

**AL-4108**

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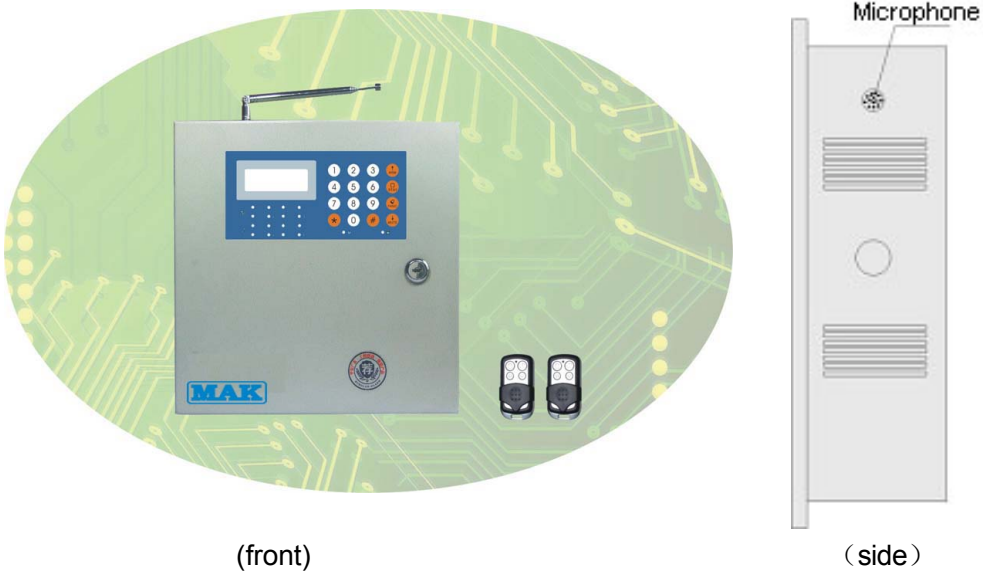
**Please read this manual carefully.**

## Features & Function

- (1) Keypad operation, LCD displayer
- (2) Compatible with 8 wired and 8 wireless zones
- (3) Panic alarm for emergency
- (4) With door bell function
- (5) With monitor alarming scene function
- (6) Able to connect with external light to remind in armed status.
- (7) Auto alarm when phone line cut or error
- (8) Record alarm event, up to 36pcs
- (9) Display date & time of alarming, auto arm/disarm
- (10) Host machine with power (12v) output for wired accessories.
- (11) Telephone remote control
- (12) Support contact id (ADEMCO)
- (13) Special function of remote (host or slave function)
- (14) Easy to control security zone
- (16) AC/DC power, keypad, monitor, LCD displayer all in one.
- (17) Free to select wired or wireless accessories.
- (18) Easy & free to operate.

