

**Nuzon Technology Inc.**

**Wireless Security System  
HG-1500 Series**

**OWNER'S MANUAL**

# INTRODUCTION

Congratulation on choosing a Sonic Safety <sup>TM</sup> wireless home security system. These HG-1500 systems are high-quality, reliable and versatile. This system provides both two-ways voice communication facility and digital signals transmission. To ensure the best performance of your system, please read this manual thoroughly and follow the precautions and instructions presented. These systems are designed to be simple and easy to install and maintain.

- **Wireless easy to use** – no messy and expensive wiring is required to install the system.
- **Expandability** – you can add different kinds of accessories to the system to create a more complex system as your future needs may require.
- **Flexibility** – you can choose the kinds of sensors and response actions for the system.
- **Personalized** – program the system to notify whoever you choose in the case of alarm activation.

## System Package Included

|         |                                        |
|---------|----------------------------------------|
| HG-1500 | Main Console                           |
| HG-120  | PIR Motion Detector...                 |
| HG-122  | Door/Window Detector (12V Battery)     |
| HG-123  | Door/Window Detector (9V battery)      |
| SR-119  | Remote Control Handset                 |
| SS-207  | Wired External Siren with Strobe Light |

## Optional accessories

|         |                                        |
|---------|----------------------------------------|
| HG-118  | Smoke Detector                         |
| HG-124  | Door Keypad                            |
| HG-125  | Gas Detector                           |
| HR-126  | Range Extender                         |
| SR-117  | Panic Watch Transmitter                |
| SS-207  | Wired External Siren with Strobe Light |
| 8KR-700 | Rechargeable Battery (for HG-1500)     |

# **Planning for Installation**

The HG-1500 system is designed to be as flexible as possible in order to meet your present needs, and also to adapt as your needs change. For the reason, we recommend that you read and consider the following information and plan your system before installing devices.

## **Choosing location**

It is important to try and place the Main Console in an area central to the alarm sensors. This way, all of the devices, can transmit signals with maximum efficiency. The Main Console must also be positioned and need a power outlet and telephone jack.

## **About Passwords**

This system provides two sets of password to ensure more safety and security. You must enter the password in order to change memory data, such as pre-set telephone numbers; or to disarm the alarm system from the Main Console. The " Install " password is used for general functions setting, and the " Master " password is used for setting " Arm " or "Disarm" .

## **Installing the back-up battery**

Remove the battery cover on the bottom of the Main Console to install the backup battery set for AC power supply to ensure security system in normal operation when AC adapter out of work.

## **Setting Alarm Zones**

Before installation, you shall have the sensors to obtain learning codes via system learning mode of the Main Console . This system allows to install maximum 63 transmitters of any sensors.

## About the Main Console

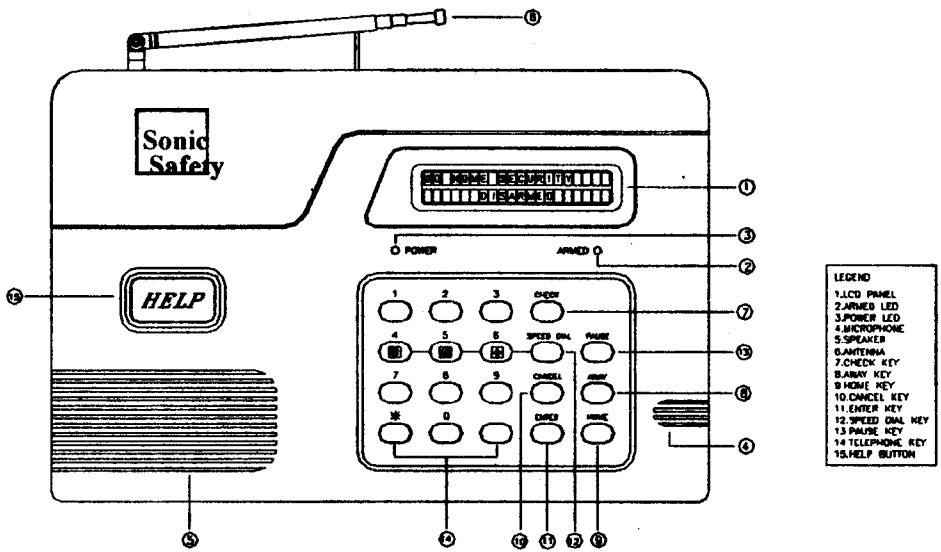
The Main Console is the heart of the security system. It monitors the sensors and the responds according to how it is programmed, whenever an alarm is activated.

