

GSM/GPS
Car Tracking Terminals

USER MANUAL

GGG-3A

Ver: 1.00

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INTRODUCTION

Functions and Features

- > Apply to protect all type of cars, trucks, taxi, jeeps as well as other automobiles.
- > Simple installation
- > Locating and tracking
 - ◆ Dual location:
 - GPS Location tracking data report to monitor center by SMS/GPRS
 - locate your vehicle through both GPS positioning and GSM base station
 - ◆ Query locating information by telephone/ computer or via website if available
 - ◆ Real-time or pre-set time tracking by SMS/GPRS;
 - ◆ GEO/Over speed Alert
- > SOS: pressing the hidden button, hi-jack alert to recipients
- > Power down alert: auto-SMS to the preset phone
- > With backup battery: after Power Failure Alert, it will supply power

Technical Specification

- > GSM Work Frequency: 850 (Optional) /900 /1800 /1900MHz
- > Temperature: Working Temp -20°C ~ +60°C
- > Humidity: 20—95%
- > GSM Antenna
 - Cable type: Gain:3dBi cable-length:3-5meters connector :SMA
- > GPS Antenna: Voltage:3V cable-length: 3-5 meters connector: SMA
Portable antenna: Gain:2dBi height: 5cm connector: SMA

- > Mainframe Power supply: 12/24V DC
- > Backup battery: Poly-Li battery, 600mAh 3.7V
- > Mainframe Dimension: 110x45x15mm
- > Weight: G.W.:0.5Kg/set (including accessories)

Safety Instructions

- > Please do not use the device in the areas where wireless device uses are prohibited.
- > Please use the accessories in the package, such as the antennas and relay.

INSTALLATION

Accessories

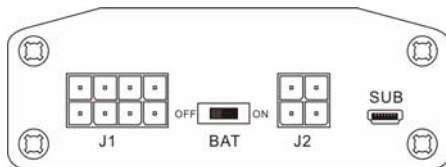
User necessities

1. 1-3 mobile phones for recipients
(Note: with SMS functions.)
2. One valid GSM SIM card for the devices
(with Caller ID & SMS functions and enough balance);

Basic components

1. Main Unit





2. GSM antenna

3. GPS antenna

4. SOS button(optional)



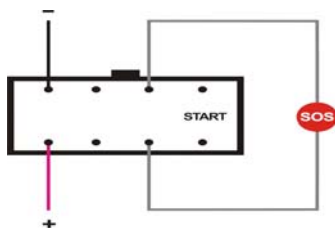
5. 4 PIN connection wire: 2pin to power and 2pin for SOS button



Installation Process

1. SIM Card Installation
2. GSM---GSM Antenna Installation
3. GPS--- GPS Antenna Installation
4. EMG--- Connect SOS button wire
5. Connect power wires to battery
6. Plug the 4PIN into J1
7. Slide the battery switch to "ON".
8. Fix: After installation, check all the wires to be connected well, use

dual glue or band to fix them firmly.



Connection of the J1

Instructions Before Use

1. After installation and power on, LED shows the following status:

GSM LED (D1: red) :

Flashing fast: indicates that GSM have not registered

Flashing slowly: indicates that GSM works well.

State LED (D2: green):

LED On: sending SMS

LED Off: loading down

Flashing slowly: indicates system locating normally.

Flashing fast: indicates system is locating invalid.

2. Factory default : Recipient: Non

Password: 1234

Time Zone: +/-0000

GEO alert: off

Over speed alert: off

3. Battery: Auto-charging when it connects to power

4. GSM/GPS Ant: locate the antennas in suitable area to get signal well.

OPERATIONS

User Operations by SMS

SMS format: *PASSWORD*COMMAND#. (sent by any mobile phone)

The PASSWORD in SMS below is abbreviated to: **PWD**

1. Modify PASSWORD

Send the SMS to the device: *PWD*EXXXX#

Setup successful, it replies : Password has been changed!

Note: xxxx refers new PASSWORD. It is constituted by 4 ASCII codes.

Factory default:1234.

