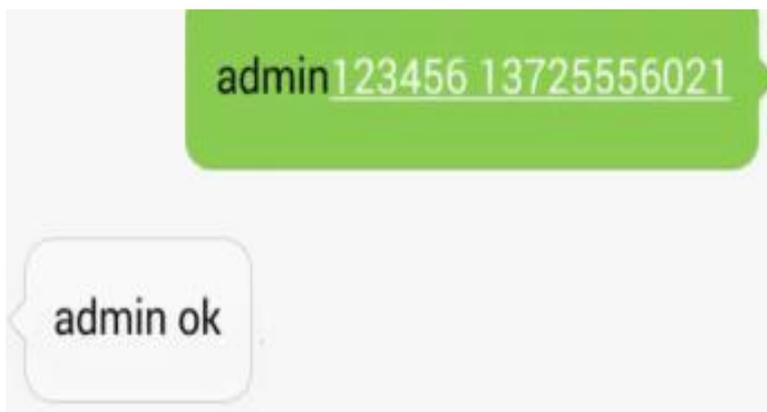
5) If you want standby time longer, pls don't open move alarm, and platform for real-time location tracking.etc

#### 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](#)

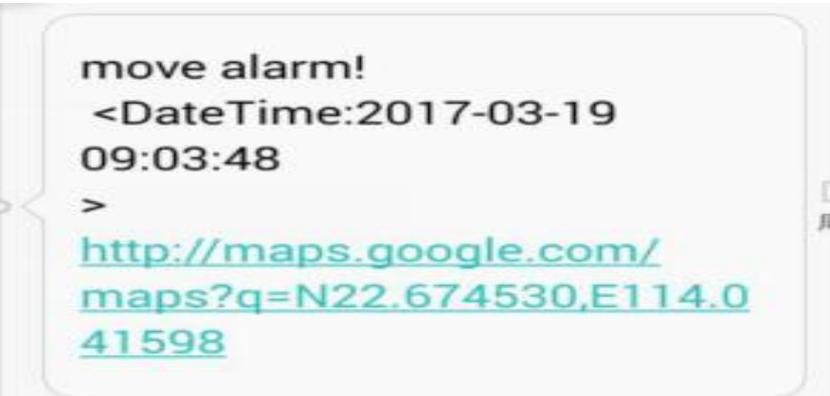
Reply: [noadmin ok](#)

**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!  
<DateTime:2017-03-19  
09:03:48  
>  
http://maps.google.com/  
maps?q=N22.674530,E114.0  
41598
```

#### **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

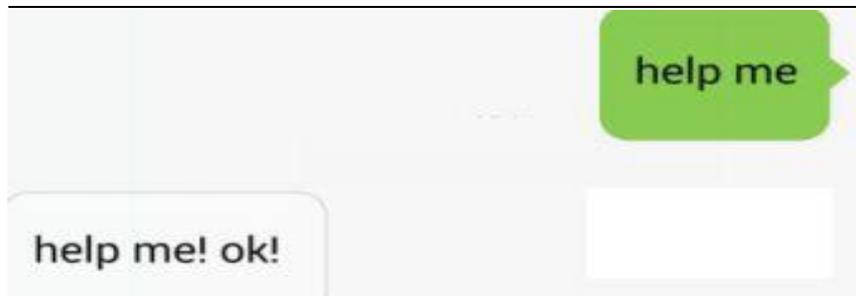
E.g:



