

CCTR-623 Pets GPS Tracker User Manual ---201703

Welcome to use this pets GPS tracker. This product is with GPS module and GSM module, it receive GPS Location (outdoor,10-20m precision) & LBS location (indoor,50-500m precision) and upload the location to internet server (the history tracking will keep 6-12 months on the server), user login server with given user name & password can locate the tracker. It contains high capacity rechargeable polymer battery (440mAH), standby time can reach 5-7 days (working mode 4), 5 minutes interval upload LBS location working time can reach 3-4days (working mode 3), 5 minutes interval upload GPS location working time can reach 1-2days (working mode 2). This tracker is water-proof & mini size, and easy to lock on the pets collar, it is suit for dog, cat, outdoor tracking.

The tracking website is www.999gps.net , visiting this website & login with the given use name & password, the last location will display on the map (the default given user name & password is the last 7 digital of the tracker ID, the ID label is on the back of the tracker or on the PCB board inside the case), using Android App or iOS iPhone App also can tracking the tracker, the user name & password is same with the website. Sending sms also can get location Google map link.

Scan the following QR code can download & install app on mobile phone.



[iPhone App Download](#)



[Android App Download](#)

Scan the following QR code or click the following link can download or read online the manual in Word or Pdf format.

Word Version: <http://www.999gps.org/en/CCTR-623-GPStracker-en-V1.doc>

Pdf Version: <http://www.999gps.org/en/CCTR-623-GPStracker-en-V1.pdf>



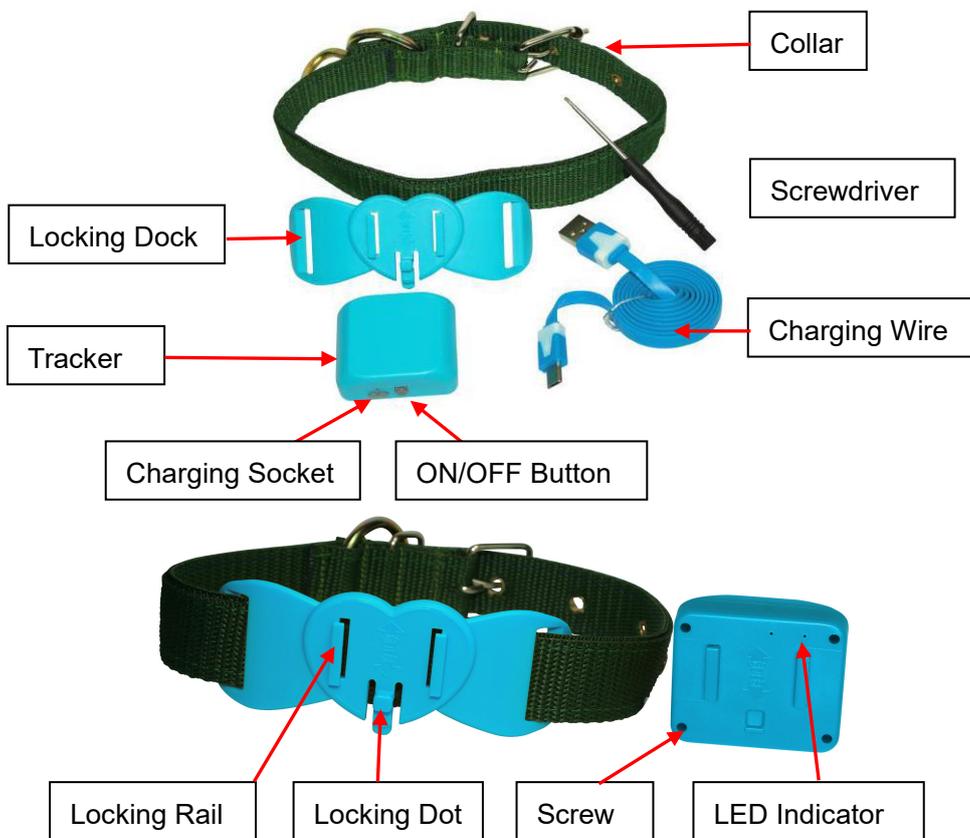
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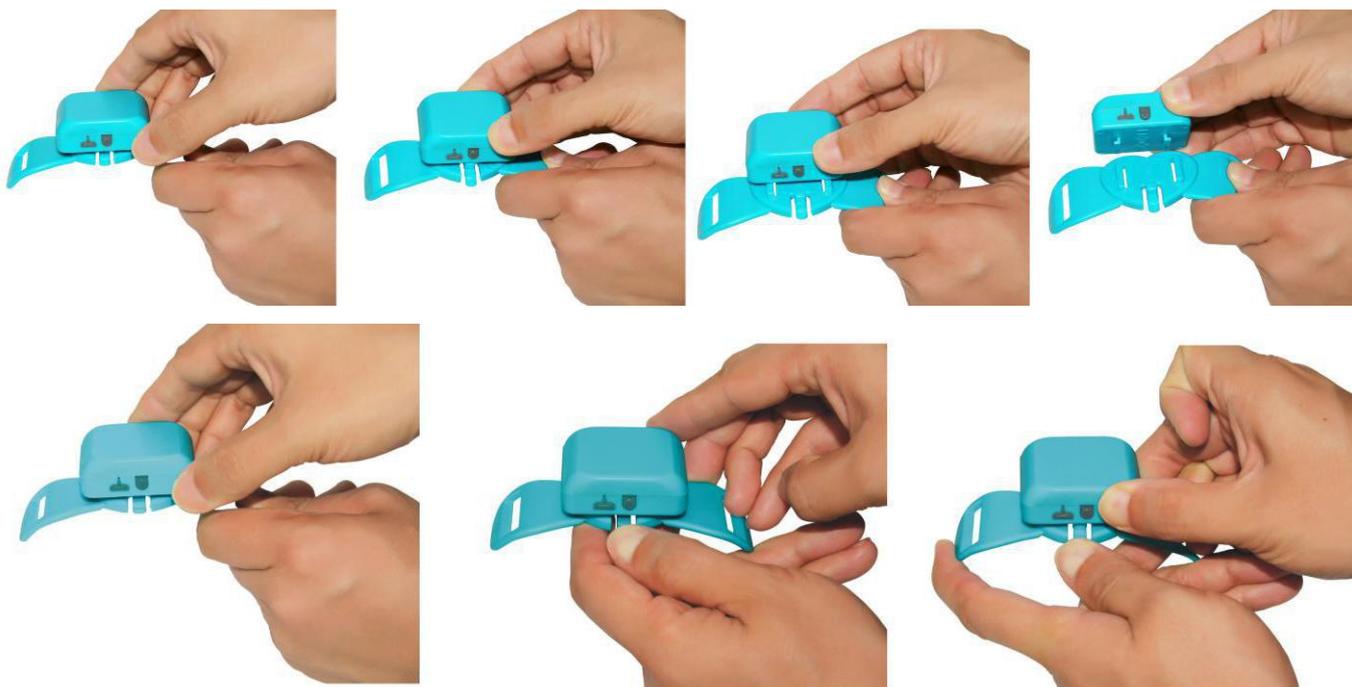
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Product & Lock Unlock:

CCTR-623 tracker 1 set, 1 locking dock, 1 collar, 1 screwdriver, 1 USB Charging Wire, Manual (CD or Print), AC Charger (Optional).



Lock unlock the tracker from the locking dock.



Fasten dock & tracker on the pets collar.



