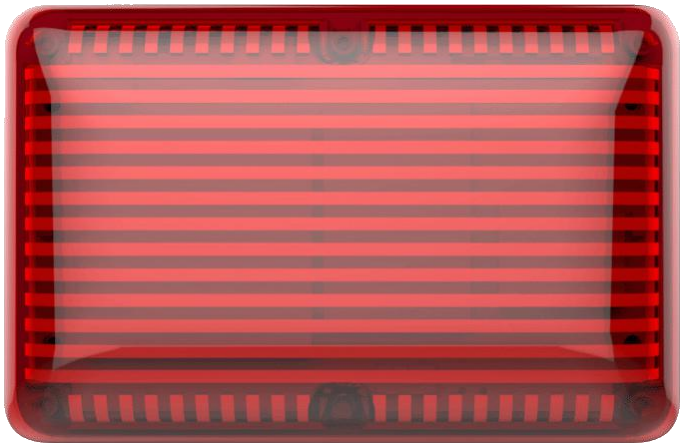
GSM/GPRS/GPS Tracker

User 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.

Contents

1. FUNCTION INTRODUCTION..... 3

2. APPLICATIONS....3
3. HARDWARE DESCRIPTION....3
4. ACCESSORIES....4
5. SPECIFICATIONS....4
6. INSTALLATION....5
6.1 SIM Card Installations....5
6.2 Operation instructions....5
6.3 Indicator mode....6
6.4 Initialization....6
6.5 Change Password....6
6.6 Authorization....7
6.7 Single Locating....7
6.8 Auto track continuously....8
6.9 Turning points update automatically....8
6.10 GPS drift suppression....9
6.11 Exact street address....9
6.12 Location based service (LBS) / Cell-ID Locating....9
6.13 Monitor....9
6.14 Data logging....9
6.15 Data Load....10
6.16 Decide how many times of alarm message....10
6.17 Alarms....10
6.17.1 Low battery alarm....10
6.17.2 GPS blind Spot alert....10
6.17.3 Geofence....11
6.17.4 Movement alarm....11
6.17.5 Over speed alarm....11
6.18 ARM/DISARM by inductive key....11
6.19 ARM/DISARM by SMS....11
6.20 Shock sensor Alarm....12
6.21 Sleep mode....12
6.21.1 Bicycle model I (Default mode)....13
6.21.2 Bicycle mode II....13
6.21.3 Sleep by shock sensor....13
6.22 Scheduled wake-up....14
6.23 Forward The Third Parties' Message....14
6.24 SIM card Balance Inquiry....14
6.25 Check IMEI....14
6.26 Check state....14
6.27 Terminal (local) Time Setting....15
6.28 Reset Hardware....15
6.29 GPRS Setting....15
6.29.1 Configure APN....15
6.29.2 GPRS User Name and password Setup....15
6.29.3 Configure IP and Port....16
6.29.4 Switch to GPRS mode....16
6.30 Web Platform and Mobile APP instructions....16
7. CAUTIONS....22
8. FAULTS & THE SOLUTIONS....23

1. Function introduction

1.1. This tracker is a new product based on the GSM / GPRS network and GPS satellite positioning system, which set multiple functions of security, positioning, monitoring surveillance, emergency alarms and tracking in its entirety. It can track and monitor remote target by SMS or internet.

1.2. Features

1.2.1 Taillights shape, easy to hide, waterproof design(IP66)

1.2.2 Built-in GSM, GPS antenna.

1.2.3 Support GPS and LBS (location based service) double tracking solution

1.2.4 Support SMS / GPRS / Internet Network data transmission

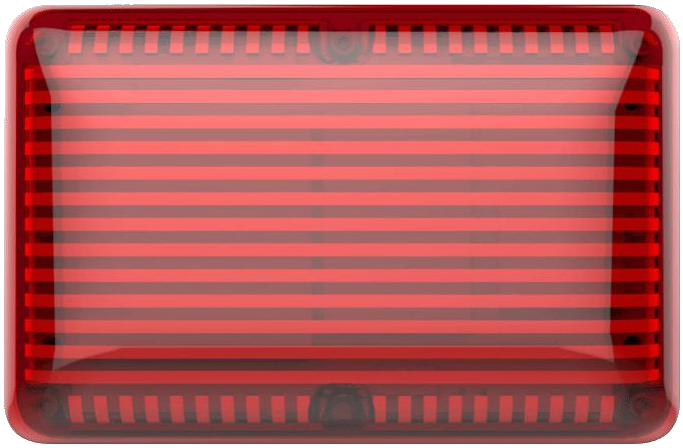
1.2.5 Support configures the settings remotely

1.2.6 Set multiple functions of security, tracking, monitoring surveillance, emergency alarms and management in its entirety.

2. Applications

Used widely for bicycle and other moving objects tracking.

3. Hardware Description



4. Accessories

No.	Picture	Item Name	Specs	Note
1		Inductive key		Standard
2		AC Charger	Input: AC110～240V Output: 5V	Standard
3		Charger cable		Standard

5. Specifications

Content	Specs
DIM	8.3×5.4×2.9cm
Weight	170g
Network	GSM/GPRS
Band	850/900/1800/1900Mhz
GPS sensitivity	-159dBm
GPS Accuracy	5m
GPS start time	Cold status 45s Warm status 35s Hot status 1s
Charger Voltage	110－220V input 5V output
Battery	Chargeable 3.7V 3200mAh Li-ion battery
Storage Temp	-40°C to +85°C

Operation Temp.	-20°C to +70°C
Humidity	5%--95% non-condensing

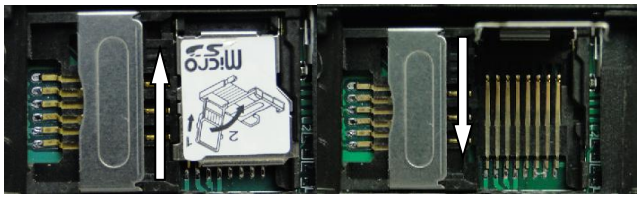
6. Installation

6.1 SIM Card Installations

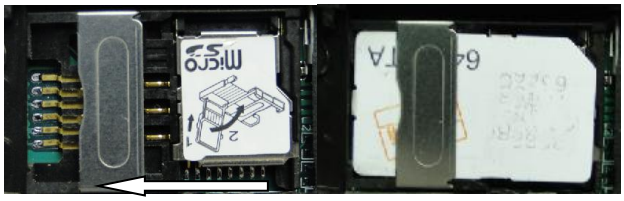
Please make sure the SIM card is for GSM network and able to execute the function of incoming calls display, no calls can be diverted and the PIN code is locked. The SMS format must be TXT format, and can't recognize the PDU format.

