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SinoTrack GPS Tracker ST-901 User Manual

August 14, 2021 August 13, 2022



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SinoTrack GPS Tracker ST-901 User Manual



Blue LED— GPS Status

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

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 (ACC Mode).

GPS Status: A is get location, V is an invalid location.

The alarm mode is on.

The alarm will send to the 3 control number.

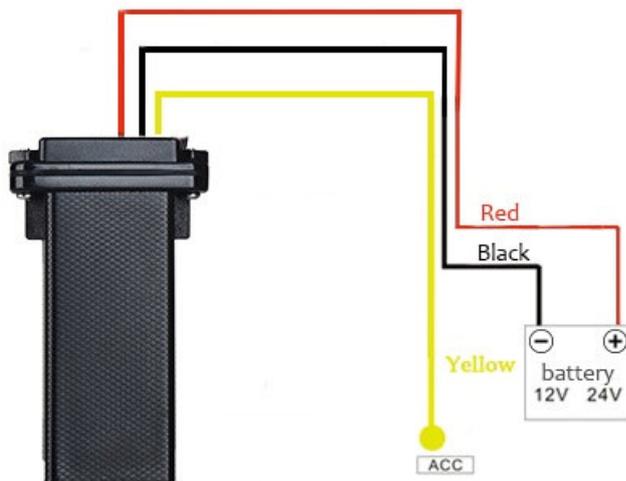
Battery 5 is 100%, 1 is 20%; the battery is from 1 to 5.

Installation:

1. The GPS antenna side should towards to clear sky.
(Can't put under Metal, but Glass and Plastic is ok)



2. Connect the wires:



Functions:

1. Set control number

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

Sample: **139504434650000 1**

13950443465 is a mobile number, 0000 is the password, 1 is serial means the first number.

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

You can set the second and third control number also.

2. Working mode:

ST-901 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 your mobile, then you can choose SMS mode.

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

You can send an SMS to choose the mode.

SMS Mode: (Default)

Command: **700+Password**

Sample: 7000000

Reply: SET OK

When ST-901 receives the command, it will change to SMS mode.

GPRS Mode:

Command: **710+Password**

Sample: 7100000

Reply: SET OK

When ST-901 receives the command, it will change to GPRS mode.

3. Change Password

Command: **777+New Password+Old password**

Sample: **77712340000**

1234 is the new password, and the 0000 is the old password.

When ST-901 received the command, it will reply SET OK

4. Get location with Google link

Command: **669+password**

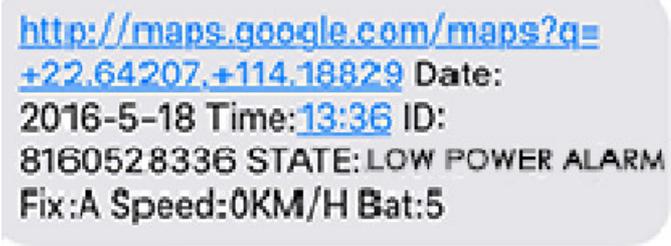
Sample: **6690000**

When ST-901 receives the command, it will read the GPS data, and send back the location with a Google link; you



6690000

can open the link to check the tracker location on maps.



<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

<http://maps.google.com/maps?+=+22.64207+114.18829>

5. Get location by phone call.

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



<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

<http://maps.google.com/maps?+=+22.64207+114.18829>

When you call the tracker when it is in an invalid location, it will reply the last valid location to you, after it gets the

new location again, it will send the seconds SMS to you with a new location.

6. Change Time Zone

Command: **896+password+Blank+E/W+HH**

Sample: **8960000E00 (default)**

E means East, W means west, 00 meantime zone.

Reply: SET OK

0-time zone is 8960000 00

7. Send location in defined time every day.

It will send to the first control number.

Command: **665+password+HHMM**

HH means the hour, it from 00 to 23,

MM means minutes, it from 00 to 59.