The controls shown on the Main Console may look complex at the first sight, however, most procedures are straightforward and easy. Please review the illustration below which label all of the parts of the Main console. The following is a step-by-step guide for installing and programming the console.

We recommend that you install and program the console before installing the other components (sensors) of the system. This is to ensure that all of the components are working together properly.

1. **LCD panel** : shows the messages and/or status of setting and operating.
2. **Armed LED** : if 'on', system is armed; if 'off' system is disarmed.
3. **Power LED** : indicates the power is on or off.
4. **Microphone** : to record the emergency messages.
5. **Speaker** : sounds alarm and plays back messages.
6. **Antenna** : leave extended to enable maximum range of communication between the detectors and the Main Console Unit.
7. **Check** : review the memory data and check recording message.
8. **Away** : press to arm at " Away " mode when " Master " setting.
9. **Home** : press to arm at " Home " mode when " Master " setting.
10. **Cancel** : press to cancel the existing display and backward to last screen.
11. **Enter** : press to program entry.
12. **Speed Dial** : press together with "4" "5" and "6" to activate emergency dialing.
13. **Pause** : key for setting telephone number with PABX system.
14. **Numeric keys and #, \* keys** : for telephone setting included pound and star keys.
15. **Help** : one-touch button for emergency help.

All functions are to be activated by press password, except the 'Check' key, and all sensors are to be set up (installed) before operation. The LCD panel shows the menu structure to the tree with ramification starting through each sub-menu.

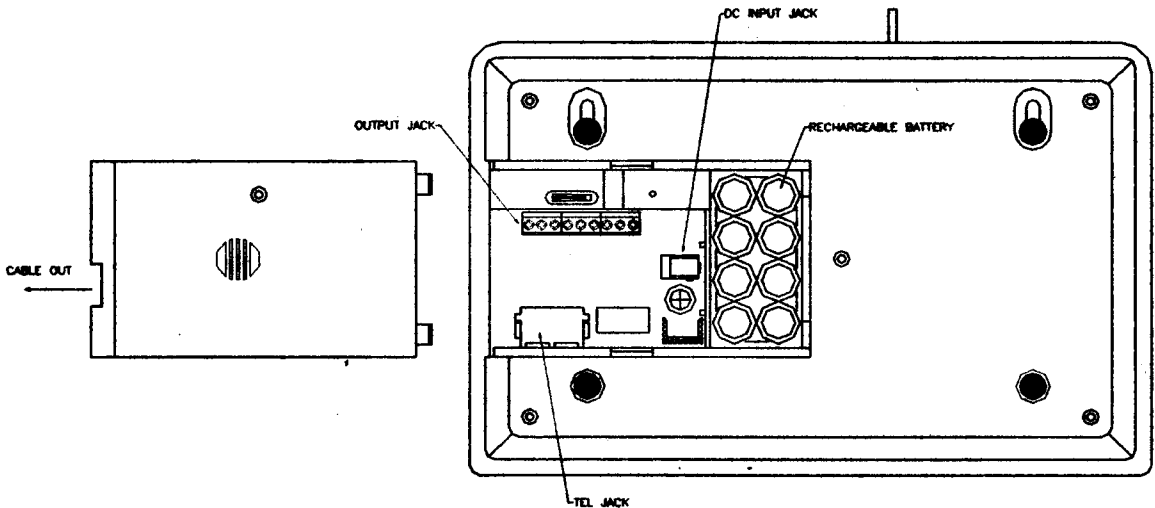


## Install the Main Console

Remember the Main Console must access to a power outlet and to a telephone jack. It also performs better if it is in a position central to alarm sensors. To Locate the rechargeable battery (If incl.) to the back inside, when opens the back cover and connects the correct polarity of the wires.

### Jacks on the back inside –

- a. Tel socket : to wall outlet.
- b. Tel socket : to telephone set.:
- c. DC 12V Jack : from AC power adapter.
- d. NC terminal block: for wired devices connection.
- e. Output terminal : for external siren and strobe light.



