

TWO-WAY LCD
VEHICLE SECURITY SYSTEM
OPERATION & INSTALLATION INSTRUCTIONS

TECHNICAL SPECIFICATION

1. Main Control Module

Working Voltage : 9V-15VDC

Stand by Current Consumption: ≤ 20 mA

Active Current Consumption: 500 mA - 2A

Working Temperature Range: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Frequency Range: $433.92\text{MHz} \pm 75\text{KHz}$

TX Range: 600-800m

Working Mode: ASK

2. 2-Way LCD Remote Control

Working Voltage Range: 1.0V-1.7VDC

Frequency Range: $433.92\text{MHz} \pm 75\text{KHz}$

Working Mode: ASK

TX Range: 300-500m (in open area)

QUICK REFERENCE ON USE OF REMOTE CONTROL

1. / Button

- 1.1 **Alarm disarmed:** Press button / once, the central door lock will lock, the ignition and the trunk will arm in 3 seconds, and the doors will arm automatically after the dome light is turned off, the sensor will be activated in 25 seconds to ensure the lifting operation of the power window is completed.
- 1.2 **While driving:** Press button / once, the doors will lock/unlock.
- 1.3 **Alarm triggered:** Press button / once, the system will disarm.
- 1.4 **Alarm armed:** Press button / once, the system will disarm.

2. Button

- 2.1 **Alarm disarmed:** Press button  once, the system will enter silent armed mode in 3 seconds and the doors will lock.
- 2.2 **Alarm armed:** Press button  once to locate the vehicle.
- 2.3 **While driving:** Press button  twice, the system will enter anti-hijack mode.
- 2.4 **Alarm sounding:** Press button  once, the siren will stop sounding instantly.

3. / Button

- 3.1 **Alarm disarmed:** Press button / once, the trunk will open.
- 3.2 **Alarm armed:** Press button / &  once, the sensor and the driver paging function will be turned off temporarily. (For system without remote engine start press / button twice to turn off the sensor and the driver paging function.)
- 3.3 **Alarm sounding:** Press button / once, the siren will stop sounding instantly.
- 3.4 **Alarm armed:** Press button / twice, the engine will start. (For system with remote engine start)

QUICK REFERENCE ON USE OF REMOTE CONTROL

4. ☀ Button

- 4.1 Press & release button ☀, the LED of the Remote Control will illuminate for 1 second (Press button ☀ once when the alarm is triggered, the LED will illuminate for 4 seconds.)
- 4.2 While the alarm is disarmed, open a vehicle door, turn the ignition to “ON” position, press & hold button ☀ for 3 seconds, the AUTO function will be turned ON/OFF.
- 4.3 While the alarm is armed or disarmed, press button ☀ & 🔔 once, the vibrator in the Remote Control will be turned ON/OFF. (Only Remote Control with vibrator has this function.)

NOTE:

The duration of each press of a button should be over 0.5 second. If a second press of a button is needed, it is recommended to press the button after the icon 📶 disappeared from the LCD screen due to two-way communication.

BRIEF LOOK AT EACH DEVICE

1. Main Control Module (for vehicle of negative polarity ground 12V constant power)

It is a main part of the Vehicle Security System and it is usually installed in a hidden location under the bottom of the dashboard in the vehicle. Use the wiring diagram as a reference, connect the module wires to the vehicle's ignition, turn signal lights, constant power, etc respectively. Make sure to connect each wire firmly and protect the connected part of the wire properly with quality electrical tape to make it perfectly insulated. After the connection of each wire, insert the plugs into the module connectors. Test the system with the remote control to see whether each button functions correctly.

After you confirm nothing is wrong, bundle the wires orderly and put the existing vehicle wiring harnesses back to the original locations.

2. Communication Module (with Paging Sensor inside)

It transmits and receives RF signal with the Remote Control. It is a key component of the system so the selection of the mounting location is very important. Normally it is mounted to the top or bottom right corner of the windshield. It shall not be close to the silver-gilt film on the windshield or the transmission and receiving of the module will be affected. The distance between the module and the metal frame of the vehicle's body shall not be less than 5 cm.

