

## Part 8. System accessories

Basic accessories:

- 1) Alarm master unit
- 2). Wireless remote controller
- 3). Wireless door magnet sensor
- 4). Wireless PIR detector

Option accessories:

- 1). Wireless smoke detector
- 2). Wireless gas leak detector
- 3). Wireless emergency button
- 4). Active infrared beam detector
- 5). Wireless doorbell button
- 6). Wireless siren
- 7). Wireless vibration sensor

## Part 9. General Reminder

1. If you don't want to use in a short time after purchase, please attn. the following when you need to store them within a short term or long term.
    - A. Stored in ventilating place, avoid direct sunlight, and far away from very high or low temperature.
    - B. Keep it away from the wet or dusty place.
    - C. Take out the batteries in the master unit and its accessories.
  2. Install the master unit and its detectors stability during using them.
  3. The master unit and the detectors should not be installed the place where there have a strong electromagnet interference, please pull out the antennas of the master unit and the detectors longer under the condition of no influence to your home elegance, and make sure the signals can be received correctly.
  4. Do *not* try to repair the alarm system. Consult your local authorized dealer for further assistance.
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## User Manual

### Wireless Intelligent Alarm System

HM 2098



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Acknowledgement:

Thank you for choosing our *Hanter® Intelligent Wireless Alarms* to achieve optimum performance of the system, kindly read the manual.

Item	Issues	Possible Cause	Solution
8	Alarming LED light always on	Control Panel not disarmed properly	Disarm again.
9	Control Panel can auto-dial preset telephone number but cannot activate the siren	Activated the Silent Alarm feature. (For Model 2088 series onward)	Deactivate the Silent Alarm feature.
		The siren jack not plug-in properly	Plug the siren jack properly.
10	No voice message was heard when receive telephone call.	The telephone line connected to Control Panel is over loaded	Use a non-extension telephone line
11	Unable to Long Distance Remote Control the Control Panel via Telephone	Key in wrong Password	Key in password again.
		Password keyed in too fast	Key in password slowly.
12	Additional detector unable to match the coding with Control Panel	The frequency of the detector is different from Control Panel	Make sure both detector and Control Panel is same frequency
		The coding chips of detector is not compatible with Control Panel	Make sure the coding chips of detector is compatible.
13	Control Panel disarm automatically	Control Panel accidentally saved foreign signals that can cause interference	Erase it and reset
		The disarm button of Keychain Remote Control has been depressed.	Release the depressed disarm button
14	Control Panel occasionally trigger false alarm	Motion Sensor located at the area near to pets activities.	Re-adjust the motion sensor location.
		Motion Sensor located at the area near to window that is heavy in air circulation.	Re-adjust the motion sensor location
15	Unable disarm by Keychain Remote Control or need to shorten the distance to disarm	The Control Panel is in the process of auto-dialing	Wait till it finishes auto-dial then you may disarm
		Keychain Remote Control battery is low energy	Change the battery

**Part 7. Trouble Shooting**

Item	Issues	Possible Cause	Solution
1	Telephone line is in working condition, but unable to make call to preset telephone numbers when alarm is triggered.	Telephone line to Control Panel may not be connected properly	Ensure the telephone line to Control Panel is well connected.
		Pre-set auto-dial numbers is not properly programmed.	Program the preset auto-dial numbers in accordance to the user manual.
2	Control Panel trigger siren immediately while enter arming status, but no auto-dial was make.	Telephone line to Control Panel may not be connected properly. (Activated the anti-cut function)	Ensure the telephone line to Control Panel is well connected
3	Control Panel is in working condition, but the detector has no response	The batteries energy of detector is low.	Change batteries
		Interference of external signals.	Test the Control Panel and detector in close range
		The battery is not well connected	Reinstall the battery or clean the battery contact point
4	No response from Control Panel when power is on	The power supply is not well connected or not in working condition,	Reconnect the power supply and make sure it plug-in to right port or change the new adapter.
5	During the disarming status, siren triggered and auto-dial the preset telephone numbers	One of the detectors might coded with Emergency Mode coding	Reset the coding of the detector according to the type of detector
		Control Panel saved signal the can cause interference	Delete the saved signal of the Control Panel and reset the coding of detectors
6	Alarm is triggered but the alarm led light is not on	Telephone line to Control Panel may not be connected properly	Ensure the telephone line to Control Panel is well connected
		The preset auto-dial number is not programmed	Program the preset auto-dial numbers
7	Control Panel can auto-dial to preset mobile phone numbers, but the success calls rate is inconsistently	The telephone line connected to Control Panel is over loaded with too much extension lines	Change to a non extension telephone line.

