About Your System

Congratulations on your purchase of this state-of-the-art vehicle security system. With proper installation this system will provide superior protection and performance for many years to come.

What is included:

- A control module
- Tranceiver module
- One 5-button 2-way LCD remote transmitter
- One 4-button random code remote transmitter
- Dual stage shock sensor
- High output 6-tone siren (optional)
- Full set wire harness
- Pin switches

Options and Accessories:

This system includes several optional inputs and outputs allowing the creation of a completely personalized security and convenience system by offering many optional features such as:

- 2nd stage door unlock
- Channel programme time output
- 2pulse signal door unlock
- Engine turbo time mode
- Check range notification
- Arm/disarm chirp on/off

- Window close control
- Anti car-jack by ignition turn
- Power trunk/hatch release
- Glass breakage sensor
- Micro-wave detector
- Back-up battery siren

*Many require additional parts and/or labor, see store for details

NOTE:

Some of the features described in this manual may required additional parts and/or labor, and may not be included as part of the standard installation of this unit. Additionally, many features of this security system have selectable options that must be activated or programmed during the system's installation. These items will be identified in the following sections. Please discuss these features and any questions you may regarding the installation of this product with your authorized dealer.

Functions of remote transmitters

The remote transmitters integrated with the security system use the most perfect and reliable radio frequency transfer as opposed to all car security systems being sold at the moment. Some of modern skilled car hijackers use the devices known as code grabbers allowing to accept and keep a signal transferred by the remote control of the car security system. As soon as the driver is out the code is used by the hijacker to disarm the system. Unlike the remote controls described above the remote transmitters integrated with your security system change the code of the transferred signal each time when the button is pressed, therefore, when a hijacker reproduces the signal grabbed from your remote transmitter, the security system just will not react.
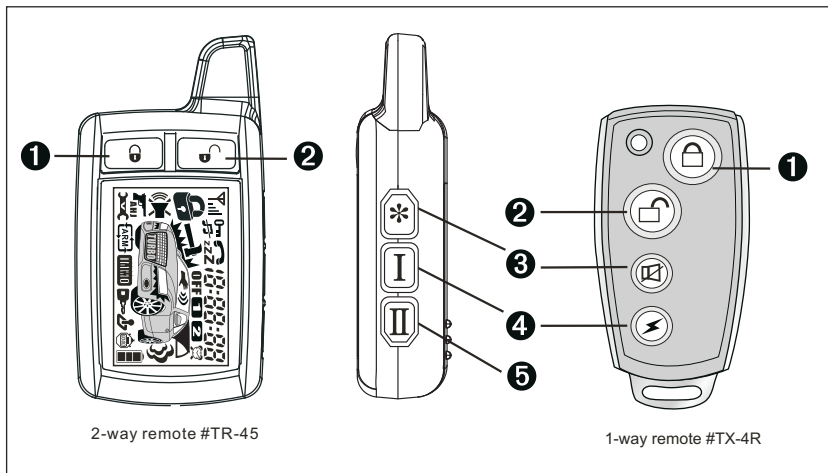

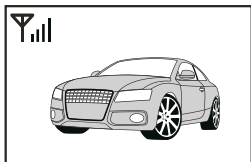2-way remote #TR-45

1-way remote #TX-4R

Fig.1

Functions of remotetransmitter buttons

❶ Button to arm the system (ARM)

❷ Button to disarm the system (DISARM)

❸ Button to control remote engine start

❹ Button to control Trunk open / CH-1 active
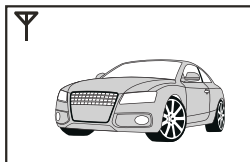
❺ Button to check car status , to turn on LCD back light
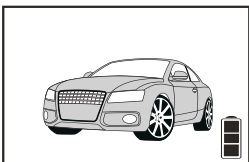
Standard LCD 2-way icon instructions
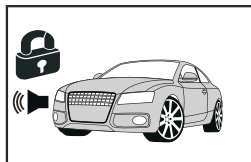
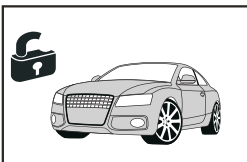Remote transmitting a signal.

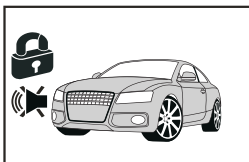Check-in range turn ON status.

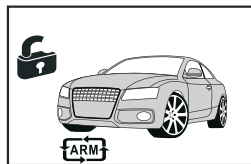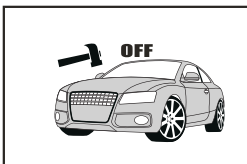2way battery level indication.

System Armed.
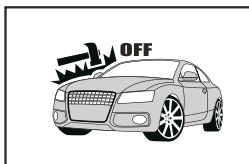
System Disarmed.

Silent Armed.

Passive arming &
Auto re-arming mode.

Zone1
1st-stage sensor bypass.

Zone1
2nd-stage sensor bypass.

Zone2
1st-stage sensor bypass.
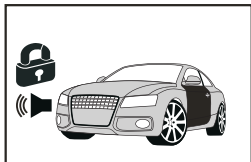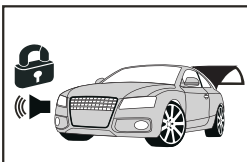
Zone2
2nd-stage sensor bypass.

Panic mode.
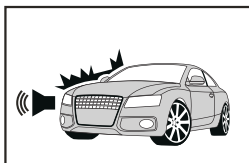
Door open when armed.

Trunk open when armed.

Hood open when armed.

Zone1
1st stage sensor triggered.
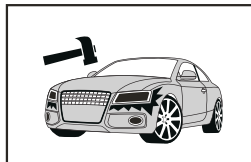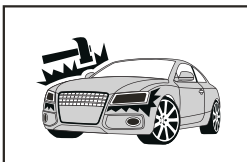
Zone1
2nd stage sensor triggered.

Zone2
1st stage sensor triggered.
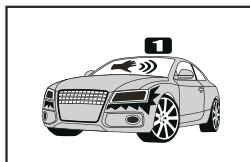
Zone2
1st stage sensor triggered.
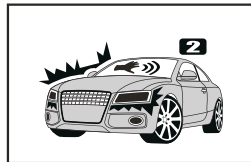
Door switch triggered.
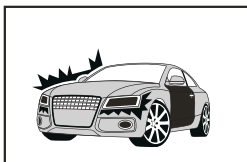
Trunk switch triggered.
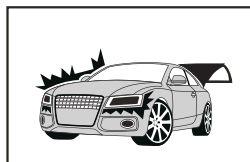
Hood switch triggered.
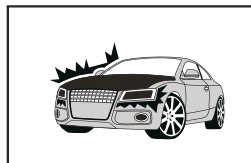
Ignition switch triggered.
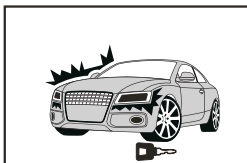
Immobilizer mode.

Anti car-jacking mode.
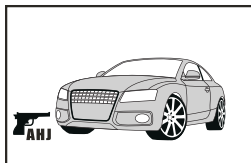
Valet mode.
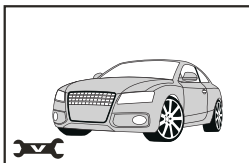
Safety mode/ Safe   status
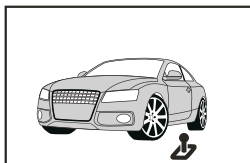
Remote engine running   mode.

Clock time engine   start mode.

20:00

Fix time engine   start mode.

20:30
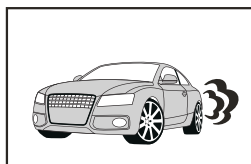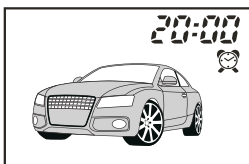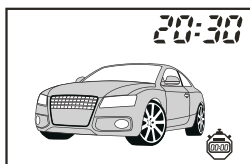
Temperature   engine start mode.

1 - 5 ℃
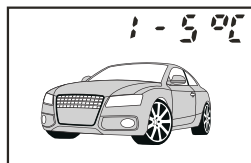
Turbo mode.

TURBO
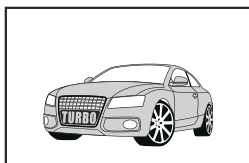
Call / page mode.

Battery conservemode.

zzZ

Remote button lock

0⌐n
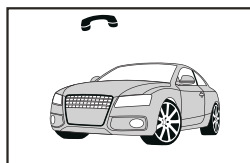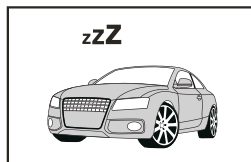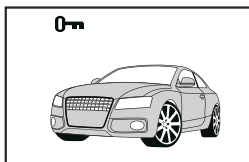
Vibrate mode.

♫
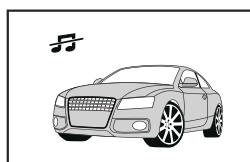
Remote Function Table:

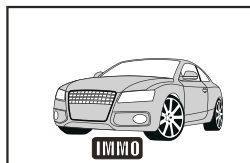| Functions	Step	Condition
Arm and door lock	Press (🔒) once	Disarmed & ACC off
Arm without siren chirp	Press (🔒) over 2sec. until 1 beep given.	Disarmed & ACC off
Zone1- 1st-stage bypass	Press (🔒) once within 5sec. of arming.	Arming within 5sec.
Zone1- 2nd-stage bypass	Press (🔒) twice within 5sec. of arming.	Arming within 5sec.
Car search mode	Press (🔒) once after 5sec. of arming.	Arming after 5sec.
Standby Anti-Hi-Jack mode	Press (🔒) over 2sec. Until 1 beep given.	ACC ON
Disarm and door unlock	Press (🔓) once	Armed
Disarm without siren chirp	Press (🔓) over 2sec. until 1 beep given.	Armed
Arm with engine run mode	Press (🔓) over 2sec. Until 1 beep given.	Engine running
Remote engine start	Press (✳) over 2sec. then press (✳) once.	Armed with safe status
Remote engine stop	Press (✳) over 2sec.	Engine running mode
Safety mode (manual-type car)	Press (✳) over 2sec.	Engine running
Zone2- 1st-stage bypass	Press (I) once within 5sec. of arming.	Arming within 5sec.
Zone2- 2nd-stage bypass	Press (I) twice within 5sec. of arming	Arming within 5sec.

