

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 stronger functions, such as tracking by map, easy-to-understand SMS message, Geo-fencing, etc.

Read it First:

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.

Specifications

Content	Specs
Dim.	14.5*8*3CM
Weight	1.31KG (GW) 0.3KG (NW)
Network	GSM
Band	850/900/1800/1900MHZ
GPS chip	SIRF 3 CHIP
GSM module	WAVECOM 300/340 module
GPS sensitivity	-159dBm
GPS accuracy	5m
Time To First Fix	Cold status 45s Warm status 35s Hot status 1s
Wall charger	110—220V input 5V output
Battery	+12~20 VDC (if 24VDC, you tell me)
Power Consumption	Idle current: <=60mA, Working current: <= 250mA;
Storage Temp.	-30~70°C
Operation Temp.	-20°C to +55°C
Humidity	5%--95% non-condensing

GSM frequencies: 900MHz/1800MHz;(If 850/900/1800/1900MHz, please tell us, we will change for you)

Working voltage: +10~14 VDC (if 24VDC, please tell us)

Power Consumption: Idle current :< =50mA, Working current: <= 300mA;

Maximum sending power: 1 W;

RF receiving sensitivity: -102dBm;

Working temperature: -20 ~ 80degrees;

Humidity: 0 ~ 95%;

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

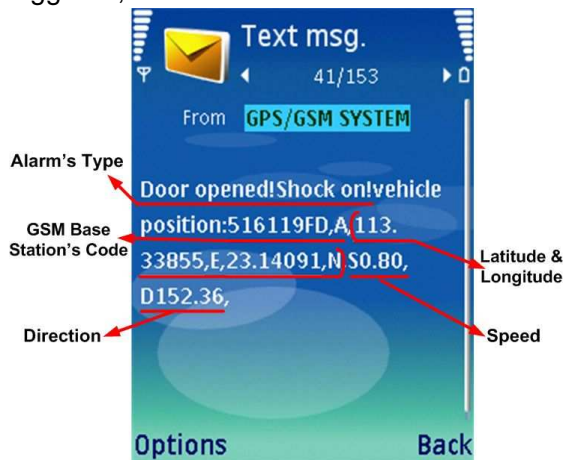
Functions & Features

- (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) Emergency button, send out SMS for help in case of hijack
- (5) Lock/unlock the car door by the transmitter or by phone
- (6) Central lock automation
- (7) Inquire the car's location, speed & direction via SMS
- (8) 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);
- (9) Track the car by SMS or by software(The software is optional).
- (10) Anti-tamper design with back up battery, stable and reliable.
- (11) 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).
- (12) 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)

Operation By Telephone

SMS Alarm Message

When alarm is triggered, it will send the similar SMS message as below to the user's mobile. SMS alarm message includes:



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.

Call control instructions

Arm the device:

When you call the device, the device just rings one time, it will be no answer to you phone. And after 30 seconds the device calls you back. By the way, the siren will sound one time.

Disarm the device

When you call the device, the device rings. It won't call you back, and the siren will sound two times.

SMS Control Instructions

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.

● **11111PSWnnnnnn**

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

Example: User sends the SMS "11111PSW1234" to the system SIM card number, and gets the confirmation SMS "11111PSW1234" in 10 seconds. It means that the user password has been changed to 1234.

● **11111ARM**

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 "system is arm! Vehicle position:"

● **11111DSM**

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 "system is disarm! Vehicle position:"

● **11111STP**

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 (2 mins). The car will be controlled to stop gradually. the system will send back the confirmed SMS to you, such as "vehicle will be stopped"

11111STP0 Cancel the speed condition

11111STP30 Stop command when the car over speed 30 KM

11111STP50 Stop command when the over speed 50 KM

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.

● **11111RES**

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

● **11111CHK**

This instruction is to inquiry the system status & information.

The system will send back the SMS, includes the similar information as "system is arm! Engine is off, door is closed, vehicle position:"

● **11111MON15920028534(phone number)**

This instruction is to ask the system to call you back on the call back phone number eg if the PIN No. is 111111, the sending 11111MON15920028534 cause the system to call you back on **15920028534** and activate the secret microphone so that you can listen to conversation of people inside the vehicle.

● **11111MON!**

This instruction is to ask the system to call you back automatically. The system will send back the confirmed

SMS to you, such as “OK, please call me in two minutes”

SOMETHING ABOUT THE ALARM:

11111*10phone number*20phone number*


To set the owner of the car, when the driver press SOS or the car was be shacked , the device will send the SMS to the car owner. When you press SOS (the button), the first or the second owner will receive the SMS from the device.

Cancel SOS alarm.


Send the command **CEN666666#4** to the device.

