

## **CCTR-700 GPS TRACKER USER MANUAL**

- **Welcome to use this GPS tracker CCTR-700. It has many new functions, such as recording tracking, uploading history tracking to website, uploading current location to website, locating immediately and sending SMS with latitude and longitude, built in shock sensor to control power saving, object shock & move alarm, over area alarm, over speed alarm, emergency help etc.**

**Many specifications are special, such as free uploading history tracking, google map link SMS locate, waterproof, magnetic pin, shock sensor control power saving, long battery life(10-15 days, standby mode), etc.**

- **It can be used as tracking cars, company vehicles, buses, taxis, trucks, elders, children, outside workers, travelers, explorers, overlanders, pets, moving equipments, transportations, criminals etc.**
- **This product is with GPS module and GSM module. The user can call the tracker with mobile phone and then the tracker will automatically hang up the call. When the GPS module received the GPS signal, it will get the latitude and longitude, and then upload the location to our website through GPRS or send the information (latitude, longitude, speed, battery, time etc) to the caller by SMS. The user can visit our free website [www.followmegps.com](http://www.followmegps.com) and input the latitude and longitude information, then the location will be displayed on the map(It is unnecessary for the user to download any software, but certainly the user can change the map to satellite earth map or flat map); or the user can visit our free register website [www.followmegps.net](http://www.followmegps.net) to register personal name (Use the serial number of the product to register on the website). To sign in, the user can upload the tracking to the website, and also can display the tracking on the map, which is completely free, but only available to the products from our company.**
- **Service charge is not necessary for this product, and the only charge is the SMS sending charge or GPRS data charge without voice talking charge and service charge for which the charge is very low to the user. The user can use the GSM prepaid phone card, which needs SMS, incoming caller ID display and GPRS function (If the user needs to upload the tracking through GPRS).**
- **Our free latitude and longitude located map website:**

<http://www.followmegps.com>

- Our free uploading tracking and displaying map website:

<http://www.followmegps.net>

- Google earth down load website:

<http://earth.google.com>

- **Packing list**

- GPS tracker, car charger, USB charger wire, manual.



- **Before Using**

At first to buy a GSM phone SIM card, which needs SMS service and incoming caller ID display function (If you' d like to upload the tracking, the card should enable GPRS function), and then to install the card to the tracker, in which, the SIM card phone number is the very tracker number and all the operations (calling and sending SMS) to the tracker is this number, such as locating immediately, add & delete preset number, changing password, enabling over speed alarm, enabling move alarm etc.

1. **Power ON / OFF**

- ◆ When power is OFF, please press the “SOS” button till the GREEN LED is ON, and then release the button and the tracker is power ON. When the LED flashes once every 4 seconds, it does mean that the tracker is ready and works well.
- ◆ When power is OFF, recharging the tracker will power on the tracker automatically.
- ◆ When the power is ON, please press the “SOS” button till the GREEN LED flashes very fast, release the button, and then press the “SOS” button 3 times, after which the GREEN LED will turn off and the tracker will power OFF.

2. **Install SIM card**

Pulling out the long narrow rubber stopple beside the tracker, you can see the SIM card socket, beside which, press the yellow switch point with a tool and then the holder will come out. Pull it out and put the SIM card in the holder and then push the holder into the tracker, (Pay attention to that the SIM card metal contact pin can not face down to the holder) at last push the long narrow rubber stopple into the tracker to cover the SIM card socket.

**Note:** Before installing or uninstalling the SIM card, you must power off the tracker.

### **3. LED flash indicator**

<b>GREEN LED Flash once</b>	<b>: working well</b>
<b>GREEN LED Flash twice</b>	<b>: working well and GPS signal weak</b>
<b>GREEN LED Flash three times</b>	<b>: working well and battery low</b>
<b>GREEN LED Flash four times</b>	<b>: working well, battery low and GPS signal weak</b>
<b>GREEN LED ON continuously</b>	<b>: GSM searching network</b>
<b>GREEN LED OFF continuously</b>	<b>: Power off</b>
<b>GREEN LED Flash fast</b>	<b>: incoming or making a call or receiving a SMS</b>
<b>RED LED Flash once</b>	<b>: begin record tracking</b>
<b>RED LED Flash twice</b>	<b>: last upload tracking fail</b>

### **4. Recharge the tracker**

- ◆ Please check and confirm that the adapter model is suitable for this tracker, for which we recommend using our OEM charger to recharge the tracker.
- ◆ Warning: this tracker only uses the 5V DC voltage to recharge, so too high voltage or AC voltage may damage the tracker or even cause accidents.
- ◆ Use the USB charging wire to recharge the tracker. Pull out the rubber stopple in the power socket on the tracker, and insert the USB wire to car adapter with tracker. If the LED on the adapter is RED, it means that it is recharging, if GREEN, it means that the recharging is finished. The recharging needs about 3-4 hours to finish.
- ◆ Use the home AC adapter to recharge the tracker. Insert USB wire to the AC adapter, others is the same with the above.
- ◆ When being recharged, the tracker can work as normal. It will take about 3-4

hours to finish the recharging. When the battery is low, the GREEN LED on tracker will flash three times, and then the tracker will automatically send battery low information to the first preset phone number. When the battery voltage is too low, the tracker will power off automatically but when you recharge the tracker, it will power on automatically.

