

NEXTECH



4G GPS Vehicle Tracker LA9038 User Manual

Welcome to use this real time car GPS tracker LA9038 .This product is with GPS module and 2G GSM / 3G WCDMA / 4G LTE module, that has many new and unique functions, such as built in rechargeable battery for power down alarm & tracker removed alarm, remote turn off car engine, playing back history tracking on website or mobile phone, SMS locate with Google map link, sensitive shock sensor built in to control power saving etc. the tracker can auto configure APN & GPRS setting, it is very easy to install and use, just connect the power supply is OK, the working voltage range is 7-40V, it can be used for car (12V) or truck (24V) bus etc.

The tracker sends the real time location to internet server through internet, so that user visit the website www.nextechgps.com with the applied user's name and password (default user name is the last 7 digital of the ID, password is same as user name or is 123456, E.g. ID is 803201712345678, user name is 2345678, password is 2345678 or 123456) through any PC or mobile phone with available internet, current location checking, history tracking playing back, alarm & running report etc can be operated, normally the platform service charge is free (some distributor maybe sale different package of 1 year service charge free), please confirm expired date after login the website, and the tracker will be active after the tracker power on.

User also can download Android or iPhone iOS app software to android or iPhone mobile phone, click the app, logon with user name and password, you can locate current location & display history tracking, the user name and password is same with the website login.

This GPS tracker can be used as car alarm, fleet management, driver management etc, it can be used for tracking cars, company vehicles, buses, taxis, trucks, etc.

Use PC or mobile phone browser to visit the www.nextechgps.com website can download or read the tracker manual online.



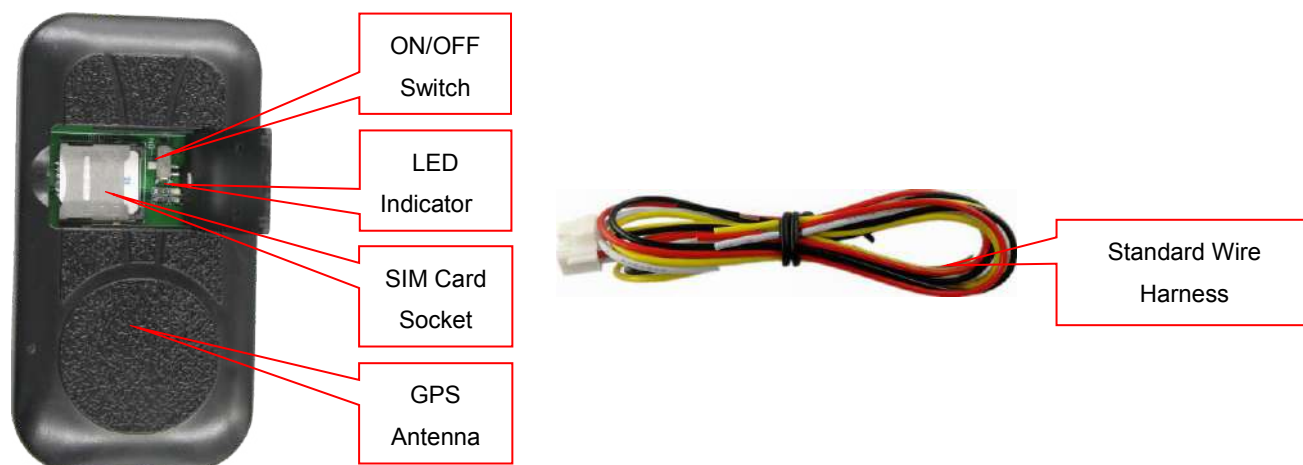
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Product Specification

- Easy installation (only 2-4 wires)
- Global 2G / 3G / 4G frequency band;
- Fast GPS locating with A-GPS function;
- GPS + BEIDOU dual mode module;
- Built in microphone to listen sound in car(Optional external microphone);
- Open protocol and protocol can be customized by client;
- Connect to client private server or use our open API platform server;
- Built in G-sensor for shock alarm car security;
- GPS / GPRS power saving intelligent control;
- Cars, Trucks, Vans, Touring Cars all can be used;
- Backup battery for power down & remove alarm;
- iOS & Android App & Web tracking;
- Wide working voltage(9-40V)
- Suit for car truck bus transportation gps tracking & fleet management;

