Chapter One: Summary

Thank you for choosing the watchdog the most advanced security system on the market today. Please read the user manual carefully before installation and operation. We believe our security system embodies the highest available features and most advanced functions available in our industry.

Chapter Two: Main Features

1) Compact design, Orange back light for nightvision, Big LCD Screen Display.
2) Voice Instruction for easy operation.
3) Self-check functions, checks once every 12 hours to the alarm center for the system status (optional function)
4) Anti-tampering alarm: If anyone tries to tamper with alarm siren will sound.
5) Telephone line anti-cutting function: If someone cuts the phone line the siren will immediately sound.
6) Built-in rechargeable lithium battery with high capacity; will last for 72 hours.
7) Low power alert: Alarm panel will identify if backup/sensors battery is low.
8) 40 zones LCD display (32 wireless & 8 wired). Double-Zone technology Will allow you to put more than one wireless sensor on 1 zone. Also will allow you to put multiple wired sensors on one zone/input.
9) Learning code: Simply enter equation into keypad then activate sensor and the alarm panel automatically learns that sensor. This makes it very easy to add sensors later.
10) 3 groups of timely arming/disarming the alarm system= System will set itself and disarm itself at 3 different programmable time intervals per day.
11) Program siren duration from 1 to 30 minutes
12) Program arm/exit delay from 0 to 99 seconds= Gives you time to leave before alarm sets.
13) Program disarm/entry delay from 0 to 99 seconds= Time to arrive/disarm.
14) Off Premise Control= Dial in and completely control system.
15) Mute Siren Function= Alarm goes off with silent alarm.
16) Listening in function= Ability to listen into system to prevent false alarms.
17) Can record 10 seconds voice message (optional)
18) Emergency help signal real-time check function.
19) Can record 100 event logs.
20) AC/DC power auto switch function.
21) Will work with Ademco monitoring center (optional function)
Chapter Three: Installation

3.1 Working Elements and Function:

- Booster Siren: 120Db Additional booster siren for an increase in db's when needed.
- Dual Technology PIR Motion sensor Horizontal beam prevents false alarms.
- Gas Leakage Detector: (Optional) This will detect any gas leak and will immediately sound siren and dial out on a 24 hour loop.
- Door/window sensor transmitter and one magnetic part, if the distance is over 1.5cm between these two parts, then it will send signal to the central panel.
- Smoke detector: Will detect fire and will immediately sound siren and will dial out on a 24 hour loop.
- Key Chain Remotes: They arm/disarm the system & have a panic button.
- Back-Up battery DC9V 300mA

3.2 Installation and Caution for Main Panel:

- Wired Connections: (Optional) System will support 32 wireless sensors as well as 8 hard wired sensors.
- Back Up battery: Will operate system for 72 hours without power.
Remove the green terminals so you can plug in power, phone & the booster siren.

**Bypass:** When you want to disarm certain sensors separately, press Backspace + 7 then your password (1234 unless changed) or press ⬠ (lightning button) twice on the blue remote controllers. To assign the bypass function to certain sensor so the above command will only bypass these specific sensor only do the following: Hit Sensor + passcode (1234 unless changed) + # then hit the 8 button for down, then use the 2 and 8 button to scroll through the numbered sensors, once upon desired sensor press the mode button (6) until it says "bypass" (Arm) next to the numbered sensor. There now you have assigned bypass to that sensor now press quick exit.

**Arm:** When you want to activate this system, press Quick Exit + * (Asterik) at the same time on the main panel, and then input the password (1234 unless changed) or press ⬠ on the blue remote controller.

**Disarm:** When you want to de-active this system, press set + 1 at the same time on the main panel, and then input password (1234 unless changed), or you could press ⬠ on the remote controller.

**Panic alarm:** Press SENSOR + 4 on the main panel, and then input the password, or press ⬠ on the remote controller.

**Installation for Main Panel**
A. Take Out Green Terminals(see picture) then insert the siren into the siren jack.
B. If you need to connect any wired sensors, (not normal) please go to chapter 3.7.
C. Connect the adapter with the central panel. At this time, you will hear one short "Beep" sound, the power indicator light lights up. Initialization time is about one minute. The Armed LED flashes when unit is in normal operation.
D. Install the control panel on the wall using the y bracket and put the telephone line into LINE 1.

**Notice for Main Panel Installation:**
A. Install the alarm system in a wide open area to make it easy to receive the signals from all sensors.
B. Install the control panel in a hidden place, where it cannot be easily found.
C. Do not install this system near high frequency electric appliances as to avoid interference of electromagnetic signals.
D. Install this system at least 4 feet from the ground for signal efficiency.
3.3 Installation and cautions For Door/Window Sensor:

Door/window sensors consist of one big part (transmitter) and one smaller piece called a magnet. This can be used on doors, windows or cabinets. Once the magnet is separated from the transmitter it will send signal to control panel and sound siren to start dialing.