Remote Function Table:

Functions	Step	Condition
Trunk open / CH-1 active	Press (I) over 2sec. until 1 beep given	
Prolong engine running time	Press (I) once, after LCD indicate 3min left.	Engine running mode
Enable check-in range	Press (II) once within 5sec. of arming.	Arming within 5sec.
Status check & Back light	Press (II) once	
Indoor temperature check	Press (II) over 2sec. Until 1 beep given.	
Silent armed	Press (🔒) + (🔓) over 2sec. Until 1 beep given.	ACC OFF
Valet mode	Press (🔒) + (🔓) over 2sec. until 1 beep given.	ACC ON
Panic mode	Press (🔒) + (✳) over 2sec. until 1 beep given.	ACC OFF
Anti-Hi-Jack mode	Press (🔒) + (✳) over 2sec. until 1 beep given.	ACC ON
FIX time engine start	Press (🔓) + (✳) once	Armed with safe status
Temperature engine start	Press (🔓) + (✳) over 2sec. until 1 beep given.	Armed with safe status
CH-2 active	Press (I) + (🔒) over 2sec. until 1 beep given.	
CH-3 active	Press (I) + (🔓) over 2sec. until 1 beep given.	
CH-4 active	Press (I) + (✳) over 2sec. until 1 beep given.	

Functions	Step	Condition
Remote button lock (on/off)	Press II + 🔒 over 2sec. until 1 beep given.	
Vibrate mode on/off	Press II + 🔓 over 2sec. until 1 beep given.	
Clock time adjust mode	Press II + ✳ over 2sec. until 1 beep given.	
Clock time engine start	Press II + ✳ over 4sec. until 2 beep given.	
Battery conserve mode	Press II + I over 2sec. until 1 beep given.	

Remote battery discharge/replacement

If the battery becomes exhausted, the remote will emit extra long beep, While press any button on the remote, few seconds later the ⬛ indicator will flashing for identify.

The battery discharge is displayed on the LCD screen as the icon with the status indicator . Also you can pay your attention that the effective distance for the transmitter is being reduced.

To replace the batteries of 2-way remote
- Bend the top part of the cover a bit, move it up and remove,
- Remove the discharged battery,
- Place the new battery (AAA) observing polarity,
- Carefully place the cover back.

To replace the batteries of 1-way remote
- Loose the screws on the back side of the transmitter housing and separate two halves of the transmitter housing,
- Remove the discharged battery,
- Place the new battery 12V 23A observing polarity,
- Carefully place the cover back (please do not damage the LED and switchers on the Circuit board);

tighten the screws on the back side of the transmitter housing.

Programming of codes for new transmitters

⚠ **Important**
Please notice that during the programming of a new transmitter into the system memory all previous programmed codes of the transmitters will be erased so in case of programming for additional transmitters the available transmitters shall be programmed again.
The system supports in memory up to four codes of remotes irrespective of the fact if the codes of four different remotes or the same code four times is recorded into the system.

Programming of new transmitters.

⚠ **Important**
Please notice that each following operation shall be done within 10 sec after the previous operation. If the 10 second period is over the system will automatically exit the programming mode and two long chirps will acknowledge the exit. If the ignition is turned off during programming the system will immediately exit the programming mode and two long chirps will acknowledge the exit.

1. Disarm the system .
2. Turn the ignition from on to off.
3. Within 10 sec after switching off the ignition press and hold the Valet button over 3 sec , the LED starts flashing , release the Valet button.
4. Press and hold the Valet button, you will hear the siren start chirping (from 1~3 chirp), while give 2 chirp sound, immediately release the Valet button.
5. The LED will start flashing to acknowledging that the system is ready for programming of new transmitters.
6. Press any button of the first transmitter, you will hear 1-short chirp acknowledging that the first transmitter has been programmed
   Press any button of the second transmitter, you will hear 2-short chirp acknowledging that the second transmitter has been programmed.
   Repeat the operation 3 for other transmitters.
7. To exit the transmitter programming mode, Turn on the ignition and you will hear two long siren chirps.

Programming 2-Way remote

Battery conserve mode

The mode can be turned on/off 2-way receiving in the Disarmed mode if you simultaneously press down the buttons $(II) + (I)$ until the zzz icon turn on. Being in the Disarmed mode the remote pager turns off its receiver in 30sec.

To exit the mode, simply press the buttons $(II) + (I)$ until zzzz icon turn off.

2-way LCD display :
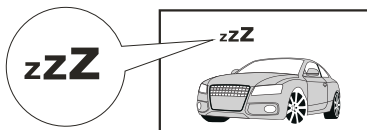
2way remote button lock ON/OFF

For safety purpose, this 2-way remote can be lockout the remote button in order not to mis-touched the buttons. Press button $(II) + (\text{lock})$ for over 2sec. until one beep is heard, remote button is now locked. To turn on remote button, press button $(II) + (\text{lock})$ for over 2sec. until two beeps is heard, remote button is now unlocked.

2-way LCD display :
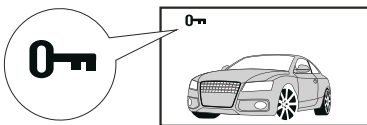
Vibrate mode on/off

Press button $(II) + (\text{lock})$ for over 2sec. the 2-way remote will respond tone & vibrate feature, the button $(II) + (\text{lock})$ pressing 2sec. will change the feature, see under table:

Beeps	Vibrations	2-way remote feature
1-beep	1-time	Remote with tone and vibration
———	1-time	Remote with vibration only
1-beep	———	Remote with tone only

Check-in range notification (on/off)

Arming the system within 2 seconds, press button (II) once on the 2way remote , the system will enable this Check- in range function.

The 2way remote will respond:

Y

This Icon will turn on and give 1 beep sound to indicate the function has been turned ON.

- With in 5 minutes, the 2-way remote will than give 1 beep sound every one minute for 5 cycles to remind the user within range.
- After 5 minutes, the 2-way remote will detect range every 10 minutes and without any beep sound, the icon Y will constant on if the user within range.

For friendly usage, the 2-way remote will provide 2 beeps/ 3cycles and flashing icon Y if the user is out of the receiving rage. However, afterwards if the 2-way remote detect the signal again from the system, the icon Y will be ON to indicate the 2-way remote is within range.

Note: If under Check-in range mode, if alarm triggered, this function will automatically turn off (disable).

Time adjust mode
Besides operating for alarm functions, LCD remote control additionally provides 24-hour real time clock.
Instructions:

1. Press and hold Button (II) + $(\ast)$ for 2sec. to enter time-setup mode, 1 beep will be heard.

2. Press button $(\ast)$ to select Hour & Min adjust setting. Icon flashing to indicate.

$$00\text{-}00$$

24-hour display ———— ———— Minutes display

3. Press button 🔓 to turn up the numbers. Press button 🔓 to turn down the numbers. The button may be held down to scroll faster.

4. Press button (I) to exit the setting mode. 2 beep will be heard.

Note: The remote will revert to normal operation from the set mode when 10-seconds has elapsed without a button entry.

Vehicle status checking

The 2-Way remote offer the feature to check the current status of the car, simply press the button Ⅱ once within proper operation range. The main unit will send the signals to the 2-Way remote about the vehicle current status.

Turn on LCD display back light

Simply press button Ⅱ once, the back light of LCD display will turn on 5 seconds and also check the vehicle status.

2-way signal paging features

A page is the signal the control module sends to the remote controls confirmation of receipt of a command or alarm system status. When the remote control receives a page it will generate a page notification to the user (notifications are audible beeps) and the LCD Icons will display the current system status.

Command Page

When a command (arm/disarm, remote start , or auxiliary channel) from the remote control is sent and received, the system will send a command page back to confirm receipt. **Note:** When the system is in Valet mode, the remote control will show the lock icon and unlock icon, but will not generate a command page.

Page Recognition (Acknowledgement)

To clear a page alert/notification, quickly press any button on the remote control. This can be performed at any time during or after the page notification has occurred. The remote control will not send a command to the system at this time; it will only clear future repeats of the page notification. The next time a button is pressed on the remote control it will send a command to the system.

Alarm Page

If the alarm system is triggered while armed, an Alarm Page will be sent to the remote control. When the remote receives an Alarm Page, the LCD icons will display the alarm system status information and the remote control will generate beeps.

Alarm Page table

Display	Beeps	Vibrations	Trigger
	5 short	1 times	Zone 1 1st stage-Sensor warning
	Melody 1	1 times periodically	Zone 1 2nd stage-Sensor triggering
	5 short	1 times	Zone2 1st stage-Sensor warning
	Melody 1	1 times periodically	Zone 2 2nd stage-Sensor triggering
	Melody 2	2 times periodically	Trunk switch triggering
	Melody 3	3 times periodically	Door switch triggering
	Melody 4	4 times periodically	Hood switch triggering
	Melody 5	5 times periodically	Ignition triggering

Standard features

- To ARM the system: **Press the button** 🔒 **once.**
To arm your system within proper operation range, simply press button 🔒 once (while system in disarmed or Acc off position) . The system will respond one siren chirp, one lights flash, doors lock, disable engine starter, the status LED will flash approximately once per second, indicating that the system is actively protecting your vehicle.

2-way LCD display :

IMMO icon indicate that the engine blocked
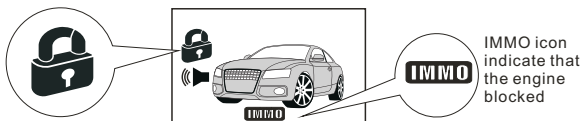
- Arm without siren chirp : **Press the button** 🔒 **over 2sec.**
You may temporarily to arm your system without siren chirp , to operate it by simply press and hold the button 🔒 for over 2sec. until the remote give 1 beep sound, then release the button 🔒 . The system will armed and without one siren chirp.
Note: this features is only activated under the system is in disarmed and Acc off position,.

- Defective Zone Bypass & Alert:
If the security system is armed at the same time that an input is active (such as a door opening or hood / trunk opening), you will hear one siren chirp to indicate arming and after 5 seconds a second siren chirp to indicate bypass Notification. A Bypass Notification chirp means that the security system ignores the input that was active when the system was armed, until that input ceases.

Note: You may press 2-way remote button Ⅱ once to check again which zone is not closed.