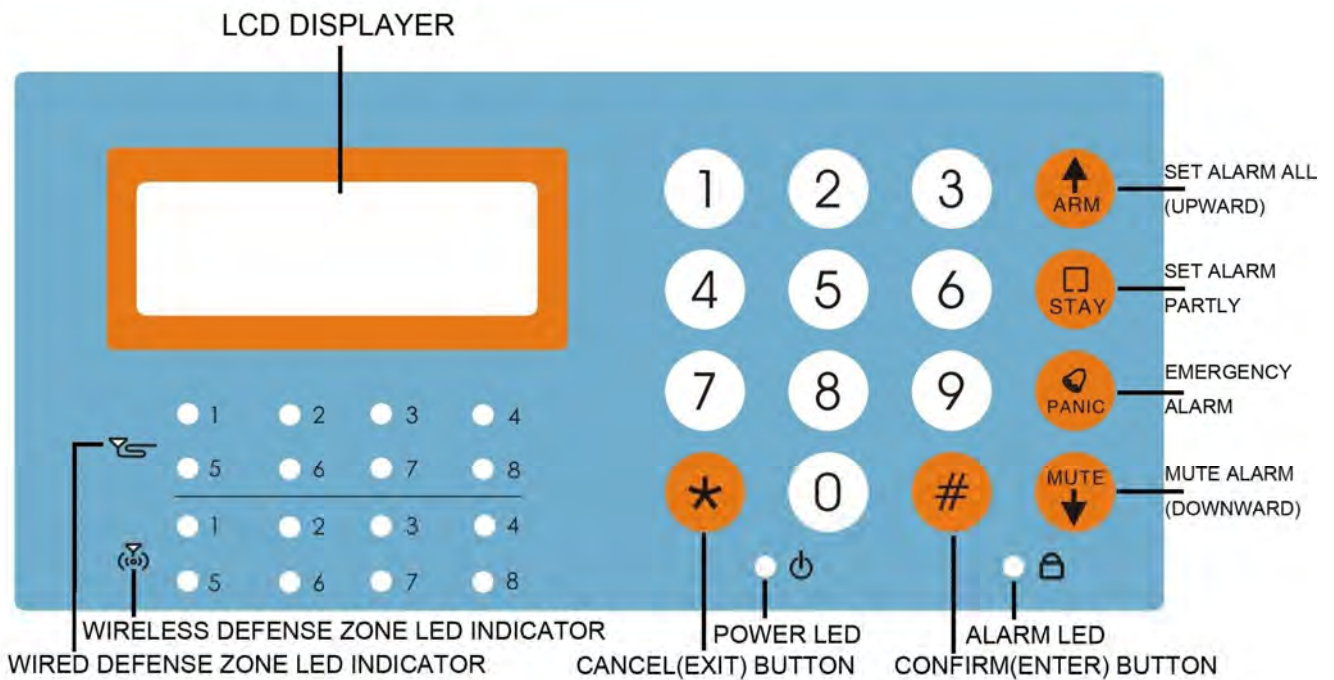
### I . Quick Show

## (1) Host Machine front & side



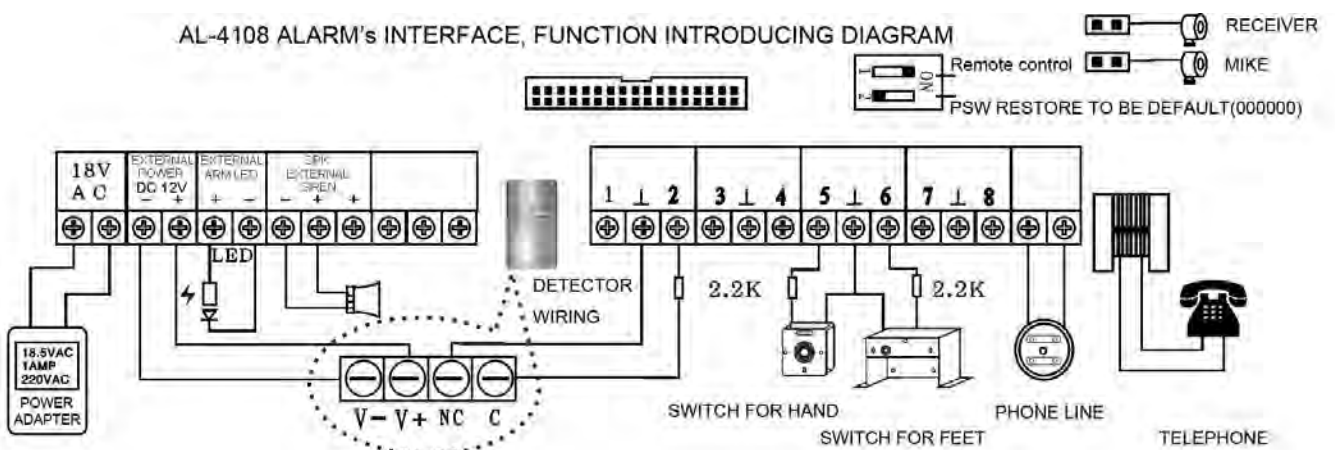
Receiving antenna	For enhance to receiving the signal, please pull it extending while operation.
Microphone of recording and monitoring	For recording and monitoring the voice of side while the telephone alarm.

## (2) Key Panel of host machine



Power light (Red)	The red light appear after turn on the host machine
Set/Un-set alarm light(Green)	The light flicker when set alarm time-lapse; the light appear continuously when set alarm; the light turn off when un-set alarm.
8 Wired security zone lights	The above 8 lights one to one correspondence of wired security zone.
8 Wireless security zone lights	The below 8 lights one to one correspondence of wireless security zone.
LCD displayer	Display the operation menu and the alarm event.
"*" button	To cancel current process and turn back to upon menu; long press 3 seconds to set bypass alarm
"#" button	To confirm current process
"ARM↑" button	To set alarm of overall situation with once press or move up and left of the menu, or backspace of menu edit.
"MUTE↓" button	To set alarm of overall situation with sound off or move down and right of the menu.
"STAY" button	To set alarm for some security zone (preset security zone)
"PANIC" button	Triple press in Emergency, the tweeter shouting and dialing the preset phone number.
"0"- "9" button	NUM key, work with mainframe and input number. In operating process, number 1 means turn on, number 0 means turn off.

## (2) Alarm connecting



DC12V OUTPUT	For 12V wired accessories
LED port	Output 12V for LED standby A. Flicker of set alarm time-lapse; B. Light continuously of set alarm; C. Flicker of alarm; D. Turn off of un-alarm
SPK (external siren) output port	For connecting with external siren
wired 8CH security zone port	Connect with 2.2K electric resistance of 1-8 wired security zone, the security zone 1 is 24 hours.
LINE	To connect with the telephone cable entrance.
Telephone socket	Connect with user's telephone