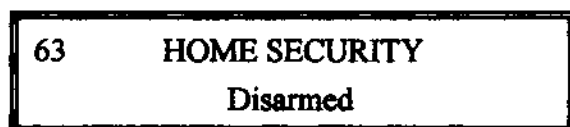
## Mounting the Console

The Main Console may be set on a tabletop, or mount on a wall. To mount the console on a wall, follow these steps.

1. Remove the two top rubber pads and store them away for future use.
2. Measure and fix screws into the wall so that the two screws fit into grooves left under removed pads.
3. Open the back cover and set the console onto the screws and carefully allow the console to drop into the groove securely from inside.
4. Connect all wire connection to the jacks on the back inside. and replace to back cover.

## Powering the Main Console

1. Locate the AC adapter
2. Attach the end of the adapter into the connector provided at the back inside of the console.
3. Watch as the LCD screen while power on.



Any function entry is to be worked within 1 minute, otherwise it will resume to initial screen and back to 24 hours alert.

## Connecting the Telephone Line

To correct the Main Console to the telephone line, follow these steps:

1. Locate the two phone jacks on the back inside of the console. These phone jacks are marked " Phone " and " Line ".
2. Connect one end of the telephone cord that came with the system into the connector labeled Line.
3. Connect the other end of that cord into the wall jack.
4. Connect a telephone to the Main Console through the second jack.
5. Replace the back cover and fix it securely.

**Note :** If it is more useful to "swap" cords with your existing telephone. This may be desirable if you need a longer cord for one connection or the other.

## Setting the Antenna

Carefully extend the antenna upward in order to maximize the range of communication between alarm sensors and the Main console.

## Function for installer – Factory default password :123456

1. Password key-in – enter password to start function menu.

. Incorrect password entering will show “ Access Denied” and will emit beep sound warning.

Access Denied

. Incorrect password enter, keyboard disabled and locked. Try it again after one minute idle.

HOME SECURITY  
KEYBOARD LOCKED

. If 9 incorrect password enter, system disabled and locked. Try it again after one minute idle.

System Lock

. Correct password enter (default 123456)

Pass  
Install Mode :

. LCD panel shown as below

Learning :            0 – SET  
1 – SEQUE    2 – OVR    3 – CLR

**1. SEQUE** : " Sequence" for code learning to set for zone setting

Select “ 1 – SEQUE ” to start zone setting, the number of sensor shown on the last words of LCD panel. This system allows to set Zone numbers maximum to 63 addresses, which means 63 transmitter can be installed.

Learning :            Sequent  
Trigger Sensor            01

.. While zone code entry success, LCD panel shown

|            |         |
|------------|---------|
| Learning : | Sequent |
| IN MEMORY  |         |

.. If sensor zone reenter, system reject and LCD panel shown

|                  |
|------------------|
| WARNING !!!      |
| Sensor In Memory |

. If sensor reach 63 zone numbers, LCD panel show

|             |         |
|-------------|---------|
| Learning :  | Sequent |
| Memory Full | 63      |

**2. OVR :** " Overlap " for code learning while overlap the zone set.    Select  
" 2 – OVR " to overlay the previous zone code entered.

|               |      |
|---------------|------|
| Learning :    | OVER |
| Overlay Num : |      |

|                |         |
|----------------|---------|
| Learning :     | Sequent |
| Trigger Sensor | —       |

**3. CLR :** " Clear " to clear for (1) single zone or (2) all zones.

# 1 for single zone

# 2 for all zones

|            |         |
|------------|---------|
| Learning : | CLEAR   |
| 1 – Single | 2 - All |

Select " 1 – Single " and LCD panel show

|            |          |
|------------|----------|
| Learning : | CLEAR    |
| Clear OK   | Num : XX |

Select " 2 – All " and LCD panel show

|                  |       |
|------------------|-------|
| Learning :       | CLEAR |
| Are You Sure ??? | Enter |

|            |       |
|------------|-------|
| Learning : | CLEAR |
| Waiting    | ...   |

|            |       |
|------------|-------|
| Learning : | CLEAR |
| Clear All  | OK    |

**0 -SET** Function menu – press 0 to start setting

|           |         |                   |
|-----------|---------|-------------------|
| Setting : | 0 – T   | 1 2 3 4 5 6 – P   |
|           | 7 – MSG | 8 – DIAL 9 - CODE |