6.1.1. Open the back cover, and take out of battery.

6.1.2. Upwards lift metal sheet along to the SD card slot arrow direction and insert the SIM card, then press the metal sheet to its original position.



6.1.3. Insert in the SIM card according to the direction of graphic



6.2 Operation instructions

- Operate the tracker device in an open area out of door, turn on the battery switch.
- **ARM by inductive key:** Place the Induction key on the top of the tracker, indicator will be on. Remove the key after 3 seconds. LED indicator flashes one time, that means tracker works under ARM state.
- If vibration is detected under ARM state, tracker will be awaken and work for 5 minutes.
- **DISARM by inductive key:** In ARM state,put the inductive key to the top of the device rapidly for 2 times and then remove the inductive key, LED flashes 2 times, that means tracker works in DISARM state. The times put to inductive key to disarm can be configured, and check chapter 6.19.3

for more information

6.3 Indicator mode

Send command “light+password+space+mode” to device, mode 1 indicator Driving mode, default mode is mode 0, Indicator light is off.

0	off	Indicator is off and never blinks.	
1	Driving	Quick blink when driving and stop blink when parking.	
2	Quick blink	Keep blinking fast	
3	Working	Blink each second	GSM reception normal
		Blink each 3 seconds	GPRS mode
		Double blink each time	GPS fixed
		on	No GSM reception

6.4 Initialization

Send “begin+password” in SMS to the unit, it will reply “begin ok” and initialize all the settings. (Default password: 123456)
For example, send SMS “begin123456” to the tracker , If succeeded,
tracker will reply “begin ok”

6.5 Change Password

6.5.1 Send SMS “password+old password+space+new password” to the unit to change the password. For example: send SMS “password123456 888888” to the unit. If succeeded, “password ok” will reply to your cell phone from the device tracker.

6.5.2 Be sure to keep the new password in mind, you have to upload the software to restore the original setting in case of losing the new password.

6.5.3 Attention: Make sure the new password is in 6 digits Arabic numbers, or else the tracker cannot recognize the password.

6.5.4 When reading this user manual, you will notice that we have used "+" and "space" between some words;"+" between two words means they should be written together as one word and "space" between two words means you should leave one character space between two words.

6.6 Authorization

Up to 5 numbers can be authorized

6.6.1 Call the tracker for 10 times continuously and get its position, then it will save the cell phone number as the authorized number automatically., and reply “add master ok”.

6.6.2 Authorization: Send SMS “admin+password+space+cell phone number” to set up an authorized number, the other authorized numbers should be set by the first authorized number, if the number is successfully authorized, the unit will reply“ admin OK” by SMS.

6.6.3 Delete authorization:

Send SMS “noadmin+password+space+authorized number” to delete the authorized number.

6.6.4 If you want to track the target when it enters into another country, you must add the country code before the cell phone number. You should authorize your number in international format as follows:“admin123456 008613322221111” to tracker to set 13322221111 as an authorized number

6.7 Single Locating

6.7.1 If there aren’t any authorized numbers set-up, it will reply to all calls with a location report. If there are authorized numbers set-up, it won’t reply when the unauthorized number calls it

6.7.2 If you call it from authorized phone number, it will hang up and report a real-time location as below:

*When lost fix to satellites, it will track by LBS / CELL-ID. And the SMS will include two positions:
- GPS coordinates of the last known position.

-LAC code. Open www.gpstrackerxy.com find “manual track”, and put the received code in LAC and Cell-ID fields to location by LBS technology.

6.8 Auto track continuously

Tracker can send automatic location reports at set intervals. If SMS mode is active, reports will be sent as SMS text messages; if GPRS tracking mode is active, update intervals to the server will be adjusted.

6.8.1 Track with limited times upon time interval:

Send SMS command “fix030s005n +password” to the tracker device, it will report the
latitude & longitude at 30s intervals for 5 times. (s:second, m:minute, h:hour). This
command setting must be in 3 digits and the maximum value is 255.
e.g. fix030s005n123456

6.8.2 Track with unlimited times upon time interval:

Send SMS “fix030s***n+password” to the tracker device, it will reply the latitude &longitude continuously at interval of 30 seconds.e.g. fix030s***n123456
Note: the interval must not less than 20s.

6.8.3 Track upon distance interval
send "distance+password+space+distance", tracker will reply "Distance ok", and then tracker will locate upon both the pre-set distance.
e.g. Send "distance123456 0050", it means distance is 50 meters; the number must be 4 digits Arabic numbers.

6.8.4 Track upon time and distance interval:
Send ”fix030s***n+password+space+distance “ tracker will reply "Distance ok", and then tracker will locate upon both the pre-set time and distance.

6.8.5 Cancel: Send SMS “nofix+password” to the tracker device to cancel the “auto track”. e.g. nofix123456

6.9 Turning points update automatically

6.9.1 The tracker will update the positions automatically to web server once the vehicle changing driving direction over pre set angle value to form a smooth trajectory consistent with the actual road, this function works only in GPRS mode.