Defective zone	Siren chi rps	2-way beep s	2-way LCD ind icator
Door opened	4 chirps	1 long + 3 short	
Trunk o pene d	5 chirps	1 long + 4 sho rt	
Hood o pene d	6 chirps	1 long + 5 sho rt	

Passive arming: (Table-1 of No.2 ON status)

If set programme mode to **"ON"**, while turn Ignition OFF, then close the last door , the LED will starts flashing and Siren will give 2 chirps and Lights flash twice to indicated that the system is in passive arming mode. After 30sec. The system will arm by itself and LED flashing slowly to show the system is in arming mode. Main unit sends the signal to the 2-Way LCD remote and indicates ARM mode with one beep sound .

2-way LCD display :

Icon flashing indicator

Two beep sound will provided to to indicate that the system is in Passive arm mode.
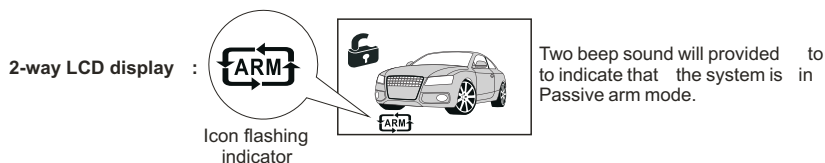
Note: If during the operating of the passive arming timer if a door is being opened the Operating of the passive arming timer will be suspended. As soon as all doors, hood and trunk are closed the system will start the cycle of the passive arming again. As soon as 30 seconds are over the armed mode will be turned On.

- Automatically rearming : (Table-1 of No.4 ON status)

If the system is disarmed by remote and a door is not opened within approximately 30 seconds the system will automatically rearm itself. This feature guards against disarming caused by accidental or unintended operation of the remote transmitter. Main unit will sends signal to the 2-Way LCD remote and indicates ARM mode with one beep sound.

2-way LCD display :

Icon flashing indicator

Flashing icon to indicate that the system is in Auto re-arming mode.
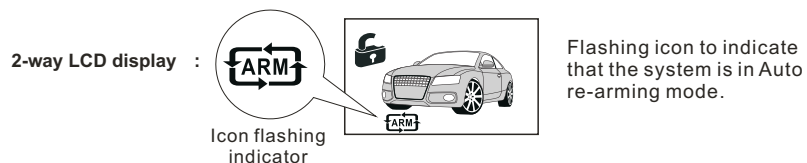
- When armed your vehicle is protected as follows:

► Light impacts trigger the sensor. When triggered, the siren will give 3 chirps.

► Heavy impacts trigger the sensor. The sequence consists of the siren sounding continuously and the parking lights flashing for 20 seconds.

► If a door is opened, the system will immediately start chirping the siren and flashing the parking lights for 30seconds.

► Turning on the ignition key will trip the same progressive response as opening a door.

► Turning on the trunk or hood will trip the same progressive response as opening a door.

► The optional starter kill prevents the vehicle's starter from Cranking.

- Alarm cycle :

If a violation occurs the system will respond by sounding the siren and flashing the lights for approximately 30sec. before the system resets itself and continues to protect your car. If violation still occurs the system, siren and lights will working for 4 or 5 cycles then the system reset itself and continues to protect other zones.

- Zone-1 / Zone-2 : 2nd stage sensor triggering limited for 4 cycles
- Door / Hood / Trunk zone triggering limited for 5 cycles

- To DISARM the system : Press the button 🔓 once.

To disarm your system within proper operating range, simply press button 🔓 once (while system in arm position). The system will respond two siren chirp, two light flash, doors unlock, Enable your engine starter, LED off.
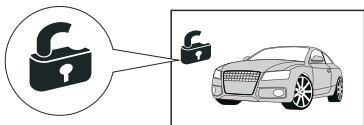
2-way LCD display : + Two beep sound

- Disarm without siren chirp : Press the button 🔓 over 2sec.

To disarm your system without siren chirp , simply press and hold the button 🔓 for over 2sec. until the remote give 1 beep sound, then release the button 🔓 . The system will disarmed and without one siren chirp.
Note: this features is only activated under the system is in armed position.

- 2 step disarm:

This system offers 2 step disarm. It's a feature that make it possible to silence and reset the system while it is triggering, without disarming the system. If the system is triggered and the siren has been sounding, pressing any button once on the remote transmitter will stop the trigger and return the unit to the armed state.

Note: Under system triggering, if press any button of 2-way remote once , the remote will stop the beep sound and LCD display will indicate the intrusion icon for 2sec. Press any button again to stop alarm triggering.

- 2nd step release start killer (Table-1 of NO.7 ON status):

If programmed with this feature, when disarming the system by the remote, however the engine will still blocked, the status LED will fast flashing 4 times after a pulse and the 2way LCD will turn on the icon **IMMO** for indication.

To exit : Turn ignition ON then (1) press Valet (over-ride) switch once . (2) or press remote button 🔓 once to release the start killer . The status LED will off to indicate the engine released .

- Disarming without a transmitter :(table-1 of No.6 Valet sw status)
The security system can be disarmed without the remote transmitter. The function is provided for the case when you need to disarm the system and drive the car but the Remote transmitter is faulty or lost. If while the programming of the system for the manual disarming the Valet (table-1 of No.6) was selected act as follows to disarm the system: open the car door - the security system will be triggered and the siren will be turned on; turn on the ignition, press the Valet switch once to disarm the system.

- Disarming by using the PIN code :(table-1 of no.6 PIN code status)
To select the PIN coded disarming mode. Please contact your installation technician or see Functions to be programmed section and the Installation manual. If the coded disarming mode is on you can use the manufacturer code (25) or to provide the maximum arming of your car you can program your own PIN code for disarming at any time. The code comprises two digit; each digit can vary from 1 to 9.

To disarm the system using the PIN code
1. Open the door with the key (the system will be triggered and the parking lights will go on and so on).
2. Turn ON the ignition .
3. Press the Valet button 2 times , the number of times which is in accordance with the first digit of your PIN code (the manufacturer setting is 2 time).
4. Turn OFF the ignition then turn ON again.
5. Press the Valet button 5 times, the number of times which is in accordance with the second digit of your PIN code (the manufacturer setting is 5 time).
6. System will automatically disarmed if insert the correct PIN code.

Note:
If you enter the wrong code , you must wait next cycle triggering and turn off the ignition then start from step #2.

- Silent arming mode : Press the button 🔒+🔓 over 2sec.

To temporarily turn off the arm or disarm chirps, use Silent mode. Simply press the button 1+2 over 2sec.. The system will armed without siren chirp. Disarm the system the siren will be automatically returned into the normal mode.
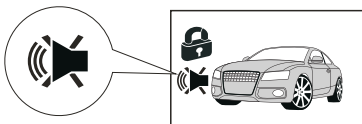
2-way LCD display :   + One beep sound

Note: The Zone1 and Zone 2 sensors are bypassed if the system is armed using Silent Mode. This ensures that no chirps will be emitted by the siren in an area you want chirp-free. The system is still fully capableof triggering. Only the sensor is bypassed.

- Panic (turning on/off) : Press the button ⊕ + ✳ over 2sec.

The system will be immediately armed , and siren turned on and the parking lights will start flashing for 30 seconds.

To turn off the panic mode, press any button once of the remote . If you do not turn off the panic mode the system will be automatically turned off in 30sec. and in armed .

2-way LCD display :
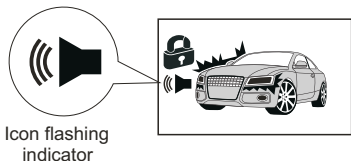
Icon flashing indicator

Under Panic mode, the 2-way remote will respond melody sound and flashing icons .

- Car search mode:

The system provide a feature to easy find your car position, simply press button ⊕ once when in armed after 5sec. The system will respond by 1-long chirp with 10sec. for the parking lights flashing.

- Passive immobilizer: (Table-1 of NO.3 ON status)

To turn on the function of passive locking of the engine contact an installation technician or see the section Programmed functions (Table-1 of NO.3).

If programmed with this function, when turn off ignition switch for 30 seconds or you open and close the door, it will disable the engine starter right way . The status LED will fast flashing 4 times after a pulse and the 2way LCD will turn on the IMMO icon.
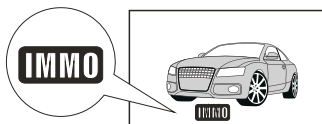
2-way LCD display :   **IMMO**   + Two beep sound

Turning off of the passive locking of the engine
- If the ignition is turned on press the disarming button 2 for a short time to cancel the function of the passive immobilizer
- If the transmitter is faulty or lost turn off the system with the Valet switch .

- In door temperature check : Press the button Ⅱ over 2sec.

This feature provide temperature check inside the vehicle , simply press the button Ⅱ for over 2sec. the 2way LCD will indicate icon to show the current temperature .

2-way LCD display :

- 5 ℃
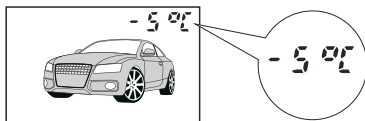
Icon turn on for current temperature inside the car

- Intrusion Alert by status LED :

Upon disarming the system, if the vehicle is attempted or intruded, siren and lights will Indicates 5 chirps and 5 flashes to identify which zone was triggered. LED mode indicates the following different triggering.

☀ ☀	flash 2 times after a pause	Sensor 1st-stage triggered
☀ ☀ ☀	flash 3 times after a pause	Sensor 2nd-stage triggered
☀ ☀ ☀ ☀	flash 4 times after a pause	Door switch triggered
☀ ☀ ☀ ☀ ☀	flash 5 times after a pause	Hood switch triggered
☀ ☀ ☀ ☀ ☀ ☀	flash 6 times after a pause	Trunk switch triggered
☀ ☀ ☀ ☀ ☀ ☀ ☀	Flash 7times after a pause	Ignition switch triggered

- 2-way LCD Intrusion Alert:

Upon disarming the system, if the vehicle is attempted or intruded, the 2-way remote will respond 2 short beep follow with melody sound, and LCD display will indicates different icons as under:

Zone1: 1st-stage sensor triggered

Zone1: 2nd-stage sensor triggered
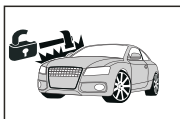
Zone2: 1st-stage sensor triggered
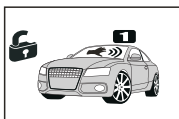
Zone2: 2nd-stage sensor triggered
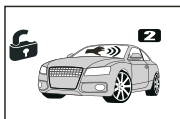
Door switch triggered
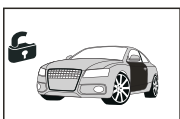
Trunk switch triggered
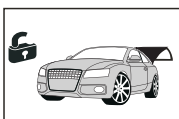
Hood switch triggered

Ignition switch triggered
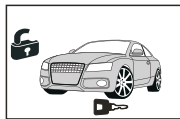
Note: Before the ignition   turn on, you may realized again   which zone been   triggered by Press   (II) button (status   check) once, the   LCD will display   triggered zone again.