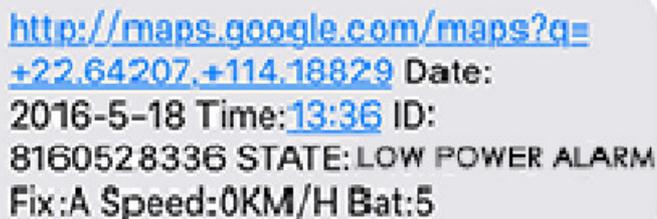
Sample: **66500001219**

Reply: SET OK

Close the function command: **665+password+OFF (default)**

Sample: **6650000OFF**

Reply: SET OK



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

[http://maps.google.com/maps?="+22.64207+114.18829](http://maps.google.com/maps?=)

8. Geo-Fence (send an 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](http://maps.google.com/maps?q=) Date:
2016-5-18 Time:13:36 ID:
8160528336 STATE:LOW POWER ALARM
Fix:A Speed:0KM/H Bat:5

[http://maps.google.com/maps?="+22.64207+114.18829](http://maps.google.com/maps?=)

9. Over-speed Alarm (send Alarm to control numbers)

Command: **122 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](http://maps.google.com/maps?q=) Date:
2016-5-18 Time:13:36 ID:
8160528336 STATE:LOW POWER ALARM
Fix:A Speed:0KM/H Bat:5

[http://maps.google.com/maps?="+22.64207+114.18829](http://maps.google.com/maps?=)

10. Mileage

Set the initial Mileage

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

X is the initial Mileage, the unit is meter.

Sample: **1420000**

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.

11. 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 is from 0 to 120 seconds.

Close Shock Alarm: **180+password**

Sample: **1800000**

Reply: SET OK

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

[http://maps.google.com/maps?="+22.64207+114.18829](http://maps.google.com/maps?=)

12. 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](http://maps.google.com/maps?q=) Date:
2016-5-18 Time:13:36 ID:
8160528336 STATE:LOW POWER ALARM
Fix:A Speed:0KM/H Bat:5

[http://maps.google.com/maps?="+22.64207+114.18829](http://maps.google.com/maps?=)

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.

13. 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 the control number,

When the call mode off, only send SMS.

14. Set APN

Command 1: **803+password+Blank+APN**

Sample: **8030000 CMNET**

Reply: **SET OK**

If your APN need user and pass:

Command 2: **803+password+Blank+ APN+Blank+ APN user+Blank+ APN pass**

Sample: **8030000 CMNET CMNET CMNET**

Reply: SET OK

15. Set the IP and Port

Command: **804+password+Blank+IP+Blank+Port**

Sample: **8040000 103.243.182.54 8090**

Reply: SET OK

16. **Set the time interval**

ACC on 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 18000 seconds,

When T=0 means close GPRS.

ACC off time interval (**default is 300 seconds**)

Command: **809+password+Blank+T**

Sample: **8090000 300**

Reply: SET OK

T means the time interval, the unit is second,

It from 0 to 18000 seconds,

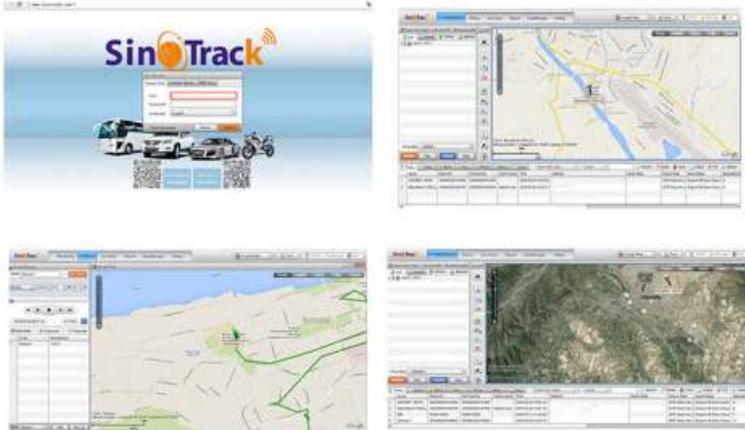
When T=0 means close GPRS.

The minimum time interval is 5 seconds.

Online Track:

Please login from www.sinotrack.com or <http://103.243.182.54>

If you use our tracker, you can use it for FREE.



You can also download our APPS on the website to track on your mobile:



Other Functions:

1. RESTART

The tracker will restart.