3. Shock Sensor (Optional)

It is an intelligent dual stage shock sensor that can distinguish whether the vehicle is impacted lightly or heavily. When an impact is applied to the body of the vehicle, it sends signal to the Main Control Module to set off siren alarm sound and to make Remote Control emit audio and visual warning signals. The Shock Sensor should be firmly mounted on the frame of the vehicle's body so that it can respond to the external impact as correctly as possible. After installation, adjust the sensitivity to the desired level according to the actual need and the size of the vehicle. (The sensitivity has been set to an optimum level in the factory. Please do not adjust it again if it is not necessary.)

BRIEF LOOK AT EACH DEVICE

4.Siren

If installed, alarm sound of higher than 110 dB is set off from the siren when the vehicle is attacked. It should be mounted in a place to protect it from heat and water damage.

5.Remote Control

The Remote Control mainly consists of ASK electronic circuits, LCD screen, melody buzzer and a vibrator (vibrator is optional). Each graphic icon displayed on the LCD screen and each different melody/beep sound tone emitted from the Remote Control gives you both visual & audio information on the vehicle's status, every operation status/process of the System or System's present status.

POINTS TO BE NOTED FOR YOUR BETTER USE

1. About Two-Way Transmission

As the system is of two-way signal transmission, sometimes the time required for communication takes longer than usual when communicating remotely either to operate the system or to check the operation result since a large amount of information is to be exchanged between the TX part and RX part of the system with one press of button.

The unique transmission logic that has both wake-up mode and sleep mode during communication may also result in such delay of signal transmission. For instance, if a signal from TX part is sent to RX part of the Main Control Module while it is in sleep mode, the RX part may not recognize the signal sent by TX part for a few seconds until when the RX part of the Main Control Module gets in wake-up mode and visa versa. Due to the same reason, when you shut down any of the system's operation and if there are no response with your first press of a button, we recommend you to press the button again after waiting 3 seconds.

Press button  once while the alarm is armed, the Remote Control will beep 3 times and indicate the system is within communication range. If the system is interfered by strong radio frequency around, sources of high voltage electric power or such obstacles like tall buildings and so on, the transmission range may get shorter as the system uses low output powered frequency.

2. Battery Replacement

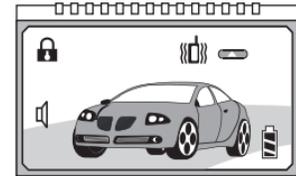
The Remote Control is powered by a 1.5V type alkaline battery. When the battery is new, the icon  will display on the LCD screen. When the power of the battery is exhausted, the icon  on the LCD will flash and a new battery should be replaced. If the time duration for replacement of the battery is within 10 seconds, the icons on the LCD screen of the Remote Control will remain unchanged.

3. As the TX power of the Communication Module is pretty strong, so the distance between it and the Remote Control shall be over 2.5m when operating the Remote Control.

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1. Arm The Vehicle & Door Lock

Exit the vehicle and close all of the doors. Press button / , the siren will chirp once, the turn signal lights will flash once, the doors will lock, the power window output will be activated, the Remote Control will emit a short chirp, the ignition and the trunk will arm in 3 seconds, the doors will arm automatically after the dome light is turned off, the sensor will be activated in 25 seconds and the LED status indicator will begin flashing slowly. The LCD screen on the Remote Control displays as picture (1).

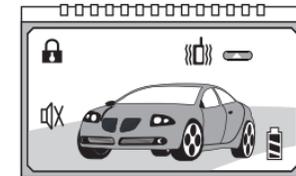


Picture (1): Arming with sound and light

IMPORTANT! Please close all the windows completely before arming the vehicle or make sure there is not any obstacle that will affect the lifting operation of the windows. Otherwise the power window will not work properly or be damaged.

2. Silent Arming

It is to mute a short siren alarm sound from the vehicle when you operate any functions by pressing button of Remote Control. You'd better turn off the chirp sound not to disturb your neighbors, for instance, if you operate the system late at night in a residential area. Press button  once while the alarm is disarmed, the alarm will enter silent arming mode. The LCD screen on the Remote Control displays as picture (2).