System LED Indicator

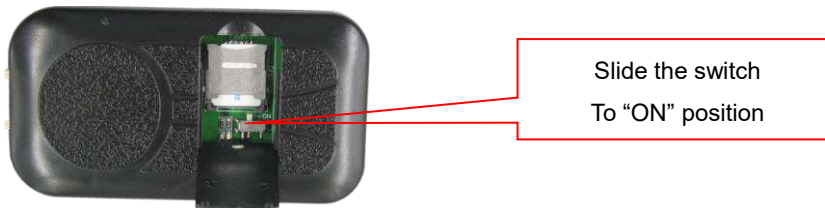
GREEN LED Flash once	: 2/3/4G & GPS working well
GREEN LED Flash twice	: 2/3/4G working well and no GPS signal
GREEN LED Flash three times	: 2/3/4G & GPS working well but battery low
GREEN LED Flash four times	: 2/3/4G working well, battery low and no GPS signal
GREEN LED ON continuously	: 2/3/4G searching network
GREEN LED OFF	: Power off
RED LED Flash once	: uploading tracking is ok
RED LED Flash twice	: can not upload tracking

In the following content, all the SMS content is mark by “”, and this “” is not include in the SMS content, it is only to used to mark the SMS content.

Before Using

1 Power on / off

Open SIM card room cover with finger, slide the switch to the ON position (please refer the following diagram), in the direction of the arrow , the tracker will power on, if the tracker battery is low, the power & GND wire connect to car battery is OK, after the tracker is powered on, the LED will flash, if the Green LED flash once every 4 seconds, it means the tracker work well, please refer the above detail LED flash indicator.



2 Install SIM card (Micro SIM Card)

This tracker use 2G/3G/4G Micro sim card, open the SIM card room cover, the SIM card holder can be seen, slide the metal cover to “OPEN” direction to open the sim card holder, put the SIM card to the SIM card holder (pay attention to the SIM card direction), press and slide the metal cover to “LOCK” direction to lock the SIM card.



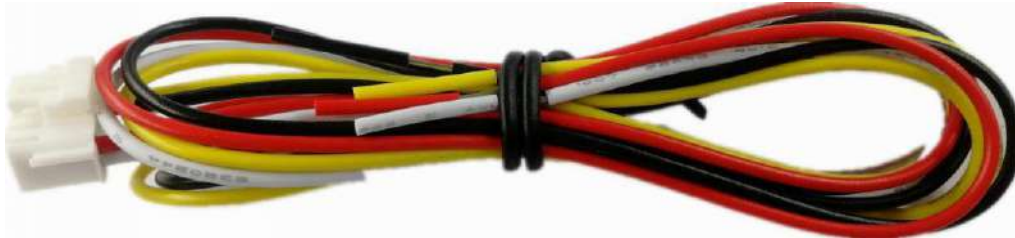
Note:

- 1> This tracker use 2G/3G/4G network, and it upload tracking only through internet.
- 2> Enable the SIM card data service (some SIM card need send SMS or USSD command to enable GPRS function), order a data package (20-30M/month) can save data charge (Normally most of the tracker every month data cost is lower than 20MB).

3> Before installing or uninstalling the SIM card, please power off the tracker.

3 Installation

For CC-338, the tracker uses the 9-40V DC power supply, it is necessary connecting to car battery all the time, after the backup battery is full, the built in recharging circuit will stop recharging, and if the tracker is not move, the tracker will go to power saving mode (GPS off, GPRS online), when the tracker begin to move, the tracker will back to normal working mode.



The standard wire suit for all the cars, the wire function description is as follow, if the car can be controlled by OBD can bus, then use the OBD wire harness connect to the OBD socket is OK, it is easy and convenient.

RED or BROWN-----12V/24V car battery

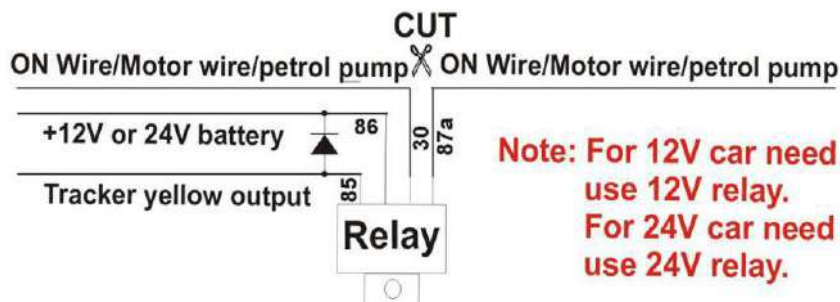
BALCK-----GND (Car Body)

WHITE -----ON Signal(Engine Running) Positive Input

Note: ON signal is used to indicator the engine is running (Positive means engine is running), if ON signal is positive then the tracker will begin to upload location to server, if the ON signal is open the tracker will stop to upload location to server. If the GREEN wire is not connected to ON signal, the uploading will be controlled by shock sensor, if the car begin to move the tracker will begin to upload location to server, after the car stop moving 2 minutes the tracker will stop to upload location to server.

