GPS TRACKER USER MANUAL

<u>PREFACE</u>

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.
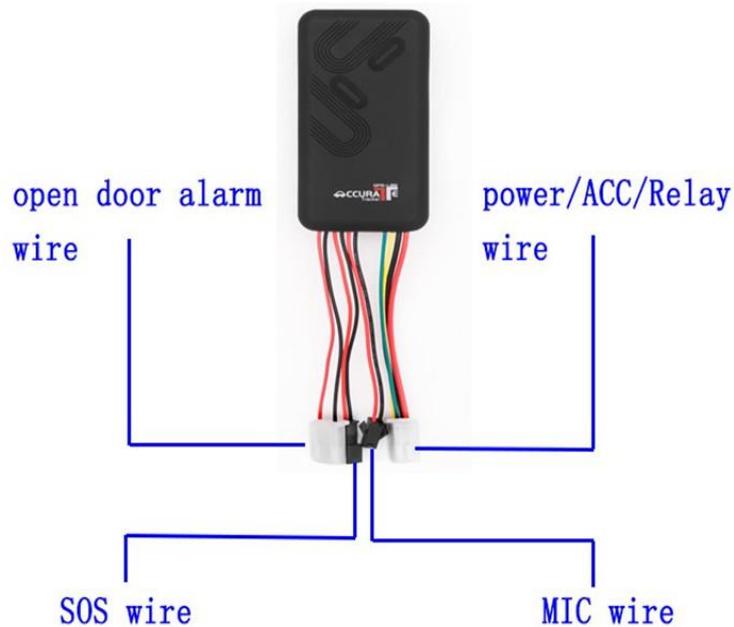
Specifications

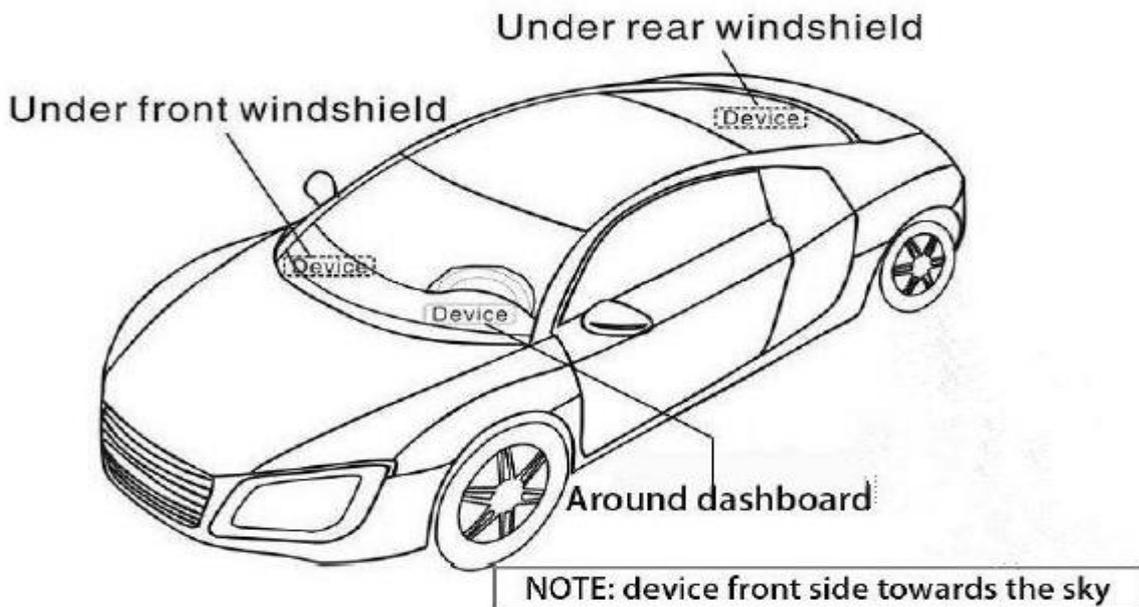| Content	Specs.
Dim.	95*50*13mm
Weight	65g
Network	GSM/GPRS
Band	850/900/1800/1900Mhz
GPS sensitivity	-159dBm
GPS accuracy	5m
Work voltage	12V-36v
Time To First Fix	Cold status 45s Warm status 35s Hot status 1s
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +55°C
Humidity	5%--95% non-condensing