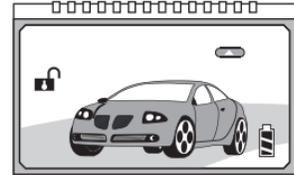


Picture (2): Silent arming

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3. Disarm The Vehicle & Door Unlock

- A. Press button  while the alarm is armed with sound and light, the siren will emit 2 chirps, the turn signal lights will flash twice, the central door lock will unlock, the LED will stop flashing, the system will disarm and the Remote Control will beep twice. The LCD screen on the Remote Control displays as picture (3).
- B. Press button  while the alarm is in silent armed mode, the turn signal lights will flash twice, the central door lock will unlock, the LED will stop flashing, the system will disarm and the Remote Control will beep twice. The LCD screen on the Remote Control displays as picture (3).
- C. If you do not open any vehicle door after disarming the system within 25 seconds, the system will rearm automatically, the doors will lock and the Remote Control will beep once.
- D. The alarm has an intrusion memory. If the alarm is triggered while it is armed, the siren will emit 4 short chirps and the turn signal lights will flash 4 times upon disarming the alarm.



Picture (3): Alarm disarmed

4. Remote Trunk Release

Press button  while the alarm is disarmed or the ignition is ON, the trunk shall be opened but there is no indication on the LCD screen.

5. Vehicle Finding

Press button  while the alarm is armed with sound and light, the siren will emit 3 short chirps and the turn signal lights will flash 3 times for locating the vehicle.

Press button  while the alarm is in silent armed mode, only the turn signal lights will flash 3 times for locating the vehicle.

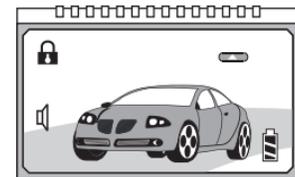
FEATURES ILLUSTRATION

6. System's Status Check

By pressing button , you can check whether your Remote Control is within the range of transmission or not. If within the range, the Remote Control will beep 3 times. If you are out of range, the Remote Control will not emit any sound.

7. Remote Sensor Bypass

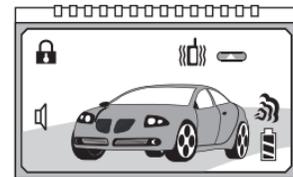
Remote sensor bypass is designed for situation in which it is not convenient for the sensor to be active due to environmental conditions that may cause annoying false alarms (i.e.: the vehicle is parked at the airport or in thunderstorm day). In such occasions you may turn off the sensor temporarily. While the alarm is armed, for system with remote engine start, press button   &  once (for system without remote engine start, press button   twice), the turn signal lights will flash once, the Remote Control will beep once, the sensor of the alarm system and the driver paging function are temporarily turned off. After pressing button   to disarm the alarm, the system will return to the shock-sensing mode again the next time when you arm the alarm. The LCD screen on the Remote Control displays as picture (4).



Picture (4): Shock sensor temporarily turned off

8. Remote Engine Start (Optional)

- A. While the alarm is armed, press button   twice, the siren will chirp once, the turn signal lights will flash once, the Remote Control will beep 3 times and the engine will start. After the engine is started the Remote Control will beep 3 times again, the turn signal lights will flash once every two seconds. The LCD screen on the Remote Control displays as picture (5).
- B. Once the vehicle has started, it will run for the pre-programmed period



Picture (5): Remote engine start

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of time (either 8, 16, 24 or 60 minutes) then shut down and the system will enter armed state again. While the remote started engine is running, you may press button  to shut it down, the Remote Control will beep twice and the system will enter armed state again.

C. If the hand brake is released while trying to start the engine with Remote Control, the siren will emit 3 short chirps and the engine will not start.

D. If you want to drive the vehicle while the remote started engine is running, press button  to disarm the alarm and unlock the doors, turn the ignition key to ON position within 30 seconds or the engine will shut down.

NOTE:

1. If you start your car with the remote, the vehicle will try to start the engine 3 times. If it is failed to start please check the wire connection of the remote engine start circuit.
2. After the engine is started successfully then it cranks again, please check whether the purple detecting wire from the main control module is correctly connected to the correct alternator wire or the engine oil pressure indicator wire. (These two wires are with negative polarity before engine start and with +12V after engine started.)

WARNING: Please be sure that you use the remote engine start function only while the gear selector is in neutral position and the hand brake is ON.

