Note: The system is designed to select either the method of RPM sensing from the TACH or connecting to Oil Sensor .(or to Generator) . If Tach wire is connected,leave oil sensor input unconnected, and vice versa.

Thank you for purchasing this long range two-way FM Vehicle Security System

Please record the following serial number
for warranty and maintenance

MODEL#: **ICBM-7071**
SERIAL#:

1) Please read this manual carefully before using this car alarm so that you'll take the full advantage of every marvelous features provided by the system.

2) The local authorized dealer is responsible for the service and warranty.

3) The system requires no specific maintenance. Your remote control is powered by a small **1.5volt LR03 AAA Alkaline** battery. When the battery weakens, operating range will be shortened. When the battery icon "　" begins flashing on the LCD screen, please replace the battery.

4) This device complies with part 15 of FCC rules. Operation is subject to the following two conditions: (1). This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this

Antenna

LED : Status Indicator

Valet Switch

sensitivity adjustment
for shock sensor

Remote control　　　　Communication Unit

Icons	Icon Descriptions
	Indication of no Acknowledgement
	Door Locked (Car Armed)
	Door Unlocked (Car Disarmed)
	Trunk Released
	Triggered by Shock Sensor
	Door Opened
	Ignition On or Triggered by Illegal Start
	Hood Opened
	Triggered by Microwave Sensor
	Car Light Flashing
	Keypad is Locked
	Sound Arming
	Silent Arming
	RTC (Real-time Clock)
	RTC Mode
	PAC (Personal Alarm Call) Mode
	Battery Life Indicator
AUX	Auxiliary Output
ARM	The System is in Arming Mode
TURBO	The Engine is in Short-Run/Turbo Mode
LIGHT	The LCD Back Light is Enable

Button	Time pressed then release	Function	Condition
	0.5 sec	Arm and Lock	Non-driving
	2.0sec	Panic Mode	
	0.5 sec	Disarm and Unlock	
	2.0sec	Trunk Release	
	0.5 sec	Remote Query	
	2.0sec	Auxiliary Channel 5 Output	
✳ +	0.5 sec	Remote Start Timer Mode	Non-driving, Armed
✳ +	0.5 sec	Remote Start ON/OFF	
	0.5 sec	Lock	Driving
	2.0sec	Anti-robbery	
	0.5 sec	Unlock	
✳ + ✳	0.5 sec	Turbo Mode	
✳	2.0sec	To Activate Set-up Menu	Any time
✳ +	0.5 sec	Keylock ON/OFF	
	0.5 sec	Hours or Minutes Increment	Correction of Real-time Clock or Time Set-up for Personal Alarm
	2.0sec	Hours or Minutes Increase Continuously	
	0.5 sec	Function Select	Menu Activated
	0.5 sec	Function Cancel	
✳	0.5 sec	Function Shift	

Note: "+" means press the buttons in sequence within 2 seconds.

LIMITED WARRANTY

This Alarm & Starter product is warranted against manufacturing defects in material and workmanship for 360 days from the date of purchase from the authorized Dealer.

During the period, the Dealer will repair the products without charging the parts and labor cost.

The warranty does not cover damage or failure caused by or attributed to Act of God, abuse, misuse, improper or abnormal usage, improper maintenance, lightning or other incidence of excess voltage, or any repairs other than those provided by the Dealer's engineer and their facility.

When warranted time is expired, Dealer will repair the products only charging the parts cost.

Purchase Information

Name of Dealer _____

Address _____

Zip Code _____

Phone _____ Fax _____

Date of Purchase _____

Signature of Installation Engineer _____

Product Information
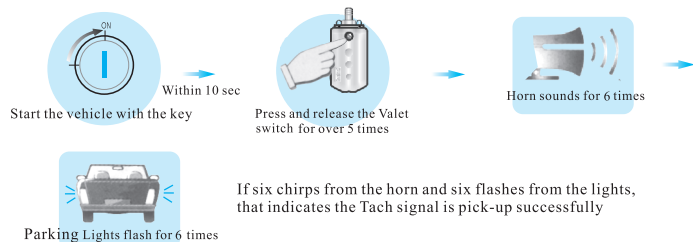
Model _____

Type of Vehicle _____

Serial number of Remote Control #1 _____

Serial number of Remote Control #2 _____

(1) How do I program the tach wire on the remote start systems?

It is not necessary. Our tach wires are self-learning for

all remote start systems.

(2) To verify the tach signal:

Within 10 sec

Start the vehicle with the key   Press and release the Valet
                                        switch for over 5 times

Horn sounds for 6 times

If six chirps from the horn and six flashes from the lights,
that indicates the Tach signal is pick-up successfully

Parking Lights flash for 6 times

(3) Why will the vehicle not shut off when the brake is pressed?

All of the vehicle's doors must be shut for this work.

(4) Why does the vehicle keep attempting to restart itself

when the remote start is armed?

You will need to try to relocate the purple with white

trace wire on the remote starter module to find a

stronger signal. Examples include sensing the oil sensor

signal or generator signal

if tach wire is not easy to locate.

(5) How do I make the remote starter turn on?

Push the "✳"button for 1 second, let it go, and then

push the " 🔓" unlock button for 1 second, then let it

go. All doors must be closed for the remote start to work.

