

GPS TRACKER USER MANUAL

PREFACE

Thank you for purchasing GPS tracker. This manual shows how to operate the device

smoothly in details, please make sure to read this manual carefully before using the device. Please be noted that any update of the manual is made without prior notice. Each time the update of the manual will be released in the latest product sales. The manufacturer won't assume any legal responsibility for any errors or omissions made in this manual.

1 SUMMARY

Working based on existing GSM/GPRS network and GPS satellites, this product can locate and monitor any remote targets by SMS, APP and Internet. It adopts the most advanced technology of GPS and AGPS dual positioning.

Specifications

Content	Specs.
Dim.	73*48*23mm
Weight	48g
Network	GSM/GPRS
Band	850/900/1800/1900Mhz
GPS sensitivity	-159dBm
GPS accuracy	10m
Work voltage	12V-36v
Time To First Fix	Cold status 45s Warm status 35s Hot status 1s
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +55°C
Humidity	5%--95% non-condensing

2. Main functions

- GSM quad-band frequency;
- Real time tracking by SMS/GPRS;
- Overspeed alarm ;
- move alarm
- Geo-fence alarm
- Built-in backup battery to realize power failure alarm;
- Cut vehicle oil or circuit alarm.
- Add Vibration alarm
- Add Smart sleep save power Mode
- Add AGPS function, receive GPS signals faster
- Add built-in storage memory
- Do not need to install ,do not need break cable
- easy operation, insert obd interface can use for device

3. Hardware Description



3.1 Notices:

1. GPS tracking can be worked outdoor. Must have a mobile phone signal and have GPS singal, can block GPS satellite signal when there are metal and 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.
3. Please make sure GSM SIM card is with sufficient balance.
4. Please make sure the GSM card has opened the call shows and turned off the call transfer.
5. Please insert the GSM phone card correctly. Cancel the PIN code
6. Do not assembly and disassembly device at will.

4. Quick using

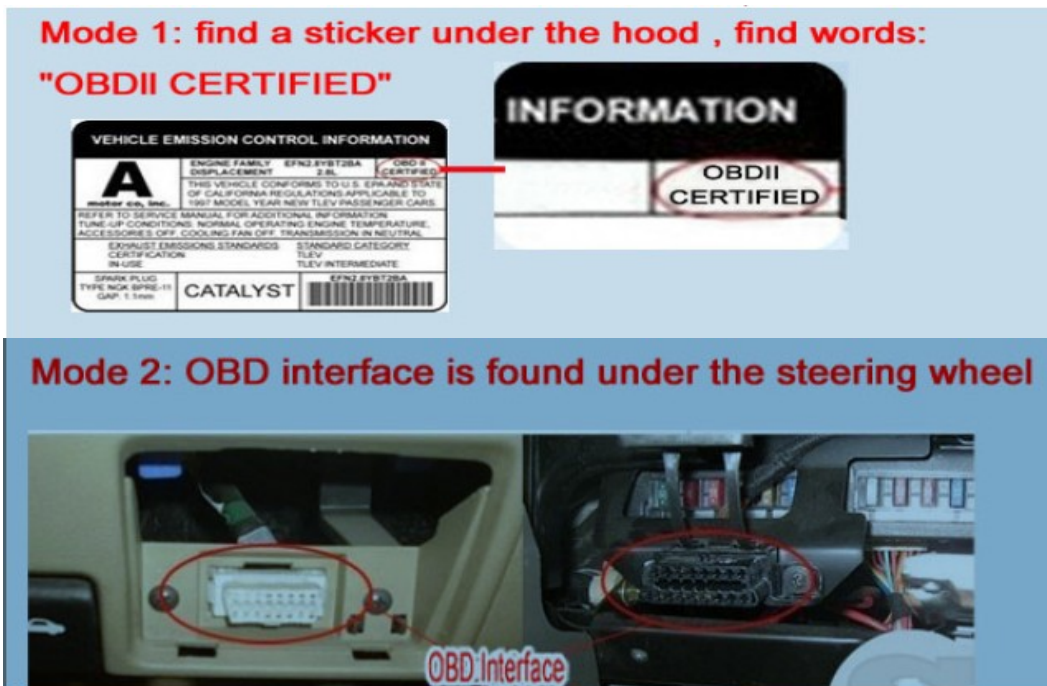
- 1) insert the SIM card to the slot. then put card slot in gps tracker
- 2) tracker Insert in the Car OBD interface, drive car to the outdoor
- 3) Dialing device number, it will hang up and receive Google Maps link of