E. Remote start crank time: 0.7, 0.9, 1.1, 1.3, 1.5, 1.7, 1.9, 2.1, 2.3, 2.5 sec.

There are 10 options of crank time. Connect power to the unit then it will enter the default setting 0.7 second. In default setting the engine will crank 3 times in total. The first time 0.7 second, the second time 0.9 second and the third time 1.1 seconds.

Crank time programming

While the alarm system is disarmed, turn the ignition ON then stay ON, then press & hold the Override/

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Valet Switch for 5 seconds, the siren will chirp once to indicate the system is now in programming mode.

While the system is in programming mode:

- a. Press the Override/Valet Switch once, the siren will chirp twice and indicate the 0.9-second crank time is selected. In this setting the engine will crank 3 times in total. The first time 0.9 second, the second time 1.1 seconds and the third time 1.3 seconds.
- b. Press the Override/Valet Switch once again, the siren will chirp 3 times and indicate the 1.1-second crank time is selected. In this setting the engine will crank 3 times in total. The first time 1.1 seconds, the second time 1.3 seconds and the third time 1.5 seconds.
- c. Follow the above method till the 2.5-second crank time is selected, the siren will chirp 10 times. In this setting the engine will crank 3 times in total. The first time 2.5 seconds, the second time 2.7 seconds and the third time 2.9 seconds.

After the 2.5-second crank time is selected, if you press the Override/Valet Switch again, the siren will chirp once and return the crank time setting to 0.7 second. (After programming is complete, turn the ignition OFF to exit the programming mode.)

Note: Every time when the power supply of the unit is disconnected then connected again, it will return the crank time to the default setting 0.7 second.

9. Short run/turbo

Short run turbo mode keeps the engine running for a programmable period of 1, 2, 3, 4, 5, 6, 7 or 8 minutes after you turn off the ignition key and lock the doors. This will protect the engine of the vehicles equipped with Turbo engine. (Only system with remote engine start has this function.)

In default setting, the system will keep the engine running for 2 minutes after turning off the ignition key. If the brake pedal is pressed within 2 minutes then the engine will shut down instantly. If the brake pedal is being pressed when turning off the ignition key, the engine will shut down instantly. This will be helpful when parking a manual-transmission vehicle on a slope.

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10. System features programming

To enter the system features programming mode:

While the system is disarmed, press & hold the brake pedal, press & hold the Override/Valet Switch for 3 seconds, the siren will chirp once to indicate the system has entered programming mode.

A. Engine running time selection: 8, 16, 24, 60 minutes

While the system is in programming mode, press button / once, the siren will chirp twice to indicate the 16-minute engine running time is selected. Press button / once again, the siren will chirp 3 times to indicate the 24-minute engine running time is selected. Press button / once again, the siren will chirp 4 times to indicate the 60-minute engine running time is selected. Press button / once again, the siren will chirp once to indicate the 8-minute engine running time is selected. The default setting is 8 minutes. Every time when the power supply of the unit is disconnected then connected again, it will return the engine running time to the default setting 8 minutes. (Only system with remote engine start has this function.)

B. Short run/turbo ON/OFF

While the system is in programming mode, press button  once, the siren will chirp once to indicate the short run turbo mode is ON. Press button  once again, the siren will chirp twice to indicate the short run turbo mode is OFF. The default setting is short run turbo mode OFF. Every time when the power supply of the unit is disconnected then connected again, it will return the short run turbo mode to the default setting. (Only system with remote engine start has this function.)

C. Short run/turbo time selection: 1, 2, 3, 4, 5, 6, 7, 8 minutes

While the system is in programming mode, press button / once, the siren will chirp once to indicate the 1-minute short run turbo time is selected. Press button / once again, the siren will chirp twice to indicate the 2-minute short run turbo time is selected. Press button / once again, the siren will chirp 3 times to indicate the 3-minute short run turbo time is selected. Follow the above method till the 8-minute short run turbo time is selected. The default setting is 2 minutes. Every time when the power supply of the

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unit is disconnected then connected again, it will return the engine running time to the default setting 8 minutes. (Only system with remote engine start has this function.)

After programming is complete, remove your foot from the brake pedal to exit programming mode.