Main functions

- GSM quad-band frequency;
- Real time tracking by SMS/GPRS;
- Over-speed alarm ;
- move alarm
- Geo-fence alarm
- Built-in backup battery to realize power failure alarm;
- Cut vehicle oil or circuit alarm.
- ACC ignition and flame out inform
- Add Vibration alarm
- Add voice monitoring;
- Add SOS alarm ;
- Add Open the door alarm;
- Add Smart sleep save power Mode
- Add AGPS function,receive GPS signals faster
- Add built-in storage memory

2.Hardware Description

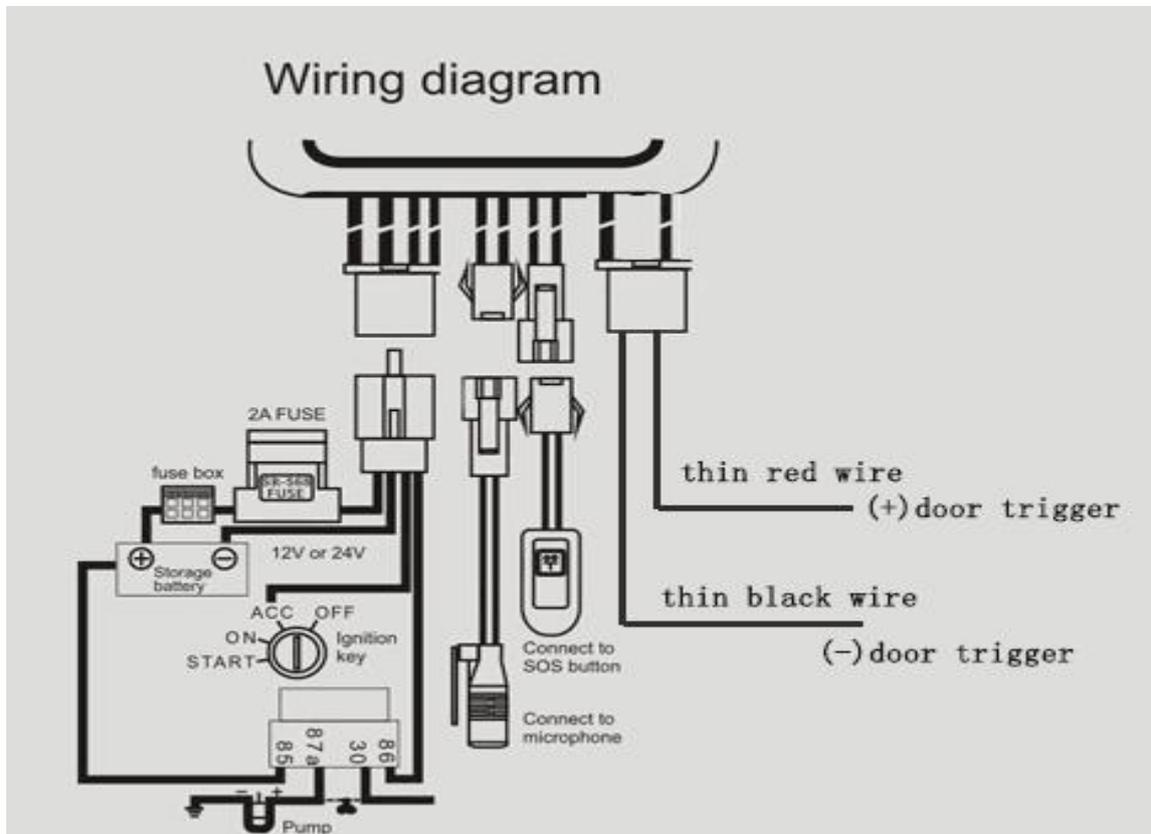open door alarm wire

power/ACC/Relay wire

SOS wire

MIC wire

2.1) device front side towards the sky. When install in car, if the windscreen glued by metal thermal insulation layer or heating layer, it will reduce the GPS receive signal and lead to GPS work disorder.