Function Specification:

- Water-proof, suit for pets;
- Easy lock unlock, easy using;
- Mini size & weight (40g) suit for pets;
- Standby time up to 5-7 days (working mode 4);
- Working time can reach 3-4days (mode 3, LBS, 5 minutes);
- Working time can reach 1-2days (mode 2, GPS, 5 minutes);
- Geo-Fence Alarm can be set on platform;
- GPS + LBS can be used indoor locate;
- Auto configure APN;
- Low Battery Alarm.
- App/Web/SMS/Calling Locate;
- History tracking data will keep 6-12 months on server;
- Life time free platform service charge.
- Universal 4 Band GSM module;

Before Using:

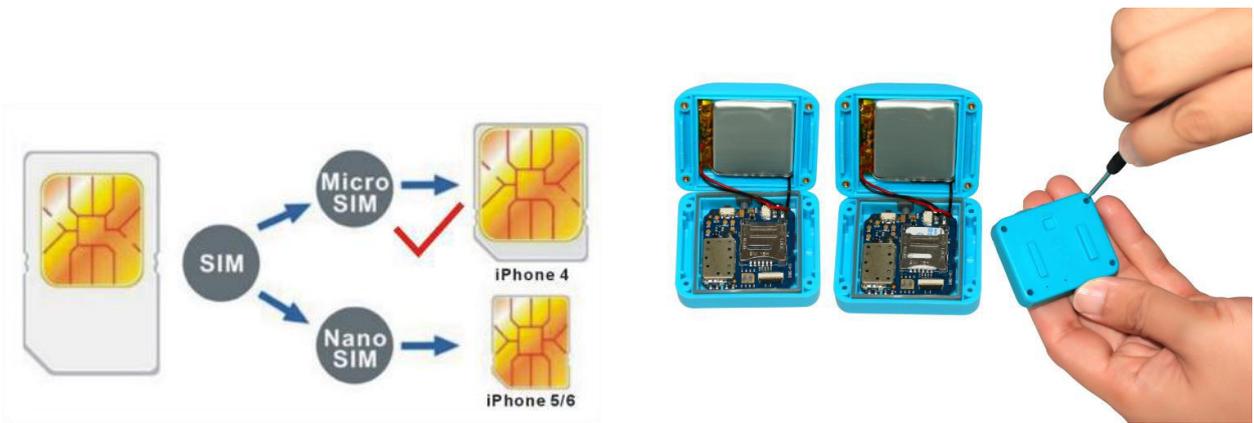
1. Power On/Off

Power On: Press and hold the Button ON/OFF over 5 seconds and then the LED will turn on and flash, then release the button ,and the tracker is powered ON.

Power Off: If the tracker is powered ON, press and hold the ON/OFF button over 5 seconds and then the LED will turn off, then release the button ,and the tracker is powered OFF.

2. SIM Card Installation(Micro card)

This tracker need a micro SIM card (every month need about 10M GPRS data according the different working mode, order an data package can save money), Open the back screw with screwdriver, and open the case from the the side without button, and the SIM card socket can be seen, pull the SIM card metal cover to “OPEN” direction, and the cover can be opened up, and put the SIM card in the holder (Metal pin face to down), close the metal cover and push the metal cover to “LOCK” direction, then cove the case and fasten the screw is OK.



Note:

- A. This GPS tracker use 2G GSM network, and it upload tracking only through GPRS, it can not work in CDMA network or 3G(WCDMA or CDMA2000) network. (Some 3G & 4G SIM card can use in 2G GSM network, this kind of 3G & 4G SIM card can use in this tracker)
- B. This GPS tracker use micro SIM card (Cut the standard SIM card can get Micro SIM Card, this SIM card size is same with iPhone 4/4S, not the iPhone 5/5S/6 Nano SIM Card).
- C. Enable the SIM card GPRS data service and Caller ID Function (Some card maybe need using mobile phone to send SMS to service hot line to enable the GPRS data service).
- D. Before installing or uninstalling the SIM card, please power off the tracker.

3. Recharging

This GPS tracker uses the 5V DC voltage to recharge, connect the tracker charging micro USB socket to the AC charger or PC USB, the GPS tracker will begin to recharge, about 1-2 hours, the battery will be full.