position, or sending message “[smslink123456](#)” to SIM card in tracker

4.1 Insert the SIM card into the SIM slot,



connect the device to the car obd interface ,as shown below



4.3 Drive car to outdoor, Dialing device number, it will hang up and receive

Google Maps link of position

INDICATOR LIGHT STATUS	MEANING
Blue light -Solid	GSM signal connection
Blue light -Flash	NO GSM or searching gsm signal
yellow light -Solid	GPS signal connection
yellow light –quickly Flash	Searching gps signal
yellow light –slowly Flash	No GPS or close gps

Note: All leds will turn off after 10 minutes for best hide.if you call the device mobile number,so the led will turn on work again.

Connect 12V-36 v voltage of the power supply

5. SMS Command instruction

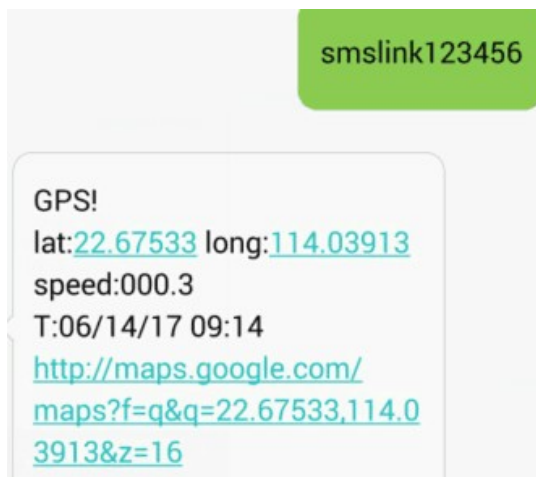
NOTE:

- 1)Device default password:123456)
- 2)use of mobile phones send messages to the device about all set command
- 3)After admin number setting, all alarm message will send authorization number
- 4) the red  is a space in SMS command
- 5)If Set authorization number, other cell-phone Numbers to send command will not reply
- 6) If you want standby time longer, pls don't open move alarm, low power alarm etc.
- 7)The default mode is “GPRS”, Send SMS “[sms+password](#)” to the tracker, and it will reply “sms ok!”close GPRS mode, replace SIM mode
- 8) If OBD interface position of GPS signal is weak, connect OBD extend cable