Standard Arming Mode

Press button "🔒"   One chirp from   Parking lights flash once
for 0.5sec   the Horn
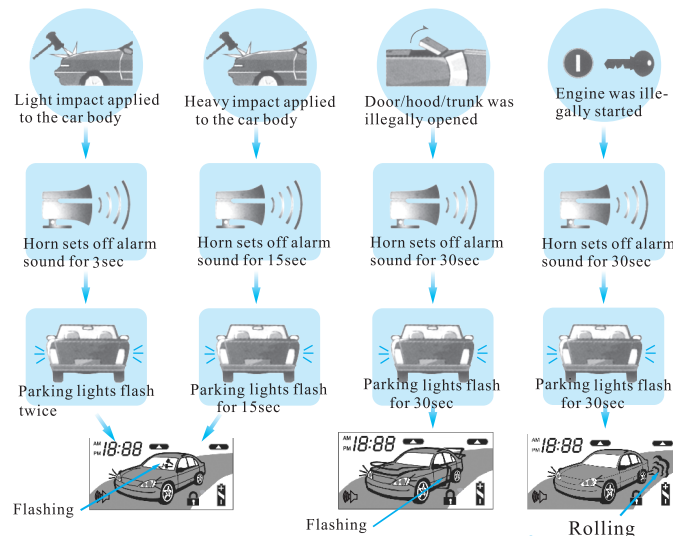
Doors are locked   Windows Rolling-up
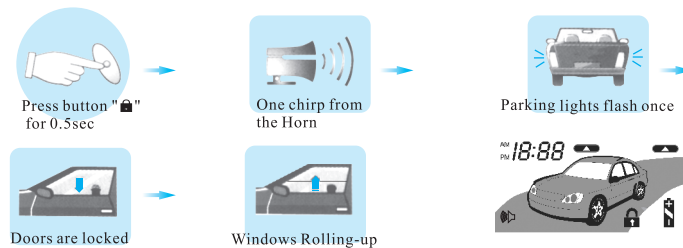
If you hear three more chirps after arming, maybe you need to re-check the doors to see whether they are properly closed. This chirp is called door zone bypass notification. This notification is given out when some door is not closed properly or if your car has a dome light delay. After the notification, the system will delay to monitor the door zone for an additional 20 seconds or until the dome light turns off.

The system also can remind you of arming the system if you forgot to do so. The system will give out three siren chirps with light flashes 20 seconds after you turn off the ignition key and close all the doors. After hearing the audible reminder, you should press button 🔒 to arm and lock.

If you select to install a Field Disturbance Sensor, such as a microwave sensor, the system can react to any intrusions into the field with the full triggered sequence.

Note: This system supplies a windows rolling-up feature. A windows rolling-up module may be necessary.
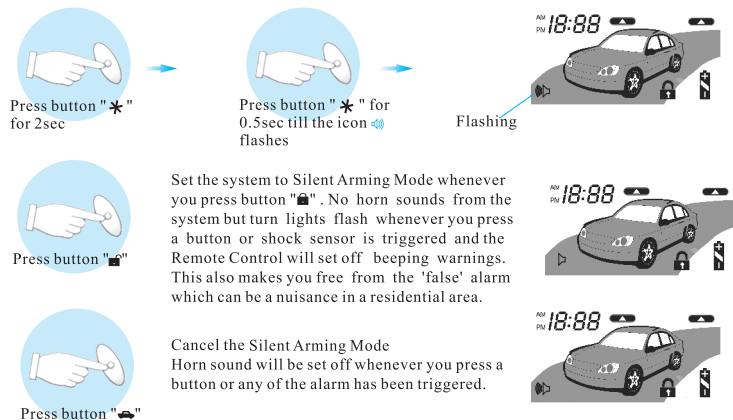

When Alarm is Triggered (In Arming State)

Light impact applied   Heavy impact applied   Door/hood/trunk was   Engine was ille-
to the car body   to the car body   illegally opened   gally started

Horn sets off alarm   Horn sets off alarm   Horn sets off alarm   Horn sets off alarm
sound for 3sec   sound for 15sec   sound for 30sec   sound for 30sec

Parking lights flash   Parking lights flash   Parking lights flash   Parking lights flash
twice   for 15sec   for 30sec   for 30sec

Flashing

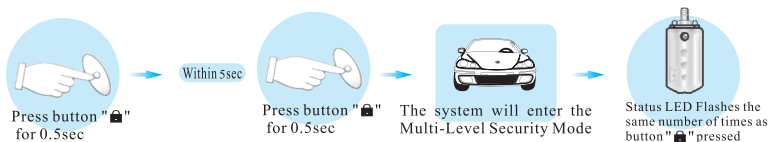   Flashing   Rolling

Notes:
a: When alarm was triggered, engine was immobilized automatically.
b: To shut off the alarm sound from the vehicle, press button "🔒" and the vehicle is still in the arming state.
c: When the Remote Control successfully received the triggered alarming status ,it sets off warning beeps every 20 seconds. To release the warning beeping , press any button of the Remote Control.
d: You may select an optional field disturbance sensor such as microwave sensor or radar sensor, your system can react to any intrusions into this field with the full triggered sequence.

Silent Arming Mode

Press button "✳" for 2sec

Press button "✳" for 0.5sec till the icon 🔊 flashes

Flashing

Set the system to Silent Arming Mode whenever you press button "🔒" . No horn sounds from the system but turn lights flash whenever you press a button or shock sensor is triggered and the Remote Control will set off beeping warnings. This also makes you free from the 'false' alarm which can be a nuisance in a residential area.

Press button "🔒"

Cancel the Silent Arming Mode
Horn sound will be set off whenever you press a button or any of the alarm has been triggered.

Press button "🚗"

Multi-Level Security Arming

Press button "🔒" for 0.5sec

Within 5sec

Press button "🔒" for 0.5sec

The system will enter the Multi-Level Security Mode

Status LED Flashes the same number of times as button "🔒" pressed

Multi-Level Security Arming allow you to select which of the system's inputs or sensors will be active and which will be bypassed when the system is armed. Each time Button 🔒 is pressed again, a different security level is selected. The different security levels are selected as follows:

Checklist of Options

FEATURES#	Option 1(default) by button 🔒	Option 2 by button 🔓	Option 3 by button 🚗
1.Power motor/Vacuum door locking system	Power motor (0.8s pulse)	Vacuum (3.5s pulse)	
2.Single/double pulse unlock	Single	Double	
3.Automatic rearming	ON	OFF	
4.Auto door lock/unlock when ignition is on	ON	OFF	
5.Parking lights flash when door opened in disarm mode	ON	OFF	
6.Passive Arming	OFF	ON	
7.Passive locking in passive arming mode	OFF	ON	
8.Auxiliary Channel 5 Output	0.8 second pulse	15seconds pulse	Latched output
9.Disarm when trunk release	OFF	ON	
10.Parking Lights Flashing/Constant	Flashing	Constant	
11.Gasoline/Diesel Engine Start	Gasoline	Diesel	
12. Crank Time Selection 1	1.2S(default)	0.9 S	1.5S
13.Engine Run time	15 min	25 min	
14.Short Run/Turbo	1 min	2 min	3 min
15 Interval of timer start	3hour	2 hour	1hour
16 Anti-rob ignition kill	OFF	ON	
17 Dome light delay duration	12s	35s	
18 Crank Time Selection 2	1.8S	2.0S	2.5S

Program Features

STEP1

In the disarming state

STEP2

Turn the Ignition Key to the "OFF" position

STEP3

Press and release the valet switch for 5 times

Four chirps from the Horn

Parking lights flash four times

Status LED goes off

STEP4

Press and release the valet switch the same number of times as the desired feature number of which is going to be programmed

Status LED Flashes the same number of times

STEP5

select the first option

Press button "🔒"

One chirps from the Horn

Parking lights flash once

STEP5

select the second option

Press button "🔓"

Two chirps from the Horn

Parking lights flash two times

STEP5

select the third option

Press button "🚗"

Three chirps from the Horn

Parking lights flash three times

Note: Repeat step4 and step5 for each feature to be changed. If no programming activity occurs within a 10 second period, the Features Programming Mode will expire.

