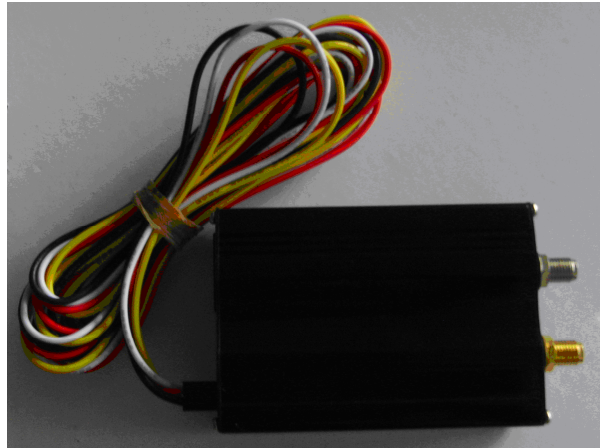


User manual of GPS/GSM Car Alarm & Tracking System

(Model No.: GT-110E)



Version 1.2

Made In China

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Brief Introduction

This GPS/GSM Car Alarm & Tracking System is not only the advanced car security product but also a precise GPS tracking system. It is a combination of Global Positioning System(GPS), Short Message System(SMS), Radio Frequency Identification Solution (RFID). It provides a very safe solution for protecting the vehicle.

This system is specially designed for individual user, user could supervise, control and locate the car by telephone without the third party. On the other hand, if the management center is set up, user could get much more stronger functions, such as tracking by map, easy-to-understand SMS message, Geo-fencing, etc.

Read it Firstly:

Please read this manual thoroughly before you use the device, please keep it for future reference.

Attention:

- (1) Please keep the device away from the water, humidity place or high temperature.
- (2) Please prepare a valid GSM SIM card in advance.

Warning:

We **strongly** suggest user let the professional car electrician to install the system.

How it works

- (1) Prepare a valid GSM SIM card (900MHz/1800MHz), insert it into the SIM card slot on the main unit.
- (2) Install the system according to the wiring diagram (Shown as page).
- (3) Setup the system according to the SMS instructions.(Shown as Page)
- (4) Arm the system by telephone, then trigger the alarm (opening the door, or starting the engine), the system will send SMS to the alarm-received mobile immediately. This alert SMS includes the information of alarm type, latitude, longitude, Direction, Speed & GSM network's base station code.
- (5) User could send out the command via SMS to monitor the voice around the vehicle, to stop the car, or to locate the car's position.
- (6) If the management center is established, the alarm information could also be sent to the center. User could supervise & locate the vehicle on map. By the help of the management software, the Alert SMS message (latitude, longitude, direction, speed) could be translated into the friendly information (city name, street name...etc.).

NOTE: The management software & the electronics map are necessary to build the center. This function & components are optional

Functions & Features

- (1) Automatically send SMS to your phone in case of theft.
- (2) Monitor the voice around the car via telephone
- (3) Cut off the car power/fuel supply by SMS, to stop the car
- (4) Lock/unlock the car door by first phone owner
- (5) Inquire the car's location, speed & direction via SMS
- (6) Two kinds of location information, user could locate the precise location by GPS. At those place where there is no GPS signal, user could also locate the car by CPS system(located by GSM network);

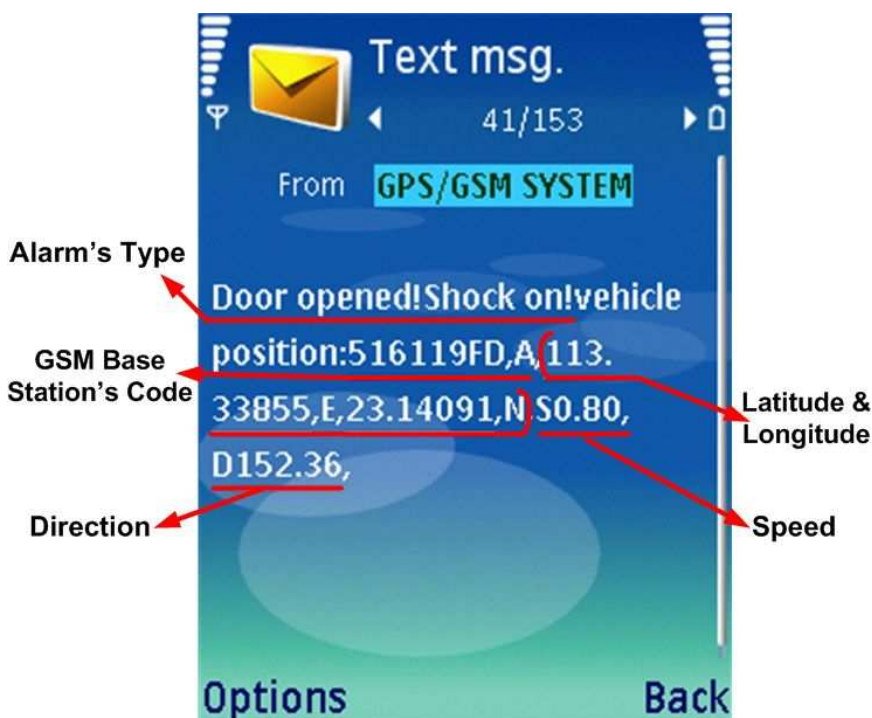
- (7) Track the car by SMS or by software(The software is optional).
- (8) Anti-tamper design with back up battery, stable and reliable.
- (9) Flexible design, the system could work without the third party. User can also set up a management center to supervise & control many vehicles at the same time (optional).
- (10) If the car exceeds the limited maximum speed, or the car oversteps the certain territory(=Geo-fencing), the system will send SMS to warn the user. (Optional function of the management software)
- (11) 1) SOS alarm (optional)
2) Shake sensor ((optional))
3) Over speed alarm
4) When the vehicle in the arm status, it will alarm when it move over 100m.
- It can remind you when the alarm of the power-off and low power of the built-in battery.
- (12) Automatic send the positioning the software