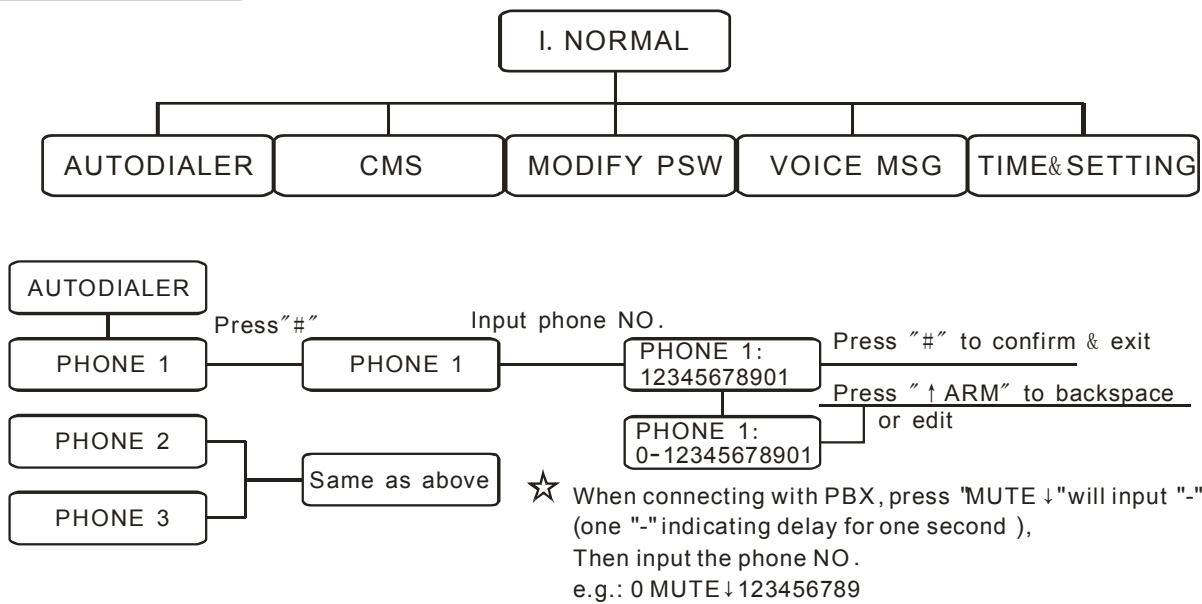
### (3) Menu List

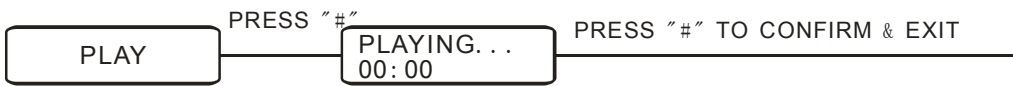
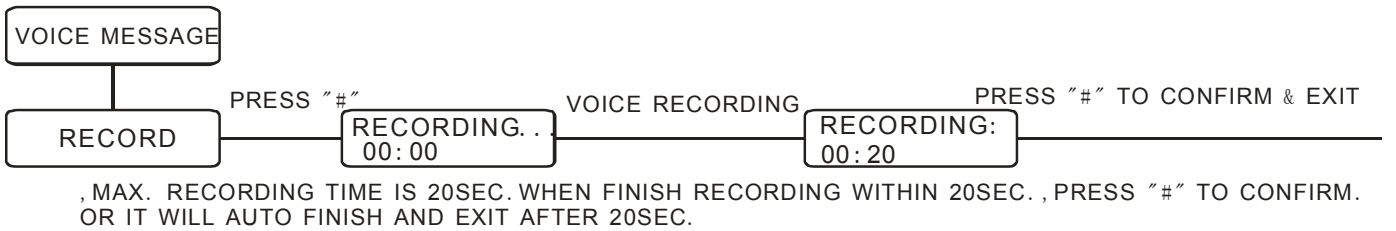
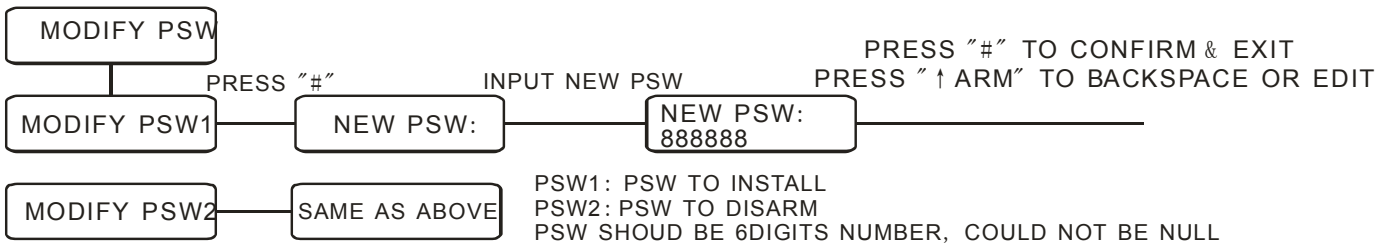
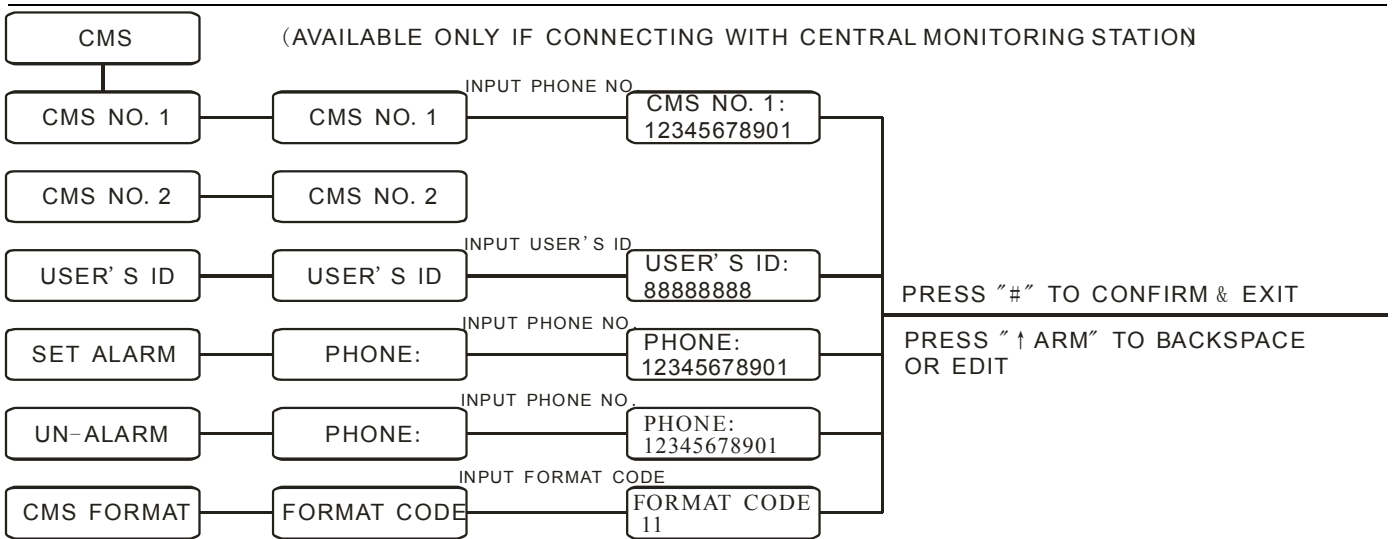
#### A. NORMAL

Press “#” and input password (default is 000000), then press “#” to go next option.

I. NORMAL

II. ADVANCED





☆ RECOMMENDED RECORDING MESSAGE:  
PRESS "1#" TO DISARM ALARMING, AND KEEP IN ARMED STATE.  
PRESS "3#" TO LISTEN TO ALARMING SCENE.  
PRESS "5#" TO TURN ON ALARM SIREN.  
PRESS "0#" DISARM ALARMING DEFENSE ZONE.  
(FOR AVOIDING FORGETTING TO OPERATE, WHEN ALARMING.)



E. G. : 05: 59 2012-06-22

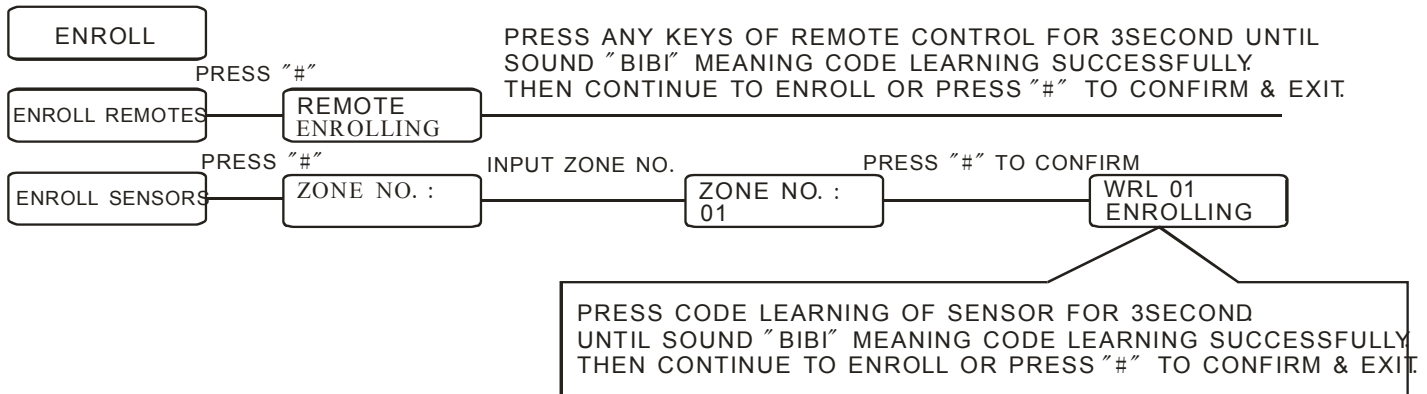
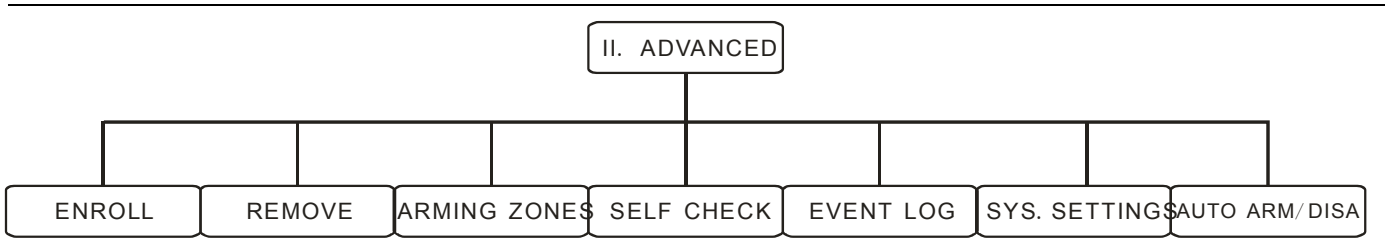
ARRANGE IN YEAR MONTH DAY HOUR MINUTE, 24-HOUR TIME