2. RCONF

Read the configure of the tracker

The tracker will reply:

AU08,ID: 8160528336,UP:0000,U1:,U2:,U3:,MODE:GPRS

DAILY:OFF,GEO FENCE: OFF,OVER SPEED:OFF

VOICE:ON,SHAKE

ALARM:OFF,SLEEP:OFF,APN:CMNET,,IP:103.243.182.54:8090,GPRSUPLOAD TIME:20

TIME ZONE:E00

AU08: 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)

DAILY: OFF (Daily time to report, default off)

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:CMNET,, (APN, default is CMNET)

IP:103.243.182.54:8090 (The IP and Port)

GPRS UPLOAD TIME:20 (time interval)

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

FAQS

How much is it a month?

Our tracking platform for free to use life time. But you need to buy a local SIM card with 3G network. If you live in America, we recommend Speed Talk SIM card, monthly \$5.
the tracker use 30MB data per month.

Will the device work w/o connecting the acc or orange wire? giving it constant power...

The device will work perfectly fine without the ORANGE/ACC wire.

Is it possible to switch kph to mph?

Sorry, can't change.

Will it work with AT&T?

Yes, it work with AT&T.

Does anyone know if you can use boostmobile?

Yes, you can use any sim card even boost . Get the 2GB data plan chepest or normal line still gona work

Sending command "8040000 149.56.170.158 5013" returns setting the port to 149. command wont change the ip address from sinotrack default. help!?

Please charge it about 2 hours,then take it to the outside which signal good place to get GPRS signal. Then send sms RESET to the tracker, when you get reply,you can setting your tracker again.

Does anyone know if you can use boost mobile?

Yes, you can use any sim card even boost . Get the 2GB data plan chepest or normal line still gona work

Map app stock in last location any suggestion or help?

Please send sms RCONF to the tracker and tell us the reply, so that we can help you check if something set wrong.
Our support: support@sinotrack.com

What is does the orange wire connect to in a vehicle? i looked up acc and it is automatic cruise control. on old vehicle what should it connect to?

It's connect to ACC.

If your car no this ACC port, then you don't need to connect, tracker still can work.

Which side has the antenna? Does the angled side face up or down?

It's ID number side.

It work with 12v?

Yes,it can work with 9-80V.

How to get the battery level?

Send an SMS with "BAT", for example "BAT 5".

How to get the location?

You can get the location by SMS or GPRS.

why the sinotrack app reports my user id as not active? the tracker is activated and responds to the sms commands accordingly.

Maybe something set wrong. Please send sms RCONF to the tracker and tell us the reply by screenshot. We will

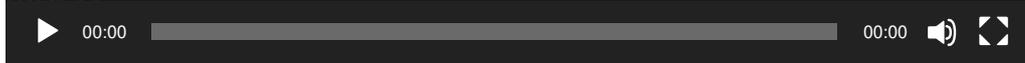
help you check it.

Our service: support@sinotrack.com, will reply you within 24 hours.

Is st-901w 3g vehicle car gps tracker can use at north marianas island(saipan)?

This tracker support 2G and 3G network, if your SIM card support these network,then can work at your place.

VIDEO



<https://manuals.plus/wp-content/uploads/2021/08/SinoTrack-GPS-Tracker-ST-901.mp4>



www.sinotrack.com

Documents / Resources



[SinoTrack GPS Tracker ST-901](#) [pdf] User Manual
Sino, GPS Tracker, ST-901

References

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X3 Vehicle GPS Tracker



[SinoTrack GPS TRACKER User Manual](#)

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[POLAR Loop Activity Tracker User Manual](#)

[WanWayTech GPS Tracker G19H User Manual](#)

G19H USER MANUAL Thank you for choosing WanWayTech GPS Tracker. The instruction manual will explain in detail how...



Join the Conversation



1.



2.



3.

3 Comments



1. **Claudio** says:

[September 1, 2021 at 11:41 am](#)

I bought gps tracker st-901 on the supplied manual c and wrote (st-901 w 3g / 4g) i inserted 4g card and it doesn't work.

Ho comprato gps tracker st-901 sul manuale in dotazione c e scritto (st-901 w 3g/4g) ho inserito scheda 4g e non funziona.

[Reply](#)



2. **Nabin Timilsina** says:

[March 26, 2022 at 1:35 pm](#)

Can we use the Sinotrack St-901 Pro GPS Tracker for our own app to track vehicle by multiple user to only one device, how can this be possible

[Reply](#)



3. **Tony Drahaman** says:

[May 27, 2022 at 7:07 pm](#)

how can I set the current time ?

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