(The GPS tracker must be installed by professional personnel)

3. Device wiring diagram

Wiring diagram

thin red wire
(+)door trigger

thin black wire
(−)door trigger

Wires connection ,device power wire connection as above:

3.1 Red wire connects to vehicle power positive +

3.2 Black wire connects to vehicle power negative -

3.3 Yellow wire connects to relay yellow wire

3.4 Green wire connects to ACC wire

3.5 thin Red wire connects to the door control circuit if it is positive

3.6 thin black wire connects to the door control circuit if it is negative

Knowing about the type of the door trigger is positive or negative trigger

INDICATOR LIGHT STATUS	MEANING
green light -Solid	GSM signal connection
green light -Flash	NO GSM connection
Blue light -Solid	GPS signal connection
Blue light -Flash	searching gps signal
Red light- Solid	connection external power
Red light-Flash	disconnect external power

Note: All led will turn off after 10 minutes for best hide

Connect 12V-36 v voltage of the power supply

4. Notices:

1. GPS tracking can be worked outdoor. Must have a mobile phone signal and have GPS signal, which can block GPS satellite signal when there has 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 SIM card is with have money

4.Please make sure the GSM card has opened the call shows and turned off the call transfer. PIN code

5.Do not assembly and disassembly device at will.

Normal SIM   Micro SIM   Nano SIM

Quick using

1) Open the rubber cover, insert the SIM card to the slot.

2) Put device outdoor ,connect to power supply 9V/36V ,

3) Must turn on small switch to "ON" place.

4) Dialing device number, it will hang up and receive Google Maps link of position, or sending message "smslink123456" to SIM card in tracker
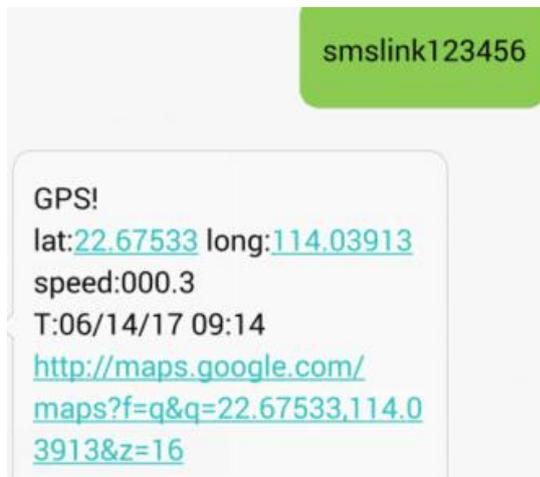
5. SMS Command instruction

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

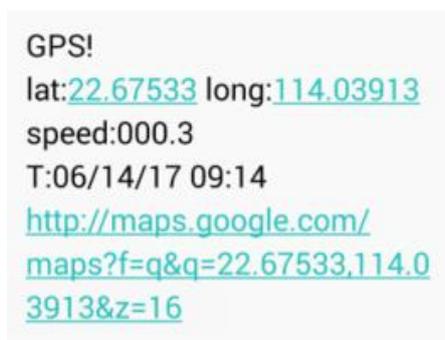6)The default mode is "GPRS", Send SMS "sms+password" to the tracker, and it

will reply "sms ok!"close GPRS mode, replace SIM mode

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

<div>Pic（1）have gps signal   Pic(2)no gps signal</div>

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

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

◆ **Speed：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

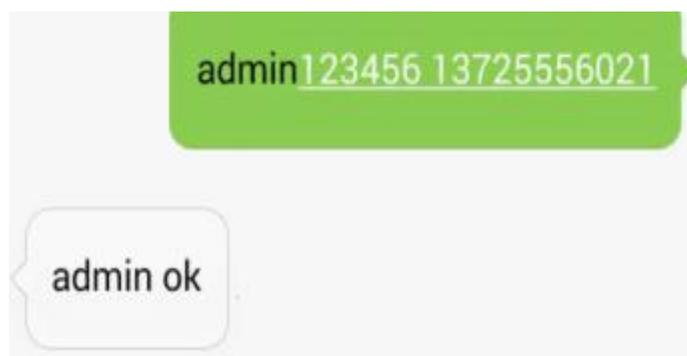Walk around with gps tracker,for receive The satellite signal