A. When the power of transistor is low the lower led light will stay lit red. In the event of this situation, please charge the battery as soon as possible. (Battery is 12V,23A type battery & can be found cheap online or more costly at your local electronical store)
B. It is recommended to make the distance between accessories and the central panel to be at most 250 feet. Distances from 250 feet to 400 feet will require the antenna to be extended fully. Wireless signals can go through solid objects like concrete or brick.
C. All sensors/components should be installed free of rain and humidity.
D. It does not matter what part of door/window sensor is on the door or door frame, as long as the magnet is on the same side of the transmitter that the two led lights are on. It's recommended you test weekly for efficiency.

3.4 Installation For The Motion Sensor:

A. The wall for installing the motion detector should be a strong steady wall. Install the motion in a central location so that the motion area hits all major paths of home. (For example a major hallway)
B. Do not install more than two motion detectors in the same area as this could be a contributor to false alarms.
C. Do not install the motion directly by vents of airflow, curtains that move or directly by ceiling fans as these could cause false alarms.
D. Do not install the motion detector in direct sunlight.
E. When the detector is installed in a high temperature area, please make sure the motion detector faces the area where the temperature is lowest in this detecting area.
F. When there is a lot of interference, please reduce the sensitivity by reducing the operating range to 4-8M.
G. To install mount to motion unscrew bottom screw off motion. Unscrew the screw in the middle of the green motherboard and gently unpry it. You'll see a hole in the back of the motion. Take mount and use screw in it to mount to back.
H. To adjust motion for pets simply adjust mounting to give the ground more ground clearance for pets. Also you can open motion up and decrease the sensitivity by adjusting via jumper from upper middle part of motherboard. There you will see 4-8, 5-12 and 9-18 meters, simply lower it via black jumper.
I. Don't forget by simply hitting the lightning button on the blue remote twice will disarm motions (& any sensors bypassed) and leave all other sensors on.

3.5 Installation for Smoke Detector

1. Working Procedure:
The smoke is on a 24 hour loop, meaning it does not matter if system is armed or disarmed the smoke detector is always on. When there is a fire the smoke detector will sound then alert panel and sirens blast and alarm dials out.

2. Installation

We recommend that you put a smoke detector in each room of your home in a central location. We also recommend testing the unit once a week for continued efficiency.

3. Warnings:
(1) Do not install smoke detectors near air vents or any high volume air flow.
(2) Should place it 0.75 meters from wall corner;
(3) Dustproof and humidity proof;
(4) To maintain the distance between the main panel in its effective range;

3.6 Installation for Gas Leakage Detector: (Optional)

1. Working Procedure:
When the gas leakage sensor detects gas it will start beeping and then send signal to control panel then all sirens will blast and the unit will dial out.
2. Installation

(1) Gas Leakage Detector should be installed with in 4 feet of any gas producing devices. Gas Leakage Detector needs to be plugged into a power source. Test unit weekly. You can press the black button on the unit while plugged in for sound. Then to complete test while unit is plugged in put it beneath a running car/truck exaust, the CO2 should set off gas leakage detector for an alarm event.

(2) Liquid Petroleum gas is heavier than air, in this instance the gas leakage detector should be mounted minimum of 1 foot from the ground. Natural Gas is lighter than air and in this instance detector should be mounted minimum one foot from the ceiling.

(3) Once plugged in initialization is about 3 mintues. The power source needs to be a normal 110V outlet.

3. Warnings:

(1) Do not install unit outside.
(2) Do not install the detector near air in takes, exhaust fans or near air vents/areas of high air velocity.

(3) Do not install unit in areas of high humidity.

(4) Install unit so it has clear path to the source of the gas.

(5) Do not use heavy amount of spray glue, pesticides, adhesives or diluents such as alcohol near the detector to avoid damaging the sensor components.

3.7 Installation for Wired Sensors (Pre-existing in home)

Chapter Four: Test to make sure panel dials out.

Plug power into control panel unit will make one beep and the armed indicator will light up. Press 3, then press *password* + #, and press 2 to scroll up, go to spot #3. Do not put your phone numbers starting with spot #1 or spot #2 as they are for monitoring centers ONLY. Once you are at spot #3, hit backspace and # at the same time to get to display to clear where a phone number can be entered. Then enter your phone number with area code if necessary and hit the # button. This is your first number to add additional phone numbers simply scroll to spot #4 and repeat the process.
If you made a wrong operation please try again:
After you have set up the telephone Numbers go ahead and press on the remote controller, the system will dial the phone Number you preset and the communication indicator on the main panel will flash fast. When receive the call from the system, please refer to page 19 and use functions to control system off premise. Page 19 Section: How to control system from phone call.

Chapter Five: Operation for Remote Controller

Arm (Arm the System)
Bypass Arm (Set certain specific sensors to bypass mode)
Disarm (Disarm the whole alarm system)
Panic button (Emergency)

Chapter Six: Function settings and Programming

6.1 Arm, disarm and alarm

Arm: Unit is in armed state and arm light will stay lit. Any programmed accessory that is tripped will send signal to control panel and sound sirens and will dial out all pre-programmed phone numbers.