4. Low Battery Alarm

When the tracker battery voltage is low than 10%, the tracker will send battery low information SMS to the authorized phone number (the authorized phone number should be added first). A few hours later, the tracker will turn off after the battery is gone out.

5. Reset to Factory Configure

Send the SMS command to the tracker can reset to the factory configuration. The SMS command is factory#. the tracker will delete all user setting and back to factory configuration and repower on.

Notes: After back to default set, all IP / APN / GPRS / Language / Timezone / Alarm Setting etc are

deleted and back to factory setting, just like a new product, all authorized phone number are deleted and password change to 123456, all the alarm setting is canceled, if the IP/APN/GPRS name & password/TIMEZONE are changed, and you need set these again by sending SMS.

6、GPS & GSM Antenna

The Antenna of GSM and GPS are built in the GPS tracker.if can not locate please change a place to try again.

7. Using Condition

The working temperature is -20℃ to 60℃, over this range the specification maybe can not reach the standard level. the storage temperature can reach to -40℃ to 80℃.

Simply Using Step

1. First to buy a 2G GSM phone SIM card and enable GPRS service, order a data package (Normally will use about 10M GPRS data every month), install in the tracker, please refer the above **Before Using 2.**

2. Press any ON/OFF button till the tracker power on, first time using please put the tracker outdoor for easy get GPS & GSM signal.

3. Please add authorized phone number first, send SMS to tracker to set your mobile phone number as center or slave center number (pw,123456,center,yourphonenumber#) , then you can use your mobile phone to send SMS to change the setting of the tracker or control the tracker. please refer the following **Locate Operation & Setting 1. (Only the center or slave center number can send SMS or call the tracker to change the setting of the tracker or control the tracker)**

4. Send SMS "123#" or "url#" to the tracker with authorized phone, a few minutes later, the tracker will reply the tracker location with location description or Google map link by SMS. Please refer the following **Locate Operation & Setting 3 & 4.**

5. Visit & login the tracking platform www.999gps.net, display current location, playback history tracking etc can be operated, platform user name and password is the last 7 digital numbers of the tracker's ID (the ID is print on the battery, for example ID is : 1456301688, and then the user name is : 6301688, password is :6301688, user can change the password).

6. iPhone Android App,Wap,WeChat also use the same user name and password with website login, downloading & installation please refer the platform operation guide.

7. This tracker can auto download & configure APN & GPRS user name & password, if the auto configure is not right, the tracker can not upload location to server, then you need send SMS to tracker to change the APN & GPRS manually, and send "test#" to tracker can check the tracker setting, call the tracker SIM card supplier to confirm the APN & GPRS is right, please refer **Locate Operation & Setting 11** to set APN & GPRS username and password.

8. Send SMS to tracker with authorized phone can change the working mode, Please refer the following **Locate Operation & Setting 6.**

Locate Operation & Setting

Only center or slave center number can send SMS to control or change the setting of the the tracker, the alarm SMS will send to center and slave center number, but the alarm calling only call to center number, so please send SMS to tracker to set the center or slave center number first. Adding country code before the center or slave center number will be better.

1. Add authorized phone number (Set center and slave center number)

Send SMS "pw,123456,center,13987654321#" to the tracker to set center number, Send SMS "pw,123456,slave,13912345678#" to the tracker to set slave center number,123456 is the tracker default password, 13987654321 and 13912345678 are the mobile phone number, the tracker will reply set center or slave number OK. If the tracker has no reply, please check the tracker work properly and confirm the SMS command is right. Set new center or slave center number will overwrite the old center or slave center number.

Send SMS "pw,123456,center,d#" or "pw,123456,slave,d#" to the tracker can delete the old center or slave center number.

The center or slave center number all can control the tracker, but the alarm information only can be sent to the center number by SMS or calling.