## B. ADVANCED

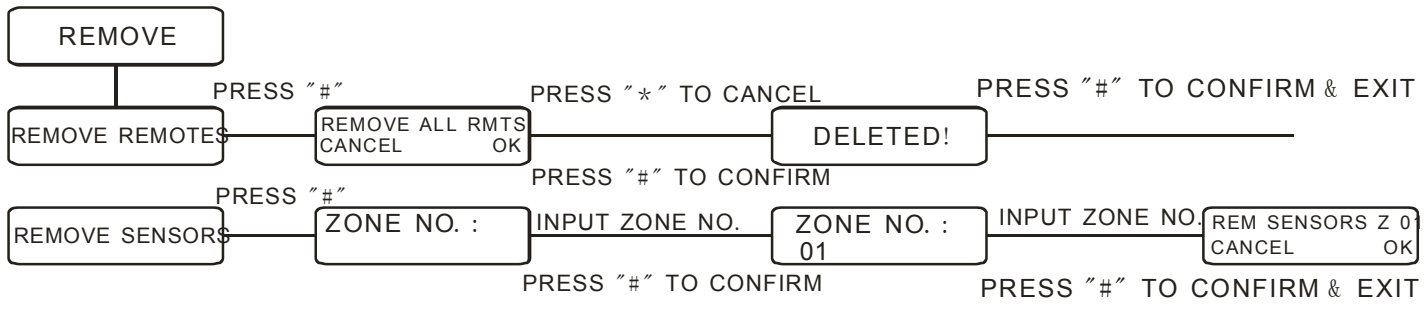
Press "#" and input password (default is 000000), then press "#" to confirm and press "MUTE

↓" to go to next option.

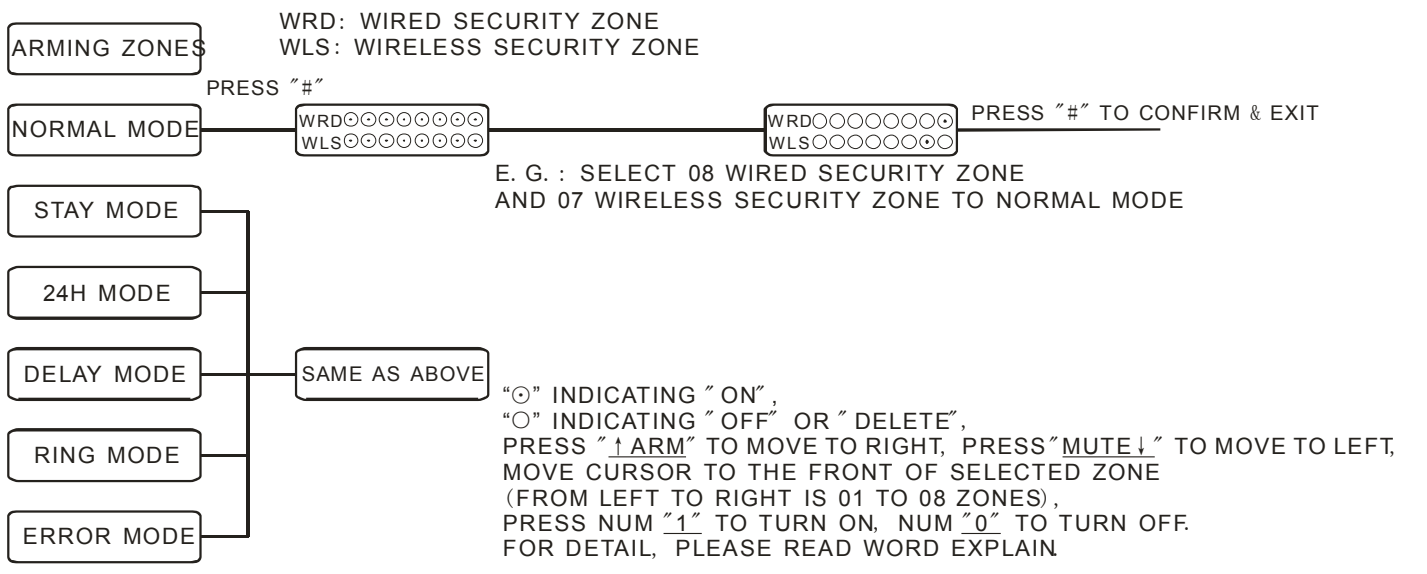
- I.NORMAL
- II.ADVANCED**

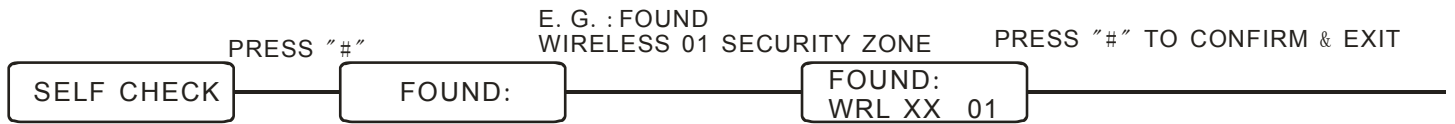


SOUND "BI" INDICATING THIS ACCESSORY HAVE ALREADY LEARNT IN THIS SECURITY ZONE  
 "BIBI" INDICATING CODE LEARNING SUCCESSFULLY, " BIBIBI" INDICATING THIS ACCESSORY HAVE ALREADY LEARNT IN OTHER ZONE.  
 REMOTES COULD LEARN UP TO 10PCS. EACH SECURITY ZONE COULD LEARN UP TO 10PCS SENSORS (INCLUDING DOOR SENSOR, PIR DETECTOR, CURTAIN PIR DETECTOR).  
 THE PREVIOUS FIRST ONE WILL BE CANCELED IF EXCEEDING 10PCS