- # 0-T** : 1. for exit time setting (Default is 30 seconds.) minimum 10 seconds,  
maximum 255 seconds.  
2. for alarm time setting (Default is 30 sec.)  
: 3. for entry time setting (Default is 30 sec.)

|           |           |           |
|-----------|-----------|-----------|
| Setting : | Time      | 1 - Exit  |
|           | 2 – Alarm | 3 - Entry |

. Select “ 1-Exit “ , LCD panel shown

|                    |
|--------------------|
| Setting : Time     |
| 1 – Exit : xxx Sec |

. Select “ 2 Alarm “ , LCD panel shown

|                     |
|---------------------|
| Setting : Time      |
| 2 – Alarm : xxx Sec |

. Select “ 3 – Entry “ , LCD panel shown

|                     |
|---------------------|
| Setting : Time      |
| 3 – Entry : xxx Sec |

**#1, 2, 3, 4, 5, 6, Numeric key** – to set telephone number (every numbers up to 20 digits)

: # 1 for neighbors, family members and friends in case emergency notify.

#2 - same as above

#3 – same as above

#4 – dial in case of Burglary, check police dept if acceptable.

#5 – dial in case of Fire, check fire dept if acceptable

#6 – dial in case of Emergency, check if hospital if acceptable.

|                         |
|-------------------------|
| Setting : Phone Num : 1 |
| xxxx xxxx xxxx xxxx     |

**#7 MSG** : to set recording message which contains 4 segments different recording message and each segment maximum to 15 seconds. When alarm trigger, recording message play one of first 3 segment depends on what sensor designated and next together with 4 recordings.

#1 record for Burglary help

while press #1, count down from 15 and starting recording.

#2 record for Fire help

#3 record for emergency (medical) help

#4 record for name, address and telephone numbers.

|           |         |     |
|-----------|---------|-----|
| Setting : | Message | Rec |
| Sel Msg : | 1 2 3 4 |     |

- Select " 1 " - to start first segment message recording (every segment 15 seconds)

|           |         |     |
|-----------|---------|-----|
| Setting : | Message | Rec |
| Sel Msg : | 1 15    | Sec |

Automatically playback and LCD panel shown

|           |         |      |
|-----------|---------|------|
| Setting : | Message | Play |
| Sel Msg : | 1 15    | Sec  |

**#8 DIAL :** to set Dial mode - default is #1 for single.

#1 for single attempt

#2 for 3 cycles attempt

|            |             |
|------------|-------------|
| Setting :  | Dialer Mode |
| 1 - Single | 2 - All 2   |

|            |             |
|------------|-------------|
| Setting :  | Dialer Mode |
| 1 - Single | 2 - All 1   |

**#9Code** : to make password change

**#1** for Install code

**#2** for Master code

Setting : Change Code

1 – Install

2 – Master

Setting : Change code

1 – Install

: 1 2 3 4 5 6

Setting : Change code

2 – Master

: 1 3 5 2 4 6

## Auto-dialer priority

This security system stores up to six (6) telephone numbers in the Main Console. If an alarm is activated, the auto-dialer will call the programmed telephone numbers and play your pre-recorded message.

Preset telephone numbers should be not more than 20 digits. The last three present (4, 5, 6 ) numbers in the auto-dialer's memory have been designated for the quick response to Burglary, Fire and Medial emergencies respectively. The firs three numbers are for your relative, friends, family, neighbors etc.,

**Burglary help** - dial 4<sup>th</sup> call , 1<sup>st</sup> call, 2<sup>nd</sup> call and 3<sup>rd</sup> call sequentially by 3 cycles attempt, when telephone answered, playback message #4 and #1 by 2 time announce.

**Fire help** - dial 5<sup>th</sup> call, 1<sup>st</sup> call, 2<sup>nd</sup> call and 3<sup>rd</sup> call sequentially by 3 cycles attempt, when telephone answered, playback message #4 and #2 by 2 time announce.

**Medical help** - dial 6<sup>th</sup> call, 1<sup>st</sup> call, 2<sup>nd</sup> call and 3<sup>rd</sup> call sequentially by 3 cycles attempt, When telephone answered, playback message #4 and #3 by 2 time Announced

## Function for Master – factory default password – 135246

Pass  
Master Mode :

Master  
A- AWAY H – HOME \* -CODE

Remember that Master function is to be entered with correct password, otherwise the system will be locked.