6.9.2 Send "angle+password+space+angle" to tracker, it will reply" angle ok". e.g. angle123456 040

6.9.3 The angle must be 3 digits Arabic numbers, default angle value is 30 degree.

6.10 GPS drift suppression

6.10.1 This function is deactivated by default, to activate this function, send SMS "suppress+password" to tracker, it will reply" suppress drift ok". The GPS data stop updating if vehicle is not driving and latitude and longitude always keep same, and GPS data updates automatically when vehicle is moving.

6.10.2 send "nosuppress+password" to tracker, it will reply" nosuppress ok ".

6.11 Exact street address

6.11.1 You must set up the APN of your local GSM network for the SIM card in tracker first before using this function, if there is user name and password for GPRS login, pls set(Please refer to 6.29 section of this manual to configure the APN, user name and password .)

6.11.2 After configure the APN, send "address+password" to device, it will reply SMS including real street/address name. For example: No.113, Guankou 2nd Rd, Nantou, Nanshan district, Shenzhen, Guangdong, china.

6.12 **Location based service (LBS) / Cell-ID Locating**

If the tracker cannot establish a solid GPS Fix, it will calculate its location using Cell-ID GSM locating, Location reports will include the GPS coordinates of the last known positions as well as a LAC code, Entering the LAC code to the “Manual Track” menu of web tracking platform www.gpstrackerxy.com will enable you to see the tracker’s current location. You can also send command “address+password” to the tracker to request exact address, track will automatically switch to tracking by LBS in GPRS mode. Accuracy of LBS depends on the distance to the nearest GSM Network Cell Tower or Base Station.
Note: This feature can be used normally in most areas according to the signal of GSM network. It may not be available in some areas.

6.13 Monitor

6.13.1 The command to switch between Track mode and Monitor mode are “tracker” and “monitor”.

6.13.2 The default mode is “track” (Track mode).

6.13.3 Send SMS “monitor+password” to the unit, and it will reply “monitor ok!” and switch to “monitor” mode.

6.13.4 Send SMS “tracker+password” to the unit, and it will reply “track ok!” and switch to “track” mode.

6.14 Data logging

6.14.1 Auto logging： When the tracker device lost GSM signals or fall offline from GPRS, tracker will log the tracking position and alerts automatically in the SD card on the basis of the pre-set condition, when GSM signals get back, all the event alerts will be auto-sent to the authorized numbers or web platform (server), but the logged tracking data should be loaded to the web platform via SMS command.

6.14.2 Logging upon times: Send SMS: “save030s005n+password” to the tracker unit, it will reply “save ok”, and will log the Latitude and longitude locations every 30 seconds for 5 times. (S: second, m: minute; h: hour).

6.14.3 Multi-logging： Send SMS:”save030s***n+password” to tracker device, it will reply

"save ok".

6.14.4 Logging Clearance: send SMS: "clear+password" to tracker device, it will reply "clear ok".

6.14.5 Logging Volume: internal Flash ,Can log 16000 position info

6.14.6 The logged data can be copied to computers through card reader, and then the data route can be checked by importing data in the menu "Data Import" of web platform www.gpstrackerxy.com

6.15 Data Load

6.15.1 Current date Load: Send SMS: "load+ password" to tracker device, it will reply: "load ok" if the device is working well under GPRS mode; if not, it will reply "load fail! Please check gprs" that means device does not work under GPRS mode.

6.15.2 Specified date Load： Send SMS: "load+ password+ space+ year month date" to tracker device, it will reply: "load ok" and load the tracking data to the web platform upon the valid time you choose. For Example: send SMS: "load123456 20110425" to the tracker device, means to load the tracking data of 25th April 2011 to web platform.

6.16 Decide how many times of alarm message

You can decide how many times of the alarm message to be sent . For those alarm message sent in cycle, you can limit the times the alarm message to be sent. Send SMS " xtime+password+005 " to tracker, alarm message will be sent 5 times once alarms are triggered .
Alarm SMS will be sent 5 times by default.

6.17 Alarms

6.17.1 Low battery alarm

Send SMS "lowbattery+password+space+on", it will send SMS "low battery+latitude/longitude" to authorized numbers 2 times in total in 15 minutes interval when voltage of battery is going to be about 3.55V.
This function activates by default, send SMS "lowbattery+password+space+off" to deactivate.

6.17.2 GPS blind Spot alert

This function deactivates by default . Send SMS "gpssignal+password+space+on", it will send alert SMS "no gps+last valid latitude/longitude before lost signal"
Send SMS "gpssignal+password+space+off" to deactivate.

6.17.3 Geofence

Set up a geo-fence for the tracker device to restrict its movements within a district. The unit will send SMS to the authorized numbers when it goes out of this district.

Set up: When the unit stays immobile in a place for 3-10 minutes, the user can send SMS“stockade+password+space+latitude,longitude;latitude,longitude” to unit to set the restricted district. In case of breach, it will send SMS “stockade!+ latitude & longitude” to the authorized numbers.

Remark: The first latitude & longitude is coordinate of the top left corner of the Geo-fence, while the second latitude & longitude is the coordinate of the bottom right corner, it will send alarm SMS at interval of 3 minutes once beyond the restricted district.

Cancel: Send SMS “nostockade+password” to deactivate this function.

6.17.4 Movement alarm

6.17.4.1 Set up: when the unit stays immobile in a place for 3-10 minutes with GPS signal reception, the user can send SMS“move+password+space+0200” to the tracker (Suppose area of a radius of 200 meters, it supports 4 digits at most. Unit: Meter). It will reply “move OK”. In case of such a movement (the default distance is 200m), it will send SMS “Move+ latitude & longitude” to the authorized numbers .

6.17.4.2 Cancel: Send SMS “nomove+password” to deactivate .

6.17.5 Over speed alarm

6.17.5.1 Set up: Send SMS “speed+password+space+080” to the unit (suppose the speed is 80km/h), and it will reply “speed OK!”. When the target moves exceeding 80km/h, the unit will send SMS “speed+080!+ latitude & longitude” to the authorized numbers every 3 minutes .