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

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

Command: admin123456+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:
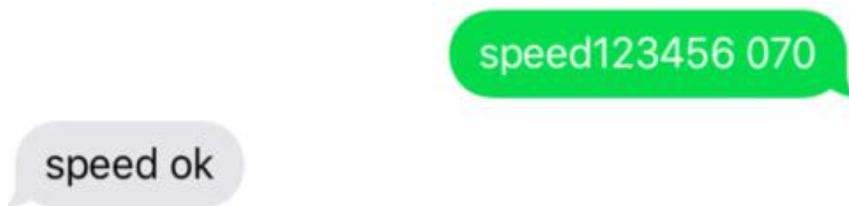　　Command ：noadmin123456   13725556021
　　Reply：noadmin ok

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

Over-speed Alarm setting:

Command ： speed123456+space+ speed （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 .

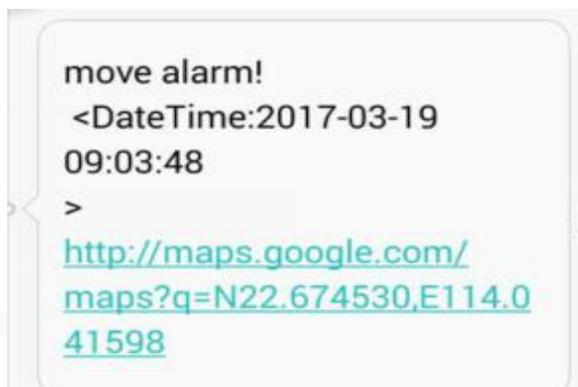**Over-speed Alarm canceling** ：
Command ： nospeed123456
Reply：nospeed ok

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 +space+zone123456+space +local time zone
Reply：time ok!
E.g：time zone123456 1

> time zone123456 1

> time zone ok!

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
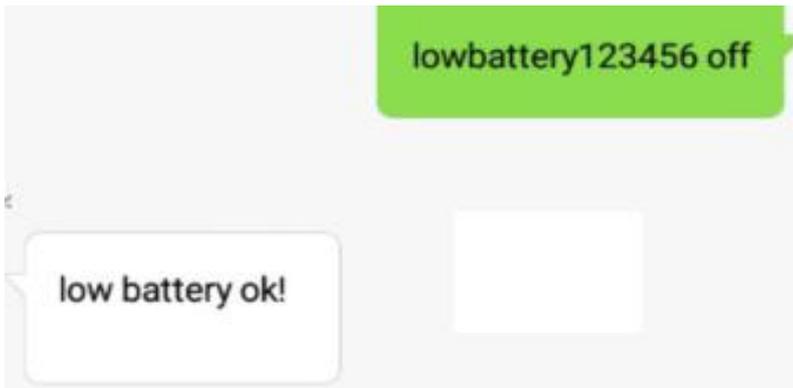
> cut power alert!
> 3528877077654321
> 17-04-18 13:30:10
> 22.675139,N,114.039073,E
> http://maps.google.com/maps?
> q=N22.675139,E114.039073