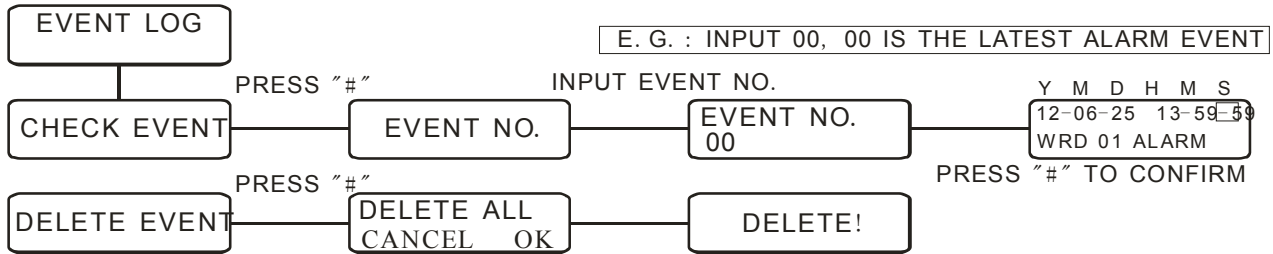


★ E. G. : REMOVE ZONE NO. 01, AND ALL THE SENSORS IN THIS ZONE WILL BE DELETED

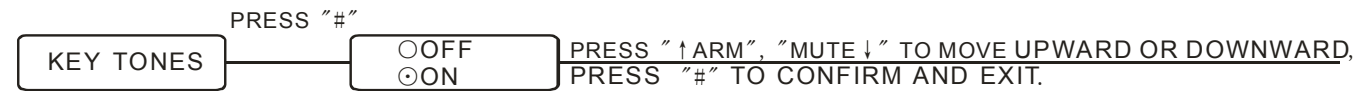
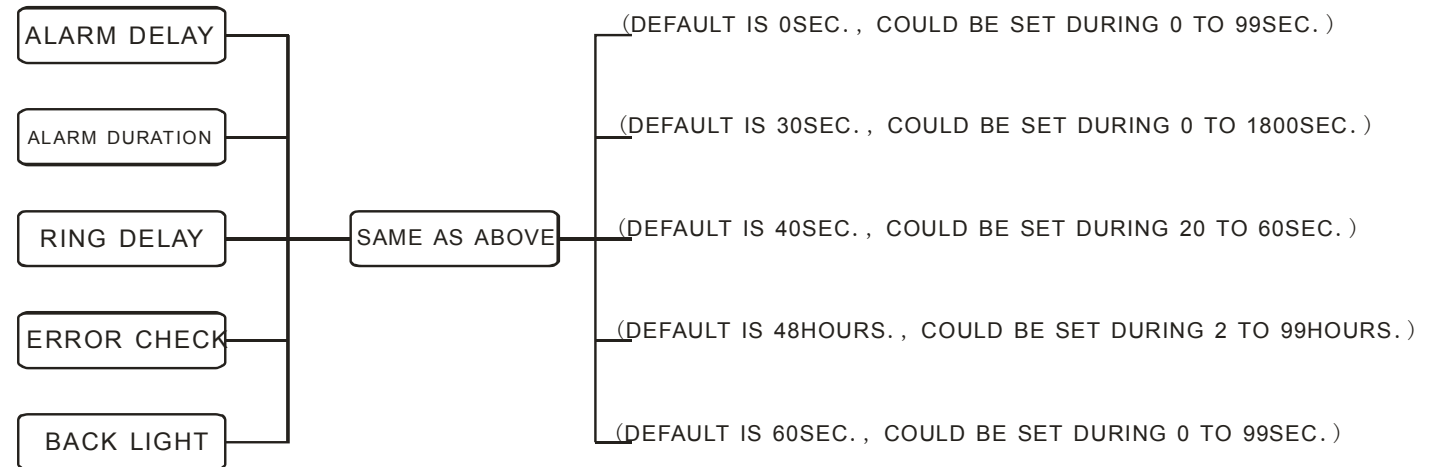
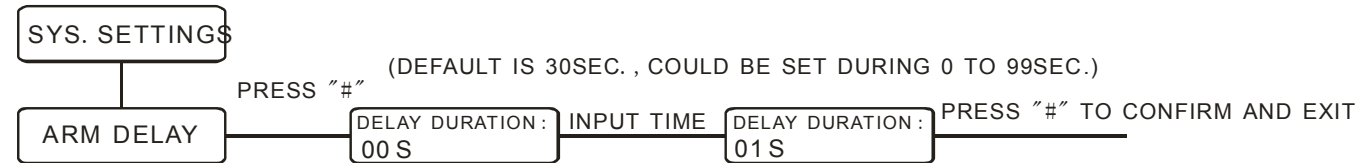




AFTER ENTERING, TRIGGERED THE ACCESSORIES, MAINFRAME WILL SOUND "BI" AND DISPLAY INFORMATION ON LCD DISPLAYER.

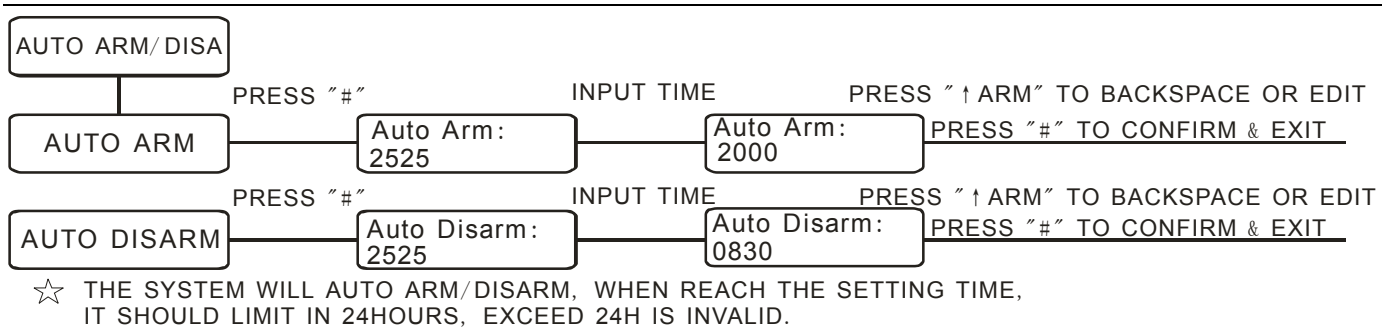


AFTER ENTERING, CHECK OR DELETE EVENT LOG. UP TO 36PCS EVENT LOG COULD BE CHECKED IF EXCEED 36PCS, THE PREVIOUS FIRST ONE WILL BE COVERED.