6.17.5.2 Cancel: Send SMS “nospeed+password” to deactivate .

6.17.5.3 Remark: The recommended speed should be not less than 30km/h. For below that rate, it will be effected the accuracy by GPS signals drift etc.

6.18 ARM/DISARM by inductive key

Inductive key can ARM DISARM by default .

To activate , send sms " keyarm+password+space+on" to tracker ,it will reply " keyarm on ok " , and then you can use inductive key to arm and disarm.

To deactivate , send sms " keyarm+password+space+off" to tracker ,it will reply " keyarm off ok " .

6.19 ARM/DISARM by SMS

6.19.1 ARM

Send SMS command “arm+password” to the tracker device, the tracker enter armed state, and It will reply “Tracker is activated”.

6.19.2 DISARM

Send SMS command "disarm + password" to the tracker device. Tracker enter disarmed state and reply “Tracker is deactivated”. Then turn off alarm function and will not send alarm if shock sensor and ACC alarm is triggered.

6.19.3 Set up disarm password

Send command “disarm+password+space+05+space+3” to tracker, the 2 digits number after the first space means the times put the inductive key to top of the tracker; the number after the second space means error times restriction, if wrong times exceed this number, tracker will be locked and send alarm to authorized phone numbers, then disarm can be only operated from web platform or by SMS command.

The default times are 2 times, alarm will be triggered after two times errors.

6.20 Shock sensor Alarm

6.20.1 The tracker has a built-in 3-axis acceleration sensor, the tracker can detect it in arm state when the bike move, tilt or shock. it wakes up and send SMS “Sensor alarm+lat/long” to the authorized number, in SMS mode only one message was sent within 3 mins.

6.20.2 Sensitivity of shock sensor configurations:

First level: Alarm will be triggered after detect once slight vibration, send command" sensitivity+password+space+1" .

Second level: Alarm will be triggered after detect 8 times vibration in 2 seconds, send command" sensitivity+password+space+2".

Third level: Alarm will be triggered after detect 25 times vibration in 5 seconds, send command" sensitivity+password+space+3"

6.21 Sleep mode

Sleep Mode	In SMS mode	In GPRS mode
Sleep by shock	No shock, the unit will enter sleep mode with GPS off, GSM runs in low power consumption. Shock, SMS ,calling can awake the tracker to work.	No shock and no other alarms being triggered, GPRS disconnected automatically and enter sleep by shock mode, and will be back to online if shock or any other alarms being triggered.

Bicycle mode I	No shock, the unit will enter sleep mode with GPS &GSM off and runs in minimum power consumption, SMS and calling cannot reach. In arm state, shock can awake the tracker to work; it cannot awake in disarm state. Inductive key can awake unit to work when triggered.	No shock and no other alarms being triggered, GPRS disconnected automatically and enter “Bicycle mode I”, and will be back to online if detect shock, SMS and calling cannot awake it.
Bicycle mode II	No shock, the unit will enter sleep mode with GPS &GSM off and runs in minimum power consumption, SMS and calling cannot reach. In both arm and disarm state, shock and inductive key trigger can awake the unit to work	No shock and no other alarms being triggered, GPRS disconnected automatically and enter “Bicycle mode II”, and will be back to online if detect shock, SMS and calling cannot awake it.
Scheduled wake-up	After setting this mode in disarm status, the unit will runs in minimum power consumption with GSM &GPS off ,and SMS or calling cannot reach. At Scheduled time, the unit will automatically wake to send Scheduled time report and work for 5 minutes.	GPRS status will works according the scheduled time, it will be back online at the scheduled time, GPRS disconnected and enter “Scheduled wake-up” mode for all the rest time.

6.21.1 Bicycle model I (Default mode)

Send SMS command to tracker device “sleep+password+space+bicycle1”, tracker will reply “sleep bicycle 1 ok”. In case of no operation in 5 minutes, tracker will enter low power consumption mode, GSM、GPS、LED shut off. Neither SMS nor Calling can awake tracker device. Tracker will only be awakened by shock under ARM state, and won’t be awakened up under disarm states.

6.21.2 Bicycle mode II

Send SMS command to tracker device “ sleep+password+space+bicycle2” , tracker will reply “sleep bicycle 2 ok”. In case of no operation in 5 minutes, tracker will enter low power consumption mode , GSM、GPS、LED shut off .Neither SMS nor Calling can awake tracker device. Tracker device will be awaken by shock and send message under both ARM and DISARM state.

6.21.3 Sleep by shock sensor

Send SMS command to tracker device “sleep+password+space+shock”, tracker will reply” sleep shock ok”. It will enter sleep mode if no vibration is detected. GPS、LED shut off. SMS、Calling、Shock can awake the tracker .

6.22 Scheduled wake-up

Send "schedule+password+space+1h", It will awake every 1 hour, automatically send location message after waking. (m: minute; h: hour; d: day). The maximum time interval is set to three digits, and no more than 30 days. After sending this message, GPS & GSM module shut off, device running in lowest power consumption, Calls or messages cannot awake it.

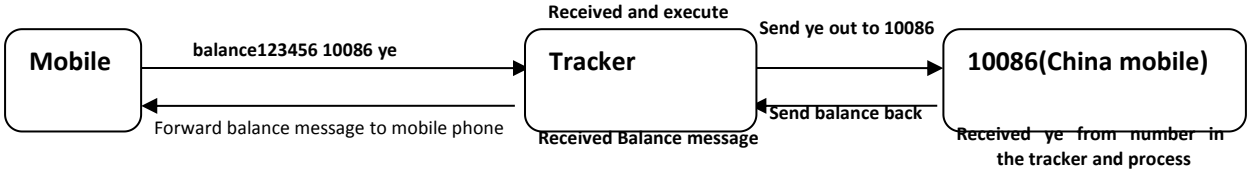
Cancel: After the tracker awake, send “noschedule+password” to deactivate the function.