Disarm: When the alarm host is disarmed, all sensors will be off with the exception of the sensors on a 24 hour loop. (EMC/RT on the digital display) For example all smokes and Gas Leakage Detectors are on the 24 hour loop so that even when the system is disarmed they are always on.

Alarm: When the alarm host has been triggered, it will dial preset phone numbers and continue cycling through all phone numbers until someone disarms the unit on their phone and hits # to discontinue it dialing anymore.

Bypass: To bypass a sensor (leave off if armed) simply hit the Sensor button then password then #, then hit 8 to scroll, then use 2 and 8 to scroll up & down. Once your at the desired sensor, hit the MODE button until it says bypass/arm in the display, then hit quick exit to get out. Now that sensor is on bypass.

When you arm the system in BYPASS MODE that sensor will stay off or bypassed.

To arm the system in bypass mode either hit the BACKSPACE button and the 7 button at the same time then password + #, or hit the lightning button twice on any of the keychain remotes. You will hear a double beep from the keypad.

Note: If you would like the keypad to not beep when you press a button on the keypad remote simply turn the COMPOUND SIREN OFF, refer to page 12.

To get to know the digital display please review the following legend for each symbol:

Symbol:

_sound: When this symbol is present siren is on and will sound when alarm is tripped.

_bell: When this symbol is present a beep will sound from keypad when a remote button is pressed. (Compound siren ON) When it is not displayed no beep will sound.

Ring times: The number of rings (programable) you want the system to answer for controlling the system from your cell phone.

EMC/RT: This is the symbol for 24 hour zone. A 24 hour zone means a sensor will be armed all the time no matter if the system is armed or disarmed. Perfect for a gun cabinet for example. All Smokes and Gas leakage detectors will be automatically set to 24 hour zone when programmed in. All other sensors will that you want on 24 hour zone will have to manually set to EMT/RT on digital display. (To learn how to do this review page 9's HOW TO CHANGE MODE OF SENSORS.)

Alarm Tele: When the system is tripped and the keypad dials out this will appear to the left of the programmed in phone number(s).

PIR: This is the symbol for the Motion Detector.
Smoke: Smoke Detector    Door sensor: Door/window Sensor

AIR: This symbol is for the Glass Break Detector.

Gas: Gas detector

Timing: This will be displayed when your programming in what time you want the system to arm itself or disarm itself. Refer to page 15 on set arm and disarm time for instructions.

Delay:"Arm Delay"= How many seconds you want once system is armed to leave home.
"Alarm Tel. Delay"= How many seconds you want once you enter home to disarm system.

Arm: System is armed    Disarm: System is disarmed.

The password comes to you as 1234. Always write down the password you change it to as not to forget it. If you forget the passcode all is lost as there is no way to reset the system without the current passcode. Once the system has the below screen asking for the passcode please enter it and then hit #.

Password to be entered (shown as above): the cursor on the right corner twinkles until the 4-digital password is input. If you enter the wrong digit you can always hit the BACK SPACE button to clear the digit and start over.

If the password is invalid, the backlight will go off and the control unit will return unit will return to the previous step; if it is the correct passcode it will go to the correct function. When your finished simply press QUICK EXIT to get back to the main screen.

6.2 How to program Alarm Telephone Number

How to set Alarm Telephone Numbers:

In the normal working condition, press 3, and input password then hit # notice the bottom picture is displayed.

“At” indicates the sequence of the current phone number (6 groups of telephone number Max.) Press UP or DOWN to scroll through each spot for each phone number. Start putting your phone numbers in SPOT #3 AND UP. SPOT 1 & 2 ARE FOR MONITORING CENTERS ONLY. Press # and BACK SPACE at the same time to clear out the screen so you can enter your first phone number in, then press #.

Then after spot #3 enter next number to dial as spot #4 and so on.

If it is necessary to dial your area code please enter this in as part of phone number. Once the # and BACK SPACE button has been pressed at the same time the screen will look like the below picture. Again start at Spot # 3 and up not Spot # 1.

You will see “.” on the right corner flashing, now you can enter you phone number then hit # to confirm.
How to Delete Alarm Phone Number:

If you want to delete one group of numbers, return to the phone number input page, press BACK SPACE and then press CONFIRM at the same time and the phone number will be deleted.

6.3. How to program wireless sensors:

This product adopts LEARNING MODE technology. Simply enter the one equation into the keypad and then activate the sensor and it automatically learns that sensor immediately. The standard is that each sensor be placed on its own zone, however it is possible to put multiple sensors per zone.

How to learn the wireless sensors to the keypad:

Learning Mode is most efficient that each sensor is learned to a particular keypad. This way no other system can interfere as each sensor is learned or assigned to that particular keypad. Make sure the batteries are in sensors or if its the glass break the power supply is plugged in before you enter in learn equation.