1.Press Button 🔒 once: The siren chirps once. The system is armed. All zones are active. LED indicator blinks once and then pauses for 2.0 seconds and then repeats.

2.Press Button 🔒 a second time within 5 seconds: The siren chirps once again. The shock sensor zone is now bypassed. LED indicator blinks twice with a two-second pause and then repeats.

3.Press Button 🔒 a third time within 5 seconds: The siren chirps one more time. The Optional sensor zone (Microwave sensor zone) is now bypassed. LED indicator blinks three times with a two-second pause and then repeats.

4.Press Button 🔒 a fourth time within 5 seconds: The siren chirps one more time. The Shock sensor zone and Microwave sensor zone are now bypassed. LED indicator blinks four times with a two-second pause and then repeats.

5.Press Button 🔒 a fifth time within 5 seconds: The siren chirps one more time. The Shock sensor zone, Microwave sensor zone. Hood Pin Switch input and trunk pin switch input are now bypassed. LED indicator blinks five times with a two-second pause and then repeats.

Note: **Multi-Level Security Arming only applies to a single arming cycle. Once the system is disarmed and then re-armed, all the zones (inputs) will be active again.**

Disarming

Press button "🔓" for 0.5sec

Two chirps from the Horn

Parking lights flash two times

Doors are unlocked

Dome light is turned on
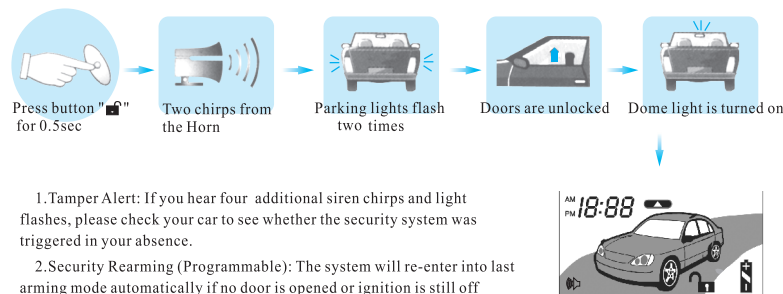
1.Tamper Alert: If you hear four additional siren chirps and light flashes, please check your car to see whether the security system was triggered in your absence.

2.Security Rearming (Programmable): The system will re-enter into last arming mode automatically if no door is opened or ignition is still off within 35s after disarmed by remote. This feature is to protect your car from theft even when your car is disarmed by accident.

Status Indicator goes out

3. Central Lock Automation (Programmable): This function enables your vehicle to automatically lock the doors upon pressing brake pedal after ignition is on and unlock the doors upon key off. During driving, you may also press button A to lock or button B to unlock without activating security mode.

4. Automatic Dome Light: The system will turn on the dome light every time you disarm your system. The dome light will go out 30 seconds later or immediately go out after you turn the ignition on.
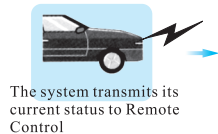
5. Passive Arming and Passive Locking: The system also can be programmed to arm itself automatically (call pass-ive arming). Once passive arming is enable, the system will arm itself in 40 seconds every time after the system "sees" you turn ignition off and leave your car by opening and closing the doors. If passive locking function is enable, the system will lock doors at the same time when entering passive arming.
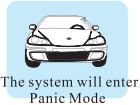
Query Function

Press button "🚗" for 0.5sec

The system transmits its current status to Remote Control

System status will be showing on the LCD screen and music tune will set off.

Panic Mode

Press button "🔒" for 2sec and then release

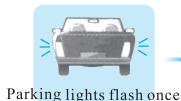Horn sets off alarm sound for 16sec

Parking lights flash for 16sec

The system will enter Panic Mode

To stop Panic Mode at any time, press button 🔒 for 2.0sec again or press button 🔓 for 0.5sec.
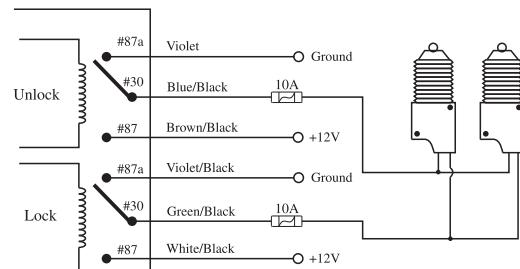
Trunk Release

Press button "🔓" for 2sec and then release

One chirp from the Horn

Parking lights flash once

Trunk is released

You may select whether disarm and unlock doors when trunk released by feature #9 of page 21 (trunk release function is suitable for cars with electric trunk opener)

Auxiliary Output (Programmable)

Press button "🚗" for 2sec and then release

Auxiliary channel 5 output

Turn on
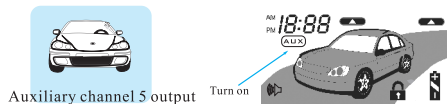
Auxiliary channel 5 output is programmed to output pulse of 0.5 seconds, 15 seconds or latched signal, reset with ignition.
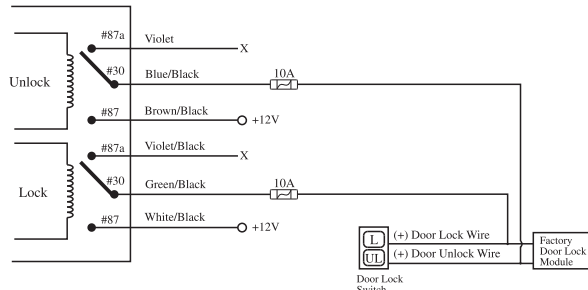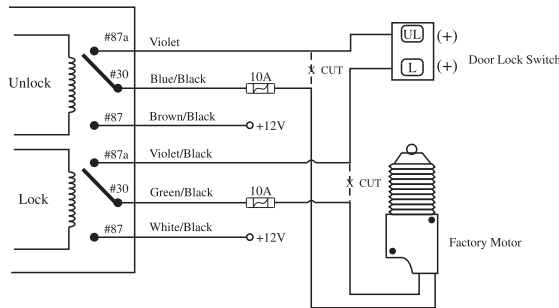
Adding Actuators