11. Remote Control Learning Process

A. The system is designed to memorize codes of 2 two-way LCD Remote Controls and 4 one-way Remote Controls. The sequence should be to learn the two-way Remote Control first then learn the one-way Remote Control.

B. To Erase Remote Controls From Memory

Please erase the codes memorized in the Main Control Module each time before learning new Remote Control. The process is as following:

While the alarm is disarmed, turn the ignition key to "NO" & "OFF" position 3 times then stay "ON", the siren will emit a short chirp, then press & hold the Override/Valet Switch for 5 seconds, the siren will emit a short chirp again, the LED status indicator will light solid, the system is now in learning mode. Then press the Override/Valet Switch 6 times (for a duration of 0.5-1 second each time), the siren will emit a short chirp, the LED will flash 5 times then turn off and indicate the codes memorized have been erased.

C. New Remote Control Learning (Learning All Remote Controls Again)

Follow the above operation to let the system enter learning mode. While the system is in learning mode, press button  /  once, the siren will emit a short chirp and the LED will turn off indicating the learning of the number one Remote Control is completed. Repeat the above operation to learn more Remote Controls.

Note:

Please be noted that there should not be strong radio frequency around and the distance between the Communication Module and the Remote Control shall be over 2.5m during the learning process or the learning will be affected or fail.

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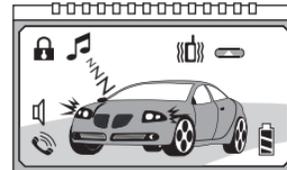
IMPORTANT!

In case a Remote Control is lost you may go to the dealer near your location to buy a new one then memorize the codes of the Remote Control into the system. For security of your vehicle please erase the code of the lost Remote Control from memory then learn all the Remote Controls again and this will prevent the illegal user who obtained the lost Remote Control from using it to operate the alarm system.

12. Driver Paging

While the alarm is armed, you may page the driver by tapping the Communication Module mounted on the vehicle 3 times within 5 seconds, the turn signal lights will flash for 15 seconds, the paging melody sound will sound 6 times (and the vibrator will vibrate 5 times Note: Only Remote Control with vibrator has this function.) after the Remote Control receives the signals. The LCD screen on the Remote Control displays as picture (6).

To disable this function, while the alarm is armed, for system with remote engine start, press button /  &  once (for system without remote engine start, press button /  twice), the turn signal lights will flash once, the Remote Control will beep once to confirm the Remote Control will not receive the driver paging signals temporarily. (Note: The shock sensor is also turned off at the same time.) This function will be enabled after disarming the alarm by pressing /  button.



Picture (6): Driver paging

13. Hands-Free Operation (AUTO Function)

This system features hands-free operation.

While the system is in AUTO mode, as you walk toward your vehicle, the alarm system will automatically disarm and unlock the doors as you get within approximately 3 to 20 meters of the vehicle. 10 seconds after you turn off the ignition and close all the doors and leave the vehicle, the system will arm automatically and the doors will lock. If you do not leave the vehicle within 10 seconds after closing the doors then the system will not arm and the doors will not lock.

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To enable this function: Open the vehicle door while the alarm is disarmed, turn the ignition to "ON" position, press and hold button  on the Remote Control for 3 seconds with a distance to the vehicle for 2 to 3 meters, the siren will emit a short chirp, the Remote Control will beep once, the icon  will display on the LCD screen and the system is now in AUTO mode

To disable this function: Open the vehicle door, turn the ignition to "ON" position, press and hold button  on the Remote Control for 3 seconds, the siren will emit 2 short chirps, the Remote Control will beep twice, the icon **AUTO** will disappear from the LCD screen.

Note: Every time after battery replacement, the AUTO function should be reset. The power consumption of AUTO function is pretty high so it is recommended not to use this function frequently..

AUTO function temporarily OFF

While the system is in AUTO mode, anytime when arming the system by pressing button / or , the Remote Control will beep once to indicate the AUTO mode is temporarily turned off. When disarming the system by pressing button /, the Remote Control will beep twice to indicate the AUTO mode function is turned on.