**Part 1 - System Overview**

The HM 2098, Hanter® Intelligent Wireless Alarms, has a Micro-Processor Chip and wireless RF Control Technology to ensure the reliabilities, easy installation and operation of the system.

The system consists of a Control Panel that can be installed inside any hidden area of an office or home. The monitoring sensors such as Wireless Infrared Detector, Wireless Door/Window Magnetic Switch, Wireless Vibration sensor, Wireless Smoke Detector and Wireless Gas Leak Detector etc. can mount onto a spot that requires monitoring. The arming and disarming of the system can operate through the Keychain Remote Control or keypad of the Control Panel. When the system is armed, any of the sensors/switches/detectors detects a signal will wirelessly transmit signal to the Control Panel. It will then trigger the built-in siren and immediately autodial the preset phone numbers to transmits the pre-recorded alarm voice message to the phone owner or monitoring centers. When the alarm signal received, the owner or the monitoring center can take the appropriate action or even report to the police accordingly. All process will only take a few tens of seconds. The Alarm System also includes functions of Wireless Door Chime button. It can also match with wireless siren.

The other additional feature is to protect in case of emergency at home for the aged persons or children. The Emergency Help Button can be triggered in order to auto-dial the preset telephone numbers to call for help. The alarm system will guard your home when you are away or resting.

**Part 2. System features and functions**

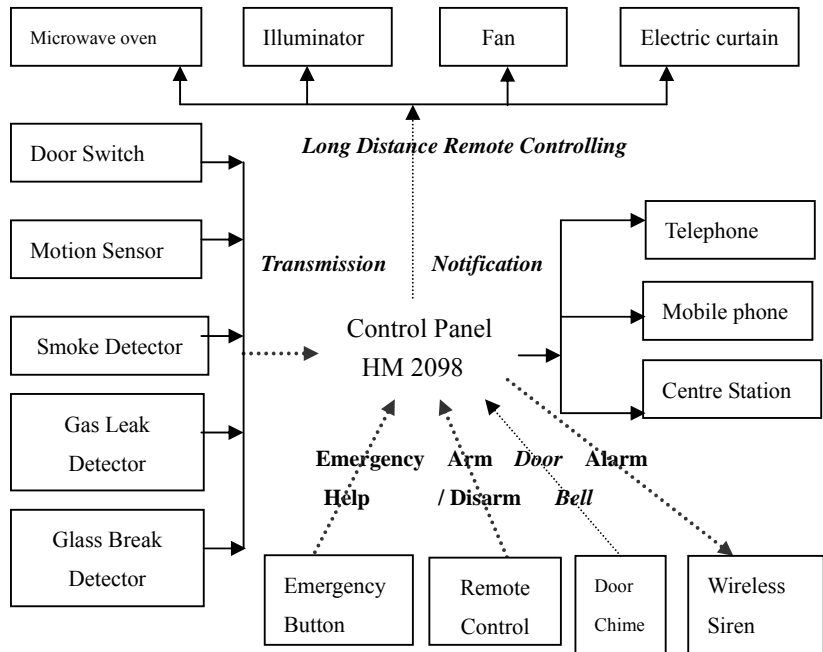
1. Wired/wireless compatible, 8 wireless defense zones and 4wired defense zones.
2. Each defense zone could be indicated by LED on the panel.
3. Arm/disarm by keypad or remote control
4. Home alarm, away alarm, each zone's arming/disarming can be set at will;
5. Long distance control: Arming/disarming, field listening in, turning on/off siren, listening to the records;
6. Save alarm information for ever, self check and alarm when the telephone line is cut;
7. Build-in siren, outside wireless siren also can be matched.
8. Pre-record 10 secs of voice message;
9. Can set 4 user's phone numbers and 2 alarm center numbers and loop auto-dial 3 times
10. Auto-pairing, can store 64 pcs of detectors, 8 pcs in each defense zone and can learn 8 pcs of remote control
11. Support wireless doorbell

12. No connecting to outline and no any number set, the system can be used as an alarm alone, and the siren will alarm for 3 minutes if triggered
13. Alarming for phone line cut and short circuit. The siren will alarm for 20s when cutting happens
14. Network compatibility, electronic maps display.