The LEARNING EQUATION is as follows:
When the host is under the normal working status, press the SENSOR + password and press CONFIRM, the following picture will appear:

Digit “0-7” will show the setting as following:
0: (00) Water Sensor (available in hardware)
1: (01) Emergency (here means Emergency from Remote Controller)
2. (02) PIR (PIR detector, PIR curtain detector, Pet Immune PIR detector etc.)
3. (03) Door sensor, Rolling Door sensor etc.
4. (04) This is for the Glass Break.
5. (05) Gas Leakage detector
6. (06) Smoke Detector

Press corresponding digit keys, the system will enter the corresponding Set-up menu, for e.g. press 1 to choose Emergency. The following remote controller studying interface will appear:

<table>
<thead>
<tr>
<th>EMC/RT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

the “-” glittering symbol on the right corner of the screen means which defense zones you would like to assign each sensor. For example if 22 is chosen then “22” indicates the 22nd defense zone for that particular sensor. It is completely up to you to choose what zone, it does not matter.

For example: the remotes are always learned to zone 01. So you would use the learning equation SENSOR + PASSCODE + # then you would choose 1 (for EMC/RT) cause remotes have a panic on them, then you would press 01 for zone number 1 then hit #. Now you will have about 20 seconds to hit a button on the remote, then keypad will beep 2 times to confirm it is correct, 3 quick beeps means try again it was wrong.

After you have entered the learning equation and zone number and have pressed # the screen will look like this while waiting for you press a button:
“—.—.—.—.—.—.—.” rolls. Press the button or activate the sensor, you will hear a double ‘beep’, this confirms success; if you hear three quick beeps, the operation is wrong or your over-time. Re-input the order. The system will auto cancel the operation if not completed with in 20 seconds.

To activate REMOTE simply press a button on the fob.
To activate DOOR/WINDOW sensor simply seperate magnet from sensor the red light should light up.
To activate GLASS BREAK sensor BLOW INTO the slanted window.

**Note:**
1. Never make door sensor, gas sensor, PIR, Active IR, water sensor, smoke sensor as Emergency button.
2. Put emergency button in 1st defense zone

**How to Code wireless flashing siren:**
Press `Sensor + password + # + * + 03 + # + BACK SPACE + 02000000 + # + QUICK EXIT`

**How to set Alarm Mode for wireless Sensor**
Programming alarm mode for the wireless sensors refers to change the alarm mode according to the user’s requirements. For example, when installing a DOOR/WINDOW sensor on a gun cabinet, you can put it on Mode “EMC/RT”. The main panel will alarm when DOOR/WINDOW is triggered, whether the system is armed or not. This way it is always protected.

To change the mode of a sensor do the following:
Under normal working condition, press `SENSOR`, and Input password.then hit #. The following picture appears:

Press 8 to check the wireless accessory that has already been programmed in, and press **UP** or **DOWN** to change the modes for the accessory under programming. It appears the following picture:

Chose the wireless accessory to be programmed, and press **MODE** to change the modes of the accessory:

**5 major alarm modes include:**

**EMC/RT** (24-hour alarm available, no matter armed or disarmed) Gun Cabinets etc...

**Arm** (This is status quo or normal, only when system is armed will sensors sound alarm when triggered)

**Arm Bypass** (All sensors in this mode will be bypassed or left of when system is armed in bypass mode. To arm in bypass mode simply hit the ⚡ lightening button on the remote button twice or press backspace + 7 at the same time on the panel)

**Disarm** (If a sensor is in Disarm mode, when the system is armed it WILL NOT activate the alarm when the sensor is tripped)

**Delay** (All sensors in this mode will be assigned a delay in seconds that you decide which is explained on page 14-15, you must assign a delay to all sensors after following the instructions on page 14-15 for the delay to work. A delay gives you time upon entering to disarm system and time to leave when arming system.)
How to delete wireless sensor

Warning: Please don’t do this operation if you are not familiar with this product.

In normal working condition, Press SENSOR. Input password and press CONFIRM. the LCD is shown as the following diagram:

Press 8 to check the wireless sensor that has already been programmed in, and press UP or DOWN to flip to the previous/next page.

Simply get to the sensor you want to delete on the LCD display.
Then hit the BACKSPACE button then the # button, now its deleted.
Now you can press QUICK EXIT.
If no wireless sensor has been set, it appears as:

How to delete KeyChain Remotes:

Press SENSOR when the control panel is under normal working condition. Input the 4-digit password + * + 01 + CONFIRM + 4-digit password + #, and you will hear two short beep sound. All Remotes have been deleted successfully.

Notice: This is useful when you have lost any KeyChain remotes. Simply delete all KeyChain remotes out then program ones you still have back in.

