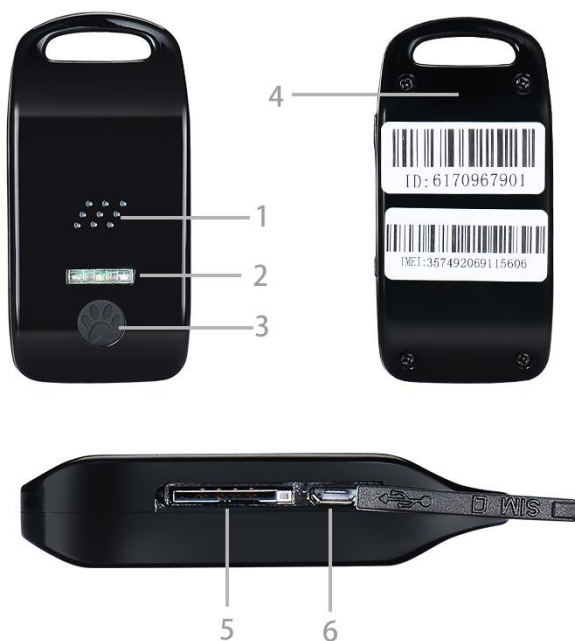# SinoTrack GPS TRACKER USER MANUAL

PREFACE

Thank you for purchasing SinoTrack 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.

Content	Specs.
Dim.	ST-903:28*20*48mm ST-904:78*38*22mm
Weight	ST-903:56g ST-904:75g
Network	GSM/GPRS
Band	850/900/1800/1900Mhz
GPS sensitivity	-159dBm
GPS accuracy	5m
Battery	ST-903:3.7V 1050mAh battery ST-904:3.7V 1500mAh battery
Stand by	15-20 days
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +55°C
Humidity	5%--95% non-condensing
Car charger	12-24V input ; 5V-1A output
Wall charger	110-220V input ; 5V-1A output

2. Hardware Description

1. **Speaker**

2. **Indicator Light**

3. **SOS Button**

4. **MIC**

5. **SIM Card Slot**

6. **USB Charger Slot**

INDICATOR LIGHT STATUS	MEANING
Yellow light –On	GPRS connection
Yellow light –Flash	No GPRS signal
Blue light –On	GPS connection
Blue light –Flash	No GPS signal
Red light –On	Tracker is Charging
Red light –Off	Tracker is not Charging

Note: GSM SIM CARD INSTALLATION GUIDE:

Only GSM SIM card works in this model
If you use 3G or 4G card, please confirm it should has GSM function.
Please confirm the SIM Card without PIN Code.

ST-904
Normal SIM

ST-903
Micro SIM

Nano SIM

3. TURN ON THE DEVICE

● Open the rubber cover; insert the SIM card (chip up) to the slot.
● The indicator light is on when SIM card is inserted.
● The device gets GPS location when there is GPS signal and gets LBS location when there is no GPS signal.
● The device automatically turns off when the SIM card is removed.

4.SMS TRACKING

Note: The yellow space ▌ is a blank in SMS command.

4.1. Call the SIM card phone number in tracker, you will receive a Google Maps link of position,or sending message "6690000" to SIM card phone number in tracker . E.g:

6690000

http://maps.google.com/maps?
q=+22.64212,+114.18814 Date:
2017-12-6 Time:1:45 ID:
6170999999 Fix:V Speed:0.0KM/H
Bat:80%

4.2. Admin number setting (After admin number setting, all SMS

operations to the device are under this number only.)

Command: phone number+password1 （This phone number is your own mobile phone number , not the SIM card number in tracker .）
Reply: SET OK!

E.g: 132657901800000 1

Voice Monitor:
Send command **66** to the GPS Tracker from control number,
The tracker will call back to this control number.

Or you can use admin number call the tracker to monitor.

When the unit is in over-speed alarm, shake sensor alarm, or low

battery alarm, it will send alert to the admin number. (13265790180)
Admin number Canceling:
Command: D101#
Reply: SET OK!

4.3. Over-speed Alarm setting

Over-speed Alarm setting:
Command: 1220000070 （Suppose speed is 70km/h）
Reply: SET OK!
E.g:

SET OK

When the unit speed is over 70km/h, it will send message "speed alarm!" to the admin number every 5 minutes.

Over-speed Alarm canceling:
Command: 1220000|0
Reply: SET OK!

4.4. Shake Alarm setting

Command：1810000T10
Message Reply: SET OK!
E.g:

1810000T10

SET OK

Note: Pls keep the tracker being stationary for 5 minutes, this function will work. The tracker will send SMS "Shock alarm!" to the admin number when the unit get shocked.
Shake alarm Canceling:
Command: 1810000T0
Reply: SET OK!