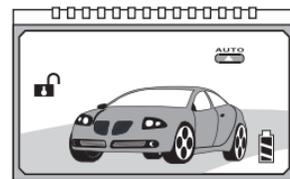
14. Automatic Door Lock/Unlock

Central door lock will automatically lock while stepping on brake pedal 15 seconds after turning ignition key to "ON" position and doors closed. Central lock will automatically unlock when the ignition key is removed. You can also lock/unlock the doors by pressing button / on the Remote Control while driving.

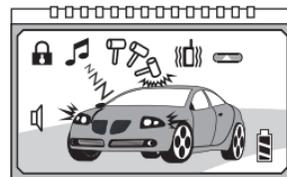
15. Alarm by Shock Sensing

The dual-stage shock-sensing feature may reduce the "false" alarm as few as possible.

When any light impact is applied to the vehicle, the siren will emit 12 short chirps, the turn signal lights



Picture (7): AUTO function ON



Picture (8): Shock sensing alert

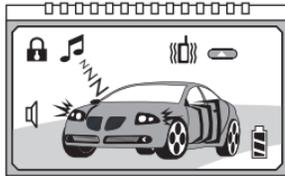
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will flash 6 times and the LED will light solid to warn away potential intruders. The Remote Control will sound for 15 seconds and vibrate 5 times (Only Remote Control with vibrator has this function.). The LCD screen displays as picture (8).

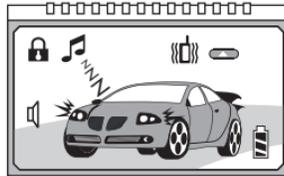
If any light impact is applied to the vehicle again within 15 seconds or the vehicle is impacted heavily for the first time, the siren will sound and the turn signal lights will flash for 25 seconds, the starter interrupt will engage, the LED will light solid, the Remote Control will sound for 15 seconds and vibrate 5 times (Only Remote Control with vibrator has this function.). (The siren will not sound while the alarm is in silent armed mode.)

16. Doors/Trunk/Brake Pedal/Ignition Zone Protection

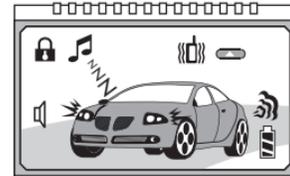
If any of the protected zones is triggered while the alarm is armed, the siren will sound and the turn signal lights will flash for 25 seconds, the Remote Control will sound for 15 seconds and vibrate 5 times (Only Remote Control with vibrator has this function.). If the trigger is not removed after 25 seconds, the alarm cycle will repeat until the trigger is removed. The LCD screen will display as pictures (9) (11).



Picture (9): Door opened



Picture (10): Trunk/Hood triggered



Picture (11): Brake pedal/Ignition triggered

17. Closing Door Reminder

In the event that you arm the alarm with Remote Control while any of the doors are not closed completely, then after 20 seconds, the siren will sound, the turn signal lights will flash and the Remote Control will also sound until the door is closed.

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18. Vibration Mode Of The Remote Control (Optional)

It is difficult to hear the beep sound of the Remote Control after the alarm is triggered while you are in a noisy place. In this occasion the vibration mode is helpful. And you may disable this function if you think it is not necessary or for power saving purpose.

Press button  &  once while the alarm is armed or disarmed, the Remote Control will beep twice, and the vibrator in the Remote Control will be temporarily turned off. Repeat the above operation to return to the vibration mode again, the Remote Control will beep once. (Note: Only Remote Control with vibrator has this function.)

19. Anti-Hijack

If you feel threatened while driving, you may press button  twice within the transmission range, the turn signal lights will flash once. After 30 seconds, the siren will sound and the turn signal lights will flash continuously, the Remote Control will also beep continuously and the vibrator will vibrate 5 times (Remote Control with vibrator), the LCD screen displays as picture (11). Whether the engine will be disabled or enabled will depend on the programmable options selected. (Refer to Jumper Table, the factory setting is engine enabled). To exit anti-hijack mode only by pressing button / .

20. Power Interrupted Memory

Whether the alarm system is armed or not before the vehicle battery is disconnected, the system will remain in the same state after the battery is reconnected, this will increase the security of your vehicle.