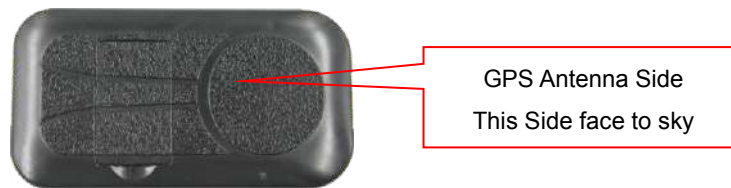
YELLOW----Turn off Engine Negative Output (Connect to Relay)

The engine cut command need add a rely to execute, the tracker have a output engine cut wire, when the tracker turn off the engine, this yellow wire will output a negative signal continuously, this wire can drive the relay to control engine power supply or petrol pump power supply, then can turn off the car engine. The output current of the yellow wire is smaller than 500mA, and a diode is necessary to add to protect the tracker driving wire, the diagram is as follow, Normally the turn off engine output used to control the car starting motor or oil pump motor line or ON wires.



Attention: Turning off engine is very dangerous when car is driving, this will make the car difficult to control and maybe cause a accident, so we recommend connect the relay to cut the start motor wire, this will make driver can not remote turn off car engine, but can not start car engine.

For car security the tracker need be installed in hidden place, normally the back of the seat or arm rest box or under the back window or room on the panel etc. please note that the install location of the tracker must can receive the 2/3/4G & GPS signal, the GPS antenna need face to sky to receive the GPS signal, before recovery the cover panel please confirm the tracker can locate after installation, if the location is not right and lost points very often, please try to change a place to install.



4 Internet Vising APN & User Name and Password

Most SIM card need set APN and user name & password to visit the internet, then the tracker can upload the location to server, send SMS to tracker can set the APN and username & password, call the tracker SIM card supplier to get the APN and user name & password, send SMS "APN*12345678*apnname" to set APN, 12345678 is the tracker device password, apnname is the SIM card data service APN name, the device will reply SMS "APN: apnname". Send SMS "USERNAME*12345678*username*password" to set username & password, username is the internet visiting account name, password is the account password, the device will reply "USERNAME: username, PASSWORD: password".

Note: if the SIM card in the device is M2M card that has not SMS service, the device can not receive SMS, then please put a normal SIM card into the device to set the APN and username & password first, and then change the M2M card back to device.

5 Back Up Battery & Power Down Alarm:

When the tracker power supply is off or the voltage is too low, the tracker will send power down alarm SMS to the authorized number. This means the tracker power is removed or the tracker is removed, please confirm.


6 Back to Factory Setting

Send the SMS command to the tracker can reset the tracker setting to the factory mode (just like new tracker). The SMS command is FACTROY*12345678. FACTORY is command, 12345678 is tracker password.

7 Using Condition

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

Simply Using Step

1. First to buy a 2G GSM / 3G WCDMA / 4G LTE mobile phone SIM card and enable data service, order a data package 20-30M (Normally most of the tracker every month data cost is lower than 30MB), install in the tracker, please refer **Before Using 2**. Some SIM card need send SMS to active internet data service, please call the SIM card supplier to confirm.
2. Connect the tracker power wire to the car battery and slide the switch to ON position, the Green LED will be on continuously, the tracker is powered on, put the tracker outdoor for easy get GPS & mobile phone network signal.
3. Check LED flash, refer **System LED Indicator** for detail, If Green LED flash once means mobile phone and GPS signal are well. And Red LED flash once means the location has been uploaded to the server.
4. This tracker can auto configure APN & GPRS user name & password, if the auto configuration is not right, the tracker can not visit internet, so the tracker location can not update on the app & website, and the red LED will flash twice, then you need send SMS to tracker to change the APN & GPRS manually, please send SMS "CHECK*12345678" to tracker to check the APN auto configuration, call the tracker SIM card supplier to confirm the APN & GPRS is right. Send "APN*12345678*apnname" and "USERNAME*12345678*username*password" to tracker can change the APN & GPRS setting, please refer the following **Tracker Setting Command 8** for detail.
5. Visit & login the tracking platform www.nextechgps.com, click  can select different language, check 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 (for example ID is : 803201712345678, the user name is : 2345678, password is :2345678 or 123456, user can change the password, send SMS "ID*12345678" to tracker can check tracker ID).
6. iPhone Android App also use the same user name and password with website login, visit www.nextechgps.com with mobile phone, click the app icon on the login page, or scan the QR code on login page, the iPhone & Android app can be download & installed, please refer the platform operation guide.
7. Fleet user can be created for easy fleet management, call your distributor to create a fleet.