☆ AFTER RESETTING, THE MAINFRAME WILL RECOVER TO BE DEFAULT: ALARM PHONE WILL BE EMPTY, PASSWORD WILL BE DEFAULT "000000", ARM DELAY WILL BE 30SEC. , ALARM DELAY WILL BE 0SEC. , ALARM DURATION WILL BE 30SEC. , RING DELAY WILL BE 40SEC. , WIRED 01 SECURITY ZONE WILL BE 24HR ZOI BUT THE WIRELESS ACCESSORIES HAVE LEARNT CODE WILL NOT BE DELETED.

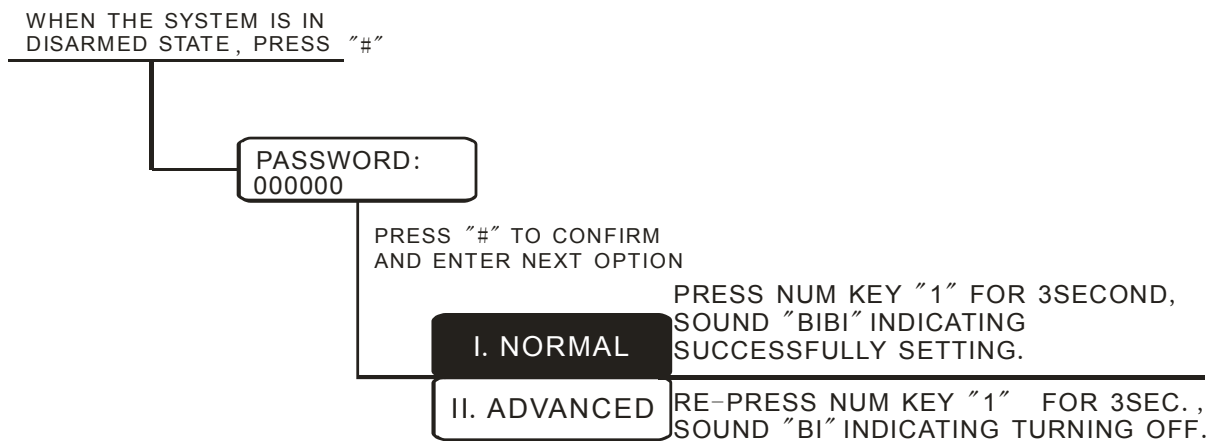




## (5)Special Function Setting: For special function requiring

### A. Dual security zone function

Effected Dual security zone triggered sync function: ONLY when the security zone 07 and 08 are triggered (or two security zones are triggered at the same time within 1sec.), the system will make alarm.

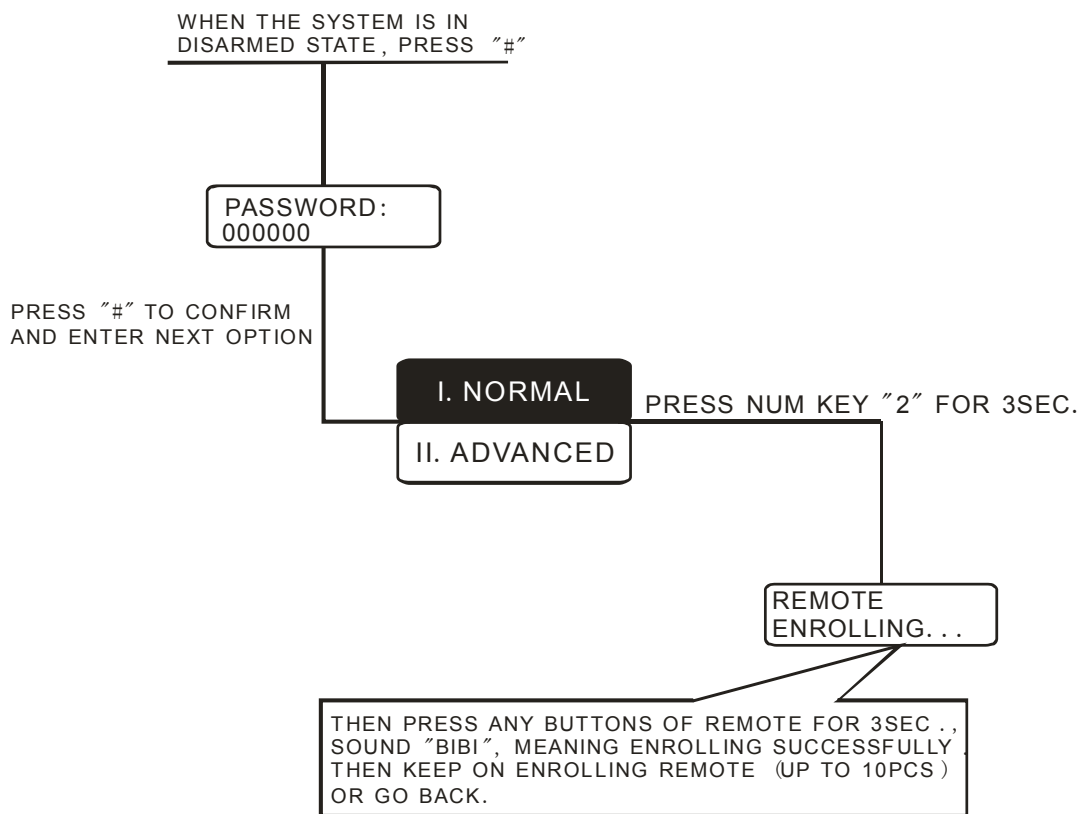


### B. Special Function for Remote Control

Special Function for Remote Control: Host or slave remote control function, special remote control to arm/disarm, the mainframe will dial the first group phone number. When connect with CMS, the mainframe will send information to CMS: popup alert list and warning tone

