CN2HK LIMITED

Wireless AUTODIAL GSM SMS Home Alarm Security System 900/ 1800/ 1900Mhz(CK-GSM-9003)

User Manual

Please read this manual before operating this product.

After you finish reading this manual, store it in a safe place for future reference.

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Product Description

This wireless GSM alarm system provides extra security over ordinary wired phone line system preventing cutting lines. This advanced model has a built-in UPS battery and prove to provide 24 x 7 non-stop alarm service. Its built-in memory can store 6 pre-set emergency phone numbers and SMS messages. Once the alarm is triggered by any detectors, the siren would loud and the system will automatically dial to your pre-set phone numbers one by one automatically and/or send SMS messages to alert you. Not only this but you could listen to your protected house and hear what is going on there.. The system factory kit (default) includes two wireless zones detectors: wireless PIR Motion Sensor and Magnetic window/door contact. You can add more different kinds of detectors to fulfill your IDEAL HOME ALARM SYSTEM, including PIR, GAS LEAKAGE DETECTORS, SMOKE DETECTORS and MAGNETEC WINDOW/DOOR CONTACT, etc. This All-in-one GSM AutoDial SMS Home Security System is very easy to install and ideal for DIY.

Product Interfaces

1.   Network LED
2.   ARM LED
3.   Power LED
4.   Antenna
5.   Microphone
6.   Alarm LED

Back Panel:

1. Power Slot for connecting to a 6V power supply
2. Siren Slot
3. On/Off switch for internal rechargeable backup battery

Side Panel:

Specifications

- GSM Frequencies: GSM 900/1800/1900 Mhz
- Wireless Frequency: 315Mhz or 433Mhz
- Working Resistance: 1.5M (muse)
- Power Supply: 6V, 2A
- Antenna: 100 meters without signal interference
- Stand-by Current: <90mA
- Alarm Current: <200mA
- Power Consumption: 0.5W
- Built-in Li-ion internal rechargeable backup battery: 1800mA 3.6V
- Remote two-ways intercom
- Built-in internal microphone for remote listening in
- Emergency Phone Calls
- SMS Messages Alert
- Come with a wireless keypad for programming
- Set Alarm ON/OFF by remote controllers
- Remote control alarm unit by phone dial-in
- Remote control alarm unit by sending SMS messages
- Can record a 10 seconds voice message
- Can Store 6 emergency phone numbers with extensions supported (optional)
- Can Store 1 phone number for receiving SMS messages
- 13 ZONES FOR WIRELESS SENSORS
- Partial ARM mode
- SMS Messages Alert on EXTERNAL POWER FAILURE OR RECOVERY

Before Start

1. Please prepare a GSM SIM card which fulfills the following requirements:
   i. Unlocked with no PIN code embedded.
   ii. On GSM frequency 900/1800/1900Mhz
   iii. Without any telephone numbers or messages stored.
2. Please note that this is a pure GSM alarm system which cannot be functioned without inserting a proper GSM SIM card. Also, all emergency phone numbers or SMS messages would be dialed / sent via the GSM SIM card's network.

How can I start the alarm unit

1. Connect the antenna to the alarm unit. Just install it to the antenna slot.
2. Insert proper GSM SIM card into the SIM card slot on the side panel.
3. Connect the power supply to the alarm unit. The power supply must fulfill the following requirements:
   i. 6V
   ii. Over 1000mA current
4. Please do not just use the internal backup battery to operate the alarm unit at the first time, as it is not fully charged. Fully charging the internal battery takes around 12 hours which is automatic whenever the alarm unit is connected to the power supply and outlet. The internal battery can supply enough power to operate the alarm unit for around 6 hours after fully charged.
5. After connecting the alarm unit to power supply and outlet, the alarm unit will be turned on immediately.
   You will hear a beep sound. The Power LED will light up
   The ARM LED flashes which means the alarm unit is searching for GSM network. It lasts for about one minute. It may take longer time for your first time turning on the alarm unit or changing another new GSM SIM card.
   If GSM network is found successfully:
   - You will hear a long beep sound
   - ARM LED stop flashing and becomes solid light
   - NETWORK LED flashes
   If the alarm unit is failed to find GSM network:
   - You will hear constantly short beep sound
6. The alarm system is now on ARM status.
7. Connect the siren to the siren slot on the back panel.

How can I reset the operation password

The default password is 1234. You need this password to program the alarm unit no matter by wireless keypad, phone dial-in or SMS message in.
You could change your desired password by inputting the following commands using the wireless keypad:
 # 7 * <New Four Digits Password> #
For example, if you want to change the password to 9876, the command should be:
7 * 9876

Note: You will hear a confirmation beep sound on every key press on the wireless keypad. If no beep sound is heard on one key press, please press again.