5.7 Low battery alarm

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

leave 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
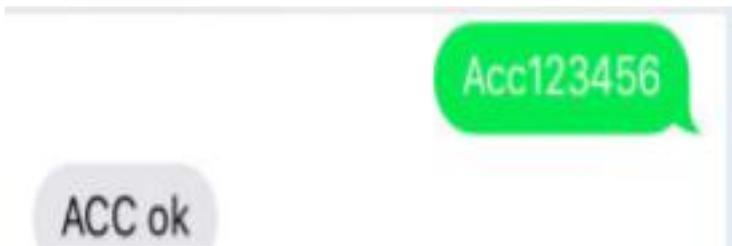

canceling Vibration alarm:
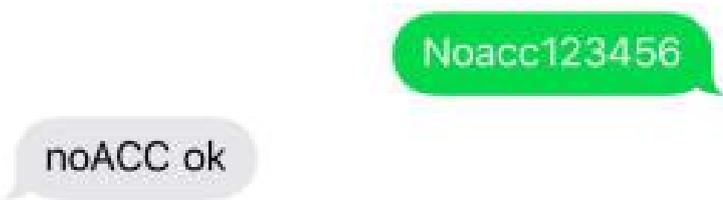
Command: "noshock+password"

Reply: no vibrate alarm ok

5.9 ACC working alarm

1) send "ACC+password" to tracker to turn on ACC function(tracker will report the Acc status)

E.g：

> Acc123456

ACC ok

2) Canceling ACC function

> Noacc123456

noACC ok

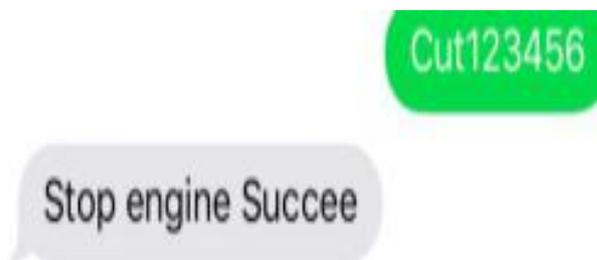## 6.0 Cut off the Oil and Power Setting

1)Command: cut+password (it will be executed and stop the car when the speed is less than 20KM/H)

    Reply : stop engine success

    E.g

> Cut123456

Stop engine Succee

2) resume the Oil and Power System

  Command: resume+password

    Reply : resume engine succeed

E.g

> Resume123456

Resume engine Succee

6.1 Monitor

The default mode is "tracker" (Tracker mode).

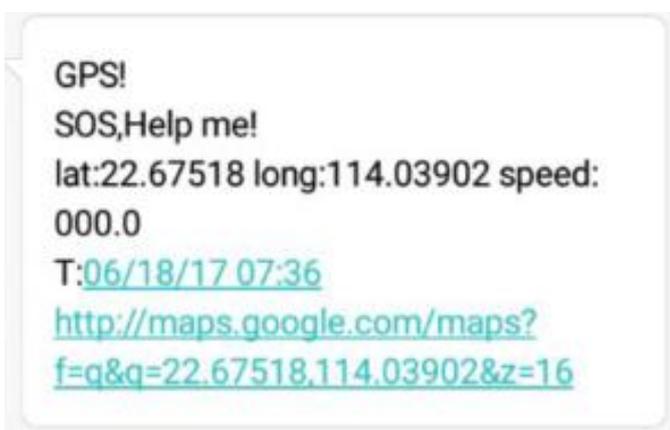Command: "monitor+password" (switch to "monitor" mode, call device, Enter monitor voice)
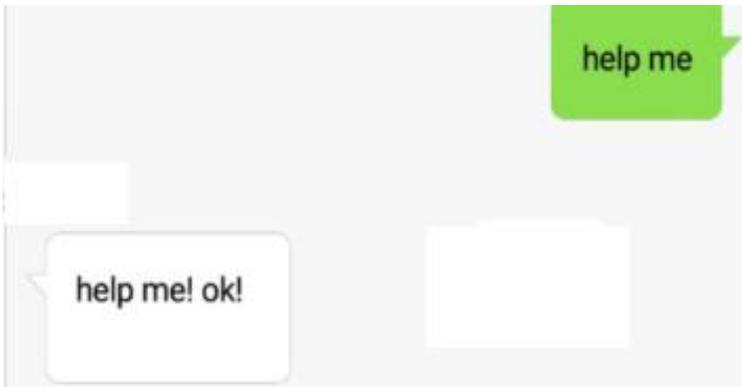
> Monitor123456