6.23 Forward The Third Parties’ Message

Send SMS "forward+password+space+third parties phone number" from authorized phone number, tracker will reply "forward ok", and supports 1 third parties phone numbers at most.
For example, set the phone number of the service provider of the simcard in the tracker, when charge remind message coming in, tracker will forward it to authorized phone number.
Cancel: Send SMS command “noforward+password”.

6.24 SIM card Balance Inquiry

Send SMS command "balance+password+space+carrier’s phone number+space+code" to tracker, it will forward the code to carrier’s phone number and return the balance message received from carrier’s phone number.
How it works: After accept balance command, tracker will remember the “mobile phone number”, carrier’s phone number and the code;
And then send the code to carrier’s phone number, and forward the message from carrier to mobile phone number.
Take china mobile for example, mobile users can send “ye” to china mobile number 10086, and 10086 will send user’s balance message to tracker, and then tracker forward the balance message to mobile phone number , following is an illustration how this function works.



6.25 Check IMEI

Send SMS command "imei+password" to the device. E.g: Send SMS command "imei123456" to the tracker device, it will reply an IMEI number in 15 digits to your cell phone.

6.26 Check state

Send SMS:”check+password” to the tracker device, it will reply its current status as:
Battery: 100%
GPRS: ON/OFF

GPS: OK/NO GPS
GSM Signal: 1-32 Note: The higher digit it shows; the better.

6.27 Terminal (local) Time Setting

Send SMS command “time+space+zone+password+space+time” to the device, If succeed, it will reply “time OK”
For example: Send SMS “time zone123456 8”, 8 is Chinese time zone, If your country time zone is minus, send SMS “time zone123456 -8”.

6.28 Reset Hardware

Send SMS “reset+password” to tracker device to reset the GSM module and
GPS module of the tracker device, it will reply “reset ok”.

6.29 GPRS Setting

User must send SMS via cell phone to set up APN, IP and port before starting tracking by GPRS.

6.29.1 Configure APN

6.29.1.1 APN standards for Access Point Name and differs from country to country. For more information about your local APN, please inquire with your local GPRS network operator.

6.29.1.2 Send a SMS command to tracker “APN+password + Space + your local APN” via a cell phone and if succeeded, the tracker will reply “APN OK”.

For example: Send SMS command “APN123456 CMNET”. If succeeded, the tracker will reply “APN OK”.

Notes: 123456 refer to password of tracker and CMNET is the APN of one of china GPRS Network Operator (China mobile).

6.29.2 GPRS User Name and password Setup

6.29.2.1 In most countries, the user name and password involving GPRS login are not compulsorily necessary, therefore, the entry can be skipped. As for those countries require user name and password, please configure as following:

6.29.2.2 Send SMS “up+password+space+user+space+password” If succeeded, the tracker will reply “user, password ok!”

For instance, send SMS “upone123456 jonnes 666666” to the tracker, and if succeeded, tracker will reply “user, password OK”
Note: 123456 is tracker device password, jonnes is the user name for GPRS login, 666666 is the password for GPRS

6.29.3 Configure IP and Port

Send SMS as below via a cell phone: adminip+password+Space+IPAddress+Space+Port Number. If succeeded, “adminip OK” is returned by the device in SMS.
E.g. Send SMS command “adminip123456 202.104.150.75 9000” to the tracker device, If succeeded, “adminip OK” is returned by the device in SMS.
(123456 is default password，202.104.150.75 is IP，9000 is port).

6.29.4 Switch to GPRS mode

6.29.4.0 Send SMS “GPRS+password” to the tracker, and it will reply “GPRS ok!” it means the tracker has switched to “GPRS” mode.

6.29.4.1 TCP and UDP switch
Command: "gprs+password,0,0" switch to TCP mode, server will reply to device, this is the default mode.
Command: "gprs+password,1,0" switch to TCP mode, server will not reply to device.
Command:"gprs+password,0,1" switch to UDP mode, server will reply to device.
Command:"gprs+password,1,1" switch to UDP mode, server will not reply to device.

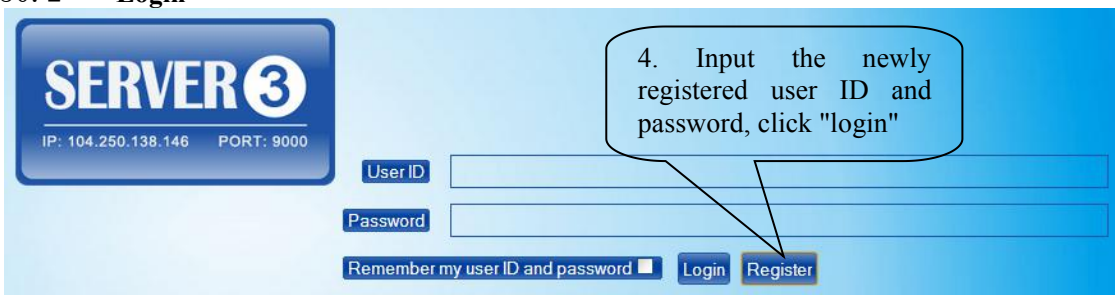
6.29.4.2 Send SMS “SMS+password” to the tracker, and it will reply “SMS ok!” and restore to “SMS” mode.

