GPS Tracker ST-902A
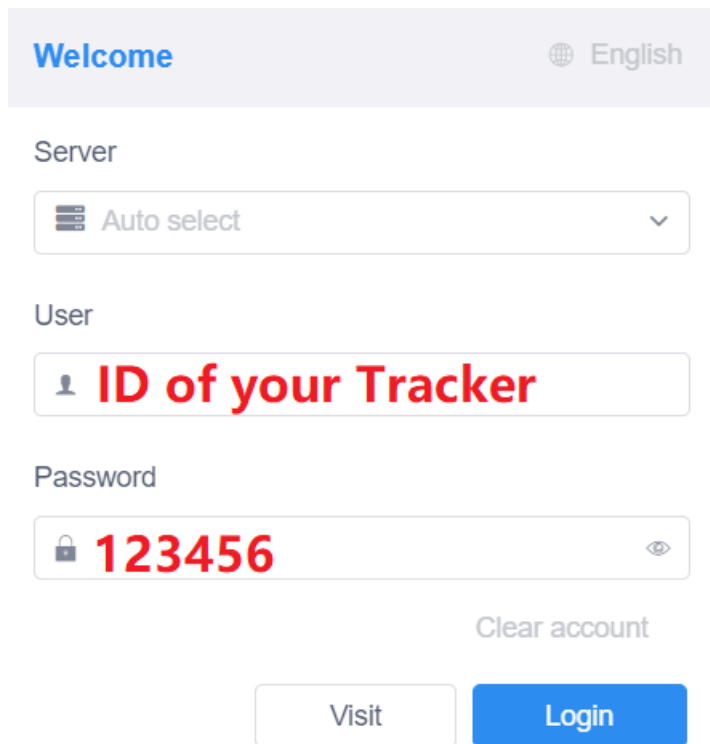
(ST-902AL　4G)

User Manual

ST-902A

ID:31050036177

Quick Start

Thank you for purchasing our GPS tracker.
This Quick User shows how to operate the device smoothly and correctly.

WEBSITE Tracking (PC Version):

Platform: Pro.SinoTrack.com

User name: ID on the tracker

Password: 123456

APPLICATION Tracking (Mobile APP):

You can search **SinoTrack PRO** on APP Store (iOS) or Google Play (Android)
Or Download from the QR Code:

Server: Pro.SinoTrack
User Name: ID number on tracker
Password: 123456

If you have **more SinoTrack GPS trackers**, and want to manage them in one account, please contact us, we will create an account for you, so you can monitor **multiple devices** on the platform at the same time.

1. Choose GSM card, it should be Micro SIM card, without PIN code.

Normal SIM   Micro SIM   Nano SIM

2. Proper insert GSM card, the tracker will start, connect external power supply.

3. Put device outside around 30s, LED lights will keep lighting on stands for device can work normally.

4. Dialing device number, it will hang up and reply tracking message with valid Lon and lat.

5. Please send SMS to tracker to set the APN: (the yellow place ▮ is BLANK)
SMS: **8030000 APN**
(APN is Access Point Name of your SIM Card, please check with your SIM Card provider if you don't know it)

If the APN need User name and Password, please send the command:
SMS: **8030000 APN APNuser APNpassword**

For example: if you use Vodafone (pre-pay) in UK, the APN is
pp.vodafone.co.uk, APN User is **wap**, APN pass is **wap**
You should send SMS command: 8030000 pp.vodafone.co.uk wap wap
(Send SMS:Send SMS command from your mobile to the SIM Card in Tracker)

6. Send SMS to set trackers to our server: (in default, don't need to change)
SMS: **8040000 45.112.204.246 8090**

How to install:

It is plug and play device, connect it to OBD connector is ok.
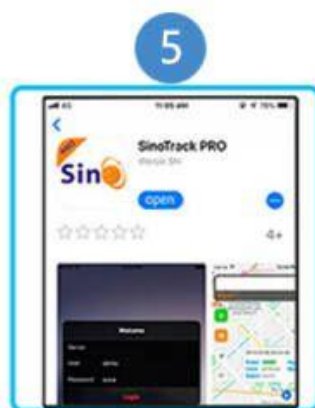