21. Override/Valet Switch

A. Emergency Override

In the case that the alarm's Remote Control is lost or its batteries become exhausted, you can perform an emergency override to disarm the alarm. Open the door with the key (the siren will sound), turn the ignition to "ON" position within 10 seconds, then press the Override/Valet Switch twice, the system will disarm and you can drive the vehicle as usual. But please be noted that the alarm system will not provide security service with your vehicle before the system is resumed to use.

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IMPORTANT!

The Override/Valet Switch should be installed in a hidden location where it is convenient to operate.

B. Valet Mode

This is for situation in which it is not convenient for the alarm to be armed, such as car wash. In the valet mode all of the alarm's security features have been turned "OFF" and only the convenience features such as keyless entry can be operated.

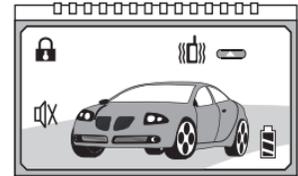
While the alarm is disarmed or the vehicle's ignition is OFF, press the Override/Valet Switch 5 times with all doors closed, the siren will chirp once to confirm the alarm is in valet mode. Repeat the above operation to exit valet mode, the siren will chirp twice.

22. Door Open Alert (Selectable)

If the user or the passenger opens the door while driving, the turn signal lights will flash to warn the others driving behind. This feature can be disabled. While the alarm is disarmed, open the vehicle door, then press the Override/Valet Switch 5 times, the siren will chirp twice, and this feature will be disabled after closing the door. Repeat the above operation to enable this feature, the siren will chirp once.

23. Auto Arming (Selectable)

Turn off the ignition and exit the vehicle, after one minute the alarm will arm automatically and enter the silent armed mode, the siren will chirp once to confirm but the central door lock will not lock. The LCD screen displays as picture (12). Please refer to the Jumper Table to disable or enable this function.



Picture (12): Auto arming

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24. Features Selectable By Jumper

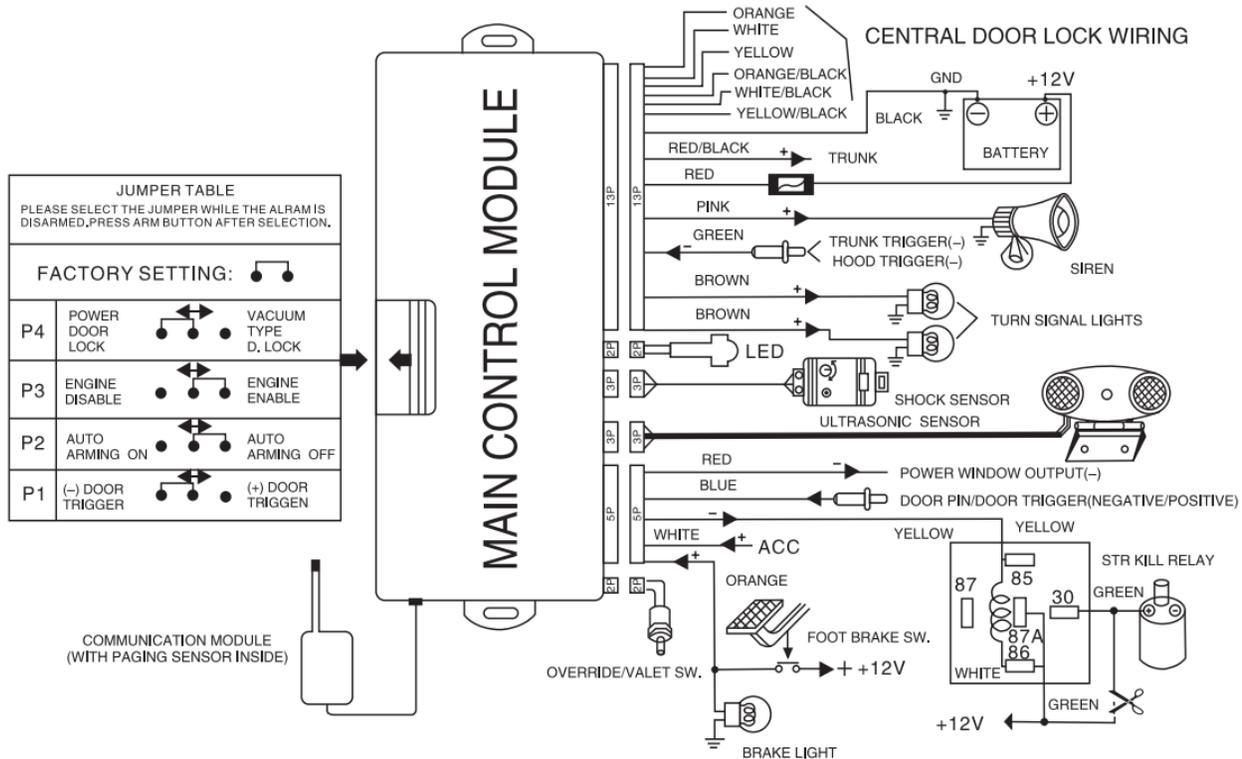
Jumper Table (Factory setting: )			
P4	Power Central Door Lock		Vacuum Pump Type Central Lock
P3	Engine Disable		Engine Enable (Anti-Hijack Mode)
P2	Auto Arming ON		Auto Arming OFF
P1	Door Trigger (-)		Door Trigger (+)