- ◆ Theoretically, the battery life can last about 10-20days. However the standby time could be shorter in different actual situation. (For example GPS continuously ON can reduce the standby time to 1-2 days, also weak GSM signal can reduce the standby time etc.)

#### **5. Back to default set**

Pull out the long narrow rubber stopple beside the tracker, you can see the SIM card socket, press the yellow switch point beside the socket with a tool, the holder will come out, pull it out, press the “SOS” button and don’t release, the GREEN LED will flash 10 times and turn ON continuously, and then release the “SOS” button, cover the rubber stopple on the SIM card socket, the tracker is back to default configuration, delete all preset phone number and password, the password is changed to default : 123456.

#### **6. Tracking Record Capacity**

This tracker built in flash memory, record the track point every 5-30 seconds, (if the speed is higher than 50km/h, record once every 5 seconds, if the speed is lower than 50km/h and higher than 10km/h, record once every 15 seconds, if the speed is lower than 10km/h, record once every 30 seconds, if the tracker don’t move, it will not record), total record quantity is 32768, if the speed is higher than 50 km/h, it can record over 45 hours under keep running.

#### **7. ANTENNA**

- ◆ The Antenna of GSM and GPS are built in the tracker.
- ◆ Please leave the tracker away from big metal, this will reduce the GSM and GPS signal.

#### **8. Waterproof**

The design of the tracker is IP56 level waterproof, it means the raining or sprinkling can not damage the tracker, but you can not drop the tracker into

water.

#### **9. Shock Sensor Control Power Saving**

This tracker built in shock sensor, user can enable SHOCKCONTROL function, then the shock sensor can trigger GPS ON or OFF, then when the tracker is not moving, the GPS will turn off, this can make the battery life longer.

#### **10. Using Condition**

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

#### **● Function Description**

**Preset Phone Number:** user can set 3 preset phone number, this number is used as sending SOS help, low battery alarm information and change/check tracker password and trigger the locating by calling, only preset phone number can do these operation.

- **Add/Delete/Check Preset Phone Number:** add / delete / check the preset phone number, only preset phone calling can trigger the tracker to send back location information or upload tracking to website, if the tracker have not preset phone number, any phone calling can trigger the tracker to locate and send back the location or upload tracking to website, but if the password is correct any phone can sending SMS to trigger locating whether it is preset phone number or not.
- **Change / Check Password:** change / check the tracker operation password, only preset phone can check and change password of the tracker.
- **Set langue:** the tracker can accept both chinese and english command, user can set the location information langue, if you set the langue is chinese, then the tracker sending information is chinese, the default langue is english.
- **Report location by SMS mode:** Use preset phone call the tracker, after ring 3 times, the tracker will hang up the call automatically, the tracker will locate immediately, about 30 seconds, the tracker will send the information (latitude longitude speed battery time etc) of current location to the caller by SMS, user can visit [www.followmegps.com](http://www.followmegps.com) and input latitude & longitude to locate current location on the map, if the GPS signal is too weak (such as indoor or underground park), the tracker will send the last locate information to caller. sending a SMS with

password to tracker also can trigger locate immediately.

- **Report location by Google map link mode:** Use preset phone call the tracker, after ring 3 times, the tracker will hang up the call automatically, the tracker will locate immediately, about 30 seconds, the tracker will send the information (including a Google map link and speed battery time etc, ) of current location to the caller by SMS, user can visit click the link to visit google map website to locate current location on google map by using a smart phone, if the GPS signal is too weak (such as indoor or in underground park), the tracker will send the last locate information to caller. sending a SMS with password to tracker also can trigger locate immediately.
- **Report location by upload website mode:** Use preset phone call the tracker, after ring 3 times, the tracker will hang up the call automatically, the tracker will locate immediately, about 30 seconds, the tracker will upload current location information to website ([www.followmegps.net](http://www.followmegps.net)) by GPRS and sending a SMS to caller to notice it is success or not, user can visit this website and sign in, then the current location is display on the map, if the GPS signal is too weak (such as indoor or underground park), the tracker will upload last locate information to caller. sending a SMS with password to tracker also can trigger upload current location. using this mode you need set the IP, and the GSM card need enable GPRS function.
- **Upload history tracking to website mode:** Use preset phone call the tracker, after ring 3 times, the tracker will hang up the call automatically, the tracker will upload the history tracking in the tracker memory to website ([www.followmegps.net](http://www.followmegps.net)) and sending a SMS to caller to notice it is success or not, user can visit this website and sign in, then user can display the specified period tracking on the map, sending a SMS with password to tracker also can trigger the uploading history tracking. using this mode you need set the IP, and the GSM card need enable GPRS function.
- **Sending SMS to trigger the locating or uploading:** sending a SMS to tracker with password also can trigger the tracker to locate immediately and send back information by SMS or uploading location to website.

