



GPS Tracker

103-2 Quick start guide

Thanks for choose our product. This Quick Start guide tells you how to set up your GPS Tracker.

- See picture 1 connect antennas in right way and put antennas outside.
- See picture 2 inside two SIM cards and TF card.
- See picture 3 connect wires in right way.
- Unit will turn on automatically when put the SIM card in , the red LED converted to one second flashes, SIM card Registration Successful,LED light was converted to three seconds blinking GPS positioning success.
- Confirm your SIM card have calling, send SMS, GPRS function.
- Confirm your SIM card have enough balance (money).
- Confirm your SIM card can show caller ID and don not use call forwarding function.

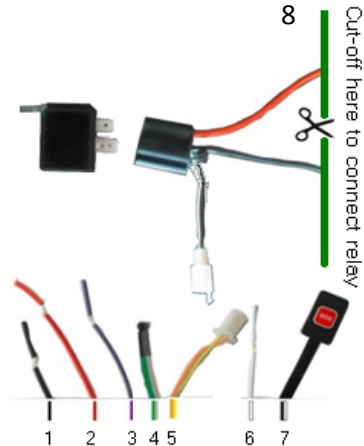
Now you can operate the function .Begin!

How to connect the antenna.



Wires connection.

1. Black wire: -12V
2. Red wire: +12V
3. Purple wire : ACC
4. Microphone
5. Connect relay.
6. White wire: connect guard against theft implement.
7. SOS.
8. Oil and Power



Two SIM card.

Unit will turn on for another one automatically When no fee with one SIM card.

TF card*.

Support 2GB TF card, over-the-air update, resume from break point cannot work without TF card.

Over the air update.

Update can be finished by SMS ,and also the software on our website will be update occasionally

Breakpoint continuingly.

Date will be saved at SD card when in weak GPRS signal and will be send to platform automatically again when have GPRS signal.

Password.

We suggest change the password and keep it in mind. Please contact with franchiser if you forgot it, Unit only work with correct one.

Authorization.

SMS will be send to Authorized number. Authorized number can send the command without password.

Traffic Mode

When moved ,the device will send GPS data to monitor platform or mobile phone automatically; when stay still, the device will go to sleep to save power.

Internet monitor.

Set APN.

APN stands for Access Point Name. For example picture ,China mobile “CMNET”, send SMS“123456apn cmnet”to the unit ; if APN have user name and password, For example picture ,Microcell , APN is internet., user name : fido , password : fido



IP and port.

When APN setting succeed, send SMS“123456adminip 119.147.23.100 2337” , it will reply“ADMINIP ok!”.“2337”is port number

Data transmission.

Send SMS:“123456t010s***n”to the unit, will reply”t010s***n ok”.Data will be transmissionto the platform every 10 seconds. stop send sms “123456tmno”



Internet platform.
Please contact franchiser.
They will supply you
platform website, User
name, Password and help
you to add your unit into
platform.

You can check more information about platform in CD-ROM.

The screenshot displays the 'GPS Monitor System' web interface. The top section is a login page with the following fields:

- Username:
- Password:
- Security Code:
-

The main dashboard features a map of an urban area with a data table below it. The data table has the following columns: DeviceID, Device Name, Weight, Speed, Status, Location Time, Green Leaf, and Location. The table contains two rows of data:

DeviceID	Device Name	Weight	Speed	Status	Location Time	Green Leaf	Location
88404	310802110	0	0.00	None	2012-03-11 12:01:52	308440230	88404
88003	3084003	1001	0.00	engine off/red alarm/low voltage alarm	2012-03-13 10:18:50	308440230	88003

Remote control oil and circuit.

Send SMS“123456powercar 11”to cut off oil and circuit ; Send SMS“123456powercar 00”to supply oil and circuit again.

Warning : Please make sure the vehicle stay still before using this order.



Engine alarm (ACC) and Fortifying mode

Engine alarm (ACC), After purple ACC line connected to the car engine ignition wire, every time when engine start and stop, tracker will report to authorized mobile and platform. Engine stop: "ACCStop"; Engine Start : "ACCStart".

Fortifying mode, send SMS command : "123456 fortify" to tracker, tracerk device reply to "fortify ok" . When in fortifying mode, LED light will flash every 4 seconds.



Fortify or no Fortify

call tracker can switch fortify and "no fortify". call one time, the tracker will go to "no fortify" model. Call again, switch into "fortify" model. If set fortify successfully, will receive a SMS reply of " move in+ Longitude and latitude".

Then when the car move more than 200m, the tracker will send alarm sms to authorized phone and platform. Inquires the tracker state send sms"123456fortified".



Authorization and Password.

Call the unit for 10 times and successful positioning. This number will be the default for authorized number.