Locate Operation

1. Sending SMS to trigger report location by Google map link

Send SMS "URL*12345678" to the tracker, "URL" is a command, "12345678" is password. If the operation is success, the tracker will send back the location information with Google map link to the sender. User click the link, the location in google map will display, the SMS example is as follow:

<https://maps.google.com/maps?q=22.67680,114.15188>

Battery:88%



2. Arm / Disarm (Shock Alarm) by sending SMS

Send SMS "ARM*12345678" to tracker, "ARM" is a command, "12345678" is password, the tracker will send back the information "Set Shock Alarm ON" to indicate the operation is success and go to arm state, if the password is not right, the operation is fault, the tracker will send back information "Wrong Password".

After go to shock alarm state, the system will check shock sensor, if the shock sensor is trigger (**only continuously shock can trigger the shock alarm to avoid trigger by mistake**), the tracker will send alarm and location information by SMS to the authorized phone number, and send the alarm information to the website server, also the tracker will call the authorized number A first, if no answered then B and C, if 3 authorized all no answered, then stop calling, If the tracker is triggered continually, every authorized phone will receive max 3 alarm SMS per hour.

The shock alarm SMS is as follow:

Shock Alarm

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

Send SMS "DISARM*12345678" to tracker, "DISARM" is a command, "12345678" is password, the tracker will send back the information "Set Shock Alarm OFF" to indicate the operation is success and disable

the shock alarm, if the password is not right, the operation is fault, the tracker will send back information "Wrong Password".

Shock alarm notice by sending SMS & calling can be enabled ON or OFF, please refer [Tracker Setting Command 3 &4](#).

3. Listening or Monitor sound around tracker

Send SMS "LISTEN*12345678" or "LISTEN*12345678*13987654321" to tracker, "LISTEN" is a command, "12345678" is password, "13987654321" is the phone number that need to call back, then the tracker will make a call back to the SMS sender or the number that assigned like 3987654321 , user pick up the calling and then the sound around the tracker can be listened. Hang up the calling will stop the LISTEN command.

4. Remote Turn Off Car Engine (Cut Oil Power)

Send SMS "FREEZE*12345678" to tracker, "FREEZE" is a command, "12345678" is password, the car engine will be turned off immediately. The tracker will send back information "Turn Off Car Engine Success", if the password is not right, the operation is fault, the tracker will send back information "Wrong Password".

5. Cancel Turn Off Car Engine Command

Send SMS "RELEASE*12345678" to tracker, "RELEASE" is a command, "12345678" is password, the output of the tracker engine cut wire will change to open, then user can start engine later. The tracker will send back information to indicate the turn off engine command has been disabled, if the password is not right, the operation is fault, the tracker will send back information "Wrong Password".

Tracker Setting Command

1. Add / Delete / Check authorized number:

The authorized phone number is used to send alarm information by SMS, or use mobile phone to locate the tracker without platform, if the authorized phone number is not set, then the alarm information can not send to user by SMS (alarm, battery low, SOS, etc). The Add command please see "Basic Locate Operation & Setting".

Add authorized phone number

Send SMS "ADDPHONE*12345678*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; "12345678" is password; "A" is authorized number location, every tracker have 3 authorized phone number locations, A and B, and C, so you can set 3 phone numbers, if the add operation is success, the tracker will send back the information "Add Preset Phone OK", if the password is not right, the operation is fault, the tracker will send back information "Wrong Password".

