

# WT-215

## GSM Car Alarm System

### User Manual



## PRODUCT OVERVIEW

GSM Remote Car Alarm System is the new version of car one-way or two-way alarms system. It combines the GSM mobile communication, GSM locating technology and MECROCHIP rolling code technology, multi-code mating and microcomputer technology. The car owners can control the car remotely by cell phone in another place even in another city. The system can call emergency help to the mobile or fixed phone automatically.

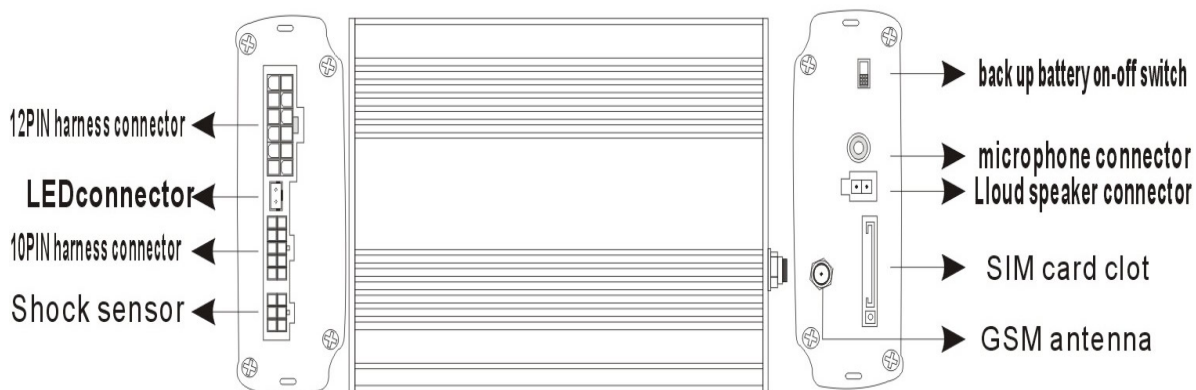
### The functions of GSM remote car alarm system

1. Ensure the safety of company and personal vehicles.
2. Prevent the occurrences of crimes to vehicles.
3. Decrease the compensation of insurance.
4. Give alarm in time
5. Be convenient for taxi and transportation companies to manage vehicles

## THE LIST OF PARTS

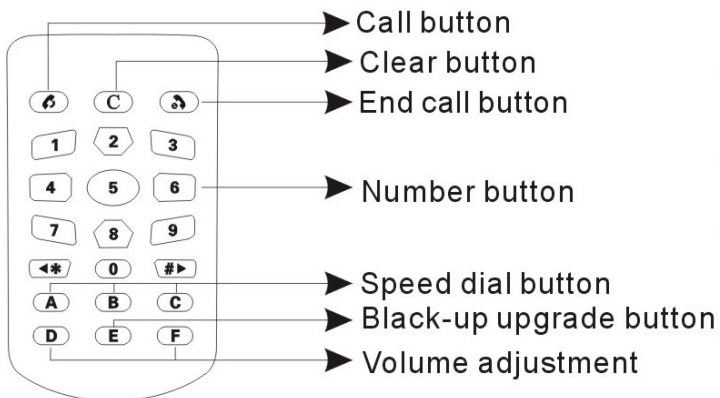
### The identification for the main accessories

#### I: The main unit

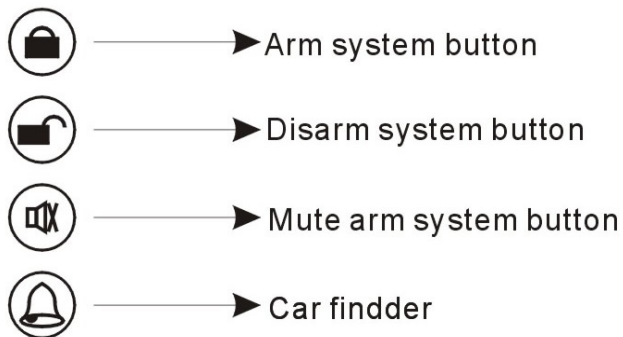


<Please refer to the wiring diagram of installation and do according to the diagram when install>