- **Start/Stop Record tracking:** The upload tracking mode setting is just a phone calling trigger mode setting, it will not start to record tracking, user need sending a SMS to tracker to start record tracking and stop record tracking, please note that: when start record tracking, the GPS will power on continuously (STANDBY mode), this will reduce the battery life to 1-2 days, and the capacity of record point is 32768, when the memory is full, it will overwrite the early data.
- **Set GPS Power Control STANDBY Mode (Default factory mode):** Set GPS power control is STANDBY mode, then the GPS is continuously OFF and GSM is normal ON, GPS will power on when locating or record tracking, this mode is the long battery life mode, it maybe last 10-15 days. But under this mode, when the tracker can not receive GPS signal (in room or underground), it will not report location before enter room, it will report the location last located.
- **Set GPS Power Control SHOCKCONTROL Mode:** Set GPS power control is SHOCKCONTROL mode, then the GPS power ON or OFF is controlled by shock sensor, if the tracker is moving, the GPS will on continuously, if the tracker do not move over 2 minutes, the tracker will turn OFF GPS power, this mode can enlarge the battery life when recording tracking, it maybe last 5-7 days. Under this mode, when the tracker can not receive GPS signal (in room or underground), it will report location before enter room.
- **Set Power Saving (Set GPS On Off Interval):** Set GPS power saving mode (Factory default is GPS normal OFF and GSM is normal ON, GPS will power on when trigger the tracker to locate), GPS will turn on continuously when set real tracking mode, user can set the interval of the GPS on and off, then when the GPS signal is weak, the tracker send the location is the interval time before, otherwise the tracker send the location is the last time locating.
- **Set shock & move alarm:** Set shock & move alarm mode, the system will monitor the object continuously, if the shock sensor is trigger, the tracker will send alarm and location information by SMS to the phone who enable the shock alarm, and later every 2 minutes the tracker will send alarm information by SMS, if the shock sensor keep been trigger, the tracker will only alarm 3 times, and then stop alarm, user can send SMS to enable shock again, this mode will not turn on GPS, so it

will not reduce battery power.

- **Over Area Alarm (Electronic Geo-force):** Can set 2 point, the tracker will check every 5 minutes, if the tracker go out the rectangle area of the 2 point, the tracker will send alarm information by SMS to the phone who enable the over area alarm, including the latitude longitude speed battery time etc, please noted that, this mode maybe cost a lot of SMS charge and battery if the object is out of the area.
- **Over Speed Alarm:** Can set the max speed, the tracker will check every 5 minutes, if the tracker speed higher than the setting speed, the tracker will send alarm information by SMS to the phone who set the over speed alarm, including the latitude longitude speed battery time etc, please noted that, this mode maybe cost a lot of SMS charge and battery if the speed is higher than setting.
- **Real Tracking Mode:** Can set the real tracking mode, the tracker will check every preset interval time, and send location information by SMS to the phone who set the real tracking mode, including the latitude longitude speed battery time etc. please noted that, this mode will cost a lot of SMS charge and battery.
- **“SOS” :** Press the “SOS” button about 6 seconds, the tracker will send “HELP” information to all preset number by SMS, also including the latitude longitude speed battery time etc.

## ● **Function Operation**

- **Add / Delete / Check preset number:**

This tracker has 2 way to trigger the locating immediately or upload tracking, one is using preset phone number call the tracker, tracker will hang up the phone automatically, and locate immediately or upload tracking, if the preset phone number is not set, any phone calling can trigger the locating or uploading; Another is sending a SMS including password to tracker to trigger the locating or uploading, any phone can use this method, and the password is needed, so please keep your password safety.

### **1. Add preset phone number by SMS**

Send SMS“ADDPHONE\*123456\*A\*number”(Not including the quotation marks “ ”, Number means the telephone number you want preset, the following is same) to tracker is OK, “ADDPHONE” is a command; “123456” is password; “A” is preset



number location, every tracker have is 3 preset phone number location, A , B and C, so you can preset 3 phone number, if the add operation is success, the tracker will send back the information "Add Preset Phone OK", if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password".

## **2. Delete preset phone number by SMS**

Send SMS "DELETEPHONE\*123456\*A" to the tracker, "DELETEPHONE" is a command; "123456" is password; "A" is preset phone number location, there is 3 location "A", "B" and "C"; if the delete operation is success, the tracker will send back the information "Delete Preset Phone OK", if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password".

## **3. Check preset phone number by SMS**

Send SMS "CHECKPHONE\*123456" to tracker, "CHECKPHONE" is a command; "123456" is password; if the operation is success, the tracker will send back the information "Preset Phone A: 13322990998; B: 13322990033; C: 13316868198", the phone number is just an example. if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password".

## **➤ Change / Check Password**

### **1. Change tracker password**

Send SMS "CHANGEPASSWORD\*123456\*888888" to tracker, "CHANGEPASSWORD" is a command; "123456" is old password; "888888" is new password; if the operation is success, the tracker will send the information " New Password: 888888" to every preset phone number, if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password".

**Note:** Only preset phone can change the password.

### **2. Check tracker password**

Send SMS "CHECKPASSWORD" to the tracker, "CHECKPASSWORD" is a command, if the operation is success, the tracker will send back the information

**“Password: 888888”; “888888” is an example.**

**Note: Only preset phone can check the password.**

➤ **Set Langue:**

**Send SMS “ENGLISH\*123456” to the tracker, “ENGLISH” is a command, “123456” is password; if the operation is success, the tracker will send back the information “ Set Langue to English” , If the command or password is not right, the operation is fault, the tracker will send back information “Bad Command ” or “Wrong Password”. After setting the langue to english, all the SMS information is change to english, the default langue is english, also you can set the langue to chinese, replace the command “ENGLISH” to “设置中文” is OK.**