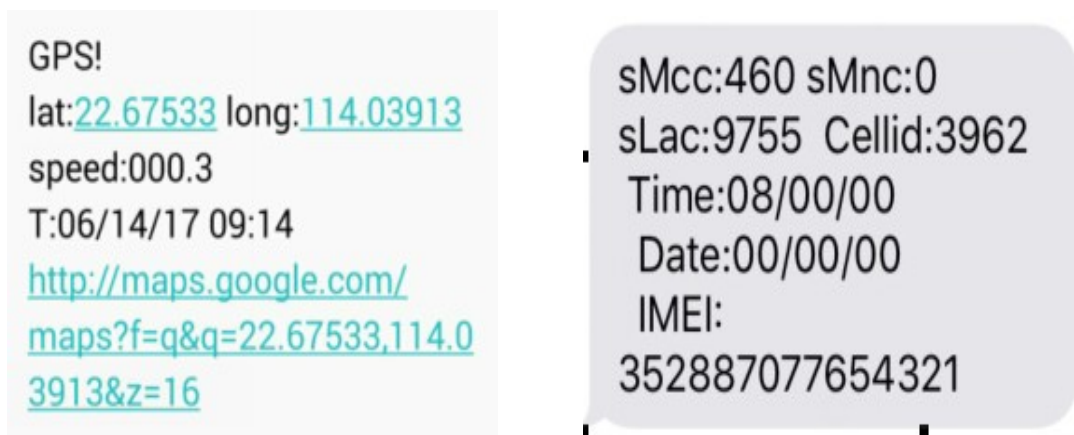
enhanced GPS satellite signal

5.1. Call the mobile number in tracker, you will receive a Google Maps link of position, or sending message “[smslink123456](#)” to SIM card in tracker .

e.g:



EXPLANATION OF PARAMETERS/CODES IN SMS MESSAGE



Pic (1) have gps signal Pic(2)no gps signal

Pic 1: Replied real-time tracking information under GPS satellites signal.

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

- ◆ **Spd: 000.3** 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 LBS information without GPS satellites 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

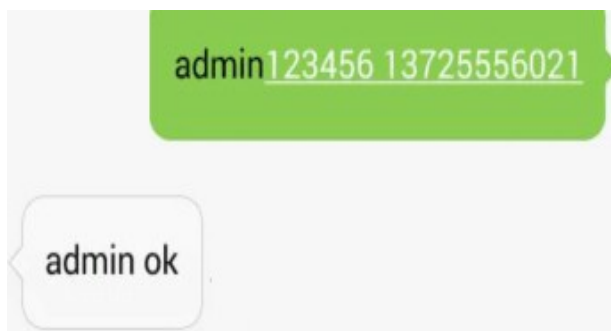
5.2. Admin number setting (support 5pcs admin number)

After admin number setting, all alarm message will send authorization number

Command: **admin123456 phone number** (This phone number is your own mobile phone number , not the mobile number in tracker .)

Reply: **admin ok**

E.g: **admin123456 3725556021**



Admin number Canceling:



Command : `noadmin123456 13725556021`

Reply: `noadmin ok`

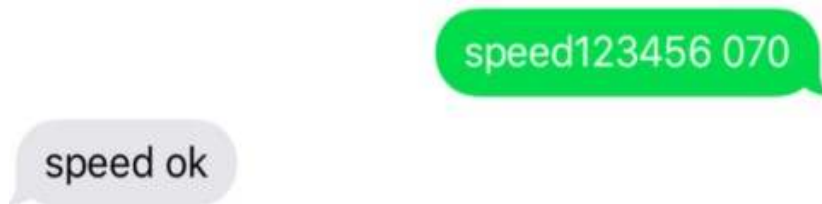
5.3. Over-speed Alarm setting (It works only in continuous positioning mode.)

Over-speed Alarm setting:

Command : `speed123456 070` (Suppose speed is 70km/h) note: not less 60KM/H

Reply: `speed ok`

E.g:



When the unit speed is over 70km/h, it will send message “speed alarm!” to the admin number .

Over-speed Alarm canceling :

Command : `nospeed123456`

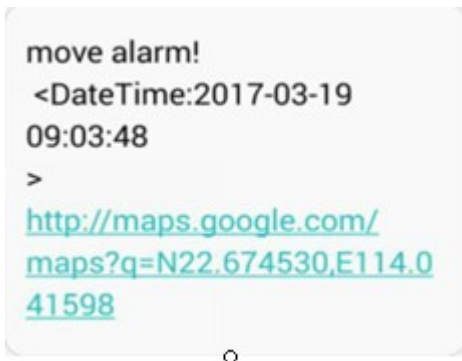
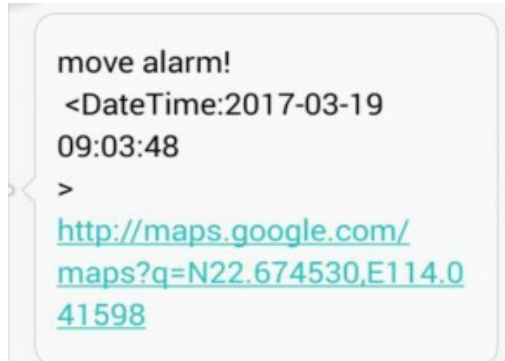
Reply: `nospeed ok`