The process of triggering the alarm

The following conditions will trigger the system to send out alarm message:

- ✧ In arming status, the car is shocked;
Car lights flash, siren sounds, the system will send SMS such as “Shock on, vehicle position: ” to user’s mobile;
- ✧ In arming status, the car door is open;
Car lights flash, siren sounds, the system will send SMS such as “Door Opened, vehicle position: ” to user’s mobile;
- ✧ In arming status, the engine is started by ignition key;
Car lights flash, siren sounds, the system will send SMS such as “Engine on, vehicle position: ” to user’s mobile;
- ✧ In arming status, the car’s power supply is cut off;
The system will send SMS such as “Power supply failed, vehicle position: ” to user’s mobile;
- ✧ At any time, press Emergency Help button  on the transmitter for 3 seconds;
Car lights flash 3 times quickly, siren sounds 3 times quickly, the system will send SMS such as “ Urgent help , vehicle position: ” to the alarm-received mobiles;
- ✧ At any time, press the Anti-robbery Switch for 5 seconds;
Car lights will not flash, siren will not sound, the system will send SMS such as “ Be robbed , vehicle position: ” to the alarm-received mobiles;

The process of finding the car in the parking lot

Press Car Finder button  on the transmitter, the direction lights will flash 5 times, the siren will sounds 5 times.

How to Track the Car

Track the Car by SMS

The user could get SMS alarm message from the system, this message includes 2 kinds of location information:

- (1) .The code of the GSM networks’ base station. By the help of the GSM operator, the car could be easily located.
- (2). The GPS’s latitude & longitude, user could track the car’s precise location after inputting them in the GOOGLE EARTH (please download it from <http://gsm110.vicp.net/e/>)

Track by the Management Software

- (1) Go to Website: <http://gsm110.vicp.net/e/> (User Name: bbbb Password: aaa)
Input Degrees/Minutes/Sec Longitude and Latitude, then press "Positioning"
send 111111CHK to your car SIM card; then receive one message, and add:



Input coordinate :

Longitude :

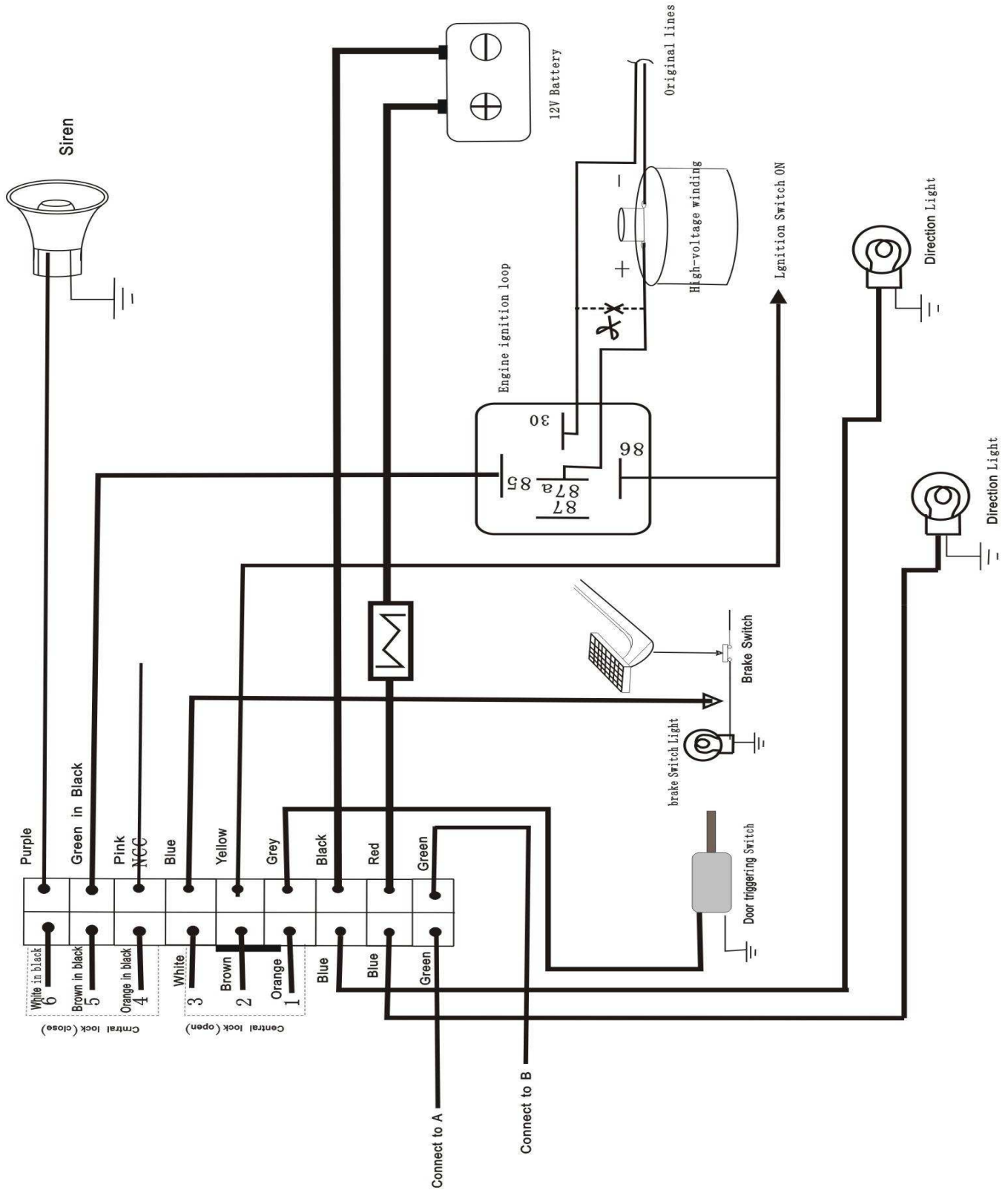
Latitude :