CENTRAL DOOR LOCK INSTALLATION INSTRUCTION

There are over 10 kinds of central door locks. Please follow the wiring diagrams to complete the installation of the central door lock systems.

1. Remove the door trim of the vehicle's door, find a mounting location for the Door Lock Actuator (Door Motor) near the manual door lock switch. Using the supplied spare parts for fixing, connect the door lock switch to the Door Lock Actuator. When the Door Lock Actuator is activated, it will drive the door lock switch to obtain the effect of central locking.
2. If there is no motive force in the door to drive the door locks, it is recommended to install a set of central door lock system.
3. If a vehicle has factory-equipped central door lock system, but only equipped with a switch in the driver's side front door to drive the other 3 doors to lock and unlock, for which a power door lock motor should be installed additionally inside the door trim of the driver's side door (see diagram 4).
4. If a vehicle has factory-equipped central door lock system, and there is a switch near the dashboard to control the lock/unlock of the 4 doors simultaneously, it is only need to find out whether it is positive or negative trigger type and use the wiring diagram as a reference to complete the installation (see diagram 2 and diagram 3).
5. For vehicles with vacuum type central door lock system same as Mercedes Benz, Audi, please refer to diagram 5.

WIRING DIAGRAM(FOR SYSTEM W/O ENGINE STARTER)



TIPS FOR TROUBLE SHOOTING

PROBLEM	SOLUTION
After installation of the main control module, the siren sounds continuously and cannot be stopped by remote control.	<ol style="list-style-type: none">1.Check whether the plug is inserted in opposite side.2.Check whether the wire connections are correct.3.Check whether the fuse is burnt.
While the armed vehicle is parked on the roadside, the alarm will sound every time when a big or heavy vehicle is passing.	<ol style="list-style-type: none">1.Check whether the sensitivity is too high.2.Reduce the sensitivity.
When the alarm system is triggered, the siren will not sound.	<ol style="list-style-type: none">1.Check whether the alarm is in silent armed state.2.Check whether there is a problem with the siren.3.Check the connection between the siren and the main control module.
10 seconds after arming the alarm, the siren will sound indefinitely. Disarm the alarm then arm it again, the same case will happen again.	<ol style="list-style-type: none">1.Check whether there is improper wiring connection, especially the connection of the dome light near the door at the side of the brake light.2.Any door or PIN SW. is not closed completely.

TIPS FOR TROUBLE SHOOTING

PROBLEM	SOLUTION
Remote Control does not work.	<ol style="list-style-type: none">1.Check whether the battery of the Remote Control is low.2.Check whether the Remote Control is soaked.3.Check whether the Remote Control is broken. <p>※ To find out whether the Remote Control used has the above problems, you may compare it with the other one.</p> <p>※ If the two Remote Controls do not work, please check the Main Control Module, the wiring connections but it is not necessary to open the case of the module.</p>
Remote central door lock system does not work properly or does not work.	<ol style="list-style-type: none">1.Check whether the actuators work properly.2.Check the wire connections, fuse. If the fuse is burnt this means there is problem with the installation. Please check the wire connections again.3.Please read carefully the central door lock installation instruction and the wiring diagram.