## II. Identification for wireless keyboard

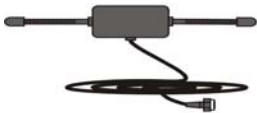


## III. Identification for remote controllers



<The pictures for wireless dial and remote controller are only for your reference, the real appearance subject to practicality>

PLATFORM FOR ACCESSORIES



GSM antenna  
Working frequency  
850MHz-1900MHz



Shock Sensor  
Working frequency  
400MHz-433MHz



Relay  
Working voltage 12VDC/40A



12PIN harness

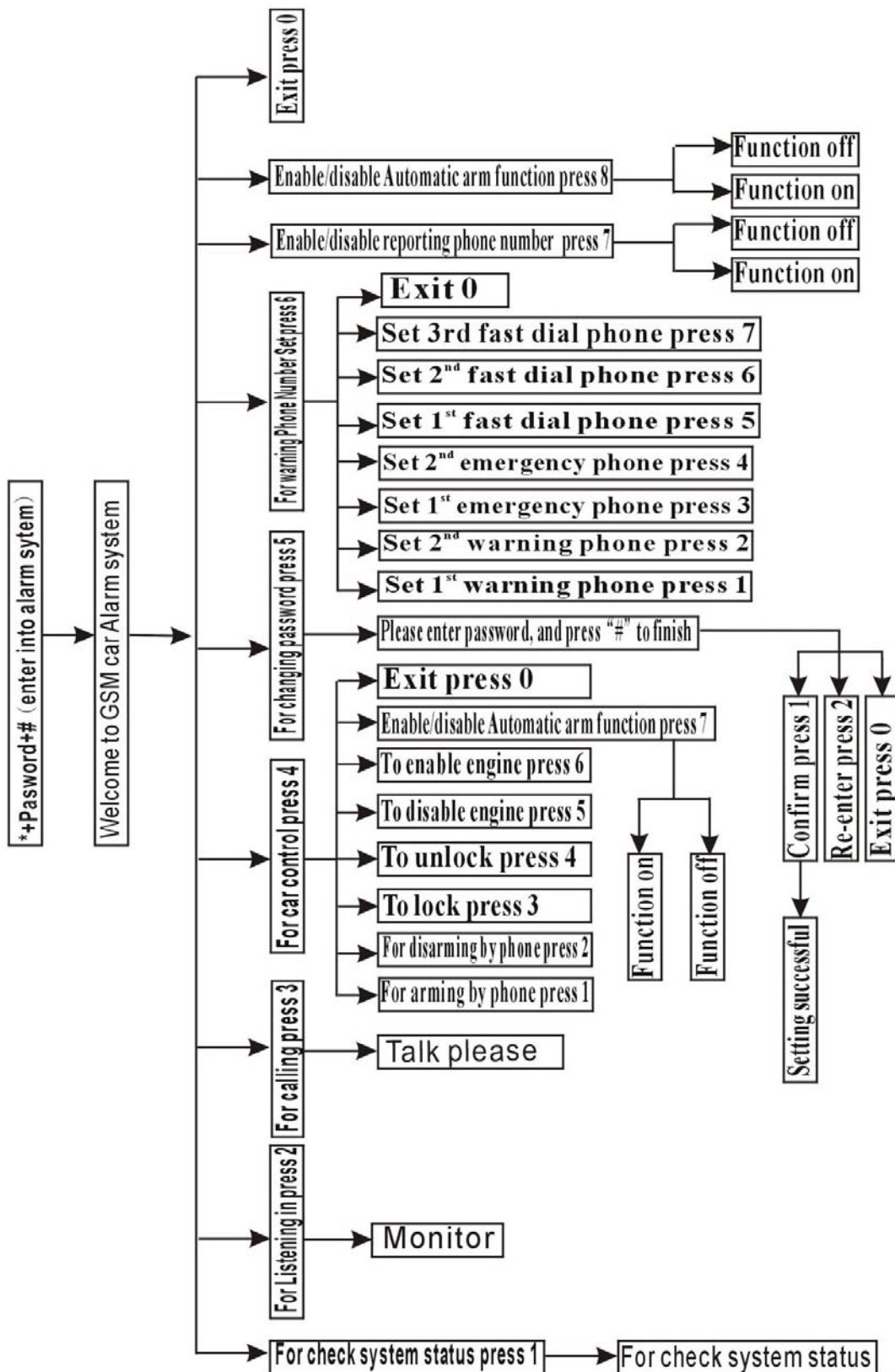


Siren  
Working voltage 12VDC/8R






10PIN harness

SPEED OPERATION GUIDE





## DETAILS FUNCTIONS INTRODUCTION



1. **Remote controller function** (WT-215 without remote controllers function)(i) **Remote controller arm system**