6.4. How to program wired sensor: (NOT NORMALLY USED!!)

After connecting the wired sensors as instructed before in this manual, the user can set alarm mode for them as following:
In normal working condition, Press SENSOR, input the password, appears the following picture:

Press 9 to check the mode of the wired sensor of 8 defense zones, and press UP or DOWN to flip to the previous/next page.
Move the cursor to the wired sensor to be programmed, and press **FOUR** and **MODE** to choose the alarm mode for the wired sensor.

**5 major alarm modes include:**

**Emergency Help** (24-hour alarm available, no matter armed or disarmed)

**Arm** (Only in arm status, the main panel will alarm when certain sensor is triggered)

**Bypass** (In bypass status, the main panel will not alarm when certain sensor is triggered status.)

**Disarm** (The main panel will not alarm certain sensor is triggered.)

**Time Delay** (In arm status, the main panel will alarm when certain sensor is triggered)

**NOTE:** In arm status, the main panel will alarm when any wired sensor in any of the above-mentioned modes is triggered to alarm only when the control panel is armed.

The operation for program the wired defense zones as the corresponding sensor (door sensor, PIR etc.):

Flip to the corresponding wired defense zone to be programmed, press **BACK SPACE**, the LCD is shown as follows and the cursor on the right corner flashes:

Input the corresponding defense zone No. for the sensor and press **CONFIRM** (for example: the code for the door sensor is 03). The page flip to:

**6.5 System Setting:**

**Date and time setting (For alarm record and arm time)**

In normal working condition, press **SET**, LCD shows as following after inputting password:

Press 0 the screen for year setting appears and flashing:
After inputting year, it will automatically enter to month and date setting interface:

Input month and date, then it will automatically change to the time setting interface:

After inputting time, it automatically becomes active and back to system Manu.

**Off/On telephone line anti-cutting function**

This alarm system has telephone line anti-cutting function. When set this function, the host will alarm automatically if telephone line connected with the host is cut-off or disconnected. The setting instruction as following:

Under normal working condition, press *SET* and input password and press *CONFIRM*, the following picture will appear:

Press button *I*, the interface of setting telephone line anti-cut function will appear with flashing:

Press *UP* or *DOWN* to chose Off or On this function, and then press *CONFIRM* and return the system menu.

**Off/ On remote Controller Compound Siren**

Remote controller compound siren refers to the BEEP you hear from the host when pressing a KeyChain remote.

The setting instruction as following:

Under normal working condition, press *SET* and then input the password, the following picture will appear:

Press *2*, then it appears remote controller compound siren setup interface:
If set on, it will show a music mark on right top corner of the screen, which indicates that the remote controller compound siren is open. After setup, press CONFIRM and return the system menu.

**Off/On arm & disarm password protection**

Arm/Disarm password is to see whether password is needed when you Arm/Disarm through calling back via telephone/mobile. The setting instruction as following:

Under normal working condition, Press **SET** and input password and press CONFIRM, it appears the following picture:

Press 3, the entry of Arm/Disarm password protection setup will appear with flashing:

Press **UP** or **DOWN** to choose off or on this function, and then press CONFIRM and return the system menu.

**Set siren hooting Time**

Under normal working condition, Press **SET** and input the password, the following window will appear:

Press 4, then will appear siren hooting time setup window:

Press **BACK SPACE**, input the time you required and at then press CONFIRM to confirm. The time unit is minute.

To input “0 0” means soundless siren, which indicates the siren will not hoot when alarming. Press CONFIRM to make the setting effective and return to the system menu. The system will show you a bugle sign on the top right corner of the screen, which means alarm with siren hooting is open.

**Change Password**

The original password is 1234. User can change it. The instruction as following:

Under normal working condition, Press **SET** and input the password, the following window will appear:

Press 5, the entry for host password setup appears:
The screen displays the current password. Press BACK SPACE to enter into programming state, and input the new password and at last press CONFIRM to return the system menu.

Set host ID/Neighbor ID
The alarm host ID number is used to connect with the Monitoring Center. The Special ID number depends on the assignment of installing intellectual card. The setting instruction as following:
Under normal working condition, Press SET and input the password, the following picture appears:

Press 6, then will appear ID number setting window, and to chose alarm host ID or neighbor's ID by pressing TEST and UP.

The screen displays the current Host ID number. Press BACK SPACE to clear off the current ID number and input the new one. At last press CONFIRM and return to the system menu.

Note: 1 stands for Host ID number, and 2 stands for Neighbor's ID number.

Set ring times of phone before automatically picking-up
The ring times of phone before automatically picking-up is for off premise control by phone or mobile when you call the phone connected with the alarm system. The remote control by phone or mobile is unavailable when ring time is set zero. The setting instructions as following:
Under normal working condition, Press SET and input password and press CONFIRM, the following picture appears:

Press 7, the entry for setting the ring times of phone before automatically picking-up will appear:

Press BACK SPACE and input the ring times(0-9times), and then press CONFIRM and return to the system menu.