WD –wired defense zone  
 WL - wireless defense zone  
  
 A/DA – arm/disarm  
 Rec-record  
 Tel -telephone Set  
 Pair  
 Check Bypass

**Part 3 – System Workflow**



- 5) Press ## to disarm.  
 When the listener has been sure of the field situation and alarming place, and thinking it is unnecessary to dial or alarm, he can dial # for twice or more within 2s to remove the auto-dial and recover original state.  
 Attn: A) The above three status before hanging up the phone can be repeated and operated alternatively through above operation.  
 B) After finish the 4 processes mentioned above, the control panel will emit “DI,DP”, if you haven’t press any key within 12s, the control panel will hand up automatically.

**Part 6. Alarm Mode**

- In the alarming status, if the control panel receives the signal from the detectors, it will alarm at once, please refer to the following:
1. If not connected with the phone line or no tel. number set, it will start sound alarm immediately when triggered, and end after 180s, however, the system will be still in arming status.
  2. The tel. number is set, and the phone line connected normally, it will enter into the state of dialing alarm, after the tel. number dialed out. If it is in the state of sound alarm, the siren will hoot; if in silence, the siren will not sound, after tel. number dialed out, the system will hang up automatically and dial the next number if no answering within 36s.
  3. If the phone line is cut, it will start the sound alarming, and stop after 30s.
  4. The tel. number is preset, in alarming, it will dial telephone from No.1 to No.6, all operation repeated for 3 times.
  5. The whole process for a dialing
    - 1) Rush time: 2s      2) Hang up time: 2s      3) Dial time:3-4s for one number
    - 4) Delay time: 4s    5) Play time: 31s    6) Hang-up time: 1s
  6. The wired signal: as the alarm signal of Rank1, when power connected or in the end of arming delay, if the signal is in the state of triggering, the system will regard this signal as invalid, and won’t check this channel’s signal until the re-arm next time, and re- check for confirmation.
  7. The LED for defense zone indicating
    - 1) Rank1 arming: the LED indicator of 8 wireless defense zones will be lighting, and the valid wired defense zone will be lighting also.
    - 2) Rank2 arming: the LED indicator of defense zone 1,2,3 and bypassed wireless defense zones will be off,the other defense zones and the 8<sup>th</sup> zone ,meanwhile the valid wired defense zones will be on,
    - 3) During the delay time of arming: LED indictor of defense zone and alarming will be off, meanwhile setting indicator will be flickering rapidly.
    - 4) Alarming: LED indicator of the alarming and defense zones will flicker.
    - 5) Alarming stopped and un-disarming: LED indicator of the alarming and defense zones will flash.
    - 6) During the process to send the arming and disarming status to the control panel, which can be removed through the disarming key of remote controller.

Delete: press[Pair] →#→digital(1-9)

if password needed, press[Pair] →password →#→digital(1-9)

All the detectors in the corresponding defense zone will be deleted.

Attn: If you choose password needed, then it also needed when deleting the detectors.

12) Bypass:

Step: press [Bypass] → press the defense zone number(1-8)

According to digital key you entered, it will decide the detectors valid or not in the corresponding defense zone, meanwhile the LED in all valid defense zones will be lighting for 3s.

13).Check:Step: press[Check] → digital (1-8)

Press the digital key(1-8), the LED flash times of the corresponding defense zone will f shows which number detector alarmed. When finished checking, the LED will turn off.

3. Long-distance operation

Dialing the local telephone no. connected with the control panel. After 8 rings tones (according to the pre-set), pick up the phone,enter the password after hearing “DI”, press “#” for confirmation (if input wrong password, you can re-input after heard “DIDIDIDIDI”) . If correct, the following operation would be carried out after heard “DI,DI”.