Operation By Telephone

Arm/Disarm by Telephone Calling

User could also use the alarm-received telephone to call the system SIM card number, so as to arm/disarm the system.

SMS Alarm Message



Example: The above message shows that: the car door is open, the car is shocked. The GSM base station code of the car is 516119FD, the longitude is 113.33855, the latitude is 23.14091, the car's speed is 0.80, the car's direction is 152.36.

Note: If the management center is set up, the management software & the electronics map will translate the SMS Alarm information into the friendly format.

How to Track the Car

Track the Car by SMS

The format of the instruction is: "user password(111111)+ control code(XXX)"

The default user password is 111111.

XXX is the control code, it could be capital letter or small letter.

There is no space between the user password & the control instruction.

- **111111PSWnnnnnn**

This instruction is used to change the user password. The length of the user's password is 2-6 digits. User are suggested to change to the new password in use.

Example: User sends the SMS "111111PSW1234" to the system SIM card number, and gets the confirmation SMS "111111PSW1234" in 10 seconds. It means that the user password has been changed to 1234.

- **111111ARM**

This instruction is to arm the system.

The direction lights flash once, the siren sounds once, the system will send back the confirmed SMS to you, such as "Arm Setted! Vehicle positoin:"

- **111111DSM**

This instruction is to disarm the system.

The direction lights flash twice, the siren sounds twice, the system will send back the confirmed SMS to you, such as "Arm unsetted! Vehicle positoin:"

- **111111STP**

This instruction is to cut off the car's power supply or fuel supply, so as to stop the car.

The car lights will flash, the siren will sound. The car will be controlled to stop gradually.

Attention: It is very dangerous to cut off power when the vehicle is running. We do not take any responsibility to the consequence caused by this action.

- **111111RES**

This instruction is to restore the car to normal status after stopping the car.

- **111111CHK**

This instruction is to inquiry the system status & information.

The system will send back the SMS, includes the similar information as "Arm setted, vehicle position:"

- **111111MON***

This instruction is to ask the system to call you back on the call back phone number specified by the * eg if the PIN No. is 111111, the sending 111111MON08033095802 will cause the system to call you back on 08033095802 and activate the secret microphone so that you can listen to conversation of people inside the vehicle.

Track by the Management Software

Go to Web <http://gsm110.vicp.net/e/> User Name: Password , Login

Input Degrees/Minutes/Sec Long and Lat, than Positioning

First:You send 111111CHK to your car SIMCARD; will receive one message,and add:

Input coordinate :

Longitude :

Latitude :

Positioning

Attention: the first Cell phone Number only use In China, you do not add.