6.30 Web Platform and Mobile APP instructions

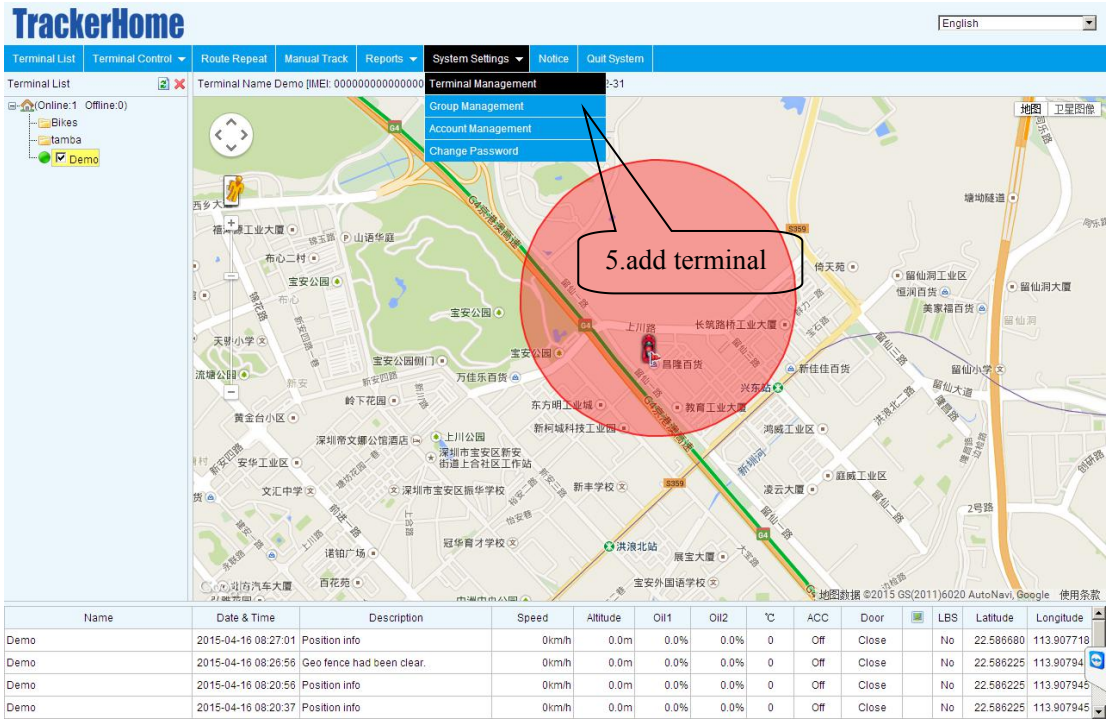
Users need to register an account on www.gpstrackerxy.com before use web or APP platform, account name and password is the same on web/APP platform.

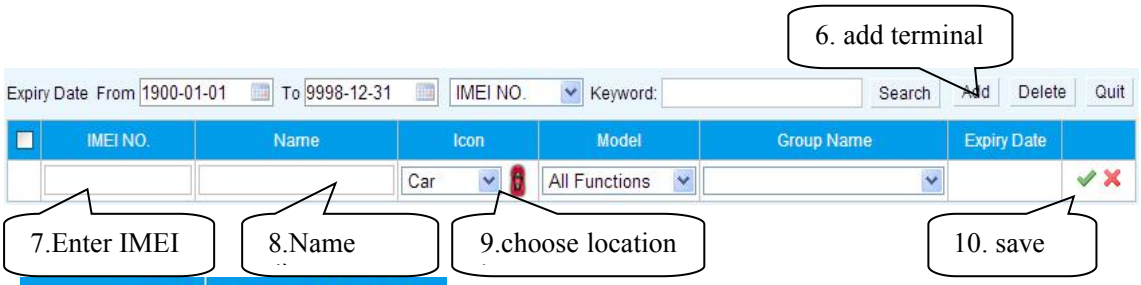
6.30.1 **Register an account**

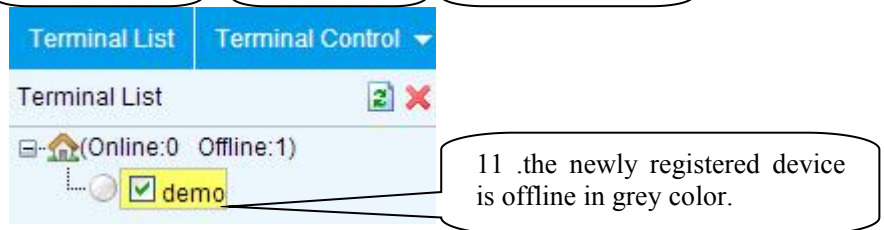
6.30.2 **Login**



6.30.3 **Add a terminal**







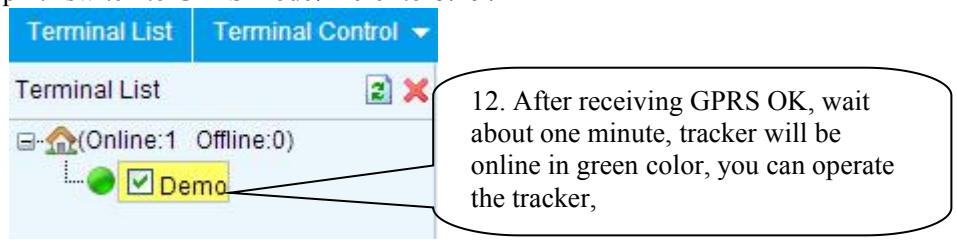
6.30.4 Configure your tracker to web platform to track it online

Step 1：set APN，refer to 6.29.1

Step 2：set GPRS user name and password，refer to 6.29.2

Step 3： set IP and port, please use the corresponding IP and port of the server you choose, refer to 6.29.3