Briefly press  button, direction light will flash once, siren will chirps once, enter into sound and light alarming status. If car door isn't locked well, press  button, direction lights will flash for 3 times and siren chirps three times, enter into sound and light alarming status. If the door is still unlocked within 30 seconds, base unit will enter into alarming status. Under system disarmed status and car is running, press  button, the central lock will lock automatically.



(ii) **Remote controller disarm system**

Briefly press , direction lights will flash twice and siren will chirps twice, system will be disarmed. Under system disarmed status and car is running, press , the central lock will unlocked automatically.

(iii) **Car finding**

Briefly press  button, direction light flashes for 25 seconds, siren will chirp for 25 seconds, showing the car location, and press any button to end searching; under mute arm system, briefly press  button, direction lights flash for 25 seconds and press any button to end searching.

(iv) **Mute arm system**



Briefly press , direction light flashes once, enter into mute armed status. If door is unlocked, press  button, direction lights flash for three times, enter into mute alarming status. If the door is still unlocked within 30 seconds, base unit will enter into alarming status.

(v) **Trunk release**

Under system disarmed status, press  button above 3 seconds, the trunk will be release once and siren will chirp once.

Notice: Vehicle itself must have remote trunk release function.

### (vi) Emergency help

Under system disarmed status and car is running, press the mute button for at least 3 seconds, LED will be lightning , direction light flashes, siren will chirps constantly, and engine will stop 10 seconds later. Press  , and then press  , Emergency help will stop.

## 2. Wireless Keyboard operation

### (i) Menu function

Press the "\*" and "#" in keyboard (if there is password, please press the "\*" + password: \*\*\*\*\* + "#"), then voice prompts "welcome to GSM car alarm system", and enter into phone operation menu, in which except "2. Monitoring and 3. Speaking" are valid; any other options are the same with "Telephone operating function".

### (ii) Answering Call function

When there is call, you will hear a ringing first, then the phone number report, and continuous ring. During which press "Call " button and enter into handset talking. Press " Call "button again to switch to earphone function.

### (iii) Re-dial function

After end a call, press "Call" to re-dial the last call-out phone number.

### (iv) Volume adjustment

Under talking status, press the D to increase volume and F to decrease volume.

### 3. Phone operation functions

#### Main Menu

#### (1) When the engine is started:

If there is call, the main unit detects whether it is from the programmed alarm phone numbers, if not, you will hear the "Ringing", then phone number reporting twice .If yes,. Voice prompts "1, car control 2, Talking ", press 1, you will hear the "Ringing.....Phone number reporting twice...Ringing"; press 2, enter into car control option, voice prompts you "please enter password, and press# to finish", if password is wrong ,voice prompts "wrong password ,try again ", continuous wrong password for five times, voice prompts "Wrong password ,bye" .If password is correct ,voice prompts" For check system status press 1 for Monitoring press 2, for talk press 3, for car control press 4, for changing password press 5, for alarming Phone Number Set press 6 , Enable/disable reporting phone number press7, Enable /disable call ID function press 8,exit press 0 "

#### (2) When the car is parking

If there is call, the main unit detects whether it is from alarming phone numbers, if not, you will hear the ringing "ding...call the telephone number twice...Ding..."If it is from one of the two alarm phone numbers, then voice prompts " please enter the password, and press '#to finish". If the password is wrong, voice prompts: "wrong password, please try again", continuous wrong password five times, then voice prompts: "wrong password, bye" If the password is right, voice prompts "For check system status press 1 for Monitoring press 2, for talk press 3, for car control press 4, for changing password press 5, for alarming Phone Number Set press 6 , Enable/disable reporting phone number press7, Enable /disable call ID function press 8,exit press 0 "

#### (3) If no response:

If there is no response after 45 seconds during the operation, voice prompts "Du..."once per 5 seconds, when time reaches 1 minute, then "Time is out, goodbye".