Set Arm Delay & Alarm Tel Delay.
After setting Arm Delay & Alarm Tel Delay, the alarm host will delay in seconds once you arm system to give you time to leave the house and will also delay in seconds once you come into the home to give you time to disarm the system. Under normal working condition, Press SET and input password, the following window will appear:
Press button 8 then will appear the entry of setting time delay to arm.

Press button **BACK SPACE** and input time (0-99s), and then press **CONFIRM** to make the setting effective for ARM DELAY or the delay for your exit. Now hit the 2 button to get to the ALARM TEL. DELAY. This is the delay for your entry into the home. Press backspace then enter the seconds you desire to come home and have time to turn off system before it goes off now hit #. In summary, ARM DELAY is the seconds you program in to allow you time to arm the system and leave your home before system is locked down. ALARM TEL DELAY is the seconds you program in to allow you time to disarm system once home before the alarm sounds.

**VERY IMPORTANT** = MAKE SURE THE SENSORS YOU WANT ON DELAY YOU CHANGE THE MODE OF THAT SENSOR TO ARM DELAY OTHERWISE THE DELAY FUNCTION WONT WORK, REFER TO PAGE 9.

**Set Arm & Disarm Time**

Setting SetArm & Disarm Time is the function that user can set a time when the host will arm & disarm automatically. The system supports 3 groups of time for arm & disarm. The setting instruction as following:

Under normal working condition, Press button **SET** and input the password press **CONFIRM**, the following window will appear:

Press button 9 then will appear the entry of setting time for arm and disarm.

The number on the screen indicates the group No. you are setting. Every group has two states setting, Fixed time arm and Fixed time disarm. User can chose different groups by switching buttons. **OFF** indicates no setting. Press **FOUR** and then appear the following picture:

Press **BACK SPACE**, input time, and then press **CONFIRM** and return to the system menu.

**Record voice message** (Optional function)

**Record**: In the normal working condition, Press **TEL + password +# + 6** to enter the following page:

Meanwhile, The number "-5" on the right will count down to inform you to start recording when the "-5" becomes "1" second. The record can be maximum 10 seconds.

**Play**: Press **TEL + password +# + 7**, press any button to close. If the record set the system to leave the home and will delay to sound alarm once you arrive home.
is not clear, you can re-record.

6.6 Ademco parameter and extra function setting (optional function setting)

The principle of call alarm phone: When the alarm system is triggered, the system will automatically call the pre-set phone of Monitoring Center to connect the Monitoring Center. If successfully connected with the Monitoring Center, the user can call and then have a remote control to deal with the alarm. If failed, no remote control is available.

Under normal working condition, Press button SET and input the password, the following picture appears:

Press *, and appears the entry for setting Ademco function. Press UP and DOWN to choose the function you want to set.

Function setting& Program:

01. Set time delay to inform arm & disarm:
   UP or DOWN (chose 01) + BACK SPACE + input time (0-15 seconds) + CONFIRM

02. Telephone for ADEMCO monitoring center (total 2 groups telephone No)
   UP or DOWN (chose 04) + BACK SPACE + set telephone No + CONFIRM

03. Telephone for user set function
   UP or DOWN (chose 03) + BACK SPACE + set telephone No + CONFIRM

04. Telephone for user set function
   UP or DOWN (chose 04) + BACK SPACE + set telephone No + CONFIRM

05. Off/ On inform arm & disarm:
   UP or DOWN (chose 05) + BACK SPACE + UP (chose ON or OFF) + CONFIRM

06. Set call times:(max is 15times)
   UP or DOWN (chose 06) + BACK SPACE + input time (0-15 Times) + CONFIRM

07. Neighbor’s alarm system helps call to alarm
   UP or DOWN (chose 07) + BACK SPACE + UP (chose ON or OFF) + CONFIRM + QUICK EXIT

08. Off/ on sound alarm:
   UP or DOWN (chose 08) + BACK SPACE + UP (chose ON or OFF) + CONFIRM

09. Off/ On display alarm telephone No:
   UP or DOWN (chose 09) + BACK SPACE + UP (chose ON or OFF) + CONFIRM

10. Off/ On voice instruction to time delay to arm & alarm
    UP or DOWN (chose 10) + BACK SPACE + UP (chose ON or OFF) + CONFIRM

12. Off/ On recycling self-checking:
    UP or DOWN (chose 12) + BACK SPACE + UP (chose ON or OFF) + CONFIRM

13. Off/ On alarm for low power or accessory and anti-tampering:
    UP or DOWN (chose 13) + BACK SPACE + UP (chose ON or OFF) + CONFIRM

15. Off/ On inform AC power off:
    UP or DOWN (chose 15) + BACK SPACE + UP (chose ON or OFF)
At last, Press QUICK EXIT to exit.

6.7. Comeback to Default Setting
Under normal working condition, press BACK SPACE, input password, and then it appears as following:

```
FSEL: 1 OFF: 2
```

Press 1 it displays as following (indicates RESET) and the screen will be glimmering

```
FSEL
```

Then press UP, appear as following and glimmering (indicates OFF)

```
FSEL: OFF: 2
```

Press CONFIRM then input four digital password. The main panel will close with power off if the password is correct.