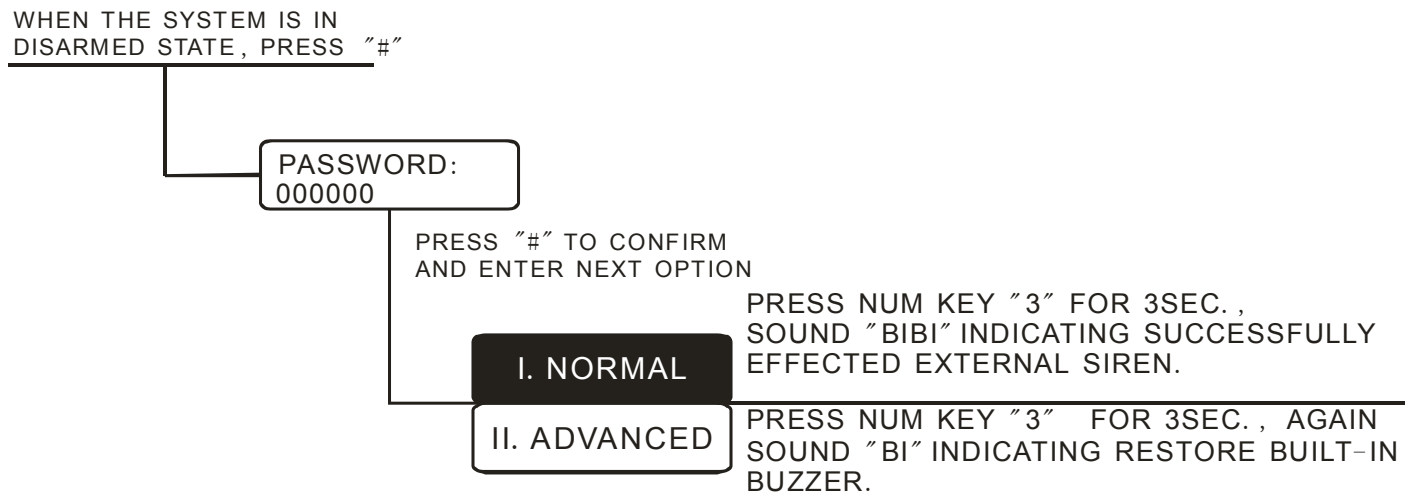
**Note:** When no answer alarm phone or do not have any operation, mainframe will dial three times in circle.

When need to modify or cancel some remote control, please delete them. All the remote controls have learnt code will be deleted.



### C. Setting warning tone for External Siren

Set warning tone selecting built-in buzzer or external siren (default selecting built-in buzzer)



### D. Notice for AC power is being cut

Effect this function, the mainframe only could dial the CMS phone number (Default is OFF, After AC power is being cut for 10minutes, start to dial the preset phone number)

WHEN THE SYSTEM IS IN DISARMED STATE, PRESS “#”

PASSWORD:  
000000

PRESS “#” TO CONFIRM AND ENTER NEXT OPTION

- I. NORMAL
- II. ADVANCED

PRESS NUM KEY “4” FOR 3SEC., SOUND “BIBI” INDICATING SUCCESSFULLY SETTING.

RE-PRESS NUM KEY “4” FOR 3SEC., SOUND “BI” INDICATING TURNING OFF.

### E. Setting of upload or not, when Arm/Disarm

Default is upload, Available only when connect with CMS.

WHEN THE SYSTEM IS IN DISARMED STATE, PRESS “#”

PASSWORD:  
000000

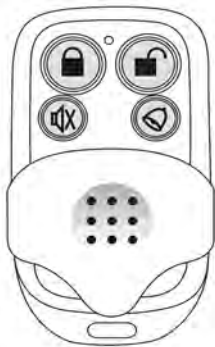
PRESS “#” TO CONFIRM AND ENTER NEXT OPTION

- I. NORMAL
- II. ADVANCED

PRESS NUM KEY “5” FOR 3SEC., SOUND “BIBI” INDICATING UPLOAD.

RE-PRESS NUM KEY “5” FOR 3SEC., SOUND “BI” INDICATING NOT UPLOAD.

## (6) Remote Control



<b>ARM key</b> 1	Press, mainframe will sound “BI”, and enter vocal armed state after arm delay.
<b>DISARM key</b> 2	Press, mainframe will sound “BIBI”, and disarm, hang up immediately.
<b>PANIC key</b> 3	Press and Make Alarm immediately
<b>STAY key</b> 4	Press, mainframe will sound “BI” and enter Stay Armed mode.

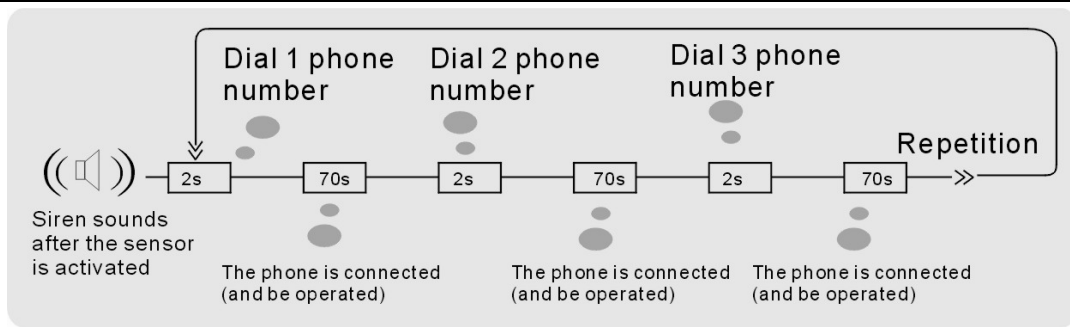
## II. Alarm & Usage

### 1. Make Alarm & Remote Control

#### 1. Make Alarm: MUTE Alarm & Vocal Alarm

##### 1.1 Vocal Alarm

In Armed status, some accessories being triggered, Mainframe will make alarm at once, and circularly dial the preset phone number in order.



**Note:** ①When no setting alarm delay, when being triggered, the mainframe will make alarm at once, the external siren will make alarm in preset time (default is 30sec.), when no input any phone number or connect with phone line, the system will make alarm till the end of preset time not dial any phone number.

②When pick up alarm phone, and do some operation, the system will not dial this number in dialing circle.

### 1.2 Mute Alarm

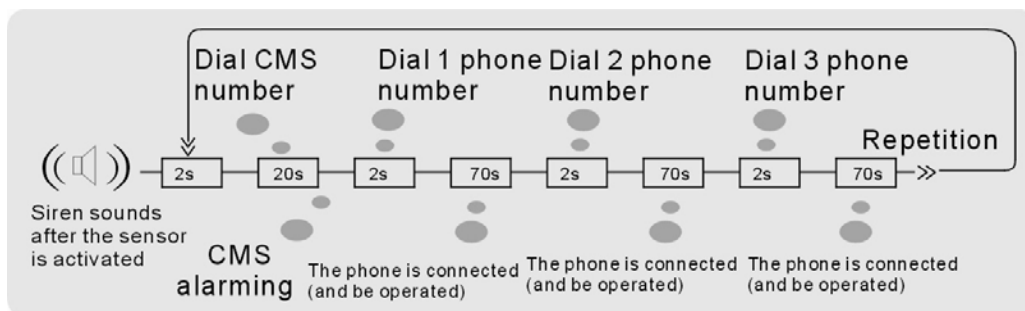
After selecting, when being triggered, the system will dial the preset phone number in turn; the built-in buzzer and external siren will not make a noise.