Notice: The SIM card must have call ID function then our system support the call ID function

### (a) Check system status

#### Under system armed status

Contact with the main unit through two alarm phone numbers, enters into the main operation menu, and selects "Check system status press 1", according to condition that the car is under, voice reports:

"Alarm system armed, door locked"

"Alarm system armed, door unlocked"

"Alarm system armed, door lock ,engine disable"

#### Under system disarmed status

Contact with the main unit through two alarm phone number, enters into the main operation menu, selects "Check system status press 1", according to condition that the car is under, voice reports:

"Alarm system disarmed, door unlock "

"Alarm system disarmed, door unlock, car door open"

"Alarm system disarmed, door unlock, engine disable"

"Alarm system disarmed, door lock"

"Alarm system disarmed, door lock, car in motion"

### (b) Monitoring

Contact with the main unit through the two phone numbers ,enters into operation main menu, selects" For Monitoring press 2" to enter into monitoring mode, voice prompts "start monitoring", The limit time for monitoring is 5 minutes , if you want to keep on monitoring , press any button within 5 minutes but except "0" and "3",then you can continue to monitor for another 5 minutes ,otherwise 5 minutes later ,the call ends automatically.

During monitoring, press "0" back to the main menu.

During the monitoring, press "3" to start talking, meanwhile press "2" back to monitoring again

### (c) Talking

Contact with the main unit through the two alarms phone numbers, enters into the main operation menu to press "For talk press3", voice prompts "Talk, please", and then you can talk with the person inside the car , 5 minutes later, overtime prompts " Du...", press any key except "0" and "2"to continue talking another five minutes , otherwise five minutes later ,voice prompts "Time is out ,good bye" then the call ends automatically


During talking, press "0" to be back to the main menu.

During talking, press "2" to start monitoring, meanwhile press "3" back to talking


### (d) Car Control

Contact with the main unit through the alarm phone numbers ,enters into main operation menu and select "for car control press 4"to enter into sub-menu

#### (i) Arm system by phone

Enter into sub-menu and select "for arm by phone press 1" ,the reaction of the main unit is the same with "  "on remote controllers, voice prompts "alarm system armed by phone" . If engine is started, this function is valid. If system armed by phone, remote controller will be valid, system can be disarmed only by phone, then remote controller would be useful.

#### (ii) Disarm system by phone

Enter into sub-menu and select "for disarm by phone press 2" the reaction is the same with "  " on remote controller, and voice prompts "alarm system disarmed by phone"

#### (iii) Door Lock

Enter into sub-menu and select "to lock press 3", the central lock will lock the system; voice prompts" car lock"

#### (iv) Door Unlock

Enter into sub-menu and choose "to unlock press 4", control system will unlocked the system , voice prompts "Door unlocked"

### (v) Engine Disables

Enter into sub-menu and select "To disable the engine press 5", if the car is running, voice prompts "to confirm stopping the engine press 1,exit press 0", select "To confirm disable the engine press 1", system reports "Engine disable, 9, 8, 7, 6, 5, 4, 3, 2, 1 and 0", then the car will stop, direction lights will flash and siren will chirp.

### (vi) Engine enable

Enter into sub-menu and select "to enable the engine press 6", both siren and direction light will stop working, voice prompts "Engine enable" and system allows car running.

### (vii) Enable or disable the automatic arm function

#### i. Enable the automatic arm function

Press "7" and direction light will flash once and voice prompts "Function on " .

#### ii. Disable the automatic arm function

Press "7" again and direction light will flash twice and voice prompts "Function off "

### (viii) Exit

Enter into sub-menu and choose "0, exit", and system will be return to the last main menu.