- Dual stage shock sensor:

This device only activates after 5 seconds of arming state; this is preventing from the weak impact caused by the driver while leaving the car.

-**Light impact** will activate the 1st stage sensor by giving 3 short warning chirps. 2-way remote will respond 5 beeps and flashing icon as under.

Zone 1 - 1st stage sensor trigger
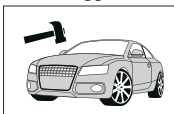
Zone 2 -1st stage sensor trigger

2-way LCD display :

With 5 beeps sound

With 5 beeps sound

-Heavy impact will activate the 2nd stage sensor and trigger the alarm for 20sec. 2-way remote will respond melody and flashing icon as under.

Zone 1 - 2nd stage e sensor trigger

Zone 2 -2nd stage sensor trigger

2-way LCD display :

With Melody sound

With Melody sound

NOTE: Adjustments are made via the rotary control above the shock sensor.

- Remote Zone1 sensor bypass: Press the button 🔒 within 5sec. of amring.

This system offer 2 stage sensors bypass feature . Within 5sec. after set arming, to press button 🔒 once , the system will give 2 short chirps , the 1st stage bypassed. Press button 🔒 Once again, within 5sec. the system will give 3 short chirps, the 2nd stage bypassed.

Zone1- 1st stage sensor bypass.

Zone1- 2nd stage sensor bypass.

2-way LCD display :

With 2 beeps sound

With 3 beeps sound

Note: - if remote sensor bypassed, it will be detected again by next arming.
- if armed with silent mode, to operate sensor bypass will only indicate by lights flash.

- Remote Zone2 sensor bypass: **Press the button Ⓘ within 5sec. of amring.**
This system offer 2 stage sensors bypass feature . Within 5sec. after set arming, to press
button Ⓘ once , the system will give 2 short chirps , the 1st stage bypassed. Press button
Ⓘ Once again, within 5sec. the system will give 3 short chirps, the 2nd stage bypassed.

2-way LCD display :

Zone2- 1st stage
sensor bypass.
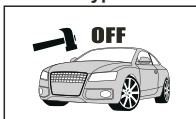
With 2 beeps sound

Zone2- 2nd stage
sensor bypass.

With 3 beeps sound

Note: - if remote sensor bypassed, it will be detected again by next arming.
　　　- if armed with silent mode, to operate sensor bypass will only indicate by lights flash.

Valet mode

If you are going to have your vehicle serviced, parked by a valet or washed you will want to
put your security system Into valet mode. To enter valet mode as follows:
With Valet button:
1. Disarm the system .
2. Turn the ignition from on to off.
3. Within 10 sec after switching off the ignition press and hold the Valet button over 3 sec ,
   the LED starts flashing , release the Valet button.
4. Press and hold the Valet button, you will hear siren chirp (from 1 to 3 chirp sound), while
   give 1 chirp sound, immediately release the Valet button. You will automatically at Valet
   mode, the LED steady ON .
With remote:
1. Turn the ignition to ON status.
2. Press the button 🔒+🔓 for over 2sec. until the status LED steady ON.

2-way LCD display:
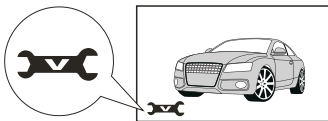
Note:
Under Valet mode, each time
turn Acc off , the siren will give
2 chirps for notification.

When the system is in the valet mode it can not be armed. The door lock and unlock will
function as keyless entry system.
To exit valet mode:
Turn Ignition switch to ON position , then press button 🔒+🔓 for over 2seconds. You
will hear siren provide 2 long and LED light OFF to confirm exit this mode and in alarm mode.
The 2-Way remote will respond 1 long and 2 short beeps.

Manage Engine start /running features

- Safe status :
This system has several important safety input to ensure proper operation of the motor and prevent accidental damage to the engine or its components.
If one of the under list input is defective , the engine will not allow to start.
 - The hood switch is opened.
 - The Hand brake switch off
 - Not in Park switch gear position.

- Safety mode :
Arming the system the 2way remote will turn on the safety mode icon 🛵 , it will allow to engine start if the icon is turn on. If one of the zone's been triggered, the icon will turn off and engine start is not available . It will able to engine start by next arming again.

- Safety mode for manual-type car: **Press the button ✳ over 2sec.**
This safety feature for the car with manual-gear type (Table-3 of NO 4), before set the engine start mode, you have to set the system in Safety mode.

To set safety mode:
1. In safe status, Engine running , press the button ✳ for over 2sec.
2. The parking lights will active to indicate in safety mode.
3. Remove the ignition key, and leave the car , however the engine still running.
4. Arm the system, and the 2-way LCD will indicate Safety icon as under:

Note: this Safety mode will turn OFF if door switch opened when arming.

2-way LCD display   :
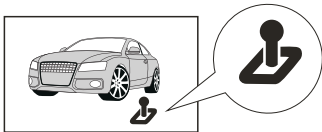
Icon on if the safety mode active.

- Remote start : **Press the button ✳ over 2sec. then press ✳ once.**
This feature allows you to remotely start and run your vehicle for a programmable period of time. This makes it possible to warm up the engine, as well as the system is in Safe status.

Important!
(1) Never remote start your vehicle when the keys are in the ignition, except when performing "Arm with engine run mode", and **(2)** Never start the vehicle if it is not in Park switch gear position and not Hand brake on .

To remote start the vehicle:

1. Armed position, press the button ✳ for over 2sec. Then within 2sec. Press the button ✳ Once.
2. The parking lights will flash 3 times to confirm that the vehicle will attempt to start.
3. Once the vehicle has started, it will run for the pre-programmed period of time (either 10, 20,30 minutes or unlimited - see **Table-3 of NO.1** section) or until a shutdown input is triggered.
4. The 2-way LCD will indicate engine run icon and engine run time icon as under:

Run time icon will turn on 2sec. for programmed   time of ($10ru$, $20ru$, $30ru$, uru). and then it will display every   2sec. of alternate run-time and   current-time.

Note: if programmed with   unlimited uru it will display only   for current-time without run-time.

2-way LCD display if engine started :

Flash icon if engine started.
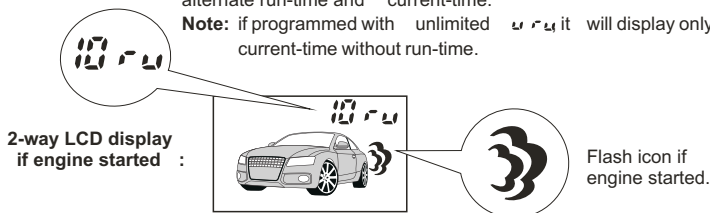
Extension engine running time 10 minutes:
To prolong the engine running time again by press the button (I) once, the engine running time will start from 10 minutes, except set in unlimited time.

When you are ready to drive the vehicle:
1. Disarm the system, if programmed with delay time (Table-3 of NO.12)
2. Insert the ignition key and turn it to the ON (not the START) position.
3. Press the brake pedal.
Note: If the brake pedal is pressed before the key is in the ON position, the engine will shut down.

Shutdown input :
While the vehicle is running during remote start operation,   the system will monitor the vehicle and will automatically shut down   the engine if the system receives   any of the following shutdown inputs:
- The brake pedal is pressed.
- The hood is opened.
- The hand brake switch off   / Park switch gear off position.
- The pre-programmed   run time (10, 20, or 30 minutes) has elapsed.
- Press the button   ✳ over 2sec.

- Fix time engine start : Press the button ⊕ + ✳ once.
This feature will automatically engine start for every (2/3/4/24 hour) check programme **Table-3 of NO.2.** This makes it possible to warm up the engine (**Table-3 of NO.1**), as well as the system is in Safe status.

To active Fix time engine start the vehicle:
1. Armed position, press the button ⊕ + ✳ once.
2. The 2-way LCD will indicate fix time icon and hour icon as under:

Run time icon will on for 2sec.
To indicate fix time every (2 Hr , 3 Hr , 4 Hr , 24 Hr) hour.

2-way LCD display :

Turn on to indicate
Fix time start enable
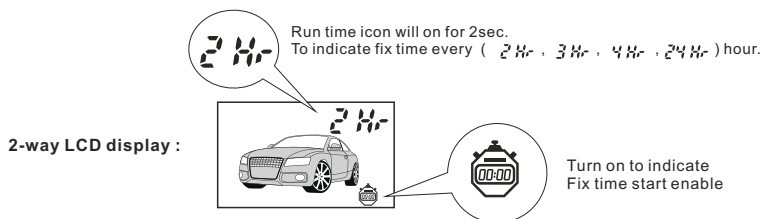
Exit the FIX time engine start   mode:
1. Under the mode, press the   button ⊕ + ✳ once again.
2. The 2-way LCD will turn   off fix time icon and give 2 beep sound.

- Temperature engine start : Press the button ⊕ + ✳ for over 2sec.
This feature will automatically engine start when the programme temperature detect (-5C, -10C,-20C,-25C) check programme **Table-3 of NO.3**. This makes it possible to warm up the engine (**Table-3 of NO.1**), as well as the system is in Safe status.

To active Fix time engine start the vehicle:
1. Armed position, press the button ⊕ + ✳ for over 2sec.
2. The 2-way LCD will indicate (¦) icon and temperature icon as under:
3. The main unit will detect the vehicle temperature after 10sec.