5.4. 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](#)

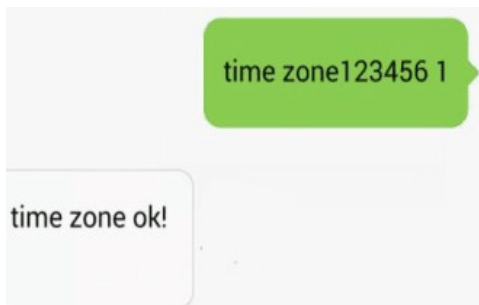
5.5 Terminal (local) Time Setting(factory setting GMT 0)



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

Reply: [time ok!](#)

E.g: [time zone123456 1](#)



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

5.6 cut Power alarm

If device have built-in battery.it will send alarm after the power failure

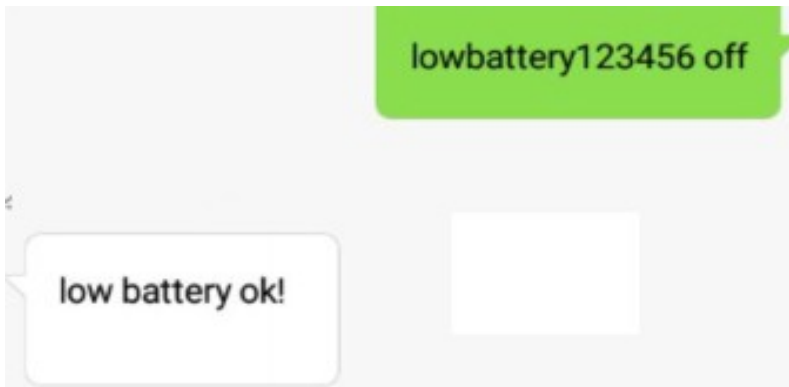
```
cut power alert!  
352887077654321  
17-04-18 13:30:10  
22.675139,N,114.039073,E  
http://maps.google.com/maps?  
q=N22.675139,E114.039073
```

5.7 Low battery alarm

This function activates by default. it will send alarm once battery lower than 30% level of full power

canceling low battery alarm

Command : “**lowbattery+password+space+off**”

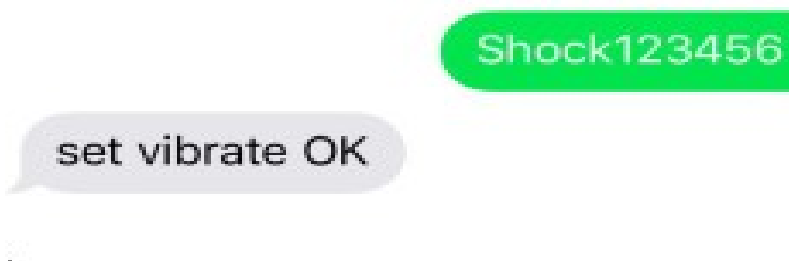


set effective send SMS “**lowbattery+password+space+on**”

5.8. Set Vibration alarm (built-in g-sensor)

Command: “**shock+password**” (After 5mins of static , device is vibration and will send send Vibrate alarm+latitude&longitude to admin number”)

Reply: set vibrate ok



canceling Vibration alarm:

Command: “**noshock+password**”

Reply: no vibrate alarm ok

5.9 device to restart

Command: `reboot123456`

Reply: `after 20s will reboot ok!`

E.G



6.0 change Time upload interval(default 10s)

Command: `fix010s***n123456`

Reply: `t010***n ok`

(010 s is every 10 seconds send data to platform)