### (e) Change password

Contact with the base unit by the two alarm phone numbers, enter into operating main menu and choose "to changing password press 5", voice prompts" please enter password and press #" to finish", after it, input your password, voice prompts "your password is\*\*\*\*\*, for. Confirm press 1,for re-enter press 2,for exit press 0", then select "for confirm press 1" and "set successful "; if you want to delete password, after voice prompts "please enter password and press #"to finish", only press # without no numbers ,then system will prompt" your password is ,to Confirm press 1,to re-enter press 2,to exit press0",select "to

confirm press 1",system prompts "set successfully", the previous password deleted

**(f) Set up phone numbers**

Contact with the base unit by phone, enter into the main operation menu and select "for alarming phone number set up press 6" ,then enter into the next sub-menu:

**(i) Set up the first alarming telephone number**

Enter into sub-menu and choose "the first alarming phone No Set up press 1.",voice prompts "enter telephone No. and press #"to finish" after that voice prompts "your enter phone number is\*\*\*\*\*,for confirm press 1,for re-enter press 2,for exit press 0", then choose "for confirm press 1",finally system prompts" set successfully"; if choose "for re-enter press 2",please input the phone number again ,choose "for exit press 0" and you will exit from the first alarm phone number set-up; if you want to delete the phone number ,after hearing the voice : "enter phone number ,press # to finish ,please just press"# without any numbers ,system prompts" your entered phone number is \*\*\*\*\*,for confirm press 1,for re-enter press 2,for exit press 0",press 1,system will disregard the previous phone numbers

**(ii) Set up the secondary alarming phone number**

Enter into sub-menu and choose" the secondary alarm phone number set up press 2",the later operation method is the same as the first alarm phone number set-up

**(iii) Set up the two emergency phone number**

Enter into the sub-menu and choose "for the first emergency phone number set up press 3", later operation method is the same as above

Enter into the sub-menu and choose "for the secondary emergency phone number set up press 4", later operation method is the same as above

**(iv) Speed dialing phone numbers (3 speed keys as A/B/C)**

Enter into sub-menu to choose "for the first speed dialing phone number set press 5", "for the secondary speed dialing phone number set press 6", and "for the third speed dialing phone number set press 7", the operating method is the same with above

**(g) Enable/ disable phone number reporting function**

**(i) Enable phone number reporting function**

Enter into sub-menu and choose "enable/disable phone number reporting function press 7 " then voice prompts "Function on "

**(2) Disable phone number reporting function**

Press "enable/disable phone number reporting function" again then voice prompts "Function off".

Note: close this function then any called-in telephone number cannot be read.

**(h) Enable/Disable vehicle owner identifying function**

**(i) Enable vehicle owner identifying function**

Enter into sub-menu to choose "Enable vehicle owner identifying function press 8" then voice prompts "Function on"

**(ii) Disable vehicle owner identifying function**


Press "8" again then voice prompts "Function off".

Choose "for exit press 0" in the main menu, voice prompts "Thanks, bye", and the call ends


## 4. Alarming

### (1) Shocking alarming

#### (a) Siren & light alarming

Briefly press the  in remote controller to make the main unit into siren & light alarming status. After 25 seconds, trigger the system by shaking, direction lights flash for 5 seconds, siren chirps desultory for 25 seconds, the system will call the programmed alarm phone number, after answering the call, voice prompts "shaking alarm" for 5 times, then enter into the main operation menu

#### (b) Mute alarming status

Briefly press  in remote controller to make the system enter into mute alarming status. Under mute status, trigger the alarm by shaking for the first time, the direction lights flash for 25 seconds, 15 seconds later, trigger the alarm by shaking again, direction lights flash for 25 seconds, the system call for the programmed alarm phone numbers, after answering the call, voice promotes you "Shaking alarm" for 5 times, and then enter into main operation menu.

### (2) On-off Switch triggered alarming

#### (a) Car door opened alarm

Under system armed status, open the door, the car door lock/unlock sensor detect the intrusion, direction lights flash for 25 seconds, siren chirps at the same time, the base unit call the programmed controlling phone number, after answering the call, voice prompts "car door open" 5 times, then enter into main operation menu

#### (b) Car started alarm

Under system armed status, some one start illegally, the system detect the intrusion, direction lights flash for 25 seconds, siren chirps at the same time, the base unit call the programmed the controlling phone number, after answering the call, voice prompts: " engine started"

### (c) **Foot brake to trigger alarm**

Under system armed status, pulled foot brake will trigger alarming. Direction lights flash for 25 seconds, and siren will chirp at the same time, the system will call the programmed alarm phone numbers ,after answering the call ,voice prompts "engine started "for 5 times ,and then enter into main operation menu.