Delete authorized phone number by SMS

Send SMS "DELETEPHONE*12345678*A" to the tracker, "DELETEPHONE" is a command; "12345678" is password; "A" is authorized phone number location, there are 3 locations "A" and "B" and "C"; if the delete operation is success, the tracker will send back the information "Delete Preset Phone OK", if the password is not right, the operation is fault, the tracker will send back information "Wrong Password".

Check authorized phone number by SMS

Send SMS "CHECKPHONE*12345678" to tracker, "CHECKPHONE" is a command; "12345678" is password; if the operation is success, the tracker will send back the information "Preset Phone A:13987654321; B:13876543210; C:13765432100", the phone number is just an example. if the password is not right, the operation is fault, the tracker will send back information or "Wrong Password".

2. Change / Check Tracker Password

The tracker password is used to protect the tracker only can be operated by owner, every SMS command need follow tracker password, the default tracker password is 123456, for higher security please change the tracker password.

Change tracker password

Send SMS "CHANGEPASSWORD*12345678*888888" to tracker, "CHANGEPASSWORD" is a command; "12345678" is old password; "88888888" is new password; if the operation is success, the tracker will send the information "New Password: 88888888" to every preset phone number, if the password is not right, the operation is fault, the tracker will send back information "Wrong Password".

Note: Only The authorized phone can change the password.

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:88888888"; "88888888" is an example.

Note: Only The authorized phone can check the password.

3. Alarm Notice by Calling ON/OFF:

Send SMS "CALLON*12345678" to tracker, in which, "CALLON" is the fixed command and "12345678" is the password. Having successfully been made, there will be a reply sms to indicate the alarm will be noticed by making a call. Send SMS "CALLOFF*12345678" to tracker, in which, "CALLOFF" is the fixed command and "12345678" is the password. Having successfully been made, there will be a reply sms to indicate the alarm will not be noticed by making a call. If the alarm notice is set to CALLOFF, then the tracker only sending sms or sending information to platform when the alarm is triggered.

4. Alarm Notice by SMS ON/OFF:

Send SMS "SMSON*12345678" to tracker, in which, "SMSON" is the fixed command and "12345678" is the password. Having successfully been made, there will be a reply sms to indicate the alarm will be noticed by sending a sms. Send SMS "SMSOFF*12345678" to tracker, in which, "SMSOFF" is the fixed command and "12345678" is the password. Having successfully been made, there will be a reply sms to indicate the alarm will

not be noticed by sending a sms. If the alarm notice is set to SMSOFF, then the tracker only making a call or sending information to platform when the alarm is triggered.

5. Set GPRS Mode: KEEPONLINE / SHOCKCONTROL

Send SMS "KEEPONLINE*12345678" (Keep online all the time even the tracker stop moving) or "SHOCKCONTROLGPRS*12345678" (Turn off GPRS after the tracker stop moving 10 minutes) to the tracker, "KEEPONLINE" or "SHOCKCONTROLGPRS" is a command, "12345678" is the tracker password, if the operation is success, the tracker will send back the information "GPRS: Keep Online" or "GPRS: Shock Control", if the password is not right, the operation is fault, the tracker will send back information "Wrong Password". the default setting is Shock Control, when the tracker begin to move, the tracker begin upload the tracking, the tracker status on the platform will change to online immediately. if the tracker stop moving, the tracker will stop upload the tracking and turn off GPS & GPRS to go to sleep mode , a few minutes later the tracker status on the platform also will change to offline.

If the tracker is always online, the tracker will send tracker status to platform all the time, but this will cost more data charge and car battery power, and if the car will park long time or the car battery is old, this maybe cause the car battery power low and can not start car engine, this working mode is not recommended .

6. Check Tracker ID:

The tracker ID is print on the label of the tracker, if the label is missing, send SMS "ID*12345678" to tracker, in which, "ID" is the fixed command and "12345678" is the password. Having successfully been made, there will be a SMS "ID: 801201512345678", in which, "801201512345678" is the ID and every tracker corresponds to the only number. This number is used to differ the tracking uploaded to the website from others. the last 7 digital number of the tracker ID is the user name and password of the tracker on the platform, for example the tracker ID is : 801201512345678, and then the user name on the platform of this tracker is : 2345678, and the platform password for this user name also is :2345678 or 123456, user can login the platform www.nextechgps.com to change the password.