➤ **Set Calling Trigger Mode to SMS Mode: Suit for all mobile phone user.**

- 1. Send SMS “SMSMODE\*123456” to the tracker, “SMSMODE” is a command, “123456” is password; if the operation is success, the tracker will send back the information “ Set Report Mode to SMS” , if the command or password is not right, the operation is fault, the tracker will send back information “Bad Command ” or “Wrong Password”.**
- 2. Under this report mode, using preset phone call the tracker, after ring 3 times, the tracker will hang up the call automatically and locate immediately, about 30 seconds, the tracker will send back the SMS location information (latitude longitude speed battery time etc) of current location to the caller. If the tracker has not preset number, any phone call can trigger the tracker to locate immediately and send location to the caller, if the tracker has preset number, then only preset phone call can trigger the tracker to locate immediately.**
- 3. Basic Location information including Latitude, Longitude, Speed, Direction, Date & Time, Battery etc. the SMS information sample is as follow:**

**Latitude:22.680206N**

**Longitude:114.146998E**

**Speed(km/h):45.0**

**Direction(Degrees):303.30**

**GMT:2008/04/25 08:29:06.000**

**Battery:91%**

The first line is the latitude of the tracker.

The second line is the longitude of the tracker.

The third line is the speed of the tracker (the speed maybe is not zero if the object is not moving because of the GPS precision)

The fourth line is the direction of the tracker( It is the direction of the tracker moving to, from the north it is 0, and the east is 90, and the south is 180, and the west is 270, full circle is 360, it is clockwise, the direction maybe is not right if the object is not moving because of the GPS precision).

The fifth line is the GMT time and date, (this time is the world standard Greenwich time, and this time is the 0 degree longitude line time, your local time need add or minus a fixed number of hours, for example China Beijing time is GMT add 8 hours, it means it is 8 hours earlier than GMT ).

The sixth line is the tracker battery capacity, if the battery is lower than 10%, tracker will send battery low information to preset phone number.

4. If the tracker can not receive the GPS signal, it can not locate current location, then it will send the last locating information to caller, and add a warning information "GPS signal weak, Last located:" , the following information is the last locating information.
5. User visit our website [www.followmegps.com](http://www.followmegps.com) to input the latitude & longitude can locate tracker on the flat map or earth map, also user can use free Google Earth to locate the tracker.

➤ **Sending SMS to Trigger Locating and Sending Back SMS Location**

Send SMS "SMSLOCATE\*123456" to the tracker, "SMSLOCATE" is a command, "123456" is password; the tracker will locate immediately and send back the location information (latitude longitude speed battery time etc) of current location to the caller. The SMS example is same with above, if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password.

➤ **Set Calling Trigger Mode to Google Map Link Mode: Suit for smart phone user.**

1. Send SMS "LINKMODE\*123456" to the tracker, "LINKMODE" is a command, "123456" is password; if the operation is success, the tracker will send back

the information “ Set Report Mode to Google Map Link” , if the command or password is not right, the operation is fault, the tracker will send back information “Bad Command ” or “Wrong Password”.

2. Under this report mode, using preset phone call the tracker, after ring 3 times, the tracker will hang up the call automatically and locate immediately, about 30 seconds, the tracker will send back the SMS location information (Google map link and speed battery time etc) of current location to the caller. If the tracker has not preset number, any phone call can trigger the tracker to locate immediately and send location to the caller, if the tracker has preset number, then only preset phone call can trigger the tracker to locate immediately.
3. Basic Location information including Google Map Link, Speed, Direction, Date & Time, Battery etc.

the SMS information sample is as follow:

<http://maps.google.com/maps?q=40.756441,-73.986378>

Speed(km/h):45.0

Direction(Degrees):303.30

GMT:2008/04/25 08:29:06.000

Battery:91%

The first line is the current location on the google map website internet link, the following information is same as above.

4. If user use smart phone, click on the internet link to visit the google map website and the location will display on the goole map.
- Sending SMS to Trigger Locating and Sending Back Map Link Location: Suit for smart phone user.
- Send SMS “LINKLOCATE\*123456” to the tracker, “LINKLOCATE” is a command, “123456” is password; the tracker will locate immediately and send back the location information (Goolge map website internet link, speed battery time etc) of current location to the caller. The SMS example is same with above, if the command or password is not right, the operation is fault, the tracker will send back information “Bad Command ” or “Wrong Password.
- Set Upload Current Location Mode: Suit for internet user

1. Send SMS "UPLOADMODE\*123456" to the tracker, "UPLOADMODE" is a command, "123456" is password; if the operation is success, the tracker will send back the information " Set Report Mode to Upload Current Location" , if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password".
2. Under this report mode, using preset phone call the tracker, after ring 3 times, the tracker will hang up the call automatically and locate immediately, about 30 seconds, the tracker will upload current location to [www.followmegps.net](http://www.followmegps.net) through GPRS, and send a successful SMS information to caller. If the tracker has not preset number, any phone call can trigger the tracker to locate immediately and upload current location to website, if the tracker has preset number, then only preset phone call can trigger the tracker to locate immediately.
3. SMS information including, Speed, Direction, Date & Time, Battery etc.  
the SMS information sample is as follow:  
Upload location success  
Speed(km/h):45.0  
Direction(Degrees):303.30  
GMT:2008/04/25 08:29:06.000  
Battery:91%  
The information is same as above.
4. Under this mode, the GSM phone card should enable the GPRS function and user need set the IP address (the default IP address is : 121.14.148.19,2088 , the address maybe change if the server is upgraded). The command for setting IP is as follow, if the IP is not set or the website has no response the tracker will send back the information of let you set IP or website has no reponse (maybe the IP has been changed or the server computer is too busy, please try later).
5. [www.followmegps.net](http://www.followmegps.net) website is designed by our company, and it is free for our products user, it need to register first, use the serial number of the products to register is OK, one serial number only can register one user

name, if the serial number is used by other people, please contact us to delete the user name.