Enter into sub-menu and choose "enable/disable the automatic arm function

### (3) **Power-off alarm**

If the standby battery is on, Cut off the main unit's power source ,the system will call the programmed alarming phone numbers automatically ,after answering the call ,voice prompts" system power off " for 5 times ,and then enter into main operation menu

### (4) **Emergency help**

#### (i) **By remote controller**

Under system disarm status and vehicle started, press the  on the remote controller for at least 3 seconds, LED will on continuously, directions lights will flash, siren will chirp continuously, and the oil and electricity circuit will be cut off after 10 seconds, system will call the programmed emergency phone number automatically, after answering it, voice promotes you "Emergency help" for 5 times, and then enter into main operation menu

#### (ii) **By emergency button**

Under system disarmed status, press the emergency button above 2 seconds, system will call the programmed emergency phone number, after answering the call ,voice prompts" Emergency help" for 5 times ,and then enter into main operation menu, there is no sound and lightning alarming

### (5) No answering for the alarm call

If no answer to the call to the first controlling phone number, the system will dial the second one automatically, if still no answer, system will return to the first controlling phone number, and system will turn to calling these two numbers till some answer to the call

## 5. Auto function

- (i) Arm the system but the car door isn't closed, siren will chirps for three times, direction lights flash for three times, if the owner still don't close the door, 30 seconds later, siren sounds continuously, direction lights flash, the base unit dial programmed controlling phone number
- (ii) Disarm the system but the car door isn't closed, and car stops, 25 seconds later, system will return to the status before disarm the system, and the door will be locked.
- (iii) Close the door, but the owner doesn't arm the system within 10 seconds, system will sound "Di...Di...Di.", meanwhile direction lights flash
- (iv) If the user still doesn't arm the system after close the door for 1 minute, system will enter into mute armed status; the central lock won't lock the door
- (v) No matter how long the power has been cut off, the system will save the previous status with power
- (v) Pull the foot brake after car has been driving for 15 seconds, car door will lock automatically. When parking and stopping the engine, car door will unlock
- (vi) After disarming the system, open the door, if the alarm system had been triggered before, the siren would sound once
- (vii) Parking prompt

Park the car and open the door, the direction lights will flash 15 seconds



- (x) No GSM signal prompt

After cut off the power, if no GSM signal, voice prompts" No GSM signal in this area"

### 6. LED indicating

- (i) Release alarming status:

Vehicle un-started: Indicating GSM network signals

LED fast shining shows no GSM

LED slow shining shows GSM searched

Started: LED no shining

Urgent help: LED shining lastly

- (ii) Under alarming : LED shining for twice and stop for 5 seconds...

Within this 5 seconds, LED indicates GSM (described as 1)

- (iii) Triggered by vibration: LED shining for three times and stop for 5 seconds...

Within this 5 seconds, LED indicates GSM (described as 1)

- (iv) Triggered by switch: LED shining for two seconds and stop for 5 seconds...

Within this 5 seconds, LED indicates GSM (described as 1)

- (v) Triggered to release alarming: LED will be shining for 3 seconds...

### 7. Earphone

- (i) Talking

If there is telephone call, once hear ring, press the "on-off switch" in earphone and start talking

- (ii) Switch between earphone and handset:

When talking, press the "switch" in earphone and "call" button on keyboard can switch earphone mode to handset mode

### (iii) Call ends

When talking, press the "on-off switch" in earphone for 2 seconds or more to end the call

## 8. Existing or factory-installed Remote controller function

- (i) When the car stops ,lock the car door can activate the base unit to arm the system ,unlock the door activate the base unit to disarm the system .
- (ii) If the car after factory have function of car finder ,trunk release ,mute or sound alarming, then our system can support these function ,if without ,system won't support these function
- (iii) If the car itself has function of car finder, trunk release, mute or sound alarming, our system won't affect these function

## 9. MGPS Moveable Network Position

- (i) This system supports MGPS mobile network location, before using this function please check up with local Mobile Telecom Co. for whether this service has been operated. If so and vehicle owner needs this service, SIM in this system should be firstly involved with this service, then vehicle with this system can be posited when traveling, then any stolen or robbed vehicles can be found.
- (ii) User who installed with this system please contact with local dealers and learn methods in detail.