Specifications

GSM frequencies: 900MHz/1800MHz; (If 850/900/1800/1850, you tell us, we change)

Working voltage: +12~20 VDC (if 24VDC, you tell me)

Power Consumption: Idle current: <=60mA, Working current: <= 250mA;

Maximum sending power: 1 W;

Working temperature: -30~70°C;

Humidity: 0 ~ 95%;

The time from alarm's triggering to receiving: <=10 seconds;

Dimension of main unit: 7.5*5.4*2.5 (CM)

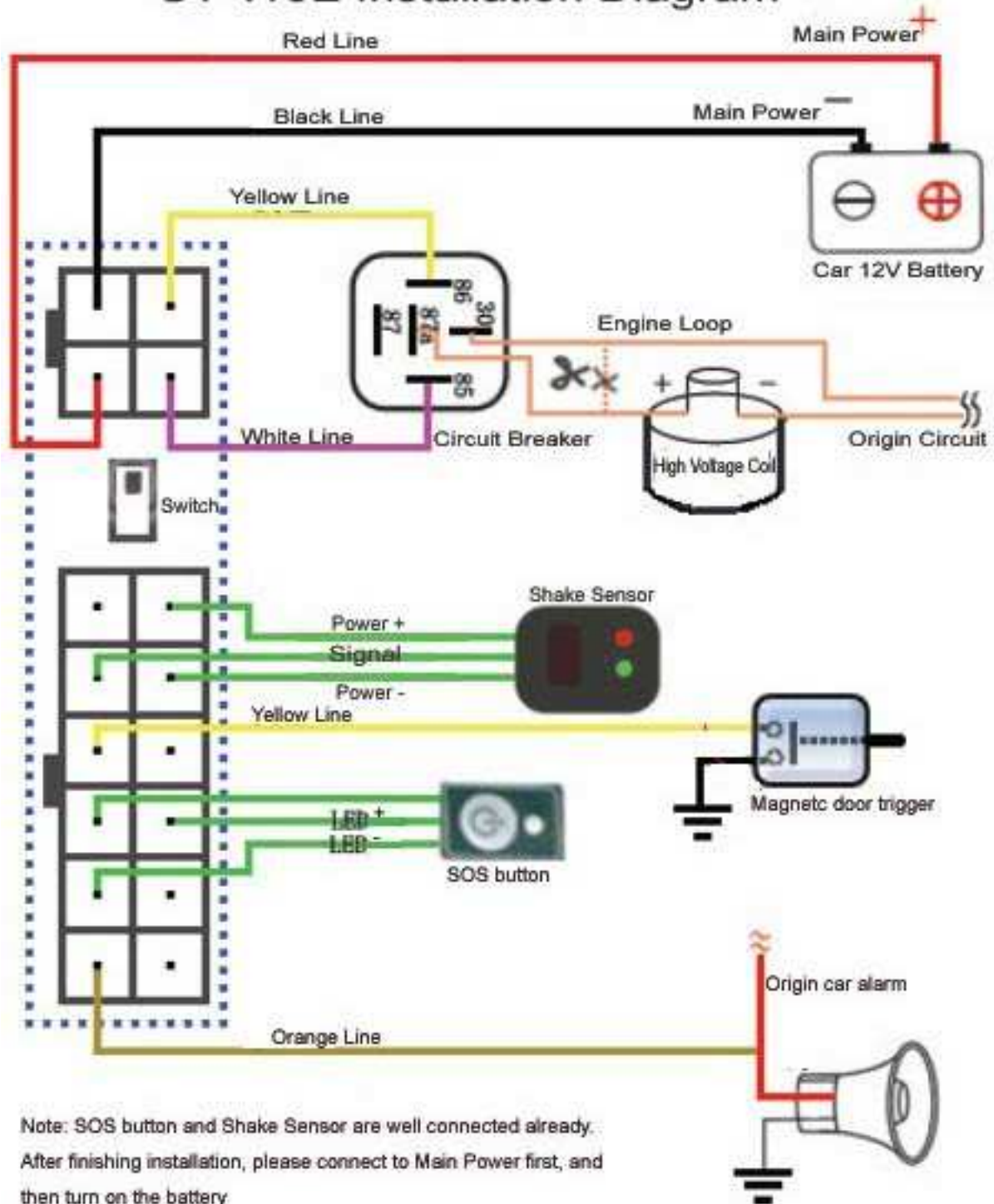
Net weight: 0.1kg

Gross weight: 0.5kg

FAQs & Troubleshooting

FAQ	Troubleshooting
The mobile can not receive the alarm informations. The other functions are OK.	(1) The SIM card inside the system has no credit; (2) The SMS instruction is not in correct format; (2) The mailbox of the user's mobile is full;
The transmitter doesn't work or the distance is not long enough	(1) Check the contact of the battery; (2) Replace a new battery;
No GPS signal	(1) Please place the GPS antenna in the outdoor; (2) Please check the connection of the GPS antenna;
False alarm	(1) Door is not closed tightly (2) The door triggering switch is damaged (3) The button on the transmitter is pressed casually
There is no response while operating transmitter	(1) The system is triggered by "robbery alarm"; (2) The car has been stopped by SMS instruction.

GT-110E Installation Diagram



Note: SOS button and Shake Sensor are well connected already.
After finishing installation, please connect to Main Power first, and then turn on the battery