6. When user sign in the website, click on the tracking display menu, the display location is the latest location of the tracker.

➤ **Sending SMS to Trigger Uploading Current Location: Suit for internet user**

Send SMS "UPLOADLOCATE\*123456" to the tracker, "UPLOADLOCATE" is a command, "123456" is password; the tracker will locate immediately and upload current location to [www.followmegps.net](http://www.followmegps.net) through GPRS, and send a successful SMS information to caller. The SMS example is same with above, if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password. Also this operation need the SIM card enable GPRS function and set IP address and register first on the website.

➤ **Set Upload History Tracking Mode: Suit for internet user to check tracking**

1. Send SMS "TRACKINGMODE\*123456" to the tracker, "TRACKINGMODE" is a command, "123456" is password; if the operation is success, the tracker will send back the information " Set Report Mode to Upload History Tracking" , if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password".

2. Under this report mode, using preset phone call the tracker, after ring 3 times, the tracker will hang up the call automatically and upload history tracking in the tracker that has not been uploaded to [www.followmegps.net](http://www.followmegps.net) through GPRS, and send a successful SMS information to caller. If the tracker has not preset number, any phone call can trigger the tracker to upload history location to website, if the tracker has preset number, then only preset phone call can trigger the tracker to upload history tracking immediately.

3. SMS information including Battery etc.

the SMS information sample is as follow:

Upload tracking success

Battery:91%

The information is same as above.

4. Under this mode, the GSM phone card should enable the GPRS function and user need set the IP address (the default IP address is : 121.14.148.19,2088, the address maybe change if the server is upgraded). The command for setting IP is as follow, if the IP is not set or the website has no response the tracker will send back the information of let you set IP or website has no response (maybe the IP has been changed or the server computer is too busy, please try later).
5. [www.followmegps.net](http://www.followmegps.net) website is designed by our company, and it is free for our products user, it need to register first, use the serial number of the products to register is OK, one serial number only can register one user name, if the serial number is used by other people, please contact us to delete the user name.
6. When user sign in the website, click on the tracking display menu, the display location is the latest location of the tracker, you can specify the other data and time to display the tracking (The tracking only keep for 2 weeks on the server computer).

**Note:** Please note that “Set Mode to Upload History Tracking” is just a setting mode for phone calling trigger way, It will not start record the tracking, user need sending SMS to start & stop the record the tracking.

- **Sending SMS to Trigger Uploading history tracking:** Suit for internet user to check tracking

Send SMS “UPLOADTRACKING\*123456” to the tracker, “UPLOADTRACKING” is a command, “123456” is password; the tracker will upload history tracking in the tracker that has not been uploaded to [www.followmegps.net](http://www.followmegps.net) through GPRS, and send a successful SMS information to caller. The SMS example is same with above, if the command or password is not right, the operation is fault, the tracker will send back information “Bad Command ” or “Wrong Password. Also this operation need the SIM card enable GPRS function and set IP address and register first on the website.

**Note:** Please note that “Upload Tracking” is just a command to let tracker begin to upload history tracking in tracker that has not been uploaded to website, It will

not start record the tracking, user need sending SMS to start & stop record the tracking.

➤ **Start Record Tracking**

1. Send SMS “STARTRECORD\*123456” to the tracker, “STARTRECORD” is a command, “123456” is password; the tracker will start record tracking immediately, and send back a successful SMS to notice begin record tracking, if the flash memory in the tracker is full, the earliest data will be overwrite, if the command or password is not right, the operation is fault, the tracker will send back information “Bad Command ” or “Wrong Password.
2. The record interval is not fixed, if the speed is lower than 10km/h, every 30 seconds record 1 point, if the speed is higher than 10km/h and lower than 50km/h, every 15 seconds record 1 point, if the speed is higher than 50km/h, every 5 seconds record 1 point, if the tracker don't move, no record. If the speed is higher than 50km/h, the tracker can record over 45 hours.
3. SMS information including Battery etc.

The SMS information sample is as follow:

Start record tracking

Battery:91%

➤ **Stop Record Tracking**

1. Send SMS “STOPRECORD\*123456” to the tracker, “STOPRECORD” is a command, “123456” is password; the tracker will stop record tracking immediately, and send back a successful SMS to notice stop record tracking, because if the memory is full, the earliest data will be overwrite, so you can start or stop record tracking when you need, if the command or password is not right, the operation is fault, the tracker will send back information “Bad Command ” or “Wrong Password.
2. SMS information including Battery etc

The SMS information sample is as follow:

Stop record tracking

Battery:91%

➤ **Set Upload Website IP Address:**



Send SMS "IP\*123456\*121.14.148.19,2088" to the tracker, "IP" is a command, "123456" is password; "121.14.148.19,2088" is upload website IP address, if the operation is success, the tracker will send back the information "IP:121.14.148.19,2088" , the default IP address is : 121.14.148.19,2088, the address maybe change if the server is upgraded, any change we will notice on the website : [www.followmegps.net](http://www.followmegps.net) , if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password"