7. Set the upload time interval

The GPS location information upload time interval can be set from 30 to 999 seconds. Send SMS "INTERVAL*12345678*xxx" to tracker, "INTERVAL" is a command, "12345678" is password, "xxx" is the interval time, which can be set from 30 to 999 seconds. The tracker will send back information "Set Interval xxx OK", if the password is not right, the operation is fault, the tracker will send back information "Wrong Password". 30 seconds is the default interval time. Longer upload interval time can save battery and GPRS data cost, but this will make the total mileage to more error.

8. Set APN & GPRS user name & password

This tracker use GPRS to upload the information to internet server, most SIM card need active GPRS service first by SMS, the tracker can configure APN automatically after power on according different SIM card,

if the APN & GPRS user name password are not right, the tracker can not upload location to platform (Red LED will flash twice, and the location can not update on the platform), then you need sending SMS to tracker to change them manually, please confirm the auto configuration of APN & GPRS user name password is right, call your tracker SIM card mobile phone company to get the APN & GPRS setting, sending SMS "CHECK*12345678" to the tracker can check the current APN & GPRS auto setting. if the APN & GPRS are not right, please set by the following description.

Send SMS "APN*12345678*apnname" to the tracker, in which, "APN" is the fixed command, "12345678" is the password and "apnname" is the APN name of a mobile phone company. Having successfully been made, there will be a SMS "APN: apnname".

Send SMS "USERNAME*12345678*username*password" to the tracker, "USERNAME" is a command, "12345678" is the password of the tracker; "username" is the mobile company internet visiting user name, "password" is the mobile company internet visiting password, if the operation is success, the tracker will send back the information "Username:username, Password:password", if the password is not right, the operation is fault, the tracker will send back information "Wrong Password".

9. Set Platform Server IP

Send SMS "IP*12345678*58.64.155.133,8011" or "WEB*12345678*d3.igps.info,8011" to the tracker, in which, "IP" or "WEB" is the fixed command, "12345678" is the password and "58.64.155.133,8011" is the IP of the server. "d3.igps.info,8011" is the domain name and port of the of the server, Having successfully been set, there will be a SMS "IP: 58.64.155.133,8011". However, the IP address may be changed with the upgrade of our server, so please see to the notices on our website.

Notice: The tracker IP address has been set to default : 58.64.155.133,8011 in factory, it is not necessary to set again, unless our IP address has been changed or user need upload the location to other server, If our server IP is changed, we will notice on the website.

10. Check Tracker Current Setting

Send SMS "CHECK*12345678" to tracker, "CHECK" is the fixed command, "12345678" is password. The tracker will send back information including software version, ID S/N number, IP address, authorized phone number, GPS and GSM signal etc. if the password is not right, the operation is fault, the tracker will send back information "Wrong Password". The following is an example :

V Mar 08 2019,CC888,804201900581688,d3.igps.info,58.64.155.133,8011,30,A:13987654321,
B:13876543210,GPS OK,GsensorValue:4,ShockControlGPS,WCDMA-65dBm,ShockControlGPRS,CMNET,
User, Password,46000,e1d/24a0,93%

V Mar 08 2019,	;Software version date
CC888,	;TCP/IP Protocol name

804201912345678,	;ID number
d3.igps.info	;Server Domain Name
58.64.155.133,8011,	;Server IP & Port
30,	;Uploading time interval is 30 seconds
13987654321,	;Authorized number (A/B/C)
GPS OK,	;GPS status
GsensorValue:4	;GsensorValue form(0-255) defalut:4
ShockControlGPS,	;GPS module shock control
WCDMA	;Current network is WCDMA
-65dBm,	;mobile phone network signal strength
ShockControlGPRS,	;Uploading is controlled by shock sensor
CMNET,	;APN name
User,	;GPRS user name
Password,	;GPRS password
46000,	;Sim Card MCC+MNC
e1d/24a0,	;Current Cell ID
Battery:88%	;Battery

Note: This command usually be used to check the tracker current status & configuration, if the tracker can not work well, this command can check what the problem is.

11. Re-power On & Reset Tracker

Send SMS "RESET*12345678" to tracker, "RESET" is a command, "12345678" is password. The tracker will send back information "Reset Tracker and cancel all alarm setting", if the password is not right, the operation is fault, the tracker will send back information "Wrong Password".

The tracker will power off and then power on automatically, this will take a few minutes, and then cancel all the alarm setting in the tracker, including shock alarm, turn off car engine etc.