6.8 Historical Alarm Record operation
The main panel can have a record about the latest alarm information and it's convenient for user to check it. Do as following:
Under normal working condition, press HISTORY, input password, then press Confirm, the LCD display shows:

```
History
63
```

Here number "63"indicates main panel has 63 latest pieces alarm record. It will cover the previously record automatically if more than 100 pieces. To check the detail information, please press UP or DOWN to page up and down.
the above picture indicates that it is PIR alarm in 22nd defense zone at 13:45 on 28th, November. The record NO. is 63.
How to clean off the history record
Under normal working situation, press HISTORY, input password, the display shows:

Press BACK SPACE, input password and press CONFIRM, appears the picture as following:

The above picture indicates that the history record is clear off.
NOTE: If you confirm the alarm when you answer the alarm call by phone, the telephone number sequence will be used as the defense zone. For example: you confirm the alarm by the first alarm telephone, the record will show as following picture (03:01 on October 11, the first telephone is armed, the record NO. is 12)

If it is remote control to alarm call, it will be marked as 98th defense zone alarm telephone operation, the record shows as following (03:01 on October 11, long-distance telephone operation to arm—because the record NO. is 98. This record NO. is 12)

6.9. Alarm System Operation
Arm, Disarm, Bypass and Emergency Alarm
Arm: When go out and want to arm the main panel, press Quick Exit + * on the main panel (if there is password needed, please input the four digital password). The voice "arm is on" and the armed indicator light on, which indicates the alarm system is in arm condition(if arm delay, it will show you "arm delay") After the operation is successful, every defense zone including the armed zones, the standby armed zones and the 24 hours armed zones are in the armed condition. Once there is somebody trying to intrude into your house, it will alarm.
Disarm: When you go home and want to de-active this system, press set + 1 button on the central panel (if there is password needed, then input password.). After you hear the voice "alarm is turn off" and the disarmed indicator light will turn off, which indicates the host is in the disarmed condition. After disarming, only the 24
hours armed zone can continue to alarm (such as the fire & smoke detector which didn’t affect by this kind of operation after they are studied successfully and put them at the 24 hours available defense zone, please refer to 4-2 to have the operation details).

**Bypass:** You want to sleep at night, to avoid PIR wrong alarm because of your movement in the house, when you want to disarm certain sensor separately, press Backspace + 7 (if password needed). Then input password. It is available for all the accessories with the digital code of 2211. After you hear the voice “alarm is on” and the character “bypass” is show on the screen, which indicates the host is in the bypass arm condition (PIR should be changed from arm condition to bypass arm condition to have this function, please refer to 4-2 to have more details)

**Emergency Alarm:** If there is emergency thing when you at home, press the “😱😱” button on the remote controller, the alarm will alarm immediately and the system will dial the pre-set telephone NO. automatically. The alarm host has the same button and the same function.

**How to control the alarm system by phone call:**
You can call the phone number that the alarm is hooked up to any time, after hearing six times ring (you can set the ring times by yourself), the system will pick up automatically. There is a voice “please input password” in your phone, after the voice is over, put the 4 digit password (there is also the inform voice of “password is wrong” if you put wrong password. And the line will cut off if you do wrong for three times). The password is correct, you will hear the confirm voice, then the host is in ten minutes listening monitor automatically, press “2” to active the siren, press “3” to de-active the siren, continue to listen monitor press “4”, press “#” to exit, the system hang off automatically. (If you set the ring time is ZERO, the long distance control function is prohibit.)

**How to control the system when you receive an alarm call:**
When the alarm system is triggered, the system will call the pre-set alarm telephone numbers automatically. When you answer the alarm call and will hear 10 seconds voice message record, press “1” to start 20 seconds’ monitoring, monitoring press “1” to restart 20 seconds’ monitoring, Press “2” to start the siren when you hear any abnormality, press “3” to close siren; press “4” to arm, press “5” to disarm, press “#” to confirm you have received the alarm call and exit. If you do not press “#” or the telephone is occupied, the system will hang up after two times of record and then dial the left pre-set alarm numbers circularly until someone answer the phone call and press “#”.

**6.10. Main Parameter:**
1. Standard frequency of double audio frequency: low frequency group 697,770,852,941Hz; high frequency group 1209, 1336,1477,1633Hz; frequency deflection: ±1.5%.
2. Electronic lever: low frequency group—9dbm 3dbm, high frequency group—701dbm, 3dbm.
3. Time delay to arm: “0~99” seconds (you can set by yourself)
4. Siren hooting time: “1~30” minutes (set by yourself), more than 30 minutes the siren will hoot all the time.
5. Standby current: <25mA @ DC 9V
6. Working current: <200mA
7. Environmental condition: -10°C—+45°C, humidity: ±95%
8. Power supply: 9V, 300mA.