Turn on to indicate
temp.start enable

2-way LCD display :

Programme temp. icon will   on for 2sec. to indicate
detect temp. As:
(-5 °C , -10 °C , -15 °C , -25 °C)
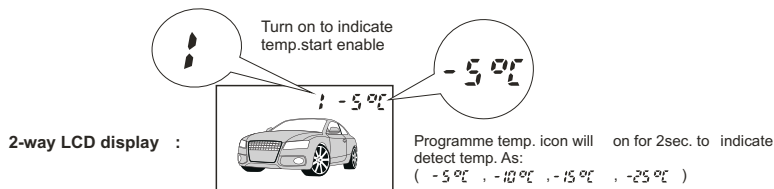
Exit the FIX time engine start   mode:
1. Under the mode, press the   button ⊕ + ✳ for over 2sec. again.
2. The 2-way LCD will turn   off temp. icon and give 2 beep sound.

- Clock time engine start: Press the button (II) + $(\ast)$ over 2sec. for twice time.
This feature will engine start by pre-setting clock time. This makes it possible to warm up the engine (**Table-3 of NO.1**), as well as the system is in Safe status.

To set clock time engine start the vehicle:
1. press the button (II) + $(\ast)$ over 2sec. then press again the button (II) + $(\ast)$ over 2sec.
   2 beep sound will be heard and clock icon flashing :

$$
\boxed{00\text{-}00}
$$

2. Press button $(\ast)$ to select Hour & Min adjust setting. Icon flashing to indicate.
3. Press button $(\widehat{\text{🔒}})$ to turn up the numbers. Press button $(\widehat{\text{🔓}})$ to turn down the numbers.
   The button may be held down to scroll faster.
4. Press button (I) to enable clock time. 1 beep will be heard and exit the mode.
   Press button (II) to disable clock time. 2 beep will be heard and exit the mode.

Note: The remote will revert to normal operation from the set mode when 10-seconds has elapsed without a button entry.

Exit the Clock time engine start mode:
1. press the button (II) + $(\ast)$ over 2sec. then press again the button (II) + $(\ast)$ over 2sec.
   2 beep sound will be heard and clock icon flashing.
2. Press button (II) to disable clock time. 2 beep will be heard and exit the mode.

-Arm with engine run mode: (Table-1 of No.8 ON status)
This feature allows the vehicle to remain running after the key has been removed from the ignition. This feature is useful for occasions when you wish to exit and lock the vehicle for short periods of time, but would like to leave the motor running and the climate controls on. The engine running time can be programmed (2/5/10/untimited time (Table-1 No.9).

To perform Arm with engine run mode:
1. Before turning off the engine, make sure the system is in Safe status as: (Hood switch closed, Hand brake on, Park switch gear on.)
2. Press the button $(\widehat{\text{🔓}})$ over 2sec. The status LED will start flashing twice per second and the parking light will active as programme (Table-3 of NO.5)
3. Turn the ignition key to the OFF position. (The engine will stay running.)
4. Press the button $(\widehat{\text{🔓}})$, to arm the system , however the engine will keep running.
   The engine will run until the pre-programmed time elapses or a shut-down input is received. (See the *Remote Start* section for a complete list of shut-down inputs.)

Note: This feature will not work if the brake pedal is being pressed.

2-way LCD display :
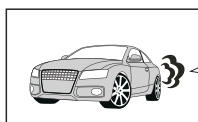
Icon flashing indicator

Anti-Hi-Jack mode

This feature will protect your vehicle in the event that there is an attempt to Hi-jack the vehicle. The system allows using three independent or simultaneous options to turn on the function Anti-Hi-Jack.
If the system turned on Anti-hI-Jack mode, the parking lights will flash 1 time and the LED will start flashing fast indicate that the mode is turned on.

- Standby door switch activates:
To operate it when driving the car, press button 🔒 for over 2seconds, siren will give one chirp and LED start flashing twice per second, system now is in standby Anti car-jacking mode. Under this standby mode, if a door is forced been open and close, the system will activate Anti-HI- jack mode immediately. The parking lights will flash once and the LED will fast flash to show the system is enter anti car-jack mode.
EXIT: Under standby mode, you may exit this mode, if it is not activate the door, press button 🔒 for over 2 seconds, siren will give two chirps and LED off.

- Remote Anti-Hi-Jack: (Table-1 of NO.5 remote status).
1. Turn on the ignition or start the engine.
2. Simultaneously press the buttons 1+3 🔒+✳ until the acknowledgement signal ,1 flash of parking lights and the status LED start flashing.

- Ignition turn Anti-Hi-Jack: (Table-1 of NO.5 ignition status).
If programmed with the feature, each time ignition switch has been turn ON , the system will auto enter anti-hi-jack mode. The parking lights will flash once and the status LED will start flashing to show the system is enter anti car-jack mode.

- Door switch Anti-Hi-Jack: (Table-1 of NO.5 Door switch status).
If programmed, to operate it when driving the car, if a door is forced been open and close, the system will activate Anti-car jack immediately. The parking lights will flash once and the LED will fast flash to show the system is enter anti car-jack mode.

2-way LCD display :
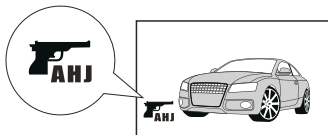
The AHJ icon will turn on after 60sec. of active the mode.

- Anti car-jack mode table:

If enter anti car-jack mode, the Parking lights will flashing once and the LED will fast flashing to show the system is enter anti car-jack mode.

While proceed at 60sec. main unit sends signal to the 2-Way remote a

2-way LCD display :
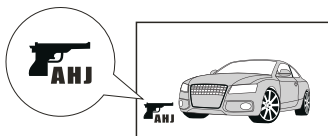
The AHJ icon will turn on after 60sec. of active the mode.

Anti-Hi-Jack mode table

LED flash	LED flashing fast		Flashing normally	
Lights flash	1 flash		Fla shing	
Siren		Warning chirp	Siren turn on	
Engine circuit			Loc king the engine cir cuits	
Timer				
	0sec.	50sec.	60sec.	90sec.
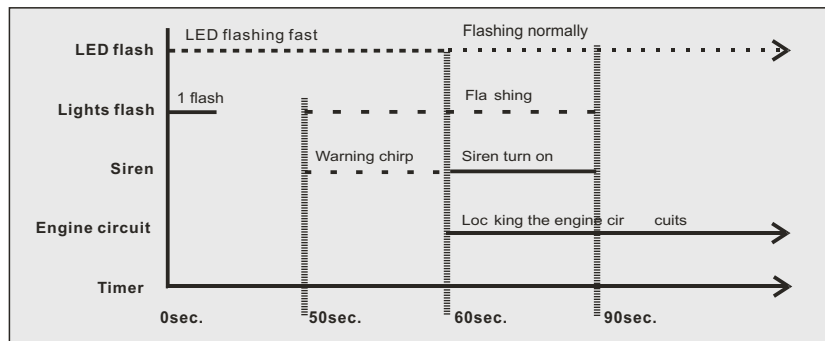
Turning off of the Anti-Hi-Jack mode

Exit within 60sec. : Turn ignition off then on . press button 🔘 for 2sec. or press valet switch once ,siren will give two chirps and LED off.

Exit after 60sec. :

1- Within Disarm switch (Table-1 of NO.6 Valet sw status) :
  After entering this mode, simply press the Disarm switch once .

2- With PIN code (Table-1 of NO.6 PIN code status) :
  To exit this mode with the PIN code , Turn off then on the ignition , press the Valet button to insert the pin code , please check the function " Using the PIN code ".

Additional service functions to control the system

- Remote controlled additional channel (CH-1)

The system has the channel CH-1 to control various additional devices connected to the system. This channel "Gray wire" is a negative pulsed output. The channel can be used for : (Table-2 of NO.5)
- Remote trunk open .
- Remote Latched.
- Remote control of with the programme timer (1~120sec.) and sensor zones off.
- Remote control of with the programme timer (1~120sec.) and sensor zones on.

. Control of the CH-1 (Trunk open) - Press the button ① over 2sec.

Simply press and hold button 4 over 2 seconds, the channel will output for 1 second pulse , to open the trunk. When armed if remote trunk open or close, the 2-way remote will give one beep sound and display icon as under:

2-way LCD display :
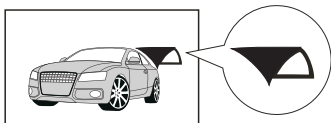
Note. If the CH1 channel output is enable when the system was in the armed mode the system will simultaneously turn off the shock sensor and the trunk trigger. As soon as the trunk is closed the system will automatically re-arm the circuit and turn the shock sensor on.

Note: (1) Ignition ON does not allow to remote trunk open.
(2) Armed, if trunk keep opened over 1 minutes, the 2-way remote will give pre-warn beep sound.

. Control of the CH-1 (Remote latched) - Press the button ① over 2sec.

Simply press and hold button 4 over 2 seconds, the channel will constant output .
To exit by press and hold button 4 over 2 seconds, the channel will deactivated.

. Control of the CH-1 (programming time output with sensor off /on) - Press the button ① over 2sec.

Simply press and hold button 4 over 2 seconds, the channel will constant output for the pre-programmed period of time or until press the button 4 over 2 seconds.
The sensor zones can be turn off or on status , during the channel activated, check Table-2 of NO.5.

- Program controlled additional channel (CH-2)

The system has the channel CH-2 to control various additional devices connected to the system. This channel "White/black wire" is a negative pulsed output. The channel can be used for : (Table-2 of NO.6)
- Disarming pulsed output for 30 seconds .
- Remote Latched.
- Remote control of with the programme timer (1~120sec.) and sensor zones off.
- Remote control of with the programme timer (1~120sec.) and sensor zones on.

. Control of the CH-2 (Disarming output for 30sec.)
If programmed , the channel will constant output 30sec. when disarming. This feature for the car with dome-light supervision.

. Control of the CH-2 (Remote latched) - Press the button 🔒 + Ⓘ over 2sec.
Simply press and hold button 1+4 over 2 seconds, the channel will constant output .
To exit by press and hold button 1+4 over 2 seconds, the channel will deactivated.

. Control of the CH-2 (programming time output with sensor off /on) -
 Press the button 🔒 + Ⓘ over 2sec.
Simply press and hold button 1+4 over 2 seconds, the channel will constant output for the pre-programmed period of time or until press the button 1+4 over 2 seconds.
The sensor zones can be turn off or on status , during the channel activated, check Table-2 of NO.6.