```
SOS help!  
352887077654321  
17-04-18 10:44:03  
22.674697,N,  
114.038577,E
```

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

E.g:



#### 4.5 Monitor setting(option, The default do not have this function)

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(option, The default not have this function)

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&longititude”



**canceling Vibration alarm:**

Command: “[noshock+password](#)”

Reply:[noshock ok](#)

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

Command : time+space+zone123456+space+ 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 device

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 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 succeed GPX function,call device will not reply the google link ,and stop send data to server.

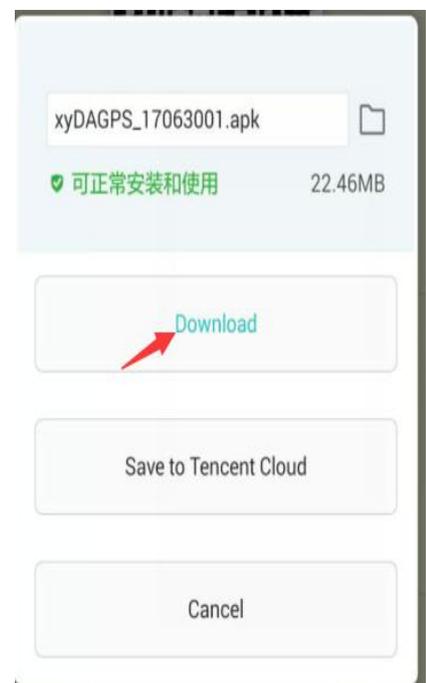
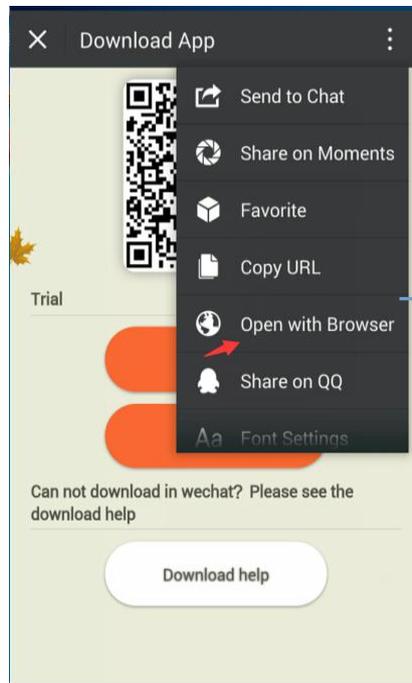
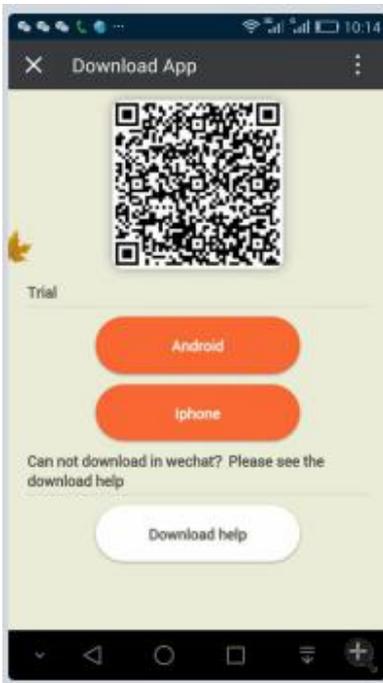
## **6 .If you need real-time tracking by APP or website ,pls Operating as follows**

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

### **6.1:Support Android & 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



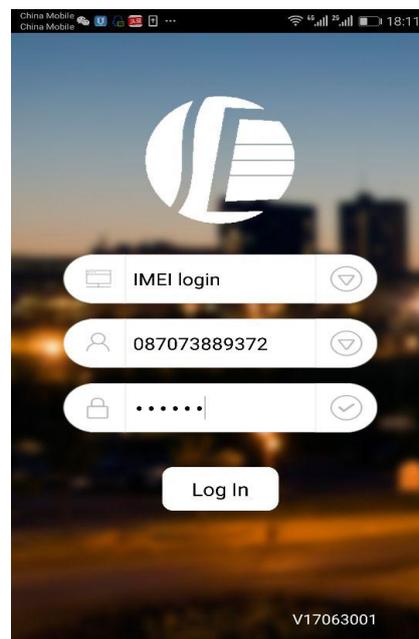
## 6.2: support Website tracking

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

Use tracker ID login, default password 123456.



PC login



APP login

## 6.3 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)

## 7:support Website 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 platform, no need set apn commands  
After set GPRS mode, every 2min upload data to server by default,you can change upload time interval

## 8.Set GPS online in platform

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](#)

## 9. 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: [adminip123456 +space+ip+space+port](#)

or [adminip123456+space +DNS+space+ port](#)

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

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+APNname+space+APNuser name+space+ APNpassword](#)

If device online in platform, no need set apn commands

## 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>● Please check if SIM card is 2G GSM network.</li> <li>● Don't turn on the PIN code</li> <li>● no calls can be diverted</li> <li>● Please check if voltage of the power is normal</li> <li>●</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"
No reply to calling & No alarm message	Authorized / admin phone number is incorrect or has not setup
SMS position OK, cannot use the APP and web platform	Pls check if APN is correctly set. And pls find out the correct APN content of the SIM card.
Platform position is difference from the actual position.	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