How can I record voice message

You could record a voice message (Maximum 10 seconds long) to the alarm unit. After that, this voice message will be played on emergency phone calls.

Commands using the wireless keypad:

 # 9 * 8 0 <4 digits password> #

After you inputting so, the ARM LED will turn on. You could now leaving your words near the alarm unit (around 20 cm). Press any keys on the wireless keypad to finish recording. (The process will be completed automatically after 10 seconds and you do not need to press any keys on keypad)

After that, you will hear a short and a long beep sound which means operation success.

How can I store emergency phone numbers

1. You can store totally 6 emergency phone numbers to the alarm unit. Whenever alarm is triggered, the alarm unit will dial to those emergency phone numbers one by one until someone answered the call and disable it.

   You could save emergency phone numbers to the alarm unit by inputting the following commands using the wireless keypad:

   # 1 * <First emergency phone number> #

   # 2 * <Second emergency phone number> #

   # 3 * <Third emergency phone number> #

   # 4 * <Fourth emergency phone number> #

   # 5 * <Fifth emergency phone number> #

   # 6 * <Sixth emergency phone number> #

   If your emergency phone number has extensions, the command format is:

   # ? * <Emergency phone number> * <Extension number> #

   For deleting emergency phone number, the command format is:

   # ? * #

   For example, if you want to delete the first emergency phone number record, input:

   # 1 * #

   Note: One short and one long beep sound means operation is completed successfully.

   Constantly short beep sound means operation is failed.

2. You can store 1 phone number for receiving SMS messages. Whenever alarm is triggered, the alarm unit will send a SMS alert message to your phone number.

The message content is as follows:

1st zone alarm!

2nd zone alarm!

3th zone alarm!

......

Also, on AC power loss/ failure and recovery, the alarm unit will send a notification SMS message to you too.

The messages content is as follows:

AC power shut off

AC power recovered

You could save phone number for receiving SMS messages to the alarm unit by inputting the following commands using the wireless keypad:

 # 0 * <phone number> #

To delete the phone number and disable the sending SMS message feature, please use the following command:

 # 0 * #

How can I enable the siren sound when alarm is triggered

Please input the following command by wireless keypad:

 # 9 * 1 #

Note: By default, the siren sound is enabled.

How can I mute the siren when alarm is triggered

Please input the following command by wireless keypad:

 # 9 * 0 #

How can I enable siren prompt sound by remote controller

After enabling it, whenever you press any keys on the remote controller, the siren will sound once.

Please input the following command by wireless keypad:

 # 9 * 3 #

How can I disable siren prompt sound by remote controller

Please input the following command by wireless keypad:

 # 9 * 2 #

How can I set the siren hooting time

You could set the siren hooting time from 1 minute to 9 minutes. This is the time period for siren sounds whenever alarm is triggered. Default is 1 minute.
Please input the following command by wireless keypad:
 # 9 * 4 <1-9> #
For example, if you want to set the siren hooting time to 5 minutes, please input:
9 * 4 5
If you want the siren keep hooting until you disarm the alarm system, the command is:
 # 9 * 4 * #

How can I factory reset the alarm unit

Please input the following command by wireless keypad:
 # 9 * 6 9 <4 digits password> #
After that, the alarm unit will be restored to its original factory status. All emergency phone numbers and recorded voice message will be erased.
Note: You may need to re-synchronize your remote controller once after resetting the alarm unit. Please take reference to "How can I add new remote controller" section.

How can I add new remote controller

Please input the following command by wireless keypad:

 # 9 * 9 0 <4 digits password> #

Then, press any keys on the new remote controller.

After operation success, you will hear a short and a long beep sound.

Note: After that, all wireless sensors / remote controllers with the same address code as that synchronized remote controller would be automatically synchronized to the alarm unit.

Operation Command List

Code	Function
#0*<phone number>#	Store phone number for receiving SMS messages
#1*<phone number>#	Store first emergency phone number (dialed when alarm)
#2*<phone number>#	Store second emergency phone number
#3*<phone number>#	Store third emergency phone number
#4*<phone number>#	Store fourth emergency phone number
#5*<phone number>#	Store fifth emergency phone number
#6*<phone number>#	Store sixth emergency phone number
#7*<4 digits>#	Set new system operation password
#8*<6 digits>#	Set PC network ID codes (This is only applicable for enhanced model)
#9*0#	Mute Siren
#9*1#	Enable siren sounds when alarm is triggered
#9*2#	Turn on siren prompt sound by remote controller
#9*3#	Turn off siren prompt sound
#9*4<1-9>#	Set Siren Hooting Time (1-9 minutes)
#9*80<password>#	Record voice message
#9*90<password>#	Synchronize new remote controller
#9*69<password>#	System Reset

Working with Remote Controllers

The remote controller has four buttons:

1. Outdoor ARM (Full ARM)
   Pressing it will change the alarm unit to Outdoor ARM mode which all zones detectors will function.
   One beep sound will be heard.
2. Indoor ARM (Partial ARM)
   Pressing it TWICE continuously will change the alarm unit to Indoor ARM mode which Zone 2 sensors are disabled while other zones sensors will function normally.
   One long beep sound will be heard.
   Press the Outdoor ARM button will change it back to fully ARM status.
   Note: Please refer to later chapter "How can I add more detectors" which guilds you how to set sensors to zone 2.
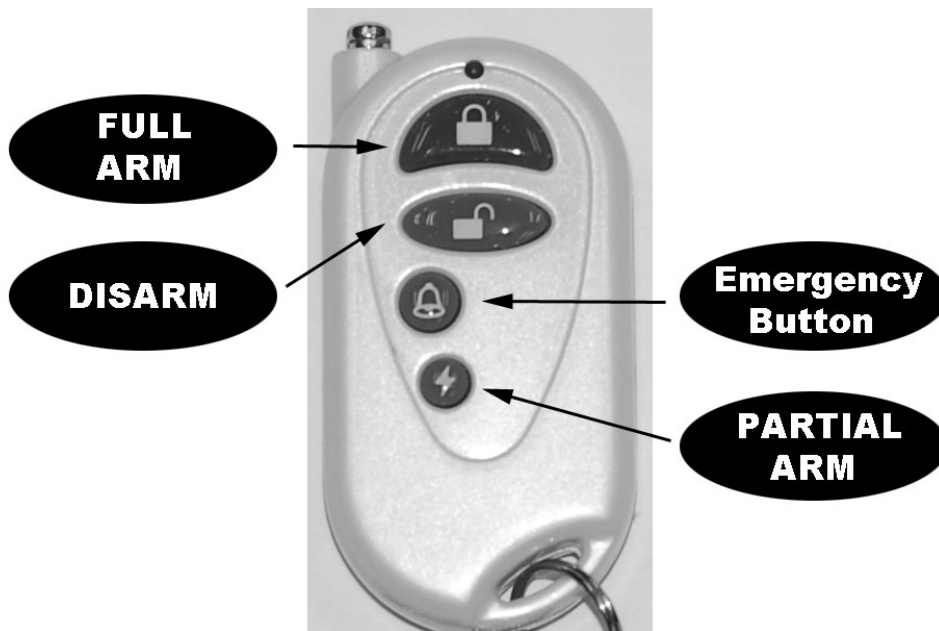3. DISARM
   All detectors will not function afterwards, except emergency buttons.
   One beep sound will be heard.
4. Emergency Button
   It will trigger the alarm immediately. The siren will sound, followed by dialing emergency phone numbers and sending SMS alert messages (unless you disable it).

How can I add more detectors

You can add new sensors or detectors, such as wireless door sensors, PIR Sensors, gas and smoke detectors into the alarm system. But all detectors must fulfill the following requirements:
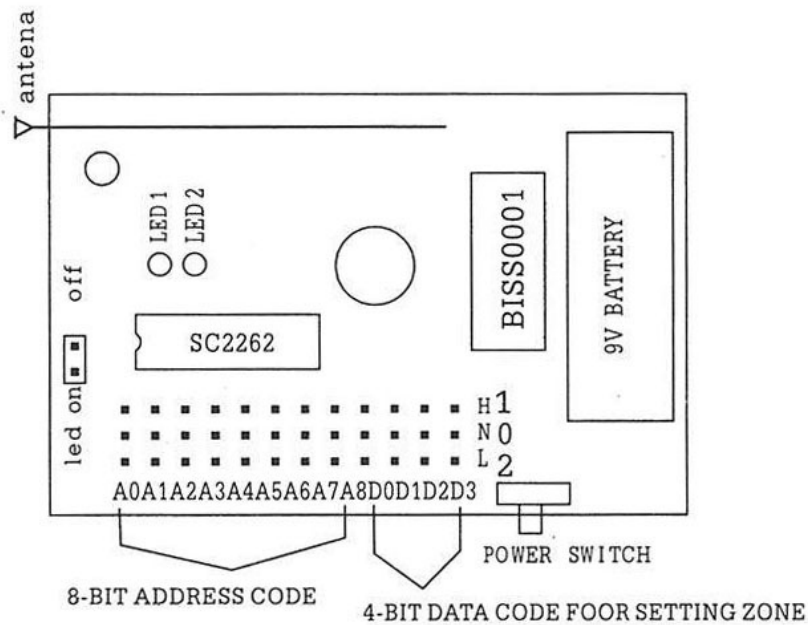
- On wireless frequency 315Mhz or 433Mhz (depending on your model)
- With working resistance 1.5M (muse)
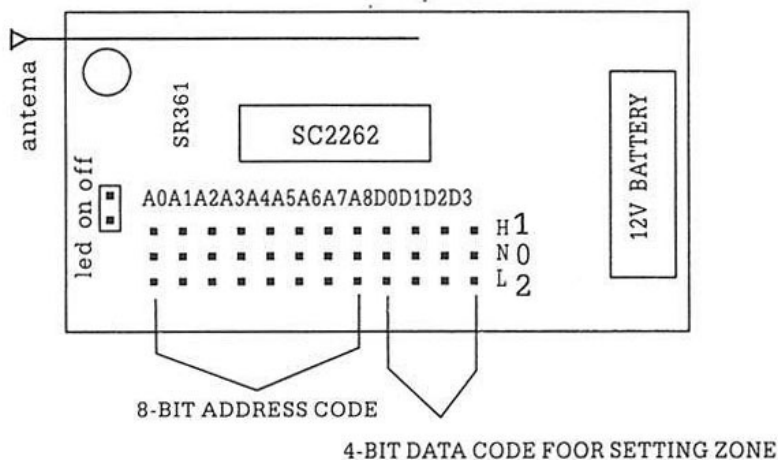
The procedure is as follows:

1. Open the case of the new wireless sensors. You will see that there are columns for placing some black small jumpers.

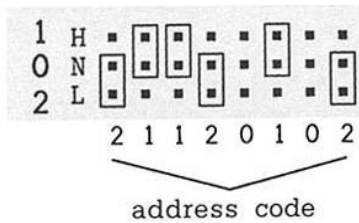   Below are some examples of wireless sensors:

    <u>PIR Motion Sensor</u>

<u>Door Sensor</u>

2. Please note that A0-A7 is the 8 bits address code which must be set to the same code as the alarm unit. The address code is printed on a small label at the back of the alarm unit.

   For example, if your alarm unit's 8 bits address code is 21120101, please place the black jumpers as follows:

3. Place jumpers on D0-D3 for setting zones as follows:

Zone	Code	Characteristic
1	2122	
2	2211	Not function on Partial ARM mode
3	1111	
4	2112	
5	2121	
6	1211	
7	1122	
8	1112	
9	1212	
10	2222	
11	2111	
12	1221	
13	1121	

How can I synchronize a wireless keypad to the alarm unit

In case of the alarm unit does not respond to the wireless keypad or you want to add another new wireless keypad to the alarm system, you have to follow below steps to synchronize it to the alarm unit:

1. Power off the alarm unit
2. Screw open the case of the alarm unit
3. Press and hold the center reset button on the circuit board
4. Power on the alarm unit by connecting it to the power supply or switching on the internal backup battery
5. You will then hear one long and one short beep sound.
6. Release the center reset button
7. Press any keys on the wireless keypad
8. You will hear one long beep sound
9. Wait for the alarm unit initialization completed
10. Wireless keypad synchronization completed.

Note: Please take reference to this youtube video:

   http://www.youtube.com/watch?v=TVwqu5yEh_4

How can I remote control the alarm system by phone dial-in

1. Dial to the GSM SIM card number, the alarm system will automatically answer your call after 3 rings.
2. Meanwhile, you will hear two beep sounds
3. Input 4 digits password using your phone
4. You will hear two beep sounds after correctly input password
5. Then, you can input the following commands:

   1: For listening to the surroundings from the microphone of the alarm unit

   2: Turn on Siren immediately

   3: Turn off Siren

   4: Full ARM the alarm system

   5: DISARM the alarm system

   #: Hang up the call and exit

   Note: You could input the above commands too during emergency calls without the need of inputting 4 digits password, after hearing your recorded voice message.

How can I remote control the alarm system by SMS messages

To enable remote controlling the alarm system via SMS messages, you must first store a phone number for receiving SMS messages by command: **# 0 * <phone number> #**

After that, you can send the following SMS messages to the GSM SIM card number, to control the alarm system:

1. **<4 digits password> ARM**, eg. 1234ARM

   The alarm unit will reply to your stored phone number via SMS message: Host is activated!
2. **<4 digits password> DISARM**, eg. 1234DISARM

   The alarm unit will reply to your stored phone number via SMS message: Host is deactivated!
3. **<4 digits password> ONSIREN**, eg. 1234ONSIREN

   The alarm unit will reply to your stored phone number via SMS message: The siren is opened!
4. **<4 digits password> OFFSIREN**, eg. 1234OFFSIREN

   The alarm unit will reply to your stored phone number via SMS message: The siren is closed!
5. **<4 digits password> CHECK**, eg. 1234CHECK

   The alarm unit will reply to your stored phone number via SMS message:

   Host is activated! or Host is deactivated!

Note: Those SMS messages must be in Capital Letter !

Notes For Yourself