- Program controlled additional channel (CH-3)
The system has the channel CH-3 to control various additional devices connected to the system. This channel "Gray/black wire" is a negative pulsed output. The channel can be used for : (Table-2 of NO.7)
 - Arming pulsed output for 30 seconds .
 - Remote Latched.
 - Remote control of with the programme timer (1~120sec.) and sensor zones off.
 - Remote control of with the programme timer (1~120sec.) and sensor zones on.

. Control of the CH-3 (Arming output for 30sec.)
If programmed , the channel will constant output 30sec. when arming. This feature for the car with window closing after arming.

. Control of the CH-3 (Remote latched) - Press the button 🔒 + Ⓘ over 2sec.
Simply press and hold button 2+4 over 2 seconds, the channel will constant output .
To exit by press and hold button 2+4 over 2 seconds, the channel will deactivated.

. Control of the CH-2 (programming time output with sensor off /on) -
 Press the button 🔒 + Ⓘ over 2sec.
Simply press and hold button 2+4 over 2 seconds, the channel will constant output for the pre-programmed period of time or until press the button 2+4 over 2 seconds.
The sensor zones can be turn off or on status , during the channel activated, check Table-2 of NO.7.

- Remotecontrolled additional channel (CH-4)
The system has the channel CH-4 to control various additional devices connected to the system. This channel "Orang/black wire" is a negative pulsed output. The channel can be used for : (Table-2 of NO.8)
 - 2nd stage door unlock .
 - Remote Latched.
 - Remote control of with the programme timer (1~120sec.) and sensor zones off.
 - Remote control of with the programme timer (1~120sec.) and sensor zones on.

. Control of the CH-4 (2nd stage door unlock)

If you select this function the stage-by-stage unlocking of driver's then passengers' doors one after another is automatically carried out with the remote transmitter if you sequentially press the disarming button. Control of unlocking of the passengers doors by the signal of one of additional channels (CH4) to be programmed respectively.

When you first time press the disarming button 2 the system will enable driver's door unlocking and when you press the button once again the CH4 will be enabled for Passengers' doors unlocking.

. Control of the CH-4 (Remote latched) - Press the button ✳ + Ⅰ over 2sec.

Simply press and hold button 3+4 over 2 seconds, the channel will constant output .
To exit by press and hold button 3+4 over 2 seconds, the channel will deactivated.

. Control of the CH-4 (programming time output with sensor off /on) - Press the button ✳ + Ⅰ over 2sec.

Simply press and hold button 3+4 over 2 seconds, the channel will constant output for the pre-programmed period of time or until press the button 3+4 over 2 seconds.
The sensor zones can be turn off or on status , during the channel activated, check Table-2 of NO.8.

- Program controlled additional channel (CH-5)

This channel "Orange wire" is a negative pulsed output. The channel can be used for: (Table-2 of NO.3)
 - Armed output (for interlock N/C type)
 - Disarmed output (for interlock N/O type)

This CH-5 output for the car with engine start killer feature while active the system. Armed or disarmed output can be programme by Table-2 of NO.3 . This wire may be wired to an optional starter kill relay .

- Additional channel (CH-6)

This channel "Y ellow wire" is a negative pulsed output. This CH-6 output for the car with engine start killer feature as soon as system disarmed. This wire may be wired to an optional starter kill relay .

2-way LCD display :
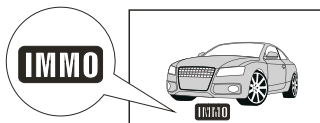
To indicate that the engine blocked.
CH-5/CH-6 activated.

- Additional (alarm) call if alarm call button located on the antenna module of the transceiver is pressed

- The system has an additional channel to transfer the signal to call for/notify the owner of the two-way communication remote. The call can be made by the second person being in the car and enabling the call button on the module of the antenna pager. The call is formed by pressing the call button .
- The two-way communication remote will start issuing frequent beeps few seconds.

Transceiver
Receiver-
transmitter unit
BASE-2

Call button

LED indicator

LED indicator
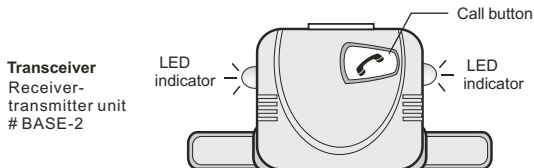
2-way LCD display :
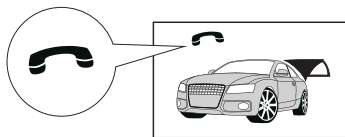
To indicate that the call button activated.

Changing of the PIN code to turn off the system

This system provide 2 digit PIN code, each digit code can be programme from 1 to 9 , and manufacturer code is (2.5).
To program your new PIN code as follows:

1. Disarm the system .
2. Turn the ignition from on to off.
3. Within 10 sec after switching off the ignition press and hold the Valet button over 3 sec , the LED starts flashing , release the Valet button.
4. Press and hold the Valet button, you will hear siren chirp (from 1 to 3 chirp sound), while give 3 chirp sound, immediately release the Valet button.
  You will automatically at the PIN code setting mode. Siren will give 1 long chirp sound.
5. Enter the first digit of the code with the Valet button (the number of pressing the Valet button corresponds to one digit of the code);
  Press remote button 1 once to confirm the first code, by given 1 chirp sound.
6. Enter the second digit of the code with the Valet button (the number of pressing the Valet button corresponds to the second digit of the code);
  Press remote button 1 once to confirm the second code, by given 2 chirp sound.

7. If PIN code correct insert , the siren will give 1 long chirp to acknowledging that the system is ready for programming of new PIN code, see next step #9.
If PIN code incorrect insert, the system will exit the mode by given 2-long chirp.

<< Suppose that you want set new PIN code is 3.8 >>

8. To programme the 1st PIN code by press the Valet button the number of times corresponding to the 1st digit of your PIN code. Press 3 times of the Valet button, (each time the Valet button is pressing, the status LED will activated) .

9. Press the remote button 1 once, siren will give 1 chirp to confirm the 1st digit code .

10. To programme the 2nd PIN code by press the Valet button the number of times corresponding to the 2nd digit of your PIN code. Press 8 times of the Valet button, (each time the Valet button is pressing, the status LED will activated) .

11. Press the remote button 1 once, siren will give 2 chirp to confirm the 2nd digit code .

12. Wait a second, the status LED will notify the 2 digit PIN code, by 3 flashes - pause - 8 flashes.

13. If you wish to change the new PIN code again, press and hols the Valet button until transceiver give 1 long beep, to indicate that you can programme again from above step 9 .

14. To Exit the mode, turn ignition to ON , and you will hear two long siren chirps.

You must write down or remember your PIN code.
Note:
Please notice that the time between your actions shall be less than 20 sec; otherwise the system will automatically exit the programming mode and you will hear two long siren chirps.

Entering the programming mode

1. Disarm the system .
2. Turn the ignition from on to off.
3. Within 10 sec after switching off the ignition press and hold the Valet button over 3 sec , the LED starts flashing , release the Valet button.
4. Press and hold the Valet button, you will hear siren chirp
(from 1-short ⇢ 2-short ⇢ 3-short ⇢ 1-long ⇢ 1-long+1-short ⇢ 1-long+2shot),
5. ➤ While give **1-long chirp** , release the Valet button to programme **Table-1**.
➤ While give **1-long+1short chirp** , release the Valet button to programme **Table-2**.
➤ While give **1-long +2short chirp** , release the Valet button to programme **Table-3**.
6. After release the Valet button, you will automatically at the programming mode for the No.1 function. The LED starts flashing as separate flashes and the lights will turn ON.

The number of the LED flashes in the programming mode for a certain function Corresponds to the programmed function number;
7. - Change the status of the function by press the button 1.2. 3.4 of the transmitter. You will hear 1, 2, 3,4 siren chirps depending on the new status of the function,
- Switch into the next function by press the Valet button one time.
- Exit the programming mode (e.g. turn on the ignition).
Note
Please notice that the time between your actions shall be less than 20 sec; otherwise the system will automatically exit the programming mode and you will hear two long siren chirps.

PROGRAMME TABLE-1

Press the Valet SW to next item **Item NO. by LED flash**	**PROGRAMME FEATURES**	Press button 🔒 **1-chirp**	Press butt on 🔓 **2-chirp**	Press butt on ✳ **3-chirp**	Press butt on Ⓘ **4-chirp**
No.1	Foot brake & Ignition control door lock / Ignition off unlock	Foot brake Lock / IGN off Unlock	IGN on10sec Lock/ IGN off Unlock	IGN on10sec Lock/ W/o Unlock	OFF
No.2	Passive arming	OFF	OFF	ON	ON With door locking
No.3	Passive immobilizer	OFF	OFF	ON	ON
No.4	Automatically Rearming	OFF	OFF	ON	ON With door locking
No.5	Anti-Hi-Jack mode	OFF	ON By Door SW Activate	ON By ignition turn on	ON By remote activate
No.6	Emergency disarm by : Valet Switch / Pin code	Valet SW	Valet SW	Pin code	Pin code
No.7	2nd step release start killer	OFF	OFF	ON	ON
No.8	Arm with engine run mode	OFF	OFF	By Remote	By Hand brake
No.9	Arm with engine run time	2minutes	5 minutes	10 minutes	Unlimited

Factory settings

PROGRAMME **TABLE-2**

Press the Valet SW to next item **Item NO. by LED flash**	**PROGRAMME FEATURES**	Press button 🔒 **1-chirp**	Press butt on 🔓 **2-chirp**	Press butt on ✳ **3-chirp**	Press butt on Ⅰ **4-chirp**
No.1	Manage door lock/unlock	0.8sec.	3.5sec.	Lock-0.8sec. Unlock-2pulse	Lock-30sec. Unlock-0.8sec.
No.2	Door switch delay while arming	5sec.	15sec.	45sec.	60sec.
No.3	Controlled channel (-) CH-5 output	Interlock N/C Type Armed output	Interlock N/C Type Armed output	Interlock N/O Type Disarmed output	Interlock N/O Type Disarmed output
No.4	Exchange CH-1/CH-2 & Lock / Unlock channel . • Lock output = gray wire (-) • Unlock output = white/black wire (-) • CH-1 output = internal lock relay • CH-2 output = inter unlock relay	OFF	OFF	ON	ON
No.5	Controlled channel (-) CH-1 output	Trunk open Pulse output 1sec	Remote latched by key-1	Programme time output 1~120sec. sensor off	Programme time output 1~120sec. sensor on
No.6	Controlled channel (-) CH-2 output	Disarming Pulse output 30sec	Remote latched by key-1+4	Programme time output 1~120sec. sensor off	Programme time output 1~120sec. sensor on
No.7	Controlled channel (-) CH-3 output	Arming Pulse output 30sec	Remote latched by key-2+4	Programme time output 1~120sec. sensor off	Programme time output 1~120sec. sensor on
No.8	Controlled channel (-) CH-4 output	2nd stage unlock	Remote latched by key-3+4	Programme time output 1~120sec. sensor off	Programme time output 1~120sec. sensor on

Note: How to programme No.5~No.8 timer output

While in programme item No.5~No.8 ,to programme the channel timer output by pressing the button ✳ or Ⅰ , at the time the siren will give chirps and the LED will steady ON , the programmer now is in counting time (from 1~120sec.) , after your desire time, pressing the button ✳ or Ⅰ again, thus the channel has been programmed the time output.