➤ **Set Internet APN:**

Send SMS "APN\*123456\*CMNET" to the tracker, "APN" is a command, "123456" is password; "CMNET" is the china mobile company APN name, if the operation is success, the tracker will send back the information "APN:CMNET", for most mobile company the APN name has been saved in the phone card, it is not necessary to set APN again, but some mobile company the GPRS internet is supply by different company or you can select other internet service company, then you need set APN name. if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password"

➤ **Check ID Number of Tracker:**

Send SMS "ID\*123456" to the tracker, "ID" is a command, "123456" is password; if the operation is success, the tracker will send back the information "ID No: 20080808001", the "20080808001" is the serial number for this tracker, this number is a unique number for register on the website [www.followmegps.net](http://www.followmegps.net) , if the number is used by other people please contact us to delete the user name. if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password"

➤ **Set GPS Power Control STANDBY Mode (Default factory mode):**

Send SMS "STANDBY\*123456" to tracker, "STANDBY" is a command; "123456" is password; Set GPS power control is STANDBY mode, then the GPS is continuously OFF and GSM is normal ON, GPS will power on when locating or record tracking, this mode is the long battery life mode, it maybe last 10-15 days.

But under this mode, when the tracker can not receive GPS signal (in room or underground), it will not report location before enter room, it will report the location last located.

➤ **Set GPS Power Control SHOCKCONTROL Mode:**

Send SMS “SHOCKCONTROL\*123456” to tracker, “SHOCKCONTROL” is a command; “123456” is password; Set GPS power control is SHOCKCONTROL mode, then the GPS power ON or OFF is controlled by shock sensor, if the tracker is moving, the GPS will on continuously, if the tracker do not move over 2 minutes, the tracker will turn OFF GPS power, this mode can enlarge the battery life when recording tracking, it maybe last 5-7 days. Under this mode, when the tracker can not receive GPS signal (in room or underground), it will report location before enter room.

➤ **Set Power Saving (Set GPS On Off Interval):**

Send SMS “SETPOWER\*123456\*10” to tracker, “SETPOWER” is a command; “123456” is password; “10” is interval time, it means every 10 minutes the GPS will turn on and receive the location one time, the interval digit must be a 2 number, from 00 to 99, Unit is minute, if the time is longer then the power saving is longer, 00 means GPS normally ON, and 99 means GPS normally OFF, (The factory default is 99, means GPS normally OFF, when phone to the tracker to trigger the locating, GPS turn on. If the real tracking mode is set, the GPS will normally ON).

➤ **Enable Shock & Move Alarm (Can be used as car alarm):**

Send SMS “SHOCKALARM\*123456” to tracker, “SHOCKALARM” is a command, “123456” is password, the tracker will send back the information “Set Shock Alarm OK” to indicate the operation is success, if the command or password is not right, the operation is fault, the tracker will send back information “Bad Command ” or “Wrong Password”

After enable shock alarm, the system will monitor shock sensor, if the shock sensor is trigger, the tracker will send alarm and location information by SMS to who enable the alarm, and later every 2 minutes the tracker will send alarm information by SMS if the tracker keep moving. 3 times alarm later, shock alarm

will stop, user can send SMS to enable the shock alarm again, this function will not turn on GPS, so it will not reduce battery power.

The shock & move alarm SMS is as follow:

ObjectMove

Latitude:22.680206N

Longitude:114.146998E

Speed(km/h):45.0

Direction(Degrees):303.30

GMT:2008/04/25 08:29:06.000

Battery:78%

➤ **Over Area Alarm:**

Send "SETAREA\*123456\*A22.670000N114.140000E\*B22.680000N114.140000E" SMS to the tracker, "SETAREA" is a command, "123456" is password, "A22.670000N114.140000E" is the longitude and latitude of the first point(Point A) location, "B22.680000N114.140000E" is the longitude and latitude of the second point(Point B) location.

Note: the over area set need 2 point, it is A and B, Point A must be on the Left bottom of the point B, the format of latitude and longitude of every point is as follow: Latitude format is YY.YYYYYYN, it has 8 digits, the last is N or S, means north latitude or south latitude, if the digit is not reach to 8 please add zero to 8 digits, Longitude format is XXX.XXXXXXE; it has 9 digits, the last is E or W, means east longitude or west longitude, if the digit is not reach to 9 please add zero to 9 digits, if the command and password is right, the tracker will send back the information "Set Over Area Alarm OK" to indicate the operation is success. If the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password"

After set the over area alarm, the system will locate every 5 minutes and check the object is in the preset area or not, if the object is go out the area, then the tracker will send SMS to the phone who enable the alarm.

The over area alarm SMS information is as follow:

OverArea

**Latitude:22.680206N**

**Longitude:114.146998E**

**Speed(km/h):45.0**

**Direction(Degrees):303.30**

**GMT:2008/04/25 08:29:06.000**

**Battery:89%**

➤ **Over Speed Alarm:**

Send SMS **"SETSPEED\*123456\*040"** to tracker, **"SETSPEED"** is a command, **"123456"** is password, **"040"** is the preset report speed, the speed must be 3 digits , from 000 to 999, unit is Km/hour, the tracker will send back the information **"Set Over Speed Alarm OK"** to indicate the operation is success. If the command or password is not right, the operation is fault, the tracker will send back information **"Bad Command "** or **"Wrong Password"**

After set the over speed alarm, the system will locate every 5 minutes and check the speed of the tracker is higher than the preset speed or not, if the speed is higher than the preset speed, the tracker will send SMS to the phone who enable the alarm.