## 10. GSM Car mobile phone

- (i) Our system have GSM car mobile phone, the use method is the same as normal mobile phone.
- (ii) Our car mobile phone is consist of antennal, loudspeaker and wireless, hand-free, built-out microphone
- (iii) The car phone function is valid when system is alarming

### Notices

1. Our products are available for all cars installed with central lock ,whose engine uses gas or diesel oil ,negative of 12V battery connects with iron
2. Suggest using the rechargeable GSM-SIM card with national mobile functions.
3. Check the remained money of the SIM card in time
4. Keep vehicles under the signal of GSM.
5. Secret the password of the main unit. Change the password once it reveals.
6. Under the system is armed status ,owner can not be opened the door and start the engine with key ,if owner do these action ,system will alarm; after arm system by phone ,system can only be disarmed by phone
7. It is dangerous to stop the vehicle when it is running fast, system will ask user to confirm .Suggestion notifying the driver before using this function ,first the user can warn the driver and give him some time to respond, if no danger ,then confirm to stop the car running.

### Index parameter

#### (1) Main unit

Working voltage: 12V

Static current: 40mA-60mA

Working frequency when arming and disarming: 400MHz-433MHz

Cover scope: same as GSM

Alarming time: alarm until disarm or answer the phone which receive signals.

Sound or mute alarming depends on the design of the car after factory

#### (2) Output voltage for controlling

Stop engine voltage: 0V

Control oil voltage: 0V

Control loudspeaker voltage: 12V

### (3) Input voltage

Door Check voltage: 0V  
Key Check voltage: 12V  
Break Check voltage: 12V

### (4) Remote controller

Working voltage: 12V (A27 12V dry battery)  
Working frequency: 400MHz-433MHz  
Distance for controlling: 20-100 meter  
Static current: 0mA

### (5) Working temperature

Main unit: Storage temperature: -30~+85°C  
Working temperature: -20~+75°C  
Working humidity: 25%~95%  
Accessories: Storage Temperature: -40~+100°C  
Working temperature: -20~+85°C  
Working humidity: 25%~95%

### (6) Dimension of main unit: 120mm x 83mm x 30mm

## Installation notices

- (1) **First, make sure that** the standby battery is off. Use tools to take out the SIM card slot, insert the SIM card into it according to the shape of the card slot, and then put it into base unit

The device is electronic compressor lock after factory , Please contact with the factory if need the gas compressor.

- (2) **Connect with power**

First, connect with the 12V main power source.  
Observe that LED indicates net signals or not  
Open the back-up battery.

### (3) Function check

Lock & unlock by remote operation.

Set alarming number.

Test of the alarming number: OK

## Common problems & solutions

### Problem 1: Short distance of the remote controller

Solution:

- (1) Inspect if the remote controller doesn't have enough power.
- (2) Inspect if some barriers like solar membrane obstruct transmission of the signals.
- (3) Inspect if there are any interruptions of other similar frequency signals.

### Problem 2: Now power when call the system

Solution:

- (1) Check whether net signals are OK.
- (2) Check whether SIM Card touches properly.
- (3) Check whether cut off the power source and the back-up battery when inserting the SIM card
- (4) Open the ACC, meanwhile press the emergency button for 5 times, direction lights flash 3 times, the system will reset again

### Problem 3: Call the alarming number when there is no alarm

Solution:

- (1) Check if the shake sensitivity is over sensitive.
- (2) Check if the door lock /unlock switch is OK
- (3) Check if the battery have enough power or touch well.

### Problem 4: The central lock can't lock automatically when driving

Solution:

- (1) Whether the door is completely closed.
- (2) Whether the wire connection between feet brakes & the contact is OK.
- (3) Whether existing or factory-installed central lock connection is OK
- (4) Whether the car battery has enough power or the electrode touches well.