PROGRAMME TABLE-3

Press the Valet SW to next item **Item NO. by LED flash**	**PROGRAMME FEATURES**	Press button 🔒 **1-chirp**	Press button 🔓 **2-chirp**	Press button ✳ **3-chirp**	Press button Ⓘ **4-chirp**
No.1	Engine run time after start	10 minutes	20 minutes	30 minutes	Unlimited
No.2	Time start engine by each 2 / 3 / 4 / 24 hours	2 hour	3 hour	4 hour	24 hour
No.3	Auto start engine by temperature detect	- 5 °C	- 10 °C	- 15 °C	- 25 °C
No.4	Auto-type /Manual-type car safety switch -/+ signal detect	Auto-type (-) safety sw ⎍	Auto-type (+) safety sw ⊓	Manual-type (-) safety sw ⎍	Manual-type (+) safety sw ⊓
No.5	Parking lights activate when remote engine running	Flashing	Flashing	Constant	OFF
No.6	Blue wire (CON1) ACC(+) output	Active when ACC is on (Green wire)	Active when IGN1 is on (Yellow wire)	Active when Engine is running	Active when Engine is running
No.7	Start engine crank time	0.8 sec.	1.4 sec.	2 sec.	3.6 sec.
No.8	Engine type (start delay)	Petrol (Delay-2sec.)	Diesel (Delay-4sec.)	Diesel (Delay-6sec.)	Diesel (Delay-10sec.)
No.9	Engine control detect	Generator (+)	Generator (-)	Voltage "noise"	Tacho sensor
No.10	Turo off Safety mode 🛇 if Zone1&Zone2 triggered	OFF	Zone1 2nd stage Triggered	Zone2 2nd stage triggered	Zone1+2 2nd stage triggered
No.11	Bypass Zone1& Zone-2 when Engine start running	OFF	Zone1 Bypass	Zone2 Bypass	Zone1+2 Bypass
No.12	Shut down engine run when press 🔒 button to disarm	OFF	Delay 10sec.	ON	ON
No.13	Push Start/Stop Button	OFF	1-pulse start + 1-pulse stop	2-pulse start + 1-pulse stop	2-pulse start + 2-pulse stop
No.14	Dome light delay while active Push Start/Stop button	OFF	Delay 15sec.	Delay 30sec.	Delay 45sec.

System Installation:

1. Thoroughly read and become familiar with the installation instructions before beginning the installation.
2. Review system contents: (1). A control module. (2).2-way pager transceiver antenna
   (3). One 5-button 2-way LCD remote transmitter.
   (4).One 3-button random code remote transmitter
   (5).Dual stage shock sensor   (6).High output 6-tone siren (optional)
   (7).Harness:
   . 24-Pin main harness   . 4-pin x2 shock sensor harness.
   . 7-pin transceiver harness   . 3-Pin (40a) block relay harness

3. Verify with the owner, the mounting location for all visible components, including the LED and Valet/over-ride switch.
4. Verify with the owner, the optional programme features.
5. Inspect and perform a function test for all vehicle systems before and after the installation.
6. Always use a Volt / Ohm meter for testing vehicle circuits. Never use a test light.
7. Always look before drilling any holes or mounting self-tapping screws. Be sure fuel lines and exterior wiring looms are clear as they often close to the chassis and difficult to see.
8. Protect all wires running from the engine compartment to the interior of the vehicle by covering with electrical tape and split loom tubing. Be sure to use a grommet when routing wires through the firewall.
9. Properly fuse any additional accessories such as window module, trunk opener, etc., making sure to power them separate from the alarm module. This will ensure the functionality system in the event of an accessory failure.

Mounting the Control Unit
The control unit only be mounted in the inter of the vehicle. Do not mount the main unit in the engine compartment. Choose a mounting location that will not be easily accessible to a thief, and will not interfere with the operation of any vehicle components, such as foot pedal, steering column, air vents, seat rails, etc.

Do not mounting the control unit until after setting the internal jumpers and performing a complete operation check of the system. After installation is complete and performance verified, the control unit can be easily mounted using wire ties through the mounting tabs on the button of the unit.

Mounting the Shock Sensor
Choose a suitable interior mounting locating for the shock sensor that provides ample coverage of the vehicle. Keep the sensor away from the vehicle's ECM or other sources of the electrical interference. Suggested mounting locations include air conditioning ducts, dashboard braces, or center console supports.
During proper operation, the shock sensor will detect impacts to the vehicle only and will not usually br triggered by slow rocking movements of the vehicle like those caused by wind.

WIRING DIAGRAM :

ZONE1
Plug-in dual stage
shock sensor

Dual-stage/zone Shock Sensor

1 2
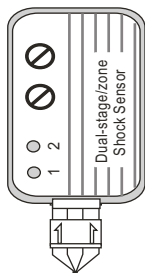
2nd stage (-) trigger — Green
1st stage (-) trigger — Blue
- Ground — Black
+12V DC output — Red

ZONE2
External
Ultra sonic &
micro-wave
sensor port

⚠ **Antenna**
Extend the whole wire, align it with the intersection of dashboard and the front window glass.
Keep it away from the metal at least 5 cm to have the best receiving condition.

LED indicator

LED indicator

Push button
Call switch
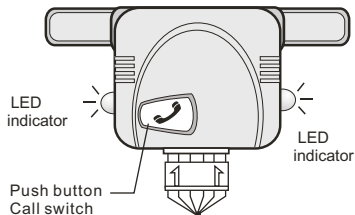
External Temperature Sensor

Use external temperature sensor for measurement of engine temperature or temperature in the given point of car compartment. Install the sensor in nearby engine .

Eaglemaster® E8

Main control unit

Plug-in Valet/ over-ride switch

**20-PIN CON2
Main connector wiring**

**6-PIN CON3
Connector for door lock wiring**

**6-PIN CON1
Connector for Engine start wiring**

20-PIN CON2 main connector wiring

Connect to Chassis Ground (-) — **Black**

Connect to (-) negative Hood pin switch — **Pink**

Foot brake (+) input — **Green/white**

Hand brake (-) input — **Blue/white**

Connect to (-) negative Trunk pin switch — **Blue**

Connect to Existing (+) Positive Door Switch — **Purple**

Connect to Existing (-) Negative Door Switch — **Green**

(+) Siren output — **Brown**

Engine control input (prog.)
By tachometer or generator — **White/red**

(-) CH-5 (prog.)
(-) 500mA negative pulsed when armed output (Killer1) — **Orange**

(-) CH-6 — **Yellow**
(-) 300mA negative pulsed when disarmed output (killer2)

(-) Safety switch — **Red/black**
(-) negative input Connect to the Park switch gear in the vehicle.

(-) CH-1 (prog.) — **Gray**
(-) 500mA negative pulsed output for Trunk open

(-) CH-2 (prog.) — **White/black**
(-) 500mA negative output 30sec. when disarming.

White
Right side parking light output

(-) CH-3 (prog.) — **Gray/black**
(-) 500mA negative pulsed output 30sec. when arming.

White
Left side parking light output

(-) CH-4 (prog.) — **Orange/black**
(-) 500mA negative pulsed output for 2nd stage door unlock

(-) Factory disarm output — **Yellow/black**
(-) 500mA negative output to disarm factory anti-theft device

(-) Original bypass output — **Black/white**
(-) 500mA negative output when active engine run and start on .

6-PIN CON1 Connector for Engine start wiring

ACC ON output (+)	Green
Starter input (+)	Yellow/black
Positive power (+) 12VDC input	30A red

Black/yellow	Starter ON output (+)
blue	ACC (+) output (prog.) (acc circuit , air-con & heater..) check Table-3 of No.6
Yellow	IGN1 output(+) the wire will active when remote start and engine running

Connector pins: 3 2 1 / 6 5 4

6-PIN CON1 Connector for Start/Stop button function
(PROG. Table-3 of NO.13)

ACC ON output (+)	Green
Starter input (+)	Yellow/black
Positive power (+) 12VDC input	30A red

Black/yellow	Start/Stop button (+) output
blue	Foot brake(+) output
Yellow	Ignition (+) output

Connector pins: 3 2 1 / 6 5 4

6-PIN CON3 Connector for Door Lock wiring

Door Lock N/O	Green/red
Door Unlock N/O	Blue/red
Door Unlock COM	Blue

Green	Door Lock COM
Green/black	Door Lock N/C
Blue/black	Door Unlock N/C
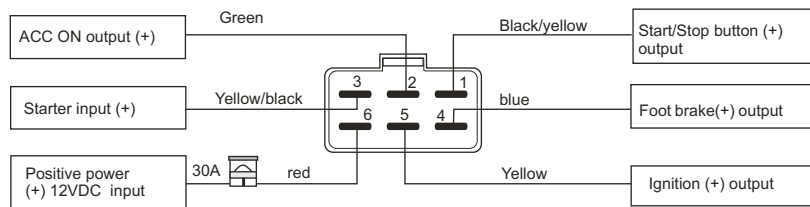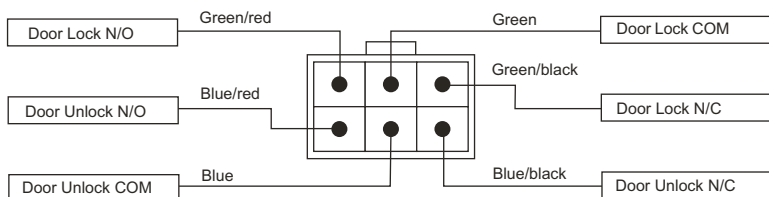
4-PIN Connector for sensors

(+)12V DC	Red
(-) When Armed	Black

Green	1st stage (-) input
Blue	2nd stage (-) input
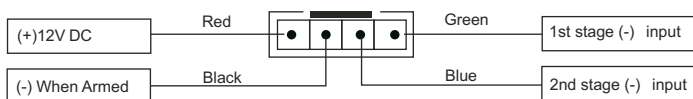
CON1 engine start wire connection guide:

The six heavy gauge wires coming from the large connector are used to energize high current circuits in the vehicle. It is crucial that these connections are well-made and capable of handling the current demands.