6.1 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

6.2 Restore the factory Settings

Command: `reset123456`

Reply: `supervisor instruction setting Factory, ok!`

6.3 check imei

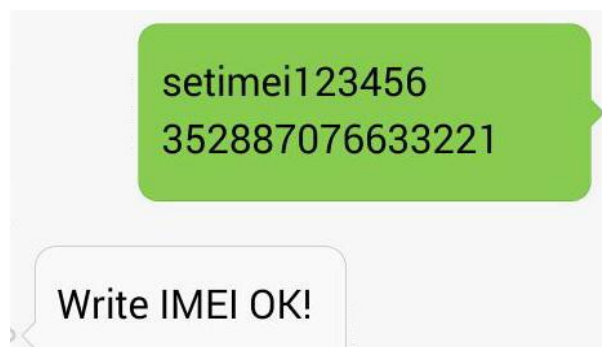
Command: `imei123456`

Reply : `IMEI number`

6.4 change IMEI number

Command: `setimei123456` [REDACTED] new imei number

E.G: `setimei123456` [REDACTED] 52887076633221



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

NOTE:If you need platform position, turn on GPRS model(GPRS model by default)

7.1:Suport Andriod & IOS APP tracking

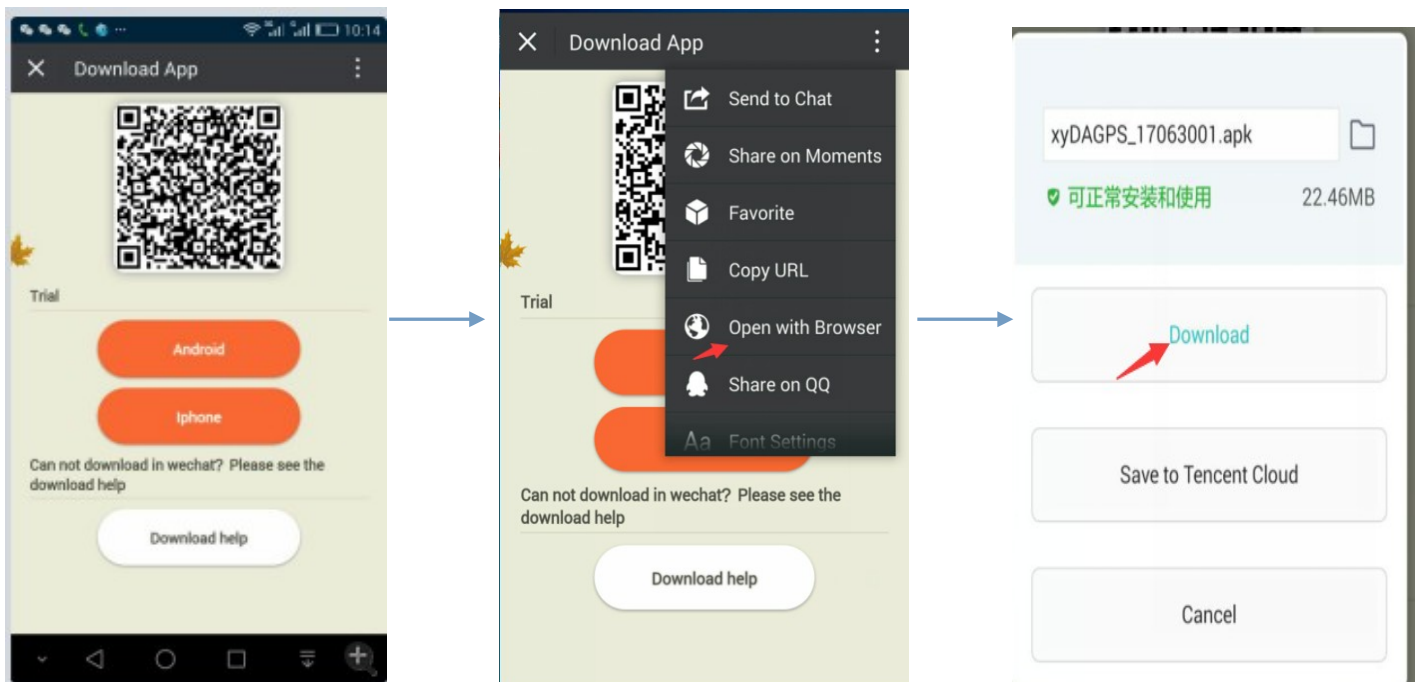


If you need real-time tracking by APP ,please scan APP on web platform

OR Download “[dagps](#)”

1).scan QR code---open with browser--- choose Android or iphone---

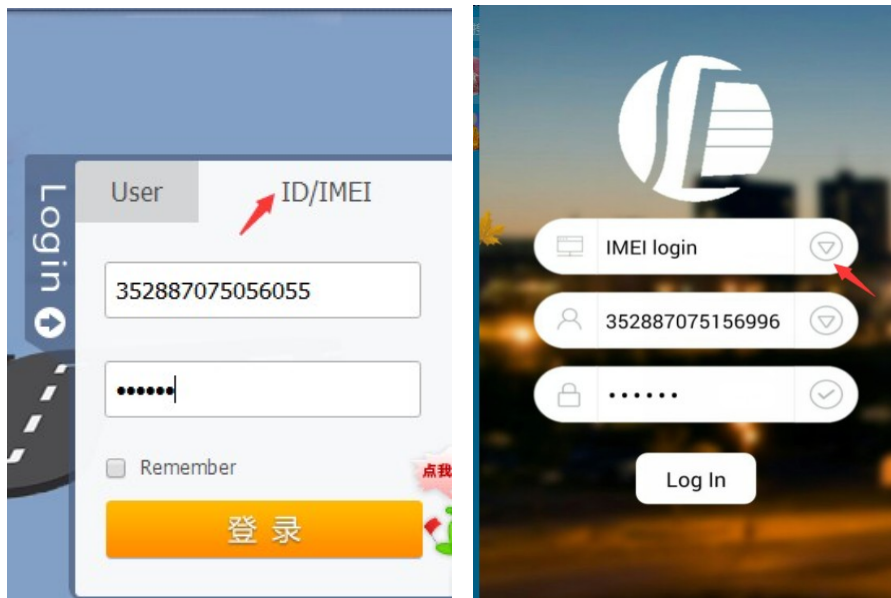
Download-- installation app



8.2: suport Websit tracking

Open www.gps110.org

Use IMEI login, default password 123456.



PC login

APP login

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

SMS1: [APN123456](#) [red] [red] (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 [red] [red] PN name A [red] N user name AP [red] password

8. If use the other platform, start on line tracker

in advance Using mobile phone send SMS commands to device and set online platform (pls set DNS and port,set apn)

SMS1: adminip123456  p  rt or adminip123456 DN  port 

E.g: adminip123456 www.gps110.org 7018(www.gps110.org is DNS,7018 is port)

SMS2: APN123456  pn 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  PN name A  N user name AP  password

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

9. FAQ and processing methods.

FAQ	Instructions/Solutions
Fail to turn it on	Insert card turn on,and connected12- 36 v power supply from OBD interface
No GSM signal	Please check if SIM card installed correctly and have money, if there a mobile phone GSM signal ● Please check if SIM card is 2G or Compatible 2G GSM network. And have to mobile phone signal

No GPS	A more open view of the sky is recommended to make sure the device can receive the GPS signal normally.in outdoor and take device to walk around
No reply to SMS command	Password wrong or the format is wrong. restore factory settings send messages “reset123456”
No reply to calling & No	Authorized / admin phone number is incorrect or has not set up
SMS position OK, cannot the APP and web	Pls check if APN is correctly set. And set the correct APN
Platform position is difference and the actual position.	position time don't update 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, make sure sim normal