2.SMS set up recipient A, B and C

Send the SMS to the device:

*PWD*AXXXXXXXXXX*BXXXXXXXXXXXXX*CXXXXXXXXXXXXX#

Setup ok, the reply SMS:

Armed/Unarmed: A: XXXXXXXX B:XXXXXXX C:XXXXXXXXXX

Change or Cancel recipients: re-set with new recipients.

Note: ① A,B,C indicates the recipients A,B,C.

xxxxx...indicates the recipients mobile phone number. Max: 20 digits.

② "+country code" must be added when SMS format requires

SMS Format: + Country Code + mobile phone number.

Exp: Recipient A,C setup: *1234 *A+8613666504824*B*C+8613666502528 #
(+86 refers to China code; 136xxxxxrefers to Recipients mobile number)

③ Recipient number shows blank if you do not set up it.

3. Set up Time-zone

Send the SMS to the device: *PWD * GMT+/-xxxx#

Setup OK, the reply SMS: GMT+/-xxxx SETUP OK !

Note: '+' is east zone; '-' is west zone

Exp: Setting up East 8 zone(GMT+08:00), the SMS is *1234*GMT+0800#
West 3:30 zone(GMT-3:30), the SMS is *1111* GMT-0330#

4. Overspeed alert On/Off

on:

Send the SMS: *PWD *SPDxxx,SS#

Reply SMS: Over speedxxx alert on !

off:

Send the SMS: *PWD *SPD000#

Reply SMS: Over speed alert off !

Note: xxx: choose 020~999 Km/H., ss: 01~99min

5. Over GEO range report: On/Off

On:

SMS: *GPWD*SC:N/SXXXX.XX,E/WXXXXX.XX,XXXXX#

Reply: GEO Report On / Format Error!

Off:

SMS: *GPWD*SC:00000#

Reply: GEO report off!

Note: the format of the Lat/ Long

Exp: *1234*SC:N04149.20,E12323.52,00800#

- N4149.20: north latitude of the center point 41°49.20'
- E12323.52: east longitude of the center point 123°23.52'
- 00800: radius 800m

6. Resume to Factory Default

Send the SMS to the device: ***UPWD*V#**

Setup successful, it replies: **Factory Default Restored!**

7. Wrong Message

In case SMS command invalid, you will receive the prompt SMS:
[FORMAT incorrect, please confirm!](#)

8. Query

8.1 Recipients Query

Send the SMS to the device: ***PWD*Y#**

Query successfully, the reply SMS: [A:XXXXXXXXB:XXXXXXXXXXC:XXXXX](#)

8.2 Vehicle GPS Data Query

A. GPS Data Query: (Format: Degree/ Minute/Second)

Send the SMS: ***UPWD*GPSM#**

SMS reply: **Time:xx-xx-xx xx:xx:xx Speed:xxxkm/h S/N:xxdxxmxxs
W/E:xxdxxmxxs**

B. GPS Data Query: (Format: Degree)

Send the SMS: ***UPWD*GPSD#**

SMS reply: **Time:xx-xx-xx xx:xx:xx Speed:xxxkm/h S/N:xx.xxxx
W/E:xx.xxxx**

C. GPS Data Query: (GPS Standard Format)

Send the SMS: ***UPWD*GPS#**

SMS reply: **\$GPRMCxxxxxxx**

Note: GPS fails to position, SMS reply: [NO GPS!](#)



1. Emergency Alert (SOS)

In emergency situation, by pressing the hidden SOS button, the SOS alert is sent directly to the recipients.

Highjack Alert; LAC:xxxxxCID:xxxxx; Time:xx-xx-xx xx:xx:xx
Speed:xxxkm/h S/N:xx.xxxx W/E:xxx.xxxx

2. Power-off Alert:

Power off Alert!; LAC:xxxxxCID:xxxxx; Time:xx-xx-xx xx:xx:xx
Speed:xxxkm/h S/N:xx.xxxx W/E:xxx.xxxx

3. Over speed Alert:

Overspeed Alert; LAC:xxxxxCID:xxxxx; Time:xx-xx-xx xx:xx:xx
Speed:xxxkm/h S/N:xx.xxxx W/E:xxx.xxxx

4. GEO Alert:

GEO Alert; LAC:xxxxxCID:xxxxx; Time:xx-xx-xx xx:xx:xx
Speed:xxxkm/h S/N:xx.xxxx W/E:xxx.xxxx