The over speed alarm SMS is as follow:

**OverSpeed**

**Latitude:22.680206N**

**Longitude:114.146998E**

**Speed(km/h):45.0**

**Direction(Degrees):303.30**

**GMT:2008/04/25 08:29:06.000**

**Battery:78%**

➤ **Set Real Tracking Mode:**

Send SMS **"SETTRACKING \*123456\*15M030T"** to tracker, **"SETTRACKING"** is a command, **"123456"** is password, **"15"** is locate interval time, **"M"** means the time unit is minutes, interval time is from 00 to 99, must be 2 digits, **"030"** is the preset total tracking times, **"T"** means times, the tracking time is from 000 to 255, must be 3 digits, **"15M030T"** means every 15 minutes locate one time, total 30

times.

After set the real tracking mode, the tracker will locate the object once every preset interval time and send SMS to preset phone with the location information, when it reach to the max locate times it will cancel the tracking mode automatically.

**Note:** if you set the over area report and over speed report and tracking mode at the same time with different, then the information SMS only send to the last preset phone.

➤ **Cancel All Alarm Setting**

Cancel all the alarm setting: Send SMS "CANCEALARM\*123456" to tracker, "CANCEALARM" is a command, "123456" is password, the tracker will send back information "All Alarm Cancel", and cancel all the alarm setting in the tracker, including shock alarm, over area alarm, over speed alarm, real tracking mode etc. if the command or password is not right, the operation is fault, the tracker will send back information "Bad Command " or "Wrong Password".

➤ **"SOS" Emergency**

Press the "SOS" button 6 seconds, first the LED will flash fast, then the LED will turn OFF, release the button, the tracker will send SOS help information to all 3 preset phone.

**HELP !!!**

**Latitude:22.680206N**

**Longitude:114.146998E**

**Speed(km/h):45.0**

**Direction(Degrees):303.30**

**GMT:2008/04/25 08:29:06.000**

**Battery:68%**

If the tracker receive the HELP information, please note that the SOS button must be pressed, please confirm with the user is safe or not, if it is not safe please call the police.

● **Installation Guide**

The antenna of GSM and GPS is built in tracker, please note that the install

location of the tracker must can receive the GPS signal, normally the back of the seat or arm rest box or under the back window or room on the panel etc. please leave away the tracker from big metal, and please do not place the tracker under the big metal.

The tracker built in high capacity Li battery, recharge one time can use about 7-10 days, also you can connect the tracker and DC adapter to the 12V car battery, this can keep the tracker has power supply continuously, and not necessary recharge an more, please use the OEM adapter.

- **Notes:**

The tracker built in GSM and GPS module, so please power off the tracker at the special place that restrict using mobile phone, such as on the plane, hospital, fill station etc.

The GPS need 10-200 seconds to locate the position, when the GSM signal is weak or the network is very busy, the SMS maybe delay to send by the GSM network, this is normal.

The tracker can be attracted on the metal, but the big metal can reduce the signal of GPS and GSM, so do not place the tracker on big metal, and please keep away from the magnetic components.

- **Trouble Shooting**

1. The tracker auto power off: please confirm the tracker battery can be used, try to recharge it; and the SIM card has been installed properly.
2. If the tracker can not send back information by SMS or can not upload location to website, please confirm the SIM card has GPRS function, and you have registered on our website, and please read the SMS information of the tracker sending back, please confirm the SIM card should has caller ID display and SMS service function, and the SIM card PIN code should be disabled.
3. The tracker has not any repose, and no ring, please confirm the tracker has been power on and the SIM card has enough charge, and the mobile phone can work well in that place.

## **Instruction List**

Function	SMS Information	Note	Reply	Note
Add phone number	ADDPHONE*123456*A*13322990998	Any mobile phone can set	Add Preset Phone OK	Reply to the operation phone
Delete phone number	DELETEPHONE*123456*A	Any mobile phone can delete	Delete Preset Phone OK	Reply to the operation phone
Check preset phone number	CHECKPHONE*123456	Any mobile phone can check	Preset Phone A: 13322990998; B: 13322990033; C: 13316868198;	Reply to the operation phone
Change password	CHANGEPASSWORD*123456*888888	Only preset phone can change	New Password : 888888	Reply to operation preset phone
Check password	CHECKPASSWORD	Only preset phone can check	Password: 888888	Reply to operation preset phone
Set langue to English	SETENGLISH*123456	Any mobile phone can set	Set langue to English	Reply to operation phone
Set langue to chinese	设置中文*123456	Any mobile phone can set	设置中文成功	Reply to operation phone
Calling trigger SMS mode report location	SMSMODE*123456	Any mobile phone can set	Set Report Mode to SMS	Reply to operation phone
Send SMS trigger SMS report location	SMSLOCATE*123456	Any mobile phone can set	Current location latitude&longitude speed direction time battery	Reply to operation phone
Calling trigger Map link mode report location	LINKMODE*123456	Any mobile phone can set	Set Report Mode to Google Map Link	Reply to operation phone
Send SMS trigger map link report location	LINKLOCATE*123456	Any mobile phone can set	Current location google map link and speed time direction battery	Reply to operation phone
Calling trigger upload location mode report location	UPLOADMODE*123456	Any mobile phone can set	Set Report Mode to Upload Current Location	Reply to operation phone
Send SMS trigger upload website report location	UPLOADLOCATION*123456	Any mobile phone can set	Upload location success + battery	Reply to operation phone
Calling trigger upload tracking mode	TRACKINGMODE*123456	Any mobile phone can set	Set Report Mode to Upload history Tracking	Reply to operation phone