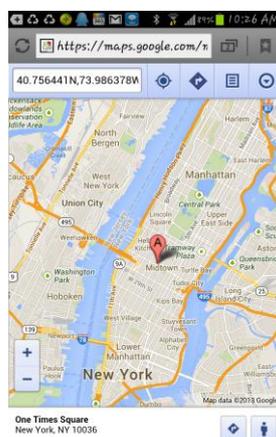
2. Sending SMS to Locate with Google map link

Send SMS "url#" to the tracker with authorized number (center or slave center number), the tracker will reply a google link of current location to user by SMS, user click the link to visit website, the current location will display on the google map. If the tracker has no reply, please check the tracker work properly and confirm the SMS command is right.

The "url#" command will reply the following SMS:

<https://maps.google.com/maps?q=N22.6775,E114.1518>

Click the above link, the map like following will display on mobile phone.



3. Sending SMS to Locate with location description in text:

Send SMS "123#" to the tracker with authorized number (center or slave center number), the tracker will reply text description of current location to user by SMS, If the tracker has no reply, please check the tracker work properly and confirm the SMS command is right.

The "123#" command will reply the following SMS:



Some time the location description can not get, then the tracker will change to reply location Google map link like above.

4. LBS Locate (Cell ID Locate without GPS Signal)

When send SMS "123#" or "url#" to the tracker with authorized number (center or slave center number) to trigger the tracker to locate , if the tracker is indoor and has not GPS signal, the tracker will change to locate with LBS method (locate with GSM network base location), and reply the location with Google map link, the following SMS is an example.

url: [No Locate]

<http://maps.google.com/maps?q=N40.756441,W73.986378>

Note: The LBS location precision is not very high, in the city maybe 30-50 meters, in country side maybe over 300 meters according the GSM base station density. So this location only can be used as a reference location.

5. Change Tracker Password

Send SMS "pw,112233#" to the tracker with authorized number (center or slave center number), the "112233" is an sample of the new password of the tracker, this command will change the tracker password to new password 112233, the tracker will reply "Password 112233 set success!", If the tracker has no reply, please check the tracker work properly and confirm the SMS command is right.

Note: the tracker password (Default password is 123456) is not the password login the tracking platform, this password is used to add authorized number by SMS, for better security please change the tracker password after begin to use the tracker.

6. Change Tracker Working Mode

This tracker has 4 working mode, default working mode is 2, sending SMS to tracker can change the working mode, the working mode description as follow:

1. Mode 1 (Real Time Mode): GPS and GSM module will work continuously, tracker will upload the location to server according the interval time setting, under this mode, the battery exhaust will be very fast (30 seconds upload 1 location the battery only can be used 2-3 hours). and the location update on App & Web maybe have 30 seconds delay (The delay time is decide by setting time interval).

Send SMS "m1,60#" to the tracker with authorized number (center or slave center number), the "60" is the upload time interval (min is 30 & max is 65535), unit is seconds, this command will set the tracker working mode is mode 1, and the upload time interval is 60 seconds.

2. Mode 2 (Power Saving Mode): **This working mode is default working mode**, under this mode, GPS will turn on & locate every 300 seconds (5 minutes), after located upload the location to the sever, and then turn off the GPS & GPRS, under this mode, the battery can be used longer (1-2 days). and the location update on App & Web maybe have 300 seconds delay (The delay time is decide by setting time interval).

Send SMS "m2,600#" to the tracker with authorized number (center or slave center number), the "600" is the upload time interval (min is 300 & max is 65535), unit is seconds, this command will set the tracker working mode is mode 2, and the upload time interval is 600 seconds.

3. Mode 3 (LBS Locate Mode): Under this mode, the tracker will not turn on GPS to locate, it only use LBS (Mobile phone base station locate technology) to locate tracker every 300 seconds (Can be changed), after located upload the location to the sever, under this mode, the battery can be used more longer (3-4 days). and the location update on App & Web maybe have 300 seconds delay (The delay time is decide by setting time interval), and the location precision is not very high (City maybe 30-50 meters, and country side maybe over a few hundreds meters), but the tracker can be confirmed around a area. In this working mode the GPS module is turned off all the time, but sending SMS (123# & url#) can triggered the tracker turn on the GPS to locate one time.