Unlock	#87a	Violet	Ground
	#30	Blue/Black	10A
	#87	Brown/Black	+12V
Lock	#87a	Violet/Black	Ground
	#30	Green/Black	10A
	#87	White/Black	+12V

Positive Multiplex

Unlock
- #87a Violet — X — Unlock resistor (IF required)
- #30 Blue/Black 10A
- #87 Brown/Black +12V

Lock
- #87a Violet/Black — X — Lock resistor (IF required)
- #30 Green/Black 10A
- #87 White/Black +12V

Door Lock Switch Key Cylinder
+12V CONSTANT FUSED
Lock / Unlock

BCM

Negative Multiplex

Unlock
- #87a Violet — X — Unlock resistor (IF required)
- #30 Blue/Black 10A
- #87 Brown/Black — Chassis Ground

Lock
- #87a Violet/Black — X — Lock resistor (IF required)
- #30 Green/Black 10A
- #87 White/Black — Chassis Ground

Door Lock Switch Key Cylinder
Chassis Ground
Lock / Unlock

BCM

Left Column — System Installation

Positive Triggered, Relay-Driver System

Wiring labels: #87a Violet — X; #30 Blue/Black — 10A; #87 Brown/Black — +12V; #87a Violet/Black — X; #30 Green/Black — 10A; #87 White/Black — +12V. Unlock / Lock. Door Lock Switch: L / UL — (+) Door Lock Wire / (+) Door Unlock Wire — Factory Door Lock Module.

Reverse Polarity

Wiring labels: #87a Violet; #30 Blue/Black 10A — CUT; #87 Brown/Black +12V; #87a Violet/Black; #30 Green/Black 10A — CUT; #87 White/Black +12V. UL (+) / L (+) Door Lock Switch. Factory Motor. Unlock / Lock.

Vacuum Type

Wiring labels: #87a Violet; #30 Blue/Black 10A; #87 Brown/Black — Ground; #87a Violet/Black; #30 Green/Black 10A — CUT — Vacuum Pump; #87 White/Black +12V. L / UL Door Lock Switch. Unlock / Lock.

Right Column — Features Description

Remote Engine Start (Must Need Remote Start Module)

In arming state → Press button "✳" for 0.5sec Then press button "🔊" for 0.5se → One chirp from the Horn → Parking lights flash once → Enter the engine-starting sequence

When successful started, Horn sounds once → Parkinglights flash once → Air-conditioner begins to work for 15 or 25 minutes duration → Rolling
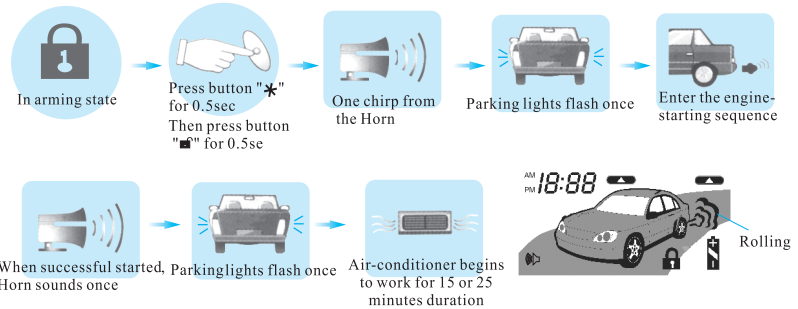
Note: 1. The parking lights will flash every 30 seconds during the engine is running
2. Never start the vehicle if it is not in either PARK or NEUTRAL position and never forget to activate the parking brake before remote start.
3. In gasoline vehicles, the engine will wait 6 seconds to start after the parking lights flash. In diesel vehicles, the engine will start when the WAIT-TO-START indicator on the vehicle's dash goes out.
4. It is unsafe to remote start the vehicle in a garage or other enclosed area. Breathing the exhaust from the vehicle is hazardous to your health.
5. For manual transmission vehicles, only when you've been setting the reservation mode, you can start your vehicle.

How to Drive Your Remote Started Vehicle:

1) Press button 🔊 0.5s to unlock and disarm and open the door.
2) Insert the ignition key and turn it to the ON (not the START) position in 30 seconds.
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.

Remote shut down:

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 shut-down inputs:
1) The brake pedal is pressed.
2) The hood is opened.
3) The pre-programmed run time (15 or 25 minutes) has elapsed.
4) Press button ✳ and button 🔊 again.
5) The TACH or Oil sensor or High voltage signal disappear.

The system senses the neutral transmission gear position automatically and there is no prior set-up required if cutting the loop wire at rear part of the main control unit.

The system in the standard transmission vehicle operates as following process when you exit the vehicle to sense and memorize the neutral transmission gear position. If the vehicle are of automatic transmission gear, this process is omitted.

1. Even if you pull off the lgnition key from the key cylinder after driving, engine contnues running for further 1 minute from the time of pulling off the lgnition key.

2. Exit from the vehicle within 1 min. after pulling off the lgnition key. The engine still continues running and it is normal operating process.

3. Open the doors and close the doors, the engine shuts down immediately and the system sets off a beep sound with a light flash to indicate that engine start memorizing is successful.

4. Press button 🔒 to lock the doors and the sysytem is now ready for next remote engine start.

If the doors are opened after above process, the prior memorization for the next remote start sequence is deleted and the function shall not work until you repeat above process again.

To cancel above prior memorization process for remote engine start sequence.

(A).Method 1

Pull off the lgnition key while the driver's side door is opened and the Dome Light stays turned on. Then, the enging shall be shut down immediately and prior-memorization for the next engine start is cancelled.

(B).Method 2

Pull off lgnition key while stepping the brake pedal, doors are unlocked and then,the enging shall be shut down immediately and prior-memorization for the next engine start is cancelled

Pin 4: GREY WIRE: Hood Pin Input (-). Connect this wire to the hood pin switch. The switch must supply a ground output(-)when switch is opened. This input will disable or shut down the remote start when the hood is opened. It will also trigger the security system if the hood is opened while the system is armed.