**Mute Alarm: TWO MUST Condition to effect: without either, the siren will make alarm.**

- ①MUST preset phone number.
- ②MUST connect with normal available phone line.

## 2. CMS Alarm

When connect with CMS, have to input CMS phone number, CMS number 01 and number 02 for different CMS system. There is one group to input users' code (according to CMS). When number 01, 02 and user's code is input, mainframe will dial the CMS and send information first when alarming. When sending information successfully in first time, the system will not dial CMS again in next circle. After dial CMS, mainframe will continue to dial the other three group number. When fail to send info to CMS, mainframe will try to send for three times. When still fail to send, mainframe will hang up.



**Note: It is available, only when the mainframe connects with CMS**

## 3. Receive Alarm Phone

	Receiving alarm phone, please press“3#” to listen to alarming scene first, then do the following operation.
“1#”key	Disarm current alarming, and restore the system to be armed state.
“3#”key	Listen to alarming scene for 30sec., during that 30sec., press “3#” again, the listening time will prolong 30sec. The mainframe will auto hang up and dial next group number, When no any operation within 30 sec.
“5#”key	Hang up, the siren will keep on working and dial next group phone number.
“0#”key	Disarm current alarming, and the security zone being triggered will enter disarmed status, other security zone keep in Armed status.

#### 4. Remote Control

Get through the phone connect with mainframe, the phone will ring for 40sec. (default), and sound “**BI BI BI BI**”, then input password (disarm password default is 000000) and press “#” key, if password is correct, it will sound “**BI BI**”, if not correct, it will sound “**BI BI BI**”, re-input password and press “#”.

“1#” key	Mainframe will enter ARMED statues and sound “BI”.
“3#” key	Listen to local scene for 30sec., press “3#” during that 30sec., it will prolong 30sec. Mainframe will auto hang up if no operate in 30sec.
“0#” key	Mainframe will disarm and sound “BI BI”.

#### 5. System Installation

- (1)Before using, all wireless accessories must be enrolled into the system. Make sure the protection zone you need is under ON status.
- (2)For better wireless signal & keeping away from strong magnet, Big Metallic objects or intruder, mainframe is suggested to be installed in the center of the entire protection area.
- (3)For long service life, the backup battery should be charged continuously for 48hours for the first time. To make sure the battery could work normally, when AC power is cut. Please refer to battery usage for detail.
- (4)When installing, should depend on local condition.
- (5)Power on, mainframe will sound “BIBI”, LCD display 8CH wired security zone and 8CH wireless security zone. (If wired security zones have not connected with 2.2k resistance, 8CH wired security zone will be flashing).

### III. Main Telephone Parameter

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- (1) Power supply: AC: 220V±10%
  - (2) Standby current: Host mainframe ≤56mA (NOT including wired accessories)
  - (3) Operating current: ≤66mA
  - (4) Alarming current: ≤196mA (NOT including external siren)
  - (5) Receiving Frequency: 433.92±0.5MHz
  - (6) Pre-set phone number: 3PCS, 2PCS CMS NO., 1PCS USER'S CODE
  - (7) Backup Battery: 12V 4.5AH OR 7AH Storage battery
  - (8) Standby time: ≥20HOURS
  - (9) Wireless signal receiving straight-line distance: ≥200M
  - (10) Trigger way (wired accessories): Be cut
  - (11) trigger holding time: 0.5sec.
  - (12) Security Zone: Wireless 8CH, Wired 8CH

#### IV. Word Explain

**Arm:** Arrange armed mission (referring to anti-robbery), also known as fortified or alert.

**Disarm:** Disarm armed mission (referring to anti-robbery), also known as de-alerting.

**Audio alarm:** Siren hoots and the mainframe dial the user under armed status.

**Mute alarm:** Siren does NOT hoot but the main frame dials the user under armed status.

**Stay mode:** Arranging armed zones selectively (referring to anti-robbery), the user designates some regions to be in anti-robbery but others are not.

**Bypass Arm:** Set some security zone to be armed status in this mission.

**All Arm setting:** Set all security zones to be armed status.

**Stay Arm setting:** Set some security zone to be armed status, other in disarmed status.

**24HR security zone setting:** For Smoke Detector, Gas Detector, beam detector or others to work for 24HR. Default wired 01 security zone is 24HR zone. Able to set any security zone to be 24HR zone or not (including wired 01 security zone).

**Alarm Delay security zone setting:** Delay to make alarm for some security zone. If set, when being triggered, that security zone will not dial and make alarm until the end of delay time.

**Door bell security zone setting:** After setting, being triggered in this security zone, mainframe will sound "BI" for five times, indicating someone come in or go out.

**Note:** When system is in armed status, this security zone is also in armed status.

**Error Check for security zone:** Select the security zone need to check, input the time to check (default is to check in every 48hours). When mainframe do not receive signal from that security zone (no matter in armed or disarmed status), it will dial the CMS and display on the computer of CMS system (Available only when connect with CMS, Default is “OFF”).

**Note:** When operating, mainframe will sound “BI” for nine times, indicating wired security zone is error. If Light of mainframe is flashing, indicating some detectors are not working (Should check in time). When sound “Bi” for one time, indicating set alarm successfully.

**Remote Control:** Use the telephone to control remotely

**Telephone line:** Ordinary phone line.

**Installation Password:** Password uses to set the mainframe

**Disarming password:** Password uses to keypad disarm or remote control. (DEFAULT IS 000000)

**CALLID-ARMICALLID-DISARM:** Free to dial CALLID to arm/disarm (Available only when connect with CMS)

**CMS Format:** 1. AOLIN Format, our CMS protocol, ONLY working with our CMS.

2.CONTACT ID Format, ADEMCO protocol (widely using). Default is AOLIN, The CID mode with odd number of greater than or equal to 1,3,5,7,9. The Aolin mode with even number of greater than or equal to 2,4,6,8. Select any one of them is OK, Default is “00”.

## V. Error & Solution

Error	Cause	Solution
The Light of mainframe is not on.	AC 220V power is cut or 0.5A fuse of adapter is cut, and check the voltage of storage batter.	Recover AC 220V power or change 0.5A fuse of adapter
All Wireless signal are invalidation	Was disturbed by the same frequency or the code was deleted.	Contact with the dealer or learn code again
Cannot be connected with CMS	The user’s code or CMS number is not input, or incorrect.	Input again
Signal receiving distance was shorten	The antenna not pull out or close to the metal	Pull out the antenna, avoid close to metal.
Detector sending distance was shorten	Battery of detector Voltage is too low	Change the battery
Sound “DI” without any operation	AC power is cut or electric is supplied by batteries.	Check AC power, Recover AC power
Back-up batteries do not work	Back-up batteries is damaged	Change the battery