Send SMS "m3,300#" to the tracker with authorized number (center or slave center number), the "600" is the upload time interval (min is 30 & max is 65535), unit is seconds, this command will set the tracker working mode is mode 3, and the upload time interval is 300 seconds.

4. Mode 4 (Standby Mode): Under this mode, the tracker will not use GPS or LBS to locate, it only can be located by SMS (123# or url#), no platform necessary, and it will not upload location to server, under this mode, the battery can be used more & more longer (5-7 days). and the location update on App & Web will not updated. In this working mode the GPS module is turned off all the time, but sending SMS (123# & url#) can triggered the tracker turn on the GPS to locate one time.

Send SMS "m4#" to the tracker with authorized number (center or slave center number), this command will set the tracker working mode is mode 4.

7. Set the Upload Time Interval

Send SMS "upload,60#" to the tracker with authorized number (center or slave center number), the "60" is an sample of the upload time interval (min is 30 & max is 65535,mode 2 min is 300), unit is seconds, this command will change the tracker upload time interval, the tracker will reply "Set upload 300s !", If the tracker has no reply, please check the tracker work properly and confirm the SMS command is right.

8. Set the local time zone

Send SMS "lz,0,z#" to the tracker with authorized number (center or slave center number), the "z" is the customer local time zone, for example NewYork time zone is -5, then z is -5, Tokyo time zone is +9,so the z is 9, the watch time is corrected by GPS time, so normally the watch display time is GMT time, you need set the time zone, and then the watch display time will change to your local time.

9. Set Sleep Time to Save Battery Power

Send SMS "sleep,x,y#" to the tracker with authorized number (center or slave center number), the "x" is the time tracker begin to go to sleep, and the "y" is the time tracker stop sleep and weak up from sleep, the format is HH (24 hours), if the y is smaller than x, it means the weak time is the second day, for example, sending SMS "sleep,22,8" to tracker, the tracker will begin to sleep from 22:00 o'clock, and weak up from 08:00 o'clock, the tracker will reply "Set sleep 22,8 ", If the tracker has no reply, please check the tracker work properly and confirm the SMS command is right.

Set sleep time can extend the battery time, for example set the sleep time from 22:00 to 08:00 can extend the battery time even up to 50%. Before setting the sleep time please set the time zone first, otherwise the setting time is GMT time (time zone is 0).

10. Low Battery Alarm

The battery power has 4 levels, when the battery power reach to level 1, the tracker will send a battery low alarm information SMS to center number, if the battery power is too low, the tracker will turn off automatically.

11. Set APN & GPRS Username and Password

This tracker can auto download the APN & GPRS setting according the SIM card, if the auto configure of the APN & GPRS are not right, you can send SMS to tracker to set the the APN & GPRS.

Send SMS "apn,xxx#" or "apn,xxx,plmn,yyy#" or "apn,xxx,user,uuu,pd,ppp,plmn,yyy,#" to the tracker with authorized number (center or slave center number), the xxx is apn name, yyy is the tracker SIM card mobile company code, uuu is GPRS user name, ppp is GPRS password, if you can not confirm this, please search on internet or call your tracker SIM card mobile company to confirm.

Some SIM card need GPRS user name & password, some SIM card do not need, please call the SIM card supplier to confirm. If sending SMS can locate, but the location can not check on the app or web, please confirm the APN setting is right.