Send SMS "123456 admin 159200XXXXX" to the unit,it will be authorized of this number.Only 5 numbers able to be authorization.If need cancel, send"123456admin".

Send SMS"123456password 000000"to unit , will reply"password 000000 ok!".Notice : 123456=old password; 000000=new password.



One time.

Using your mobile phone call the inside number of unit .it will hang up and reply to a real time positioning messages. Contents include: latitude, longitude, speed, date, battery, signal, IMEI number.

Send SMS "123456smslinkone" to the unit, will replylocation SMS.



Successive positioning.

Send SMS "123456t030s002n" to the unit, Will reply "t030s002n ok!" It will report the real time SMS at 30s interval for 2 times. **Notice:** s=second, minute, h=hour. The shortest interval time is 005s, the longest interval time is 255h; Reply the most times is 999n, Unlimited times is***n.



Monitor.

Send "123456monitor"to the unit, will reply"monitor ok!" , then call the unit to enter into the monitor mode .Send "123456tracker"to the unit when need to cancel ,it will reply "tracker ok!"back into the positioning mode again.



Traffic mode.

Send SMS "123456traffic 5" to the unit, will reply "traffic 5 ok!". 5 stands for the sensibility level, setting from 0 to 10. 0 means closing the function. When moving, the unit will send GPS data to monitor platform or mobile phone automatically every 30 seconds; when stay still, the unit will go to sleep. Send "123456traffic 0" when needs to cancel.



Sensor alarm.

Send SMS "123456shake 5" to the unit,it will reply "shake 5 ok!". The unit will send alarm message to phone when shake. Send SMS"123456shake 0" when needs to cancel the function.Number 5 stands for the sensibility level, setting from 0 to 10. 0 means closing the function.**Notice:** This function cannot work when in traffic mode.



Overspeed alarm.

SendsMS“123456speed 050”to the unit,it will reply “speed ok!”. When the unit moves exceeding 50 km/h, the unit will send SMS alarm. When the speed is no more than 50km/h, it will send alarm as well. Send “123456speed 0”when needs to cancel. **Notice:** Speed alarm is set at least 50km/h.



Movement alarm.

When the unit stays immobile in a place for more than 3 minutes, send SMS "123456move 200" to the unit, it will reply "move 200 ok!". It will send alarm SMS when moves out of 200 meters. Send SMS "123456move 0" when needs to cancel.



Geo fence.

Set Geo fence for the unit to restrict its movement within a district. The unit will send SMS to the authorized numbers when it breaches the district. If needs Send SMS "123456stockade 22.589155N,113.827732E;2.559000N,113.897111E".

Stop send "123456stockade"



Total mileage calculation.

If you want to calculate the mileage, according to the following steps:

1. Send SMS "123456gprsdata 1" to the unit.
2. Send SMS "123456t010s***n" to the unit.
3. Send SMS "123456km0" to the unit.
4. Send SMS "123456km ? ", it will reply the mileage dates.



SOS.

Press the SOS for 3 seconds when dangerous. It will send " help me " to all the authorized numbers



Map link.

There are two formats: date format, map link format. Send SMS“123456smslink”to the unit, it will reply “smslink ok” , then call the unit again, it will reply map link, access to this website may view location map. Send SMS“123456smstext”to the unit will restore to date format.



Overtheairupdate*.

We will update software, if you need update tracker, please install memory card (TF), and send SMS "123456ldu,server=http://www.***.com/down/vpj.bin,en=72". After you receive 3pcs of related message, it means updated successfully.

Notice : Need about 5 min to do updating.

"***" it represent the server domain of the equipment supplier



Status and Time

Send "123456status" to unit , it will reply SMS. Include: IMEI、 speed、 battery、 position state、 time、 IP、 APN、 Port etc.

Default is Beijing time, if you want to change time, send SMS "123456time zone -6.5". Notice: "+" no need to write , "-" must write ; 6.5=6 : 30.



UDP/TCP.

Default is TCP , if you want to change into UDP , Send SMS“123456gprsmode 1” to unit , if you want change back to TCP, send SMS“123456gprsmode 0”.

Version.

Send SMS“123456version”to unit , it will reply version information

Reset.

Send SMS“123456begin”to unit, it will reply“begin ok!”, then unit will back to default settings.



Product parameter

- GSM/GPRS module: SIMCOM SIM900
- Band: 850/900/1800/1900Mhz
- Communication protocol: TCP/UDP
- CPU: ARM7.
- GPS chip: SIRF3 sensitivity: -159dBm accuracy: 5-20m
- Time To First Fix: Cold status 45s Hot status 1s
- Car charger: 12-24V input 5V output
- Battery: 3.7V 1200mAh Li-ion battery
- Storage Temp: -40°C to +85°C
- Operation Temp: -20°C to +55°C
- Humidity: 5%--95% non-condensing