GPS Tracker with OBD II Interface

User Manual

1. Installation Figure

Please insert a SIM Card to the GPS Tracker, and connect it to OBD II interface of the Vehicle directly. Please check the device status through LED light after power on:

- ● ← LED indicates Power, it should be on when the vehicle is started.
- ● 🛜 LED indicates status of Signals.
    - ➢ Flashing per one second which indicates GSM registers successfully.
    - ➢ Flashing per three seconds once which indicates GPS is obtaining orientation
    - ➢ It is still on which indicates GSM has registered and GPS has obtained the orientation. It's working well.
    - ➢ If it is on for 0.1 second then off for 0.1 second more than 3 minutes, please make sure SIM card inserted well. Without SIM card, the device cannot work.

2. SMS Operation Instruction

SMS Format: A******,cmd,param1,param2…

1. ******is the password, Initial Password is 000000

2. cmd is the command ID.

3. Param is the command parameter. Different cmd use different parameters. All the parameters must use half-angle symbol. Wrong SMS format or wrong password, it will not respond.

2.1 Location Enquiry (000)

Message format: A******,000

e.g. A000000,000

Reply: **http://maps.google.com/maps?q=22.54079,113.93923 09-10-20 17:38:30 Speed:20**

You will open the website to Enquiry on google Map directly.

2.2 Change Password (001)

Message format：A******,001,New Password

e.g. **A000000,001,123456**

Note:000000 is the old password ,123456 is the new password.

Reply：**Set Password OK!**

2.3 Real-time return setting (002)

Message format：A******,002, XXX

XXX=0 is for STOP, value of XXX is within [15~64800] seconds.

e.g. **A000000,002,30**

Message replied after successful setting: **Set time interval (30) OK!**

Message contains position information will be sent in every 30 seconds after successful setting.

2.4 Alarm and Listen Telephone Number setting (003)

Message format：A******,003,P, TelNumber

P=1 is for Aalrm and listen

P=2 or 3 is the second\ the third listen number.

e.g. **A000000,003,1,136xxxxxxxx**

Message replied after successful setting：**Set Telephone OK!**

After it's set successfully, once there is an alarm happened, the device will alert to Alarm Number and Tracking System by message.

If you dial with one of these three numbers you set, it can be connected automatically after the 3th rings. Then you can listen the voice in the vehicle.

2.5 Over-Speed Alarm Setting (005)

Message format：A******,005,XXX

XXX=[000,200] (unit: km/h)XXX=00 is close the function.

e.g. **A000000,005,020**

Message replied after successful setting: **Set Over speed (20) KM OK!**

If the vehicle is over speed you set, it will send alarm message to Alarm Number: **20 KM/H Over speed!**

2.6 Geo-Fence Setting(006)

Message format：A******,006,XX

XX =[00-50] (Unit:100m) .

When XX=0, e-Fence is OFF. And the maximum limited value of XX is 50*100=5000m.   e.g. **A000000,006,10**

Reply: **Set Distance (1000)M OK!**

When user is out of the bound region (e.g. 1020m), a prompt message will be sent to the user: **1020m is further than 1000m!**

2.7 Restart Tracker (099)

Message format: A******,099,RESETSYSTEM.

It will restart the device after 30 seconds after receive the SMS, it will response:**Reset System OK!**

3. GPRS Communication Settings

3.1 Set APN (Access Point NAME) (012)

Message format: **A******,012,APN**

Length of APN is limited within 100 characters

E.g:**A000000,012,CMNET**

 "CMNET" is the APN of China Mobile

3.2 Set the IP and Port of GPRS Server (010)

Message format: **A******,010,IP,PORT**

e.g. A000000,010,121.37.58.10,6900

121.37.58.10 is the IP of GPRS_server, 6900 is the port of GPRS Server application.

3.3   Open GPRS function (011)

Message format: **A******,011,X**

(note:x=1 open GPRS, X=0 close GPRS)

e.g. A000000,011,1

   GPRS function will be open, and the device will send data to Internet. Users can turn off this function though send SMS: A000000,011,0

3.4   Query the GPRS Setting (004)

Message format: **A******,004**

The device will send back GPRS setting parameters. You can check whether the parameter set correctly by it.

NR09B00001,CMNET,121.37.58.10,6900, 1 ,1 ,24

① ② ③ ④⑤⑥⑦

（1）Device ID

（2）APN   (China Mobile is CMNET, China Unicom is UNINET)

（3）Server IP address

（4）Server port

（5）GPRS open status （0- off ，1- on）

（6）GPRS connecting status （0- Internet is bad，1- work well）

（7）GSM signal value （1~31）, if it's less than 13, the signal is too weak, and the device can't upload data to server automatically.