Step 4：switch to GPRS mode，refer to 6.29.4



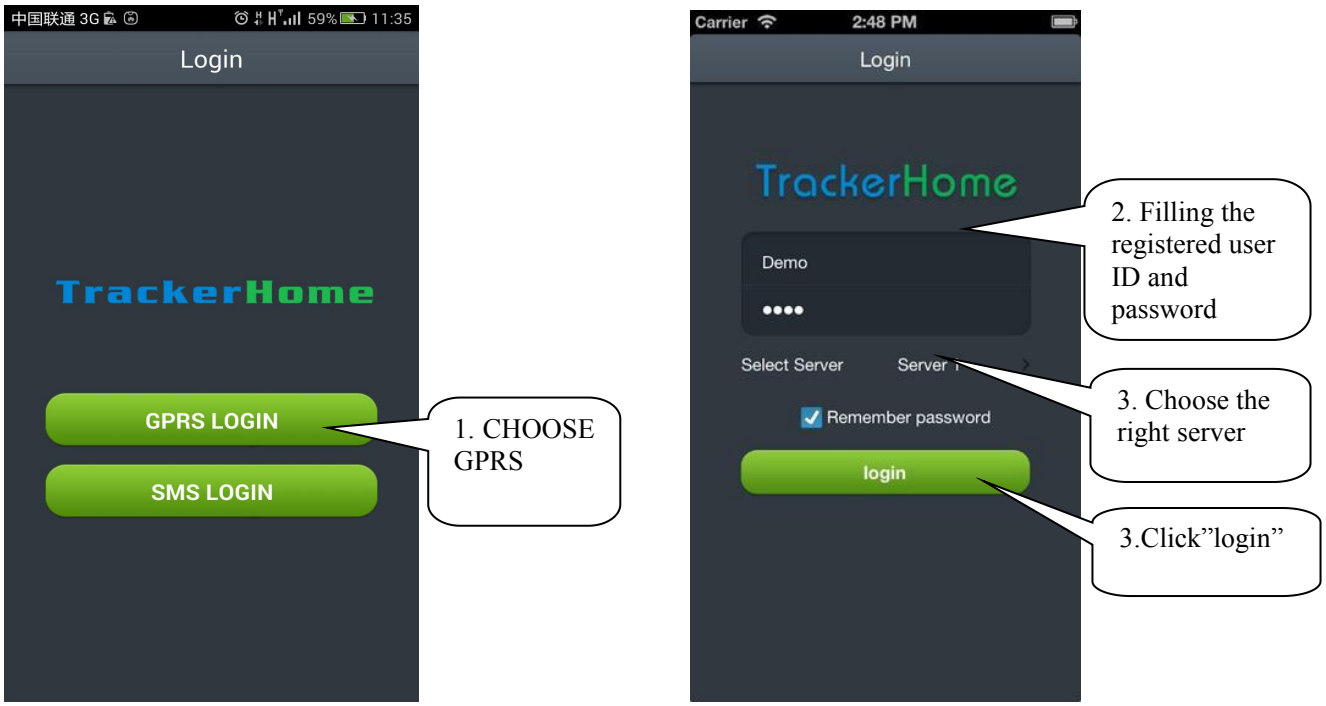
6.30.5 If the tracker is always offline (grey color), make sure the SIM card subscribe the GPRS service, and have money to surf the Internet, you can use phone to test the sim card can surf the Internet or not. please check the APN, user name, password, IP, port settings are correct, refer to 6.26.

6.30.6 IOS &Android mobile APP

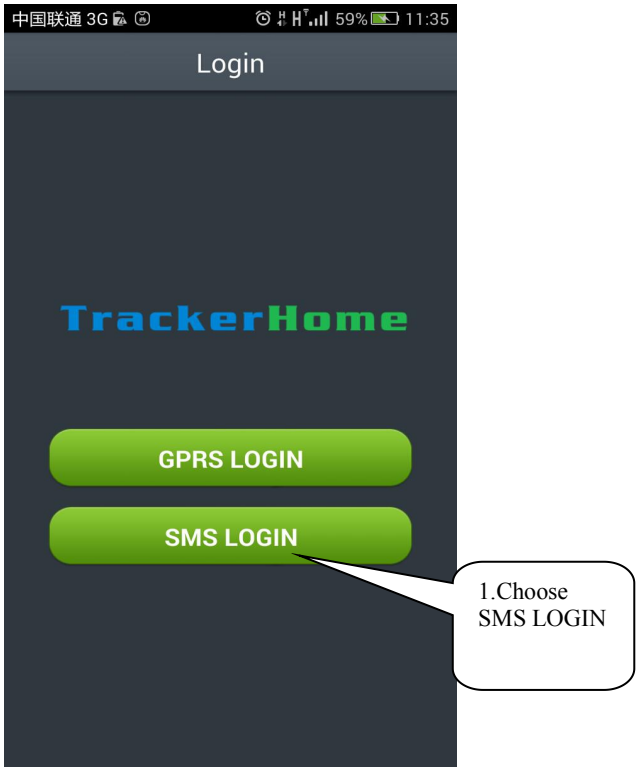
6.30.6.1 Download and install the mobile APP software

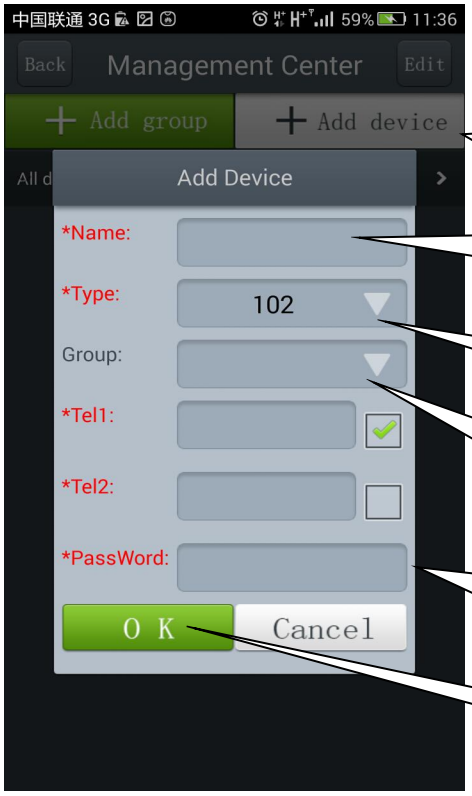
According to your phone type, download and install mobile app below the home page on web tracking platform

6.30.6.2 Login in and use the mobile APP under GPRS version



6.30 .6.3 login in and use the mobile APP under SMS version





4.Choose “add device”