1 Charge 1 hour for the tracker before you test

2 Open the plastic cover

3 Insert SIM card with chip facing upwards

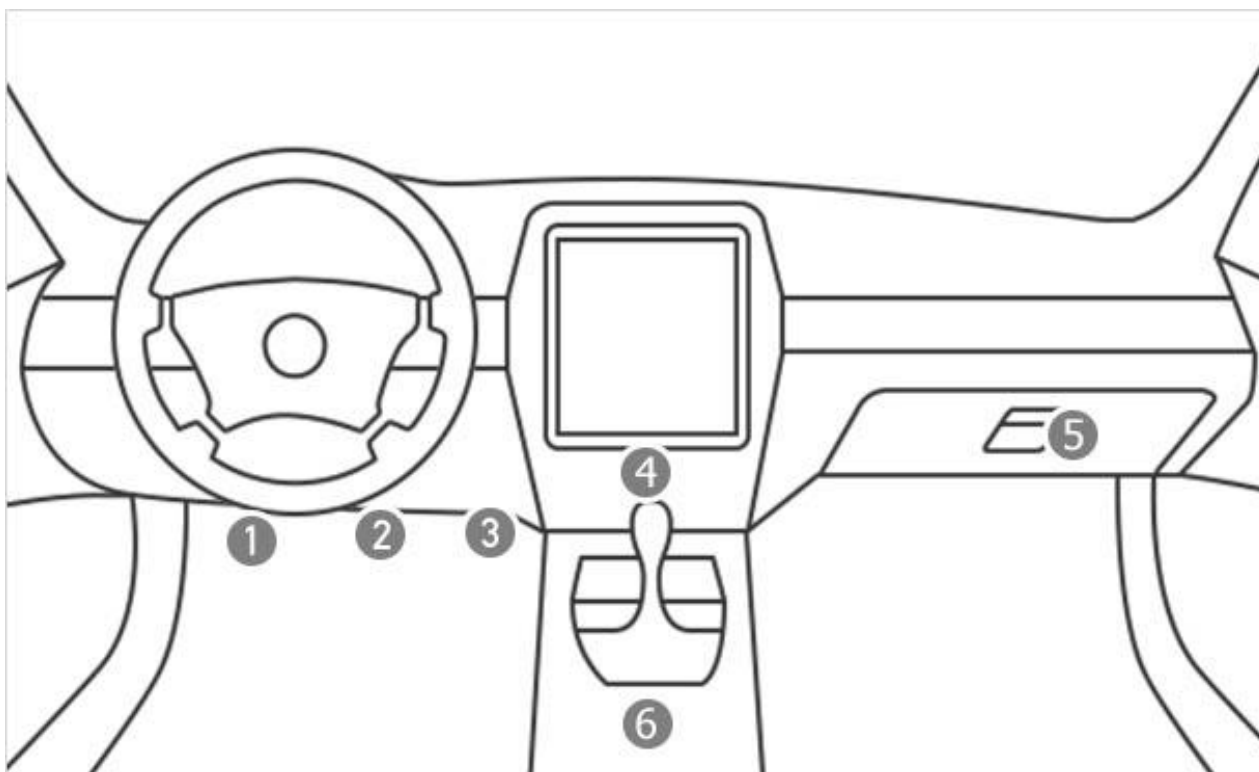**4** Scan the QR code of the User Manual

5 Download free software

6 Login
Server: SinoTracking
User: Product ID
Password: 123456

How to find the OBD connector on your car:

There are 6 places you may find the connector (most of car in the 1 place)

LED Status

1.1. Blue LED--- GPS Status

Status	Meaning
Flashing	No GPS Signal or GPS starting
ON	GPS OK

1.2. Orange LED---GSM Status

Status	Meaning
Flashing	No SIM card or GSM starting
ON	GSM OK

The default password is: 0000
The default mode is normal working (sleep off).
GPS Status: A is get location, V is invalid location.
Alarm mode is on.
Alarm will send to the 3 control number.

Functions:

1. Set control number：

Command: **Number+pass+blank+serial**

For example: you number is +86 13950443465

Sample: **139504434650000<mark>1</mark>**

+86 is country code, 13950443465 is mobile number, 0000 is password, 1 is serial means the first number.

When the tracker replies "SET OK" means the setting is ok.

You can set the second and third control number also.

Delete control number:

D101#   (delete the first control number)

D102#   (delete the second control number)

D103#   (delete the third control number)

2. Working mode:

ST-902A has both SMS and GPRS working mode.

1. If you want to control it by mobile and use SMS only, you can get Google location from you mobile, then you can choose SMS mode.

2. If you want to monitor the tracker online real time, and you want to install the tracker data for years, you should choose the GPRS mode.

You can send SMS to choose the mode.

SMS Mode: (Default)

Command: **700+Password**

Sample: **7000000**

Reply: SET OK

When ST-902A receives the command, it will change to SMS mode.

GPRS Mode:

Command: **710+Password**

Sample: **7100000**

Reply: SET OK

When ST-902A receives the command, it will change to GPRS mode.