**Problem 5: Under protection cancelled status but vehicle can't working.**

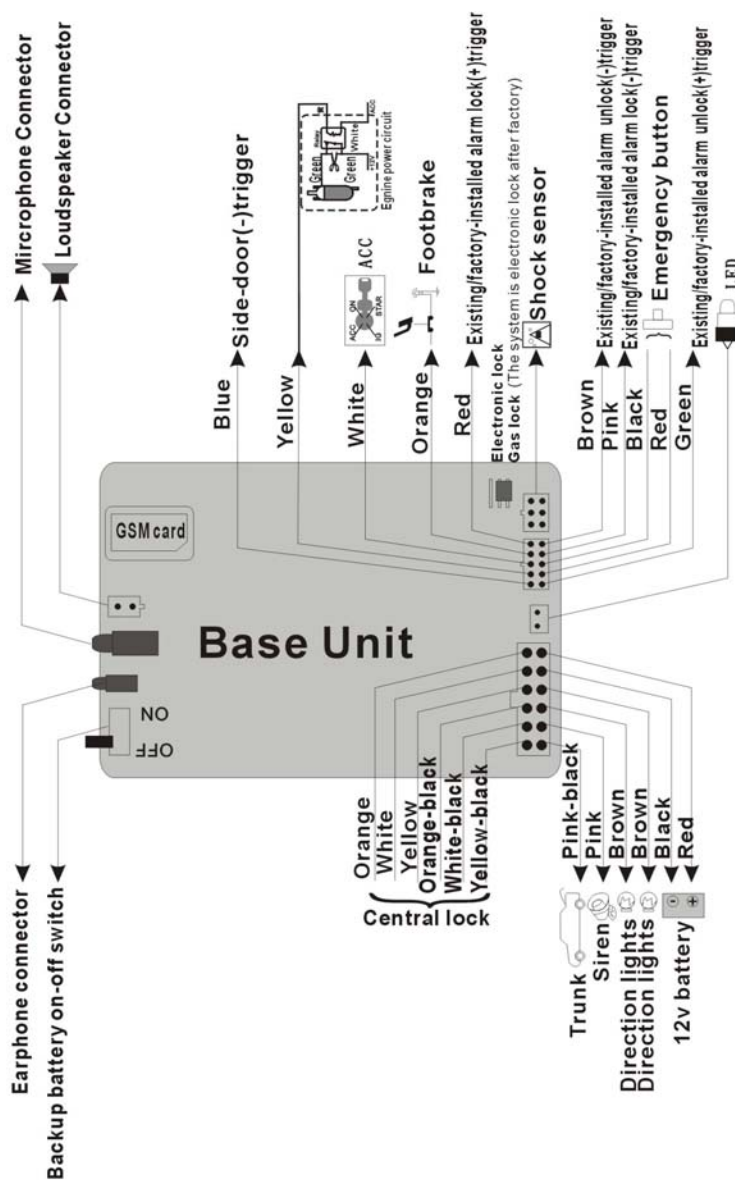
Solution:

- (1) Check if car battery has enough power
- (2) Check if the wire connection of the engine is OK

Our company reserves the rights to amend product performance index & function without notice in advance.

**INSTALLATION WIRING DIAGRAM**

**1. WT-215 Wiring Diagram for Main Unit**

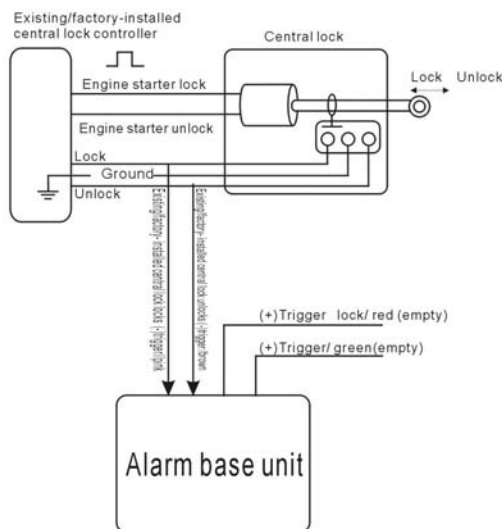


**Attention:**

- (1) After Installation, insert the SIM card into the main unit and then turn on the back up battery switch, if you want to change another SIM card, make sure first cut off the power and turn off the back up battery switch
- (2) Make sure pull out the fuse inside the power, after installation then insert the fuse, of it is easy to occur short circuit during installation

**2. Compatibility Wiring Diagram**

**(-)Trigger connection**



**(+)Trigger connection**