**Chapter Seven: Solution to Problems That Often Occur**

**I. Without auto dial function:**
Reason: 1. Not armed  2. No alarm phone numbers set
3. The sensors or the detectors is incorrectly installed, or the distance is too long between sensors/detectors and main panel.
4. ID code not matching between the sensors/detectors and main panel
5. The GSM Network is not good, there is no signal at all.
6. There is no deposit for the SIM card

**Solution:** 1. Arm this system  2. Set the alarm telephone numbers
3. Adjust the distance between the sensors/detectors and main panel.
4. Cut off the power supply, connect it again and search the GSM network
5. Charge SIM Card

**II. Can’t Set, Arm and Disarm this system**
Reason: 1. The System is in “arm” status before your operation.
2. The command is not correct  3. Password protection is on.
Solution: 1. Disarm the system  2. Read the user manual before operation

III. No Voice Message Record when you answer the alarm phone call.
Reason: No Voice Message Record in this system at all.
Solution: Record your voice message again according to the user manual

IV. Fault Alarm From PIR:
Reason: There are many PIR of different quality. In the summer, the PIR in caporal can easily alarm by mistake for the high temperature. These PIR are relatively cheaper. It is somewhat related with the installation also. The most common case are: the curtain flies to the detecting area by the wind at mid-night, mouse or pets are moving into to the detecting area etc.
Solution: 1) Choose the PIR with better quality
2) Use the specialized installation and fix the curtain etc.
3) Install the PIR in proper place
4) Shorten the detecting area to low down the sensitivity

V. The Remote Controllers Can Not Work
Reason: 1) The power of the battery is not enough
2) The shrapnel connecting with the battery is bad or rust
3) ID code not matching between the remote controllers and main panel
Solution: 1) Lean the remote controller again  2) Change the new battery
3. Clear off the rust or dirt on the shrapnel of the battery:

VI. The Sensing Distance Shortened Between The Detectors And Main Panel
Reason: 1) Some transmitting disturbance nearby
2) the malfunction of the receiving module in the main panel
3) Check if the power is connected or not for the panel
4) The voltage is too low
Solution: 1) Find our the disturbance and get rid of it
2) Return to factory for maintenance. 3) Change the battery
4) Check if the power connection is correct or not

VII. Silent Siren
Reason: 1) Short circuit of siren pins, jack or the wire is broken
2) The connection pins and jack is not good.  3) Pin wire short circuit
Solution: 1) Repair or change the pins and jack
2) Change the wires 3) Turn on the siren by setting on the panel

Chapter Eight: User Notice

If you want to operate our system correctly, please read our instruction carefully:
1. When the user start using the system, the panel should be in armed or partially armed for some zones.
2. To be able to provide the normal power supply, If you do not connect the 220V power supply for a long time, this would not lead to normal charging backup batteries. As mean while the 9V AC/DC power supply can not be repeated plugged on a daily basis operation, otherwise the electronic components can be easily damaged due to instantaneous voltage fluctuation, and cause the whole system not to be able to work.
3. While design the protection area, please install the PIR and other sensors such as IR baluster, smoke detector, gas detector etc besides the door and window sensors to avoid blind area.

4. Users should turn on the self malfunction checking system in order to make it convenient to check if the system works normally or not. The users should maintain it self or ask the distributor to do it in time. Otherwise, it is no sense for the burglarproof although it is installed because the system does not work for works abnormally.

5. Check the functions of the alarm system at the scheduled time. E.g. the built-in siren can hoot or not, the auto dial works or not, etc.

6. Check if the connection of the phone line is correct or not as stated in the manual.

7. Check if the detectors and sensors can work normally or not, if the battery is enough or not. If lack of power, please change another one. If the sensor falls down by chances, it should be check all functions and make sure if it is damaged or not.

8. The system can not auto-dial if the phone line is not connected or short circuit problem from telecommunication office.

9. IF the system does not use 220AV/DC power, the outside siren can not work, the built-in siren does not work or only works in a short time.

10. After the installation, the users or the distributor should check the function, quality and test.

11. If dismantle the panel for the connection of wired sensors, please do not touch the receiving module and other components for fare that they will be damaged.

12. The panel should be installed in the place not easily found for fare that the intruder will break it and cause malfunction before the alarm takes please.

Chapter Nine: Storage, Shipping and After-sale Service

**Storage condition:** Temperature is between \(-10\degree C\) and \(40\degree C\), humidity \(\leq 75\%\) and airiness, no rusty object; layers of standard packing box is no more than 10.

**Shipping condition:** less than 7 layers, avoid impact during carriage, others are the same as above.

**After Sale Service:** our company the factory carries out the perfect after-sale service. If there is any problem occurred to the system, please don’t dismantle it for maintenance. Please contact the specialties first, the shop where you bought or the local office of our company. Please refer to the “Guarantee Card” for the details.