3. Change Password
Command: **777+New Password+Old password**
Sample: **77712340000**
The 1234 is new password, and 0000 is old password.
When ST-902A received the command, it will reply SET OK

4. Get location with Google link
Command: **669+password**
Sample: **6690000**
When ST-902A receives the command, it will read the GPS data, and send back the location with Google link; You can open the link to check the tracker location on maps.

5. Get location by phone call.
You can use any mobile to call the SIM Card in tracker, it will reply the location with Google link;you can open the link to check the tracker location on maps.

When you call the tracker when it is in invalid location, it will reply the last valid location to you, after it get new location again, it will send the seconds SMS to you with new location.

6. Change Time Zone
Command: **896+password+E/W+HH**
Sample: **8960000E00 (default)**
E means East, W means west, 00 mean time zone.
Reply: SET OK
0 time zone is 8960000E00

7. Geo Fence (send alarm to the first number only)

Open Geo Fence: **211+password**

Sample: **2110000**

Reply: SET OK

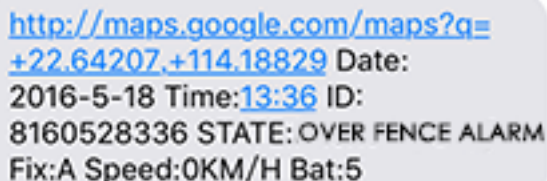Close Geo Fence: **210+password**

Sample: **2100000**

Reply: SET OK

Set the Geo Fence

Sample: **0050000 1000 (the Geo Fence is 1000 meters)**

Reply SET OK

We suggest the Geo Fence more than 1000 meters.

> http://maps.google.com/maps?q=
> +22.64207,+114.18829 Date:
> 2016-5-18 Time:13:36 ID:
> 8160528336 STATE: OVER FENCE ALARM
> Fix:A Speed:0KM/H Bat:5

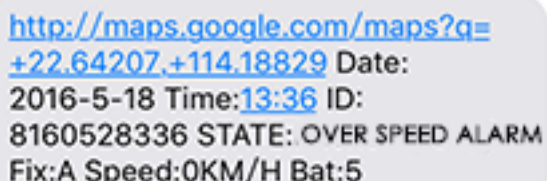## 8. Over speed Alarm (send Alarm to control numbers)

Command: **122+password＋Blank+XXX**

Sample: **1220000 120**

Reply: SET OK

The XXX is the speed, from 0 to 999, the unit is KM/H.

If the XXX is 0, it means close the over speed alarm.

> http://maps.google.com/maps?q=
> +22.64207,+114.18829 Date:
> 2016-5-18 Time:13:36 ID:
> 8160528336 STATE: OVER SPEED ALARM
> Fix:A Speed:0KM/H Bat:5

9. Mileage

Set the initial Mileage

Command: **142+Password<+M+X>**

Reply: MILEAGE RESET OK

Sample: **1420000M1000**

Reply: SET OK, CURRENT: 1000

Red the current Mileage

Command: **143+password**

Sample: **1430000**

Reply: CURRENT TOTAL MILEAGE:XX.

XX is the mileage, the unit is meter.

10. Shock Alarm (send SMS alarm to the first number)

Open Shock Alarm: **181+password+T**
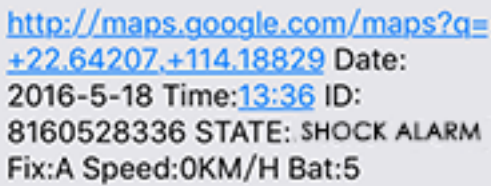
Sample: **1810000T10**

Reply: SET OK

The T meaning shocking time, the unit is second,

It from 0 to 120 senconds.

Close Shock Alarm: **180+password**
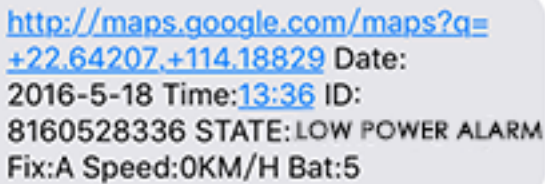
Sample: **1800000**

Reply: SET OK

> http://maps.google.com/maps?q=
> +22.64207,+114.18829 Date:
> 2016-5-18 Time:13:36 ID:
> 8160528336 STATE: SHOCK ALARM
> Fix:A Speed:0KM/H Bat:5

11. Low battery alarm (send SMS to first number)

When the battery is low, the tracker will send the Low Power Alarm SMS to the first number

> http://maps.google.com/maps?q=
> +22.64207,+114.18829 Date:
> 2016-5-18 Time:13:36 ID:
> 8160528336 STATE:LOW POWER ALARM
> Fix:A Speed:0KM/H Bat:5

When the battery is Full, Bat:5, means 100%; Bat:4 means 80%, Bat:3 means 60%, Bat:2 means 40%, Bat:1 means 20%. When the Bat is 1, it will send low battery alarm.