- 1) Press 1 enters into Rank1 (all defense zones be armed), emit “DI”;
- 2) Press 2 enters into Rank2, emit “DI,DI”;
- 3) Press 3 to disarm, emit “DI,DI,DI”;
- 4) Press 4 to keep silence,emit “DI,DI,DI,DI”;
- 5) Press 5 to make sound, emit“DI,DI,DI,DI,DI”;
- 6) Press 8 to open the field shouting function, after delaying 12s each time,it will enter into the listening in state;
- 7) Press 9 to open the field sound alarming, it will delay 12s each time;
- 8). Press 0 to listen in field alarming with silence, it will delay 16s each time; which can be used with the field shouting to realize a semi-auto. Dual talking function;
- 9) Press 7 to listen or re-listen the voice message record.
- 10) Press ## to hang up the phone.

Attn:A) If no any input operation within 16s, the control panel will hang up automatically;

B) If you haven’t press any key within 6s during inputing password after picking up the phone, the control panel will hand up automatically. If you key in wrong password for 3 times, the line will be disconnected automatically.

4. Telephone call Notification

After answering the alarm calling, the listener can carry out the below functions :

- 1) Press 7 to listen or re-listen the voice message record;
- 2) press 0 to listen in the field by silence, the listening time will be postponed 24s when press 0 each time.
- 3) Press 8 to open the field shouting function, it will be postponed 12s when press 8 each time, which can be matched with the field shouting to realize a semi-auto. Dual communicating function.
- 4) Press 9 to open the field alarming sound, it will be postponed 12s when press 9 each time. The master unit will hang up automatically if no any operation within 12s.

**Part 4. Simple operation construction**

1. Set the system function.(“s” stand for the [set] button)

Function	Pre set	Operation	Remark
Sound/silent alarm	0(sound)	S 2*1*(0, 1) #	1(silent)
Password protection	0(password unnecessary)	S 2*2*(0, 1) #	1(password necessary)
Phone line cut inspection	0(inspect)	S 2*3*(0, 1) #	1(not inspect)
Operation voice reporting	0(yes)	S 2*4*(0, 1) #	1(no)
Wireless siren	0(start siren)	S 2*5*(0, 1) #	1(stop siren)
Arming or disarming send to alarm monitor center station	0(send)	S 2*6*(0, 1) #	1(not send)
Arming delay time	0(0*10s)	S 2*7*(0-9) #	1(1*10s)
Alarming delay time	0(0*8s)	S 2*8*(0, 1) #	1(no delay)
Bell vibration times	8 times	S 2*9*(0, 1) #	0(10 times)

2. Set the password: press [Set]→[0] →\*→password→#

3. Save the number: press [Tel] →Tel. number→#→digital(1-6)

4. Message record operation: press[Rec] →\*, aim to the right position for recording.

5. Listen to the message pre-record: press [Rec] →#

6. System reset: press [Set] →[3] →\*→code→#

7. Long-distance operation (verify the password at first):

- |  |  |
|--|--|
| 1). Press 1: rank one arming               | 2). Press 2: rank two arming               |
| 3). Press 3: disarming                     | 4). Press4: silent                         |
| 5). Press 5: sound                         | 6). Press 8: field communicating           |
| 7). Press 9: open the field sound alarm    | 8). Press 0: silent listening in the field |
| 9). Press 7: listen to the message record. | 10). Press ##: hang up the master unit.    |

8. Alarming telephone call operation

- 1). Press 0: Silent listening in the field
- 2). Press 8: open the field communicating function
- 3). Press 9: open the sound alarm in the field.
- 4). Press 7: listening to the message pre-record
- 5). Press ##: hang up the master unit.

9. Pairing: press [Pair] →\*→digital (1-8) stand for detectors, “9” stands for learning with remote controller.


10. Check : press [Check] →digital(1-8)

11. Bypass: press[Bypass] →digital (1-8)


## Part 5. System instruction

### 1. Operation of remote control

#### 1). Rank1 Arming


Softly press the “” of the remote controller, the control panel will emit “DI” and enter into the Rank1 arming status, which is also called “Away Arming”. The system will be armed after the time delay

#### 2). Rank2 Arming


Press “” of the remote controller, the control panel will emit “DI, DI”, and enter into the Rank2 arming status, which is also called “Home Arming”. In this status, the wireless defense zone No 1,2,3 and the bypassed zone will not receive the alarm trigger signal.