Pin 5: BROWN WIRE: Brake Input (+). Connect to the wire that shows +12V when pressing the brake. The brown wire is a safety shutdown wire that must be connected.

Pin 6: YELLOW WIRE: (+) Ignition Input of the Key Cylinder to Alarm. Connect to the ignition wire that provides +12V when the ignition is on and while cranking the starter.

Pin 7: GREEN WIRE: Negative Door Input (-). Most vehicles use negative door trigger circuit. Connect the green wire to the wire that shows ground when any door is opened. In vehicles with factory delays on the dome-light circuit, there is usually a wire that is unaffected by the delay circuit.

Pin 8: PURPLE WIRE: Positive Door Input (+). Connect to the door switch circuit wire that shows +12V when any door is opened. This type of door circuit is usually found on Ford Vehicle.
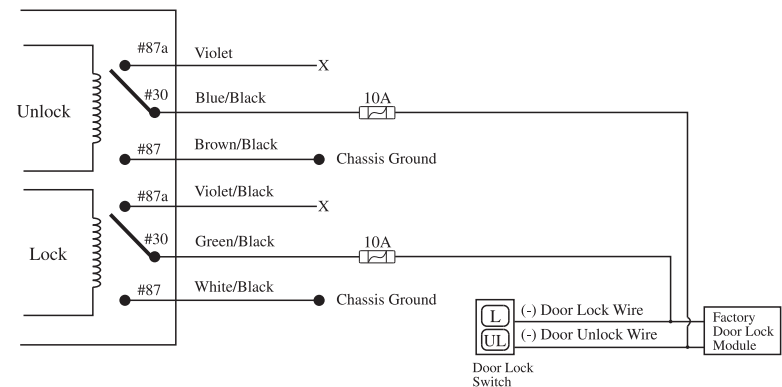
Peripheral Plug-in Connectors

7-PIN White Connector: Two-way Transceiver Communication Port

3-PIN Black Connector: Optional Sensor Input port, for example, the Microwave Sensor.

2-PIN White Connector: LED Port. Mount LED in an area where it may be easily seen from either side of the vehicle.

Door Lock Wiring Diagram

Negative Triggered, Relay-Driver Systm

Pin4: Blue/Black: Unlock #30 Common (Output)

Pin5: Brown/Black: Unlock #87 Normally Open (Input)

Pin6: Violet/Black: Lock #87a Normally Closed

Pin7: Green/Black: Lock #30 Common (Output)

Pin8: White/Black: Lock #87 Normally Open (Input)

Pin9: Red: Constant +12V Input. Connect this wire to the battery or Constant Power wire at the Ignition Switch with a 15Amp Supply.

Pin10: Black: System Ground. Connect this wire firmly to the Chassis Ground.

6-pin Secondary Harness for Outputs(H2)

Pin 1: ORANGE WIRE: Armed Output (-) 500mA. The orange wire supplies a ground output while armed to activate a relay for starter defeat and anti-grind protection.

Pin 2: BLUE WIRE: Second unlock (passenger unlock)output (-) 200mA This system is equipped with a dedicated passenger unlock output allowing two stage door lock operation. When connected this wire, disarming the system will unlock only the driver s door. Pressing the disarm button again will unlock all doors..

Pin 3: WHITE/BLACK WIRE: Auxiliary Channel 5 Output (-) 200mA. This wire provides a (-) 200mA output whenever the transmitter button ☁ is pressed for 2S. This output can be programmed to provide the follo wing types of outputs:
a.0.8-second timed: Output that will send a ground pulse of 0.8 second.
b.15-second timed: Output that will send a ground continuous pulse for 15 seconds.
c.Latched,reset with ignition: Output that will send a signal when the Channel 5 button (button ☁) is pressed and will continue until the same button (button ☁) is pressed again. It additionally stops output whenever the ignition is turned on.

Pin 4: PURPLE/BLACK WIRE: Auxiliary 4 Output (-)500mA for windows rolling-up option. Connect to a power window module.

Pin 5: BLACK/WHITE WIRE: Dome Light Output (-) 500mA. Connect to the wire that activate the vehicle's dome light, usually the door pin switch wire. Note: the dome light output can usually connect to the same wire used for the door trigger input (see purple and green door input wire).

Note: This output is only intended to drive a relay. It can not be connected directly to the dome light circuit, as the output cannot support the current draw of one or more light bulbs.
Never use this wire to drive anything but a relay or a low-current input. The transistorized output can only supply 200mA of current. Connecting directly to a solenoid, motor, or other high-current device will cause it to fail.

Pin 6: RED/WHITE WIRE: Vehicle Trunk Release Wire (-)500mA. Connect this wire to the electronic trunk opener. (Relay may required).
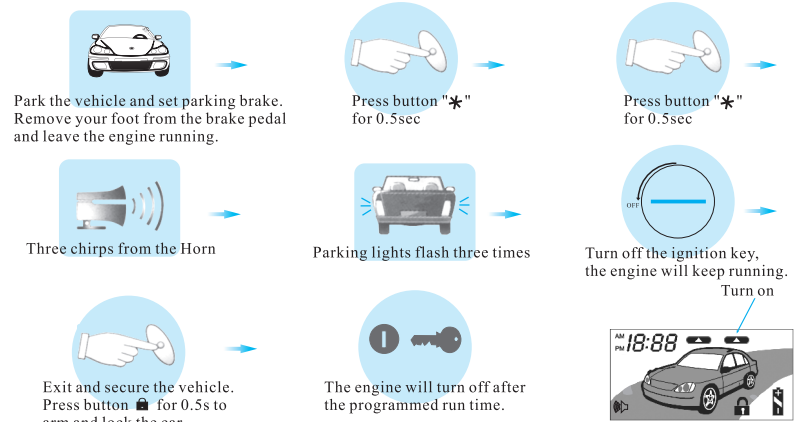
8-pin 2510 Harness for Inputs and Outputs(H3)

Pin 1: GREEN/BLACK WIRE: Factory Disarm Output (-) 500mA. This wire provides a ground output on disarming and before remote starting to disarm a factory security system. Connect to the wire that requires a ground pulse to disarm the factory security system.