Black/yellow (+) starter output
Connect this wire to the starter wire in the vehicle.
Yellow/black starter input
For anti group or starter kill attach this wire to the key side of the starter wire for anti grind and for the starter kill to be active.
RED (+)12V input for high current outputs
Remove the 30-amp fuses prior to connecting these wires and do not replace them until the satellite has been plugged into the control module. These wires are the source of current for all the circuits the relay satellite will energize. They must be connected to a high current source. Since the factory supplies (+)12V to the key switch that is used to operate the motor, it is recommended that these wires be connected there.
Yellow(+) Ignition #1 ON output
Connect this wire to the ignition #1 wire in the vehicle. This wire will immediate active when remote start and engine running .
Green(+) ACC ON output
Connect this wire to the ACC ON wire in the vehicle. This wire will activate when remote engine running.
Blue (+) ACC(+) output (prog.)
This wire will activate for programme (Table-3 of No.6)
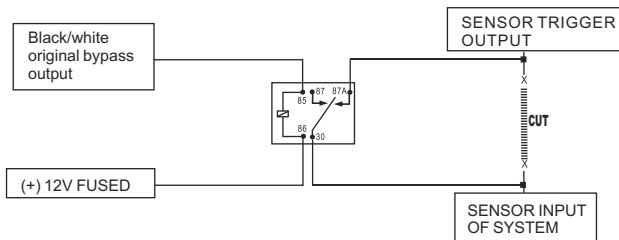
CON2 wire connection guide:

Black/white (-) original bypass output
This wire supplies a 500mA output as soon as the module with remote start process. It can be used with a relay to disconnect a sensor from the system as shown below.
This wire can also be used to rearm a factory anti-theft system when the remote start shuts down.

To bypass an optional sensor:

Yellow/black (-) factory disarm output
This wire sends a negative pulse every time the remote start is activated. This can be used to pulse the disarm wire of the vehicle's factory anti-theft device. Use a relay to send a (-) or (+) pulse to the disarm wire as shown in the diagrams below.

Relay for Negative (-) Disarm Wire

Yellow/black (-)
factory disarm output

87 87A
85
86 30

(+)12V   To disarm (-)
                  wire
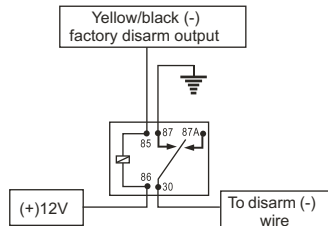
Relay for Positive (+) Disarm Wire

Yellow/black (-)
factory disarm output

(+)12V

87 87A
85
86 30

(+)12V   To disarm (+)
                  wire
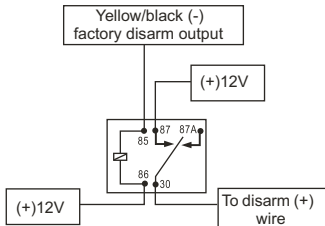
White/red Engine control input (tachometer or generator input)
This input can be programmed three ways to detect engine status - run or not .
(Tachometer RPMs & Generator (+) /(-) & Voltage "noise") .
by programmable (Table-3 of No. 9)

- Control by tacho sensor:
This input provides the module with information about the engine's revolutions per minute (RPMs). connection to such circuit is ensure right starter disconnection. There are some cars where tacho signal amplitude is lower than 4V. Therefore you need to use additional Capacitor .

1 2 3 4 5 6 7 8 9 10
11

                         1.0 uf/250V
White/red wire   ► To Tachometer sensor
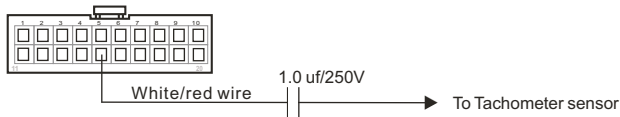
- Control by generator (+) or (-):
connect the wire to "generator charge lamp" on dashboard. This wire circuit must changed from 0V(engine stop) to 9-12V (engine running) or from +12V to 0V (Table-3 of No. 9) there are some car models where +12V is appear when starter is running.

- Control by Voltage "noise" :
When you can't use engine control by tacho and by generator. Starter disconnection according to the Table-3 of No.9 , white/red wire do not used.

Green/White (+) Foot brake input
This wire MUST be connected to the vehicle's brake light wire. This is the wire that shows (+) 12V when the brake pedal is depressed. The remote start or turbo mode will be disabled or shut down any time the brake pedal is depressed.
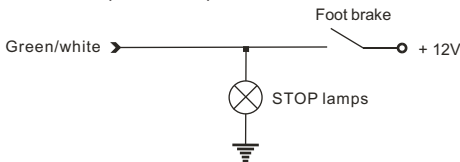

Blue/White (-) Hand brake input
This wire MUST be connected to the vehicle's brake light wire. This is the wire that shows (-) when the hand brake is ON. The remote start or turbo mode will be activate if the brake Is ON position.
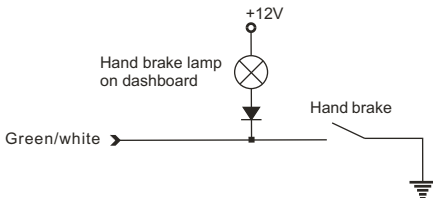
Red/black (-) Safety switch input (prog.)
Connect the wire to the PARK gear (-)switch in the vehicle. This wire will test with ground with the gear selector in PARK position. This will prevent the vehicle from accidentally being started while in a drive gear. This input must rest at ground in order for the remote start system to operate. Connected properly the vehicle will only start while in PARK gear position. This wire can be programmed (-) / (+) signal detect by table-3 of No.4.
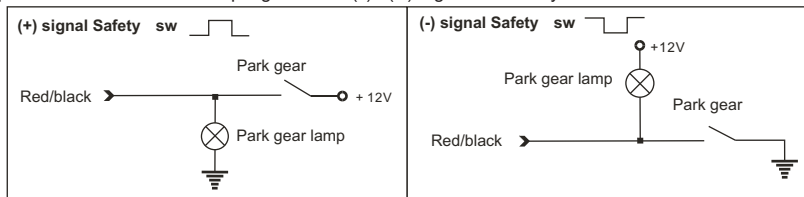
Black (-) chassis ground connection
Remove any paint and connect this wire to bare metal, preferably with a factory bolt rather than your own screw. (Screws tend to either strip or loosen with time.) We recommend grounding all your components, including the siren, to the same point in the vehicle.

ORANGE (-) CH-5 ground-when-armed output (prog.)
This wire supplies a (-)500 mA ground as long as the system is armed (if programmed armed output by (Table-2 of No.3). This output ceases as soon as the system is disarmed. The orange wire may be wired to an optional starter kill relay.

6-PIN Connector for Central Door Locking Wiring

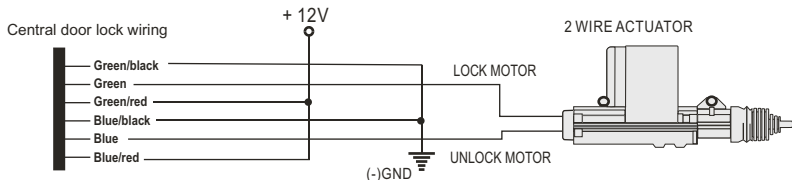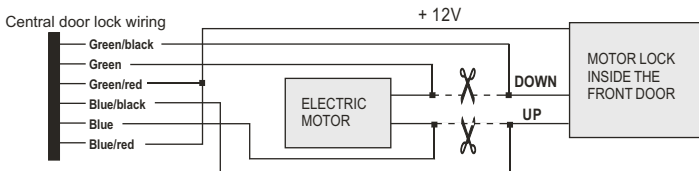### 1.) For Factory installed central door lock system

ORIGINAL
BUILT-IN
CONTROLLER

MOTOR CONTROL
MOTOR CONTROL
DOWN
UP
MAIN LINE

DOOR MOTOR LOCK
(Inside of the front door)

Central door lock wiring
- Green/black ✂
- Green
- Green/red
- Blue/black ✂
- Blue
- Blue/red
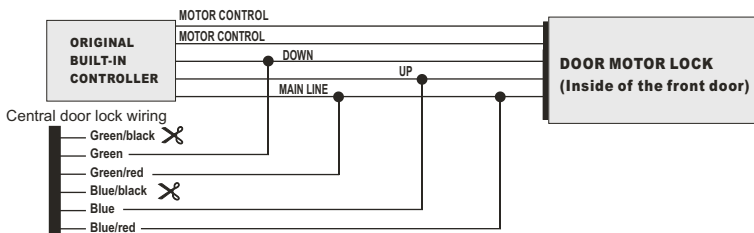
2.) Directly connect to 2 wire Actuator

Central door lock wiring

+ 12V

2 WIRE ACTUATOR

- Green/black
- Green
- Green/red
- Blue/black
- Blue
- Blue/red

LOCK MOTOR

UNLOCK MOTOR

(-)GND

3.) A built-in Central door lock with electric lock switch(like: CHRYSLER..)

Central door lock wiring

+ 12V

- Green/black
- Green
- Green/red
- Blue/black
- Blue
- Blue/red

ELECTRIC
MOTOR

DOWN

UP

MOTOR LOCK
INSIDE THE
FRONT DOOR

4.) For vacuum type central door lock system (like : Mercedes Benz , AUDI..)

Central door lock wiring

+ 12V

Note: Door lock active time for 4 secs.

- Green/black
- Green
- Green/red
- Blue/black
- Blue
- Blue/red

ELECTRIC
MOTOR

DOWN

UP

AIR COMPRESSOR