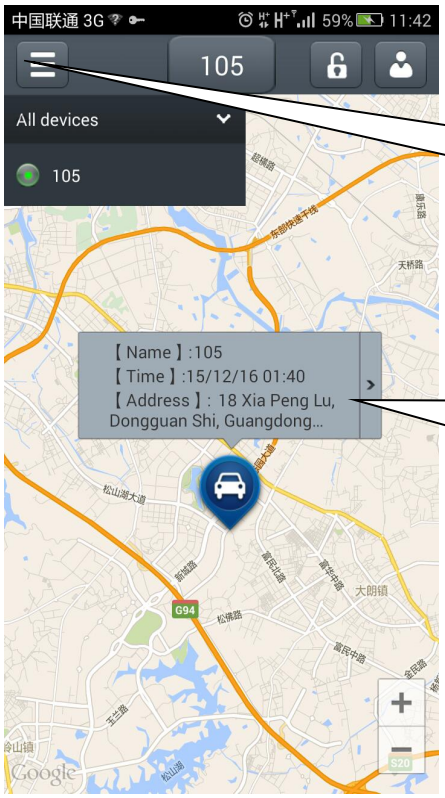
5. Filling the device name

6.Choose the type

7. Filling the SIM PHONE NUMBER

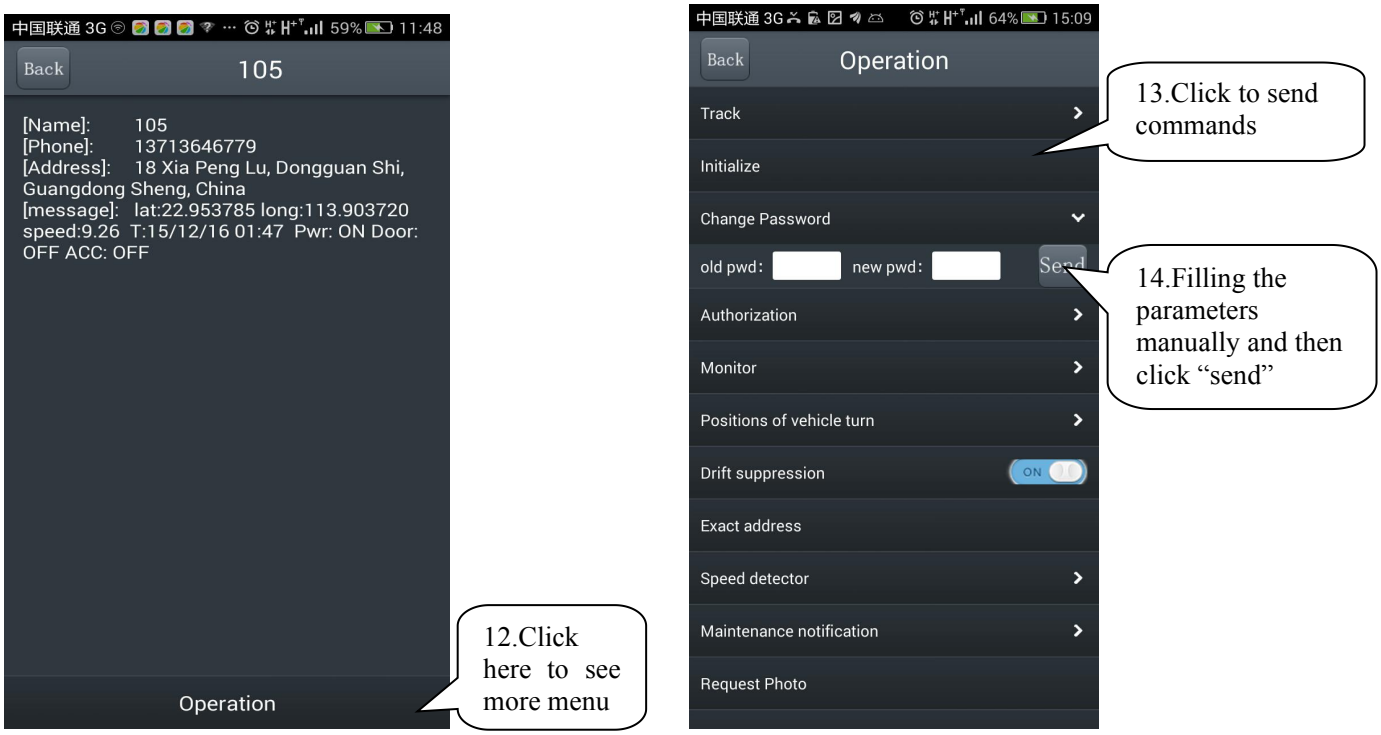
8.Filling the tracker’s password

9.Click “ok”



10. Click the icon, and dispaly the list

11. Click here to operate the device



Remarks: APP on Android phone can track the address and show alarm by SMS; IOS APP can only send commands due to the confined policy

7. Cautions

please comply with the instructions to extend the unit life:：

1.Keep the unit dry. Any liquid, i.e. rain, moisture, may destroy or damage the inside circuitry.

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

3.Don’t put the unit in overheated or overcooled places.

4.Handle carefully. Don’t vibrate or shake it violently.

5. Use a dry cloth, do not use chemical agents and cleaners.

6. Please do not paint the device, this may lead to internal circuit fault.

7. Don’t disassemble or refit the unit

8. Please read the user manual carefully before installation and operation, learn something more about the voltage range. Otherwise, it won’t work properly or destroy the product.

8. Faults & the Solutions

Faults	Solution
Fail to turn it on	Please check if battery is charged
No GSM signal	● Please check if SIM card installed correctly. ● Please check if SIM card is GSM network. ● Don't turn on the PIN code ● no calls can be diverted ● Please check if voltage of the power is normal
No GPS	A more open view of the sky is recommended to make sure the device can receive the GPS signal normally.
No reply to SMS command	Password wrong or the format is wrong.
No reply to calling & No alarm message	Authorized / admin phone number is incorrect or has not setup