Pin 2: GREEN/WHITE WIRE: Factory Rearm Output (-) 500mA. This wire supplies a ground output on remote start shutdown to rearm a factory security system. Connect to the wire that requires a ground pulse to rearm the factory security system.
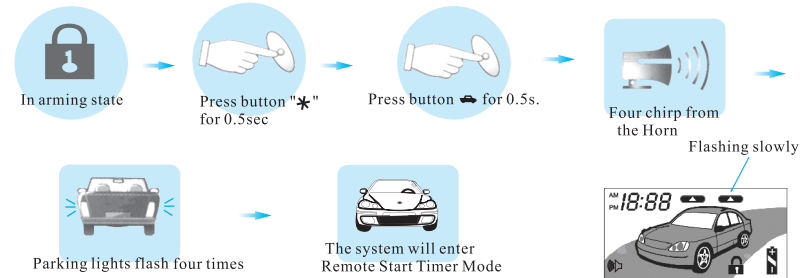
Pin 3: RED WIRE: (+)Locate the wire which is usually connected to the Oil Sensor on the dashboard or to the alternator in the engine compartment and connect this wire. 2-3V shows on the multimeter when the ignition key is turned to second turn position in the key cylinder and +12V-+14V shows when the starter motor is running.

Turbo/Short Run

Park the vehicle and set parking brake. Remove your foot from the brake pedal and leave the engine running.

Press button "✳" for 0.5sec

Press button "✳" for 0.5sec

Three chirps from the Horn

Parking lights flash three times

Turn off the ignition key, the engine will keep running.
Turn on

Exit and secure the vehicle. Press button 🔒 for 0.5s to arm and lock the car.
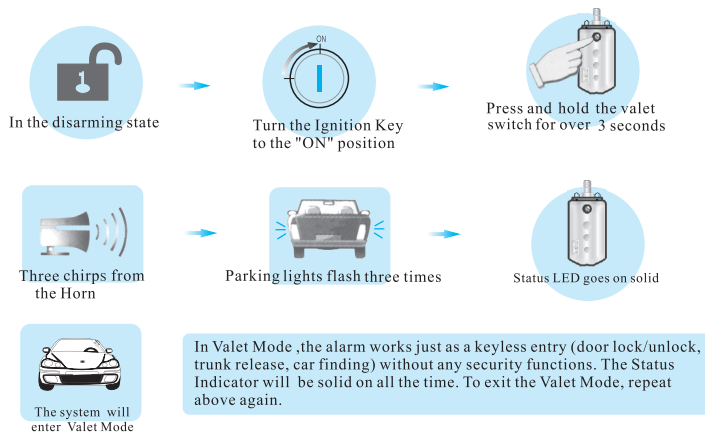
The engine will turn off after the programmed run time.

Note: Once you activate the short-run turbo mode, the system will remain this mode always. If you don t want this mode any more, press button ✳+✳ again to cancel it anytime.

Remote Start Timer Mode

In arming state

Press button "✳" for 0.5sec

Press button ☁ for 0.5s.

Four chirp from the Horn
Flashing slowly

Parking lights flash four times
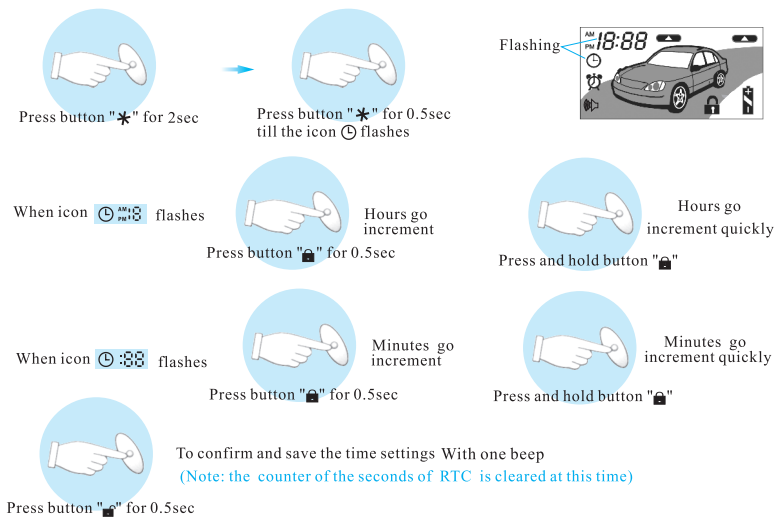
The system will enter Remote Start Timer Mode

1.In this mode, the system will start the engine every 3, 2 or 1 hours byoptions, for a maximum of six cycles. The engine will run for the programmed run time and then shut down to keep engine warm in the cold weather.
2.The remote start command ✳+🔓can shut down the engine in timer mode, but the system will remain in the timer mode.
3.To exit timer mode, press button 🔓 0.5s to disarm the system, turn the ignition key on and then press the brake pedal or press button ✳ 0.5s and then button ☁ 0.5s again.
4.If any other shut down zones or alarm has been triggered, the timer mode will cancel.

Valet Mode

In the disarming state

Turn the Ignition Key to the "ON" position

Press and hold the valet switch for over 3 seconds

Three chirps from the Horn

Parking lights flash three times

Status LED goes on solid

The system will enter Valet Mode

In Valet Mode ,the alarm works just as a keyless entry (door lock/unlock, trunk release, car finding) without any security functions. The Status Indicator will be solid on all the time. To exit the Valet Mode, repeat above again.

Correction of Real-time Clock

Press button "＊" for 2sec

Press button "＊" for 0.5sec till the icon ⊕ flashes

Flashing

When icon flashes

Hours go increment

Press button "🔒" for 0.5sec

Hours go increment quickly

Press and hold button "🔒"

When icon flashes

Minutes go increment

Press button "🔒" for 0.5sec

Minutes go increment quickly

Press and hold button "🔒"

To confirm and save the time settings With one beep
(Note: the counter of the seconds of RTC is cleared at this time)

Press button "🔒" for 0.5sec

Harness Description

5 Heavy Gauge Starter Harness in the Starter Module (Ignition Switch Interface)

Purple Wire: Starter Output (+). Connect to the vehicle's starter wire.

ORANGE WIRE: Accessory Output (+). Connect to the accessory wire coming from the ignition switch that supplies power to the heater/air-conditioner. Some cars may have multiple accessory wires.

PINK WIRE A: Ignition Output (+). Connect to the main ignition wire that provides +12V when the ignition is on and while cranking the starter.