report location				
Send SMS trigger upload history tracking	UPLOADTRACKING*123456	Any mobile phone can set	Upload tracking success + battery	Reply to operation phone
Send SMS to Start record tracking	STARTRECORD*123456	Any mobile phone can set	Start tracking record	Reply to operation phone
Send SMS to Stop record tracking	STOPRECORD*123456	Any mobile phone can set	Stop tracking record	Reply to operation phone
Set IP address	IP*123456*121.14.148.19,2088	Any mobile phone can set	IP:121.14.148.19,2088	Reply to operation phone
Set APN name	APN*123456*CMNET	Any mobile phone can set	APN:CMNET	Reply to operation phone
Check tracker ID Number	ID*123456	Any mobile phone can set	ID No:20080808001	Reply to operation phone
Set GPS power control STANDBY	STANDBY*123456	Any mobile phone can set	Set GPS Power Control Standby OK	GSM is ON, GPS is normally OFF (Factory default)
Set GPS power SHOCKCONTROL	SHOCKCONTROL*123456	Any mobile phone can set	Set GPS Power SHOCKCONTROL OK	GSM is ON, GPS is controlled by shock sensor
Set power saving mode	SETPOWER*123456*xx	Any mobile phone can set	Set Power Saving OK	xx is 00 to 99, unit is minutes, 00 is normally ON, 99 is normally OFF (Default is 99)
Set shock & move alarm	SHOCKALARM*123456	Any mobile phone can set	Set Shock & Move Alarm OK	Reply to operation phone
Set over area alarm	SETAREA*123456*A22.670000N114.140000E*B22.680000N114.140000E	Any mobile phone can set	Set Over Area Alarm OK	Point A must be at the east bottom of point B
Set over speed alarm	SETSPEED*123456*080	Any mobile phone can set	Set Over Speed Alarm OK	Reply to operation phone
Set tracking mode	SETTRACKING*123456*xxMyyyT	Any mobile phone can set	Set Tracking Alarm OK	xx is 0 to 99, unit is minutes, yyy is 001 to 255, every xx minutes locate once, total yyy times.



<b>Cancel All Alarm Setting</b>	<b>CANCELALA RM*123456</b>	<b>Any mobile phone can set</b>	<b>All Alarm Cancel</b>	<b>Reply to operation phone</b>
<b>SOS Emergency</b>	<b>Press SOS button until the GREEN LED turn off</b>		<b>HELP + location information</b>	<b>Send SOS HELP information to all preset phone</b>

#### Notes:

1. The default password is 123456, for example the tracker phone number is 13088803220, if you like set the preset phone is 13322990998, then send SMS "ADDPHONE \*123456\*A\*13322990998" to 13088803220 is OK, if the tracker reply "SET OK", it means operation is success.
2. Please add preset phone first then change the password.
3. Every tracker can set 3 preset phone number
4. All the SMS information is in English word, "\*" is the star key, "" is not including in the SMS information, it is just used to indicate the information.

#### Specification:

<b>GSM Frequency</b>	<b>850/900/1800/1900 MHz</b>	<b>GPS channel</b>	<b>32 个</b>
<b>GSM / GPS Antenna</b>	<b>Built in</b>	<b>Standby Current</b>	<b>1-2 mA</b>
<b>Locate precision</b>	<b>5-10 M</b>	<b>Recharging Current</b>	<b>5V/300mA</b>
<b>Recording Current</b>	<b>35mA</b>	<b>GPS Cold Start Time</b>	<b>36 seconds</b>
<b>Battery</b>	<b>1800mAh</b>	<b>GPS Hot Start Time</b>	<b>1 second</b>
<b>Working Temperature</b>	<b>-20 °C to +55 °C</b>	<b>Absolute Temperature</b>	<b>-35 °C to +70 °C</b>
<b>Storage Temperature</b>	<b>-40 °C to +80 °C</b>	<b>Max record Point</b>	<b>32768</b>

#### 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.**

**FCC 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.**

**Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

**This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.**

**Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:**

**—Reorient or relocate the receiving antenna.**

**—Increase the separation between the equipment and receiver.**

**—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**

**—Consult the dealer or an experienced radio/TV technician for help.**

**This equipment complies with FCC radiation exposure limits set forth for uncontrolled environment .This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.**

**This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.**

<b>Customer</b>			
<b>Addr</b>			
<b>Date</b>	<b>year</b>	<b>month</b>	<b>day</b>
<b>Model</b>	<b>CCTR-700</b>	<b>Serial Number</b>	
<b>Distributor</b>			

**Notes: The explanation of this manual is belonged to our company, some small changes may not notice customer, any other problems please contact us, thanks!**