monitor ok

Canceling monitor

Command: "tracker+password" to the unit, switch to "tracker" mode

6.2 SOS alarm

Long Press the SOS button for 1 seconds, the tracker device will send SMS "SOS HELP!+lat./long."to all the authorized numbers at interval of every 3 minutes
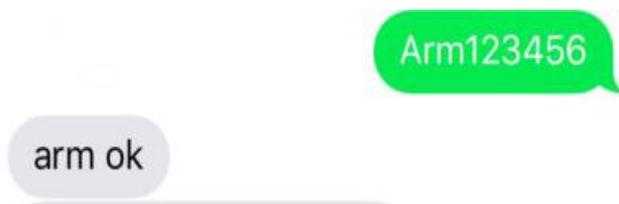
GPS!
SOS,Help me!
lat:22.67518 long:114.03902 speed:
000.0
T:06/18/17 07:36
http://maps.google.com/maps?
f=q&q=22.67518,114.03902&z=16

Canceling SOS alarm: use authorized number reply SMS "help me" to the tracker ,will get reply help me ok!

6.3. Arm set

Command: "arm+password" (device enter into armed status,when stop the engine)

Reply: arm ok

Disarm set

Command: "disarm + password" (tracker device enter into disarmed status.)

Reply: disarm ok

Disarm123456

disarm ok

Alarms under Arm Status

6.4 Door open alarm (every 3 minutes alarm when the door are opened in arm status)

GPS!
The door alarm !
lat:22.67485 long:114.03901 speed:
000.2
T:06/18/17 08:33
http://maps.google.com/maps?
f=q&q=22.67485,114.03901&z=16

. via Close the door or Disarm will stop this alarm

GPS!
The door alarm !
lat:22.67485 long:114.03901 speed:
000.2
T:06/18/17 08:33
http://maps.google.com/maps?
f=q&q=22.67485,114.03901&z=16

ACC alarm

Acc turn on (every 3 minutes alarm when The ignition, in arm status)

6.5 device to restart

Command: reboot123456

Reply: after 20s will reboot ok!

 E.G

6.6 change Time upload interval(default 10s)

Command：fix010s***n123456

Reply: t010***n ok

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

6.7 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

6.8 Restore the factory Settings
Command：reset123456
Reply：supervisor instruction setting Factory, ok!

6.9   check imei
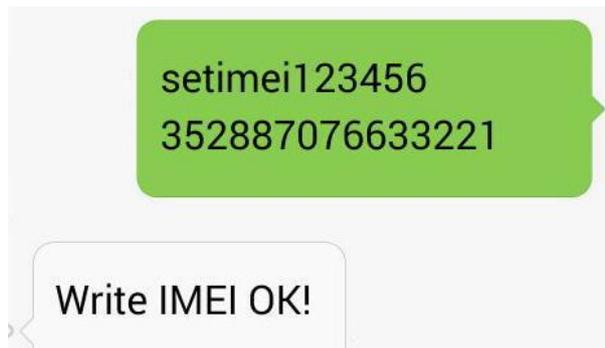Command: imei123456

Reply : IMEI number

7.0 change IMEI number
Command: setimei123456+space+ new imei number

E.G: setimei123456   352887076633221

setimei123456
352887076633221

Write IMEI OK!