12. Check Tracker Current Setting

Send SMS "ts#" to the tracker with authorized number (center or slave center number), the tracker will

reply current setting to user by SMS, this command can be used to check the tracker working status, and to adjust the tracker is working well or not. The following is an example:

```
ver:TQ-v0.1-2014/09/28-22:51;ID:1456301688;ip:58.64.155.133;port:8500;center:13987654321;slave:13876543210;upload:300s;work mode:2;bat level:3;signal level:100; GPS:OK(7); GPRS:OK(100); LED:OFF;
```

- Ver: Software version time
- ID: Tracker ID number
- Ip,port: Platform IP & port
- Center: Cneter number
- Slave: Slave number
- Upload: Upload time interval
- Workmode: Working mode
- Bat level: Battery Level
- Signal level:100: GSM signal level
- GPS: Satellite number
- GPRS: GPRS signal level
- LED: LED ON or OFF

13. Reset Tracker

Send SMS "reset#" to the tracker with authorized number (center or slave center number), the tracker will power off and power on again, some time the tracker can not online, send the reset command, the tracker will re-power on a few minutes later.

14. Restore to Factory Setting (Back to Default)

Send SMS "factory#" to the tracker with authorized number (center or slave center number), the tracker will delete all user setting, and restore all setting to factory mode, just like a new tracker, and the tracker will repower on after delete user setting. If the user have changed the setting, such as APN, IP, center number, etc, you need set this again after back to factory mode

Platform Operation

The platform operation please refer the platform operation guide, scan the following QR code or click the website link to download the platform manual, visit website www.999gps.net and click the Manual icon also can download the platform manual.



[Platform User Guide Word Version](#)



[Platform User Guide Word Version](#)

Trouble Shooting

1. Please confirm that the SIM card PIN code has been disabled, it means if mobile phone use this SIM card, it is not necessary to input any password.
2. This tracker use 2G GSM network, and it upload tracking only through 2G GPRS, some 3G & 4G card have 2G GSM network, this kind of SIM card can be used in this tracker.
3. The tracking data on our server will keep 6-12 months, the old data will be deleted.
4. After power on the tracker, call the tracker, no response, and no ring, please confirm the SIM card has been installed properly, and the SIM card has enough charge, and the mobile phone can work well in that place.
5. If the tracker can not upload location to website, please confirm the SIM card GPRS function is enabled, and the APN or GPRS username & password have been set properly (call the mobile phone to confirm the APN & GPRS username and password).
6. If the tracker can not send back information by SMS, please confirm the SIM card has ID caller display function and SMS service function, and you have set the center or slave center number (only center or slave center number can send SMS), and please read the SMS information of the tracker sending back, and check the instruction & password is right or not.
7. Can not login the platform: use SMS to check the ID of the tracker, and try it again, if not success please contact distributor.
8. After go out the under ground park, some tracking maybe lost, the GSM and GPS module will take a few minutes to receive signal and re-locate, some tracking maybe lost, this is normal.
9. Some time some location point is lost, this is normal, in the transmit process, some point maybe is lost, but this will not happen very often.

Specification:

GSM Module	MTK	GPS Module	MTK
GSM Frequency	850/900/1800/1900Mhz (4 Band)	GPS channel	24 channels
GSM / GPS Antenna	Built in	Locate precision	10-20 Meters
GPS Cold Start Time	36 seconds	GPS Hot Start Time	1 second

Working Voltage	5V DC	Recharging Current	< 5V/400mA
Standby Current	< 10 mA	Uploading Current	<150mA / 5V
Battery	440mAh	Working Temperature	-20 °C to +55 °C
Absolute Temperature	-35 °C to +70 °C	Storage Temperature	-40 °C to +80 °C

Warranty

This system has been tested before sold. We strongly recommend you to get this system installed by professional. There is a one-year warranty except the following condition:

1. Installed, fixed, or changed by personally or unprofessional.
2. Warranty will eliminate if the ownership of the tracker has been changed.
3. Parts damaged by man-made.
4. Battery, adapter, wires, etc.

Warning: this device is just a auxiliary product that applying the location of current object, we have not any responsibility if you have damage or lost in using this tracker.

Customer			
User Mobile Phone		Tracker SIM card	
Date	Year	month	day
Model	CCTR-623	Serial Number	
Distributor			

Notes: The explanation of this manual is belonged to our company, some small changes may not notice customer, if you have any problem please contact us, thanks !