1. password key-in – enter password and LCD display shown

**A (AWAY)** : press "Away" button to set " Away " alert  
**H (HOME)** : press " Home" button to set " Home " alert.

63 HOME SECURITY  
Armed AWAY

63 HOME SECURITY  
Armed HOME

**\* - CODE** : press to select coding

**1- ID** - to select

#1. Auto - to communicate with Control Center (Surveillance Center) via DTMF signals.

#2 Manual - to send DTMF signal after ID code respond

**2- Central** - to set and change Central code.

Default code for ID code is " 555 5555 " and for Central is " 111 1111" , normally digits signal contains 7 digits which included Main Console code (4 digits), Zone code (1 digit) and Zone number (2 digits)..

|                  |                    |
|------------------|--------------------|
| <b>Setting :</b> |                    |
| <b>1 – ID</b>    | <b>2 – Central</b> |

. **Press #1- ID**, LCD display as shown

|                          |                   |          |
|--------------------------|-------------------|----------|
| <b>Setting : ID Mode</b> |                   | <b>1</b> |
| <b>1 – Auto</b>          | <b>2 - Manual</b> |          |

. **Press #2- Manual**, LCD display as shown

|                         |                |          |
|-------------------------|----------------|----------|
| <b>Setting: ID Mode</b> |                | <b>2</b> |
| <b>2 – Manual</b>       | <b>5 5 5 5</b> |          |

. **Press #2- Central**, LCD display as shown

|                              |                |
|------------------------------|----------------|
| <b>Setting: Central Code</b> |                |
| <b>Central</b>               | <b>1 1 1 1</b> |

## Special Functions

### Panic alert –

The Panic keys let you activate the auto-dial feature in an emergency. When you activate the Panic Alert, the external siren sounds and the auto-dialer begins dialing without any sensors being activated

- a. Speed dial + 4 : dial # 4 and first 3 calls .
- b. Speed dial + 5 : dial # 5 and first 3 calls.
- c. Speed dial + 6 : dial # 6 and first 3 calls

Press and hold “ Speed Dial “ button and “ 4 “ button of Burglary dialing , “ 5 ” button of Fire dialing and “6 “ button of Medical help simultaneously to activate emergency alarm and dial for emergency help. enter Master password to cancel it.

|            |            |
|------------|------------|
| Speed Dial |            |
| Tel Set :  | 4, 1, 2, 3 |

|            |            |
|------------|------------|
| Speed Dial |            |
| Tel Set :  | 5, 1, 2, 3 |

|            |            |
|------------|------------|
| Speed Dial |            |
| Tel Set :  | 6, 1, 2, 3 |

### Check -

To press Check button to check the memory data and follow the menu to check what you like to review.

|         |          |                |
|---------|----------|----------------|
| Check   | : 0 – T  | 1 2 3 4 5 6 –P |
| 7 – MSG | 8 – DIAL | * Code         |

**Check : 0-T : to check time setting**

#1 for exist time

#2 for alarm time

#3 for entry time

**1-6P : to check telephone number setting**

**7-MSG : to check message recording (#1, 2, 3, and 4) when press number key, will playback the pre-set recording message once.**

**8-DIAL : to check dial mode**

**\* CODE: to check coding setting.**

## **Two way communication facility**

This two way communication feature allow you while dial up for emergency help, the remote receiver can pick up telephone handset and talk together with telephone sender to make help before rescue arrival, or monitor the field of existence.

To operate this function, ensure to inform the telephone receiver to press “ 4 “button to activate this function, and press “ 0 “ to stop it , or will automatically terminate after 5 minutes idles

## **Arm or disarm from remote side**

This function allow you to dial your home telephone from outside to Arm or Disarm your security system, dial telephone till 10 rings, then entry password to select the “ Arm ” or “ Disarm ” to activate the telephone remote control which depends on the beep sound from telephone sender.

## **About Message Check**

This system will left message warning on LCD panel while sensor opened or triggered. which "MSG" blinking, you can press Enter button to read the Zone and number of sensor triggered, press Cancel button to cancel it.

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.