Positioning

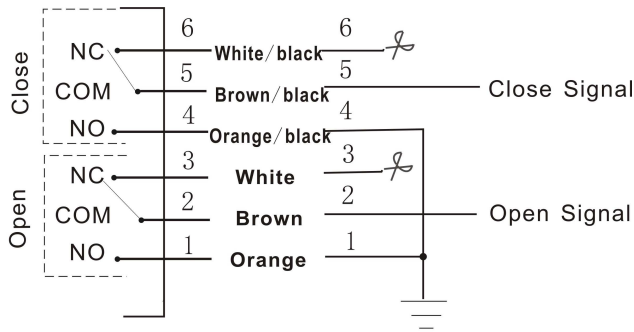
FAQs & Troubleshooting

FAQ	Troubleshooting
The mobile can not receive the alarm informations, and other functions are OK.	(1) The SIM card inside the system has no credit; (2) The SMS instruction is not in correct format; (3) 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.
How many alarms does the device have	1) Shake alarm. 2) SOS alarm in the controller 3) Start the car by illegal alarm 4) SOS alarm When you disarm the device , the shake alarm , SOS alarm in the controller, Start the car by illegal alarm will cancel. But the SOS alarm should be cancelled by command CEN666666#4

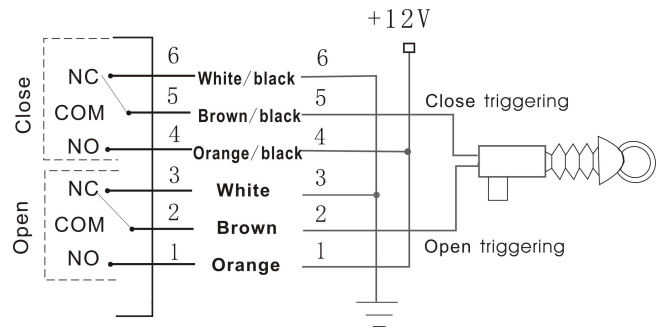
Wiring Diagram



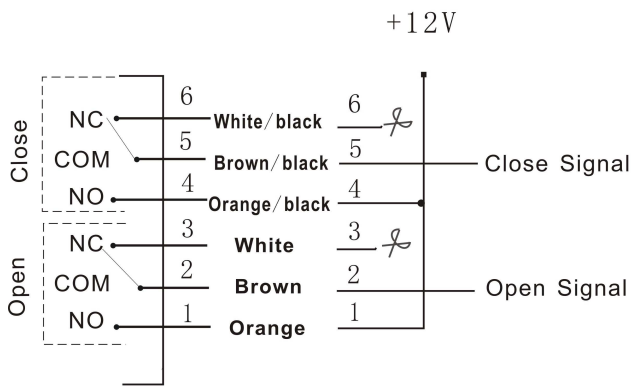
Connection with Central Lock



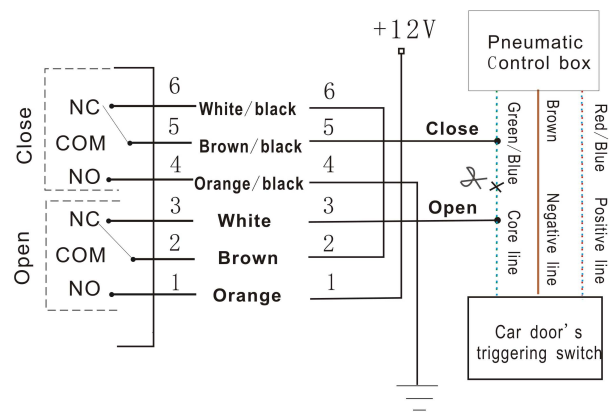
Negative Triggering



Positive/Negative Triggering



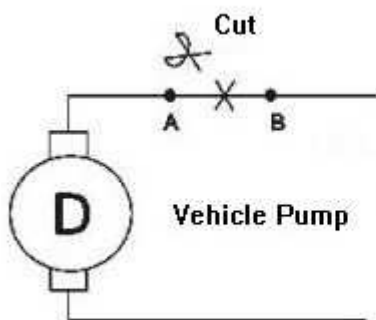
Positive Triggering



Pneumatic Lock Triggering

Connect to page 11

See the following picture the connection of A & B



Explanation :
When the pump is cut , Please connect the wire to the tracker, Or the pump can not work.

Remarks:

- 1) Engine wire is the green in black, easy to make mix up A/B wire (green) , please pay attention to the plug hold connection.
- 2) It no direction between A/B green wires.
- 3) The white wire in the Circuit is +12V, yellow is -12V, do not make them opposite.