12. Call mode

Call mode on:

Command: **150+password**

Sample: **1500000**

Reply: SET OK

Call mode off

Command: **151+password**

Sample: **1510000**

Reply: SET OK

When the call mode on, the alarms will call and send SMS to control number,

When the call mode off, only send SMS.

13. Sleep mode

Open Sleep mode
Command: **SLEEP0000 1**
Reply: SET OK

Close Sleep mode
Command: **SLEEP0000 0**
Reply: SET OK

14. Set APN

Command 1: **803+password+Blank+APN**
Sample: **8030000 CMNET**
Reply: SET OK

If your APN need user and pass:
Command : **803+password+Blank+APN+Blank+APNuser+Blank+APNpass**
Sample: **8030000 CMNET CMNET CMNET**
Reply: SET OK

15. Set the IP and Port

Command: **804+password+Blank+IP+Blank+Port**
SMS: **8040000 45.112.204.246 8090**
Reply: SET OK

16. Set the time interval (default is 20 seconds)

Command**: 805+password+Blank+T**
Sample**: 8050000 20**
Reply: SET OK
T means the time interval, the unit is second,
It from 0 to 180 seconds,
The minimum time interval is 10 seconds.

When T=0 means close GPRS.

Online Track:

Please login from Pro.SinoTrack.com or http://45.112.204.246

You can also down load our APPS on website to track on your mobile:
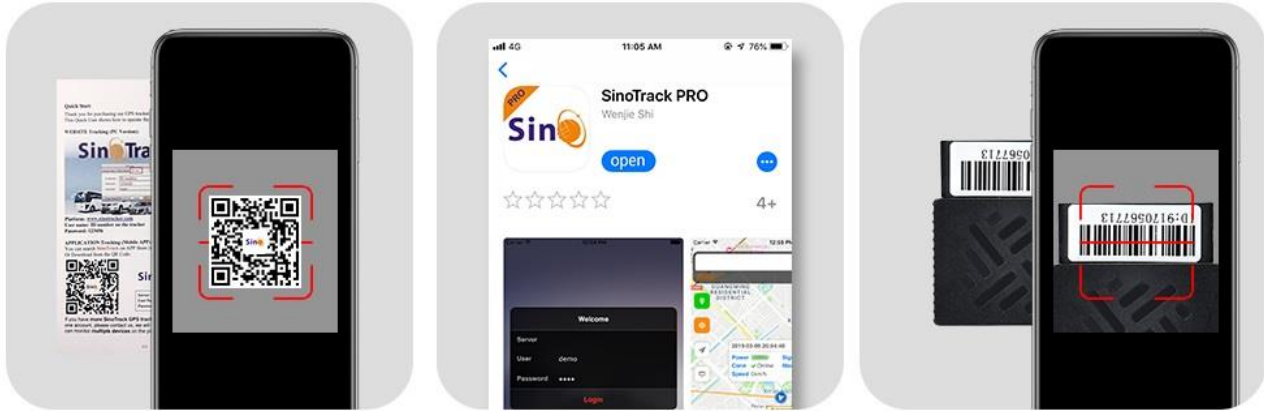
Other Functions:

1. **RESTART**
   The tracker will restart.
2. **RCONF**
   Read the configure of tracker

Tracker will reply:
ST-902A,ID: 8160528336,UP:0000,U1:,U2:,U3:,MODE:GPRS
GEO FENCE: OFF,OVER SPEED:OFF, VOICE:ON, SHAKE
ALARM:OFF,SLEEP:OFF,APN:INTERNET,,,IP:45.112.204.246:8090,
GPRSUPLOAD TIME:20, TIME ZONE:E00

ST-902A：software version

ID：8160528336 (Tracker ID)

UP：0000 (password, default is 0000)

U1：the first control number,**U2**：the second control number,

U3：the third control number.

MODE:GPRS (working mode, default is GPRS)

GEO FENCE: OFF (Geo Fence, default off)

OVER SPEED:OFF (over speed, default off)

VOICE:ON (Call mode, default on)

SHAKE ALARM:OFF (Shock Alarm, default off)

SLEEP MODE : OFF (sleep mode, default off)

APN:INTERNET,,, (APN, default is INTERNET)

IP:45.112.204.246:8090 (The IP and Port)

GPRS UPLOAD TIME:20 (time interval)

TIME ZONE:E00 (Time zone, default is +0)