PINK WIRE B: Second Ignition Output (+). Connect to the second ignition wire of the vehicle.

RED WIRE: Main Power Input (+). Connect to the battery or constant power wire at the ignition switch with a minimum 30 Amp supply. <u>Remove the fuse until the installation is completed and all wiring is checked.</u>

7-pin Connector Secondary Harness for Remote Start(H4)

Pin1-3: Factory wiring to the remote start module.

Pin4: BLUE/WHITE WIRE: (-)200ma bypass output when remote start. Connect this wire to the interface of Remote Start Bypass Module.

Pin 5: GREY/ BLACK WIRE: Diesel wait-to-start bulb input. (+) Connect this wire to the wire in the vehicle that sends the signal to turn on the WAIT-TO-START bulb in the dashboard. In most diesels, the wire is negative (ground turns on the bulb) and the GRAY/BLACK wire can be directly connected to the wire in the vehicle. If the vehicle uses a positive wire (12V to turn on the bulb), you may add external relay to change the polarity .

Pin 6: BLACK/WHITE WIRE:(–) Neutral Safety Switch Input. Connect this wire to the PARK/NEUTRAL switch in the vehicle. This wire will test with ground with the gear selector either in PARK or NEUTRAL. 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 or NEUTRAL. You may also connect this wire to the Parking Brake Switch.

Pin 7: VIOLET/WHITE WIRE: Tachometer Input/Constant power Input (Optional)wire. This input provides the module with information about the engine's resolution per minute (RPMs). Connect to the vehicle's tach wire. Common locations for a tachometer wire are the ignition coil, instrument cluster, fuel injectors, or engine computers. The correct wire shows between 1V to 6V (AC) and fluctuates with the idle of the engine when testing with a multi-meter capable of testing AC voltage.

Note: This wire has the same function with the Constant power sensing input, so it is a alternative solution when Tachometer input does not supply satisfactory operation. If connect to the Constant power sensing input,It is a easy way to sense if remote start has been successful(Tachless Method).

10-Pin Connector Primary Harness (H1)

Pin 1: BROWN WIRE: Siren Output (+). The brown wire must connect to the red wire of the siren. The black wire must be grounded.
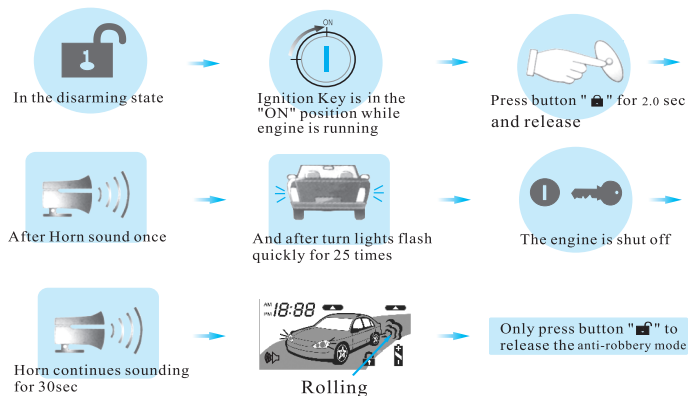
Pin 2: WHITE WIRE: Parking Light Output (+/-) Relay. Connect this wire to the circuit that shows +12V or ground only when the parking lights are on and set the internal parking light relay jumper to the proper polarity. For parking light circuits exceeding 10 Amps, a relay is required. For vehicles with independent left and right parking light circuits, diodes must be installed to keep the circuits separate.

Note: Do not connect the white wire to the vehicles headlight circuit.

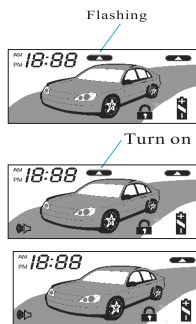**Pin3: Violet:** Unlock #87a Normally Closed

Anti-Robbery

In the disarming state

Ignition Key is in the "ON" position while engine is running

ON

Press button " 🔓 " for 2.0 sec and release

After Horn sound once

And after turn lights flash quickly for 25 times

The engine is shut off

Horn continues sounding for 30sec

Rolling

AM
PM 18:88

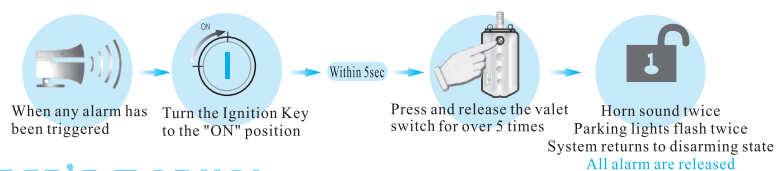Only press button " 🔓 " to release the anti-robbery mode

NOTE: If set the feature #16 of page 21 to option 1, the engine will not be shut-off, but horn keeps sounding and turn lights keep flashing for 30s.
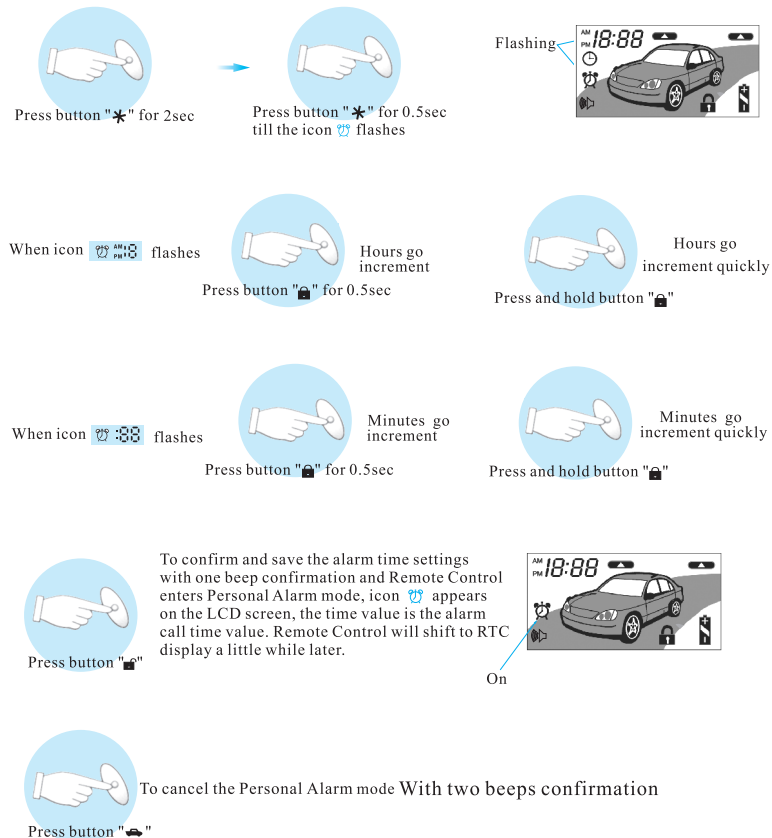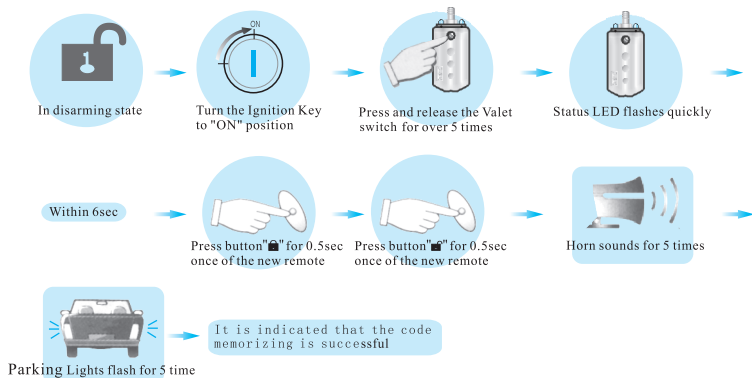
Back Light Illumination ON/OFF