4.5. SOS Alarm (For ST-904 Only)
If you press the SOS button,
It will send SMS with the location,
And call the admin number:

maps.google.com   >

Date:2018-4-14 Time:9:26 ID:
6170970487 STATE:SOS Fix:A
Speed:0KM/H Bat:5

4.6. Device working mode setting

1. WORK-Keep working mode: (it can work 30 hours)

Command: WORK0000

Reply: SET OK!

(The tracker will keep working and send data by time interval)

2. MOVE-Work when the tracker is moving: (it can work 3 to 7 days)

Command: MOVE0000

Reply: SET OK!

(Factory setting is "MOVE" mode)

(Tracker only works when it is moving, when it is stopped, it will sleep, GPS shut off, GSM works in low consumption mode. Vibration, SMS command, calling tracker can wake up the tracker to work 5 minutes.)

3. STANDBY-SMS or Call to tracker, it will work 5 minutes.

(it can standby 12 days)

Command: STANDBY0000

Reply: SET OK!

(Standby mode, GPS shut off, GSM works in low consumption. SMS, calling can wake up the tracker to work 5 minutes.)

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

Command: 8960000E00

Reply: SET OK!

8960000E00

SET OK

E.g:

8960000E01

8960000W01

8960000E00

4.8 Reset Hardware
Command: RESET
Reply: SET OK!

4.9 Read the Configure data
Command: RCONF
Reply: the ID, work mode, IP and Port, APN of tracker.

5. EXPLANATION OF PARAMETERS/CODES IN SMS MESSAGE

RCONF

ST-904,ID:9170913138,UP:
0000,U1:15820479500,U2:,U3:,MO
DE:GPRS-WORK,DAILY:OFF,GEO
FENCE:OFF,OVER
SPEED:OFF,VOICE:ON,SHAKE
ALARM:OFF,SLEEP:OFF

,APN:internet,,,IP:
45.112.204.245:8090,GPRS
UPLOAD TIME:20,TIME ZONE:0.0

It's the setting of tracker

◆ **ST-904(ST-903)** the model of tracker.
◆ **ID:9170913138** the ID of GPS Tracker
◆ **UP:0000** the password of SMS
◆ **U1:,U2:,U3:** The control number
◆ **MODE: GPRS-MOVE:** GPS work mode.
◆ **DAILY:OFF,GEO FENCE:OFF,OVER SPEED:OFF, VOICE:ON, SHAKE ALARM:OFF,SLEEP:ON** status of tracker
◆ **APN: internet** APN of the SIM Card
◆ **IP:45.112.204.245:8090** the IP and Port of tracker
◆ **GPRS UPLOAD TIME:20** is the GPS time interval
◆ **TIME ZONE:0.0** time zone of tracker

6. START ONLINE TRACKING

Every sim card carrier has own APN content, we have two methods to find out apn content : check sim card carrier on internet or put sim card into cell phone to find out APN

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)

E.g:

For MTN SIM card in South Africa, we got APN information below.
APN name:internet
APN username:
APN password:

Send SMS to set apn below

8030000 internet

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

E.g:

For tesco mobile SIM card in UK, we got APN information below.
APN name:prepay.tesco-mobile.com
APN username:tescowap
APN password:password

Send SMS to set apn below

8030000 prepay.tesco-mobile.com tescowap password
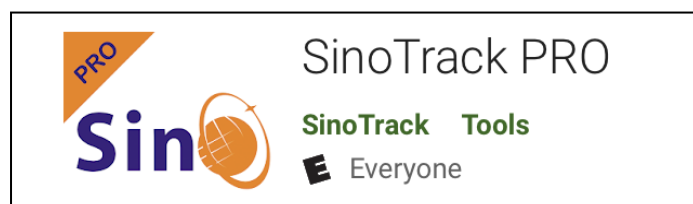
6.1 WEBSITE TRACKING

WEBSITE Tracking (PC Version):

Platform: www.sinotrackpro.com
User name: ID number on the tracker
Password: 123456

6.2 APPLICATIONS FOR ANDROID/IOS

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

Server: SinoTrackPRO
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.

Welcome	
Server	SinoTrackPro
User	ID number
Password	123456
Visit	Login

Choose Server SinoTrackPro

7. Notices:

1.GPS tracking can be worked outdoor.

2.Please make sure GSM SIM card 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.

6.Do not assembly and disassembly device at will.

8. FAQ and processing methods.

FAQ	Instructions/Solutions
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 ● 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	Password wrong or the format is wrong.
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	Please check if APN is correctly set. And please find out the correct APN content of the SIM card. (Please refer to 6 setting.)
Platform position is difference from the actual position.	No upload position time or GPS signal: call the device phone number and receive the position message. If it no GPS signal. The position is the last GPS positioning location; If it has GPS signal, it means the device doesn't reach the uploading time.