12. Back to factory configuration

Send SMS "FACTORY*12345678" to tracker, "FACTORY" is the fixed command, "12345678" is password. The tracker will send back information "Set factory setting OK", if the password is not right, the operation is fault, the tracker will send back information "Wrong Password".

After this, The tracker will cancel all the alarm setting in the tracker, including shock alarm, move alarm, geo-fence alarm, over speed alarm, delete all the authorized phone number, delete the APN and GPRS user name and password, change the tracker password to 123456, reset the IP address, reset the system working mode and the interval time, and so on.

1> If forgot the password, you can not reset by the SMS command.

2> After back to default set, if the IP/APN/GPRS name & password are changed manually, you need set these again by sending SMS.

Platform Operation Guide

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.nextechgps.com and click the Manual icon also can download the platform manual.



[Platform User Guide Pdf Version](#)

Notes & Trouble Shooting:

1. Please confirm that the SIM card data service is enabled, the APN and username & password for internet visiting is set correctly, otherwise the tracker RED led will flash twice, and the location can not updated .
2. This tracker use 2G/3G/4G network, and it upload tracking only through internet, it can not work in CDMA or CDMA2000 network.
3. The antenna of GPS is built in, please note that the install location of the tracker need receive the GPS signal, normally the back of the seat or in the door post or in the roof post or under the back window or under the panel etc. please leave away the tracker from big metal, make the top of the GPS antenna face to heaven, and keep away from the magnetic components.
4. The tracker built in rechargeable backup Li battery, recharge one time can use about half an hours, normally the tracker connect to the car battery all the time, this can keep the tracker has power supply continuously, and the charging circuit will stop after the battery is full.
5. 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.
6. The tracking data on our server will keep 6-12 months, the old data will be deleted.
7. The tracker auto power off: please confirm the tracker power supply is well connected to car battery and the power fuse is well.
8. After power on the tracker, the tracker GREEN LED keep on, and it has not any repose, and

no ring, please confirm the SIM card has been installed properly, the SIM card PIN code is disable, and the SIM card has enough charge, and the mobile phone can work well in that place. If the tracker work well the Green LED will flash once or third times every 4 seconds (First power on, recharging the battery will delay the first locating 5-30 minutes).

9. If the tracker can not upload location to website, please confirm the SIM card has GPRS function, and confirm the APN or GPRS username & password is right (Send SMS "CHECK*12345678" to check auto configure, and call the mobile phone hot line to confirm the right APN & GPRS). if the tracker do not move, the tracker will not upload tracking, try to move the tracker in the open air (Indoor room can not receive GPS signal) .
10. If the tracker can not send back information by SMS, please confirm the SIM card has enough money, and has ID caller display function and SMS service function, and please read the SMS information of the tracker sending back, and check the instruction & password is right or not.
11. When call the tracker, it has ringing, but it will not hang up the calling, please check the tracker has set the authorized phone number, use the authorized phone number or delete the authorized phone number or make the tracker back to factory setting.
12. After go out the under ground park, the GSM and GPS module will take a few minutes to receive signal and re-locate, some tracking maybe lost, this is normal.

Specification:

Working Voltage	9-40V DC	Communicate Network	2G GSM / 3G WCDMA / 4G LTE
2/3/4G Module (Can be Customized)	EC25 (Quectel)	2G GSM Band	B3(1800 MHz)/B8(900 MHz)
3G WCDMA Band	B1(2100 MHz)/B8(900 MHz)	4G LTE-FDD Band	B1/B3/B7/B8/B20/B28A
2/3/4G & GPS Antenna	Internal & Internal	GNSS Module	GPS+BeiDou (N303)
Locate precision	5-10 Meters	GPS Hot Start Time	1 second average
GPS Cold Start Time	36 seconds average	Moving Tracking Current	<100mA /12V
Standby Current (Online)	< 15 mA /12V	Standby Current (Offline)	< 5 mA /12V
Listen Microphone	Built in	Recharging Current	<100mA 5V
Backup Rechargeable Battery	100mAh (Polymer)	Working Temperature	-20 °C to +55 °C
Absolute Working Temperature	-40 °C to +80 °C	Storage Temperature	-40 °C to +80 °C

Packing list:

The main unit	1 pcs	
The user manual card	1 pcs	
4P Wires	1 pcs	Power Input 7-40V

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NSW 2116 Australia

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