8.If you need real-time tracking by APP or website ,please Operating as follows

NOTE:If you need platform position, turn on GPRS model(GPRS model by default)
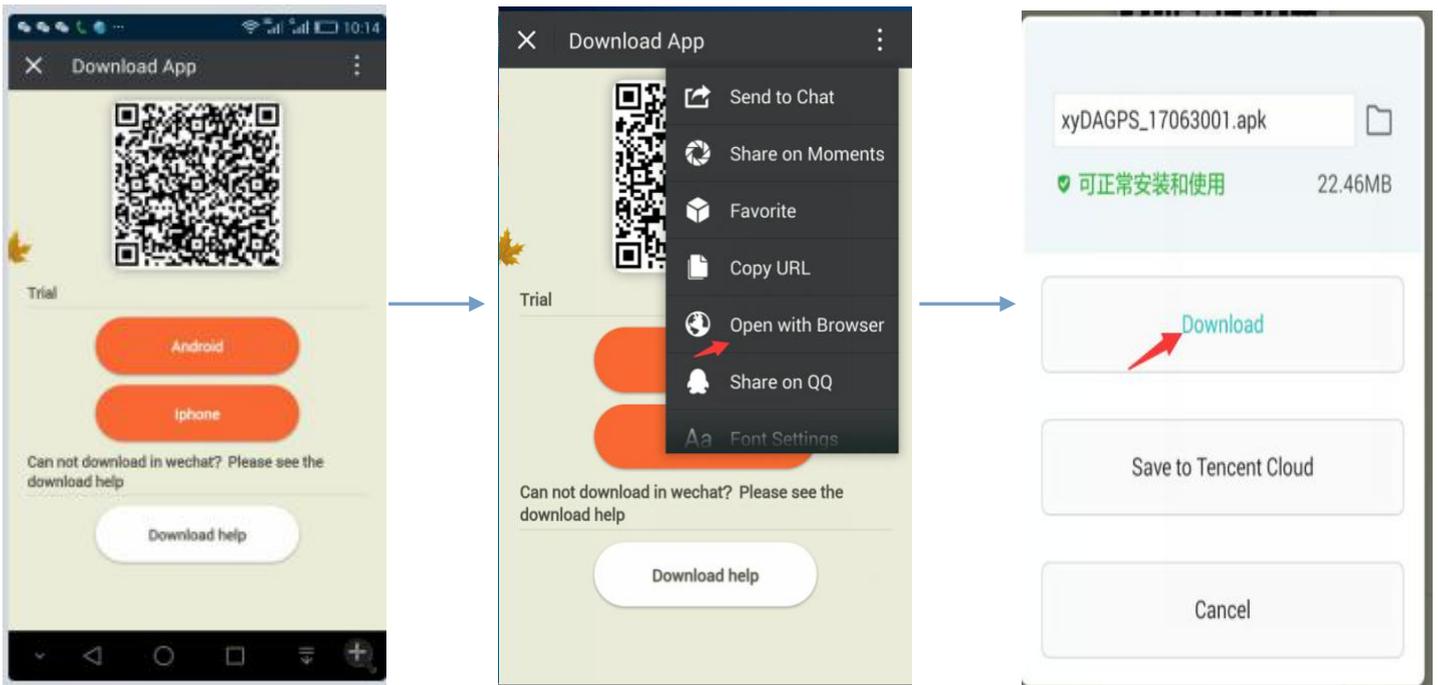
8.1:Support Android & IOS APP tracking

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
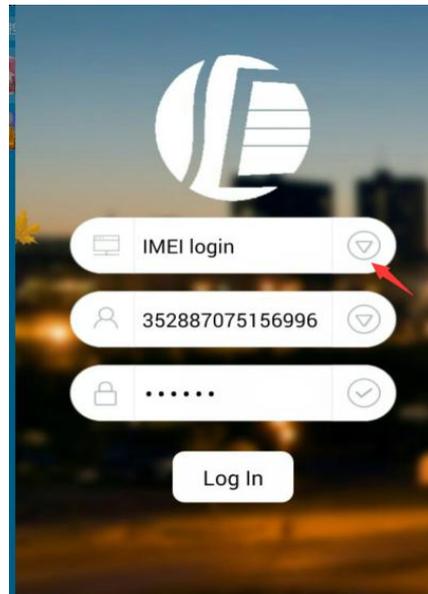
8.2: support Website tracking

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+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 platefrom, no need set apn commands

8. 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 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 set the first step,device online in platform, no need set apn commands

10. FAQ and processing methods.

FAQ	Instructions/Solutions
Fail to turn it on	Please check if connect to power supply 9V/36V and red light if Solid
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 alarm	Authorized / admin phone number is incorrect or has not set up
SMS position OK, cannot the APP and web platform	Please 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