Attn: after the delay time of Rank1 or 2, it will inspect the wired defense zone immediately, if no detectors connected or some error with the detectors, the system will regard the defense zone invalid, and the related indicator light being off.

#### 3). Emergency alarm

Press the “” button of the remote controller the system will alarm at once whether the system is at arming or disarming status,

#### 4). Disarming

Press the disarming button “” of the remote controller, the control panel will emit “DI, DI, DI”, all the defense zone will be disarmed at the same time.

Attn: A). If the arming or disarming status is sent to the alarm monitor center station, only the first number will be dialed.

B). Zone 8 is 24hrs arming status, it will be invalid only in the disarmed and bypassed status, or else it will be valid all time.

#### 5). Doorbell operation

Press the doorbell button (optional accessory), the control panel will emit “Ding dong” for 5 times.

### 2. Operation of alarm panel

#### 1). Set and change the password

The default password is “1234”, you may change this password according to the following steps.

Press the [set] on the control panel, press “0” and “\*”, then input the new password (max. 16 digitals) and follow by “#”. The control panel will emit “DI, DI” to confirm successfully setting. Attn: There is voice instruction at each operation step.

Step: press[set] →[0] →\*→new password→#

Attn: The password can be reset anytime by repeat the above step.

#### 2). Set the tel. number.

Step: press [Tel] →tel. number →#→number (1-7)

Attn: A. if the tel. number is less than three digitals, it is invalid. The number 1-7 is the sequence number of the tel. number saved;

B. If the alarm central monitor station (CMS) is used, the telephone no. must be stored on memory No.1 and the six digit user code provided by the CMS must be stored on memory No. 8.

#### 3). Set the telephone number with extension

For example: to set 12345678 – 810 as group 1 of telephone number

Step: press [Tel] →12345678→\*→ 810→#→1

#### 4). Change or delete the tel. number

If altering needed, only re-input is ok; if deletion needed, press [Tel] → # →number.

For example: If you want to delete the second tel. number, please press [Tel] → # →2

#### 5). Recover system to the original status.

Step: press [Tel] →3→\*→ password→#, the control panel will emit “DI,DI”, the system will recover to the original state (refer to the system function in attached table in PART 2), the password recover to “1234”, the 8 group telephone numbers will be removed, and all the defense zone will be valid.

#### 6). Set the system function. (Refer to the system function in attached table in PART I)

#### 7). Voice message Recording & playing.

Press [Rec] key and ‘\*’, the control panel will emit “DI,DI”, the setting indicator LED will light, record 10s voice message into “record” port of the control panel. Sample of message:”Help! Help! Help! Alarm is triggered at No. 86, Northern street, Uptown, please help!”. When finished recording, press “#” to exit.

Note: If the record time is longer than 10s, your record will come to an end automatically, with the LED indicator light off. The message can be re-recorded anytime by following the above steps. Any languages can be used to suit your practicality, as long as the voice projection are loud and clear.

#### 8). Play back recording: Step: press [Rec] → #

The record can be heard, press “#” to exit or it will finish automatically when over.

#### 9). Arming the system

In the disarming state, press [A/DA] button of control panel, it will emit “DI,DI”, then press “#” and “1” or “2” (“1” stands for Rank1 “away arming”, and “2” stand for Rank2 “home arming” and the detectors’ signal from the bypassed zone won’t be received)

#### 10). Disarming the system

In the alarming state, press [A/DA] button of control panel, it will emit “DI,DI,DI”, to disarm the alarm.

The disarming under the situation of alarming state should be set according to DATA 2, if the password needed, press “arming/disarming”, then enter the right password, the alarm will be disarmed.

Step: press [ A/DA ] button→#→1 for Rank 1 arming

press “arming/disarming” button→#→2 for Rank 2 arming

press “arming/disarming” button→password→# for disarming

#### 11). Code/pair-learning of detector and remote controller

Step: press “Pair” →#→digital (1-9), the LED for related defense zone will lighting→trigger the detector or remote controller→the indicator LED flash and off after, it shows the pairing successful. If the numbers of detectors in a defense zone are more than 8, the LED will turn off immediately and not flash. Or else the system will exit from pairing status.

If press digital 9 , all the lights in the defense zones will be on all time, which shows it is ready for receiving the signal from the remote controller, 8 wireless remote controllers can be matched with the system.