Flashing

Press button " ✳ " for 2sec

Press button " ✳ " for 0.5sec till the icon ♡ flashes

AM
PM 18:88

Turn on

Set the backlight illumination on mode

Press button " 🔓 "

AM
PM 18:88

Set the backlight illumination off mode

Press button " 🚗 "

AM
PM 18:88

Disarm the System Without Remote Control

When any alarm has been triggered

Turn the Ignition Key to the "ON" position

ON

Within 5sec

Press and release the valet switch for over 5 times

Horn sound twice
Parking lights flash twice
System returns to disarming state
All alarm are released

Time set-up for Personal Alarm

Press button " ✳ " for 2sec

Press button " ✳ " for 0.5sec till the icon ♡ flashes

Flashing

AM
PM 18:88

When icon ♡ AM PM 8 flashes

Press button " 🔓 " for 0.5sec

Hours go increment

Hours go increment quickly

Press and hold button " 🔓 "

When icon ♡ :88 flashes

Press button " 🔓 " for 0.5sec

Minutes go increment

Minutes go increment quickly

Press and hold button " 🔓 "

To confirm and save the alarm time settings with one beep confirmation and Remote Control enters Personal Alarm mode, icon ♡ appears on the LCD screen, the time value is the alarm call time value. Remote Control will shift to RTC display a little while later.

Press button " 🔓 "

AM
PM 18:88

On

To cancel the Personal Alarm mode With two beeps confirmation

Press button " 🚗 "

Note:Alarm beeping will be activated when time reaches the setting alarm time and Remote Control will remain in the Personal Alarm mode automatically. If you want to exit Personal Alarm mode, just press button " ✳ " for 2sec and then press" ✳ " for 0.5sec till the icon ♡ flashes, and press button " 🚗 "to cancel PAC Mode.

Code Memorizing of Remote Control

In disarming state → Turn the Ignition Key to "ON" position → Press and release the Valet switch for over 5 times → Status LED flashes quickly

Within 6sec → Press button"🔒" for 0.5sec once of the new remote → Press button"🔓" for 0.5sec once of the new remote → Horn sounds for 5 times

It is indicated that the code memorizing is successful

Parking Lights flash for 5 time

Note:
a: The Remote Control's code has been memorized in the factory , you do not need to memorize it unless you lose the
   Remote Control and obtain a new one or you want to buy one more Remote.
b: The system can memorize at most two Remote Controls.
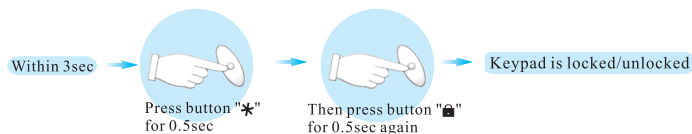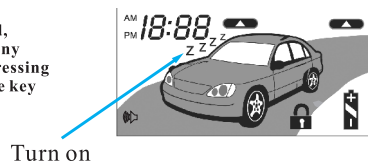
Key Lock Function of Remote Control

Within 3sec → Press button "✳" for 0.5sec → Then press button "🔒" for 0.5sec again → Keypad is locked/unlocked

Figure shows the keypad is locked, when keypad is locked, pressing any key will not be activated unless pressing the ✳+🔒 combination to cancel the key lock mode.

Turn on

Installation Adjustment for Shock Sensor

The shock sensor is built in the communication unit. You can adjust the shocking sensitivity by changing the position "H" , "M" , or " L" of the adjustment switch on the communication unit.

Door Status Warning (Programmable)

The lights will flash to inform you that some door is not closed well. When temperately parking, such flashing may warn coming cars to take care. It is suggested to cancel this feature when your car has a dome light delay.

Automatic Windows Rolling-up

This system supplies a windows rolling-up feature. The system will roll up all the windows at the arming command to ensure safety of your vehicle. (A windows rolling-up module may be necessary. Please contact your local dealer for details)

Status Memory

This system may remember the status before power off so as to restore the former working status such as arm mode 、disarm mode and Valet mode, even if the power supply is destroyed.

Smart LED Indicator

In arming status: LED flashes the same number as the times of pressing button 🔒 within 5 seconds.
In turbo state: LED stays solid for 2 seconds, then pause for 2 seconds.
In valet mode: LED stays solid.
ACC, Door, Hood/Trunk triggered: LED stays solid for 0.5 seconds, then pause for 0.5 seconds.

High Frequency

Your system remote control and communication unit are produced by FM technology at 433Mhz. This provides a cleaner spectrum with less interference and a more stable signal. Enjoy a phenomenal increase in range, even in areas with high radio interference.

Code Hopping

This system uses code hopping technology to increase the security of the alarm. In case the remote falls out of sync with the main control unit, it will fail to operate the system. To re-sync the system, please remove the battery of the remote, wait for 10 seconds and re-power the remote again, and then press button 🔓 , the alarm will automatically re-sync and respond to the remotes normally.