AAA PLUS™ Home Intelligent Centre
Model: AM-001

www.skylinkhome.com

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IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.

2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

3. Do not use the telephone to report a gas leak in the vicinity of the leak.

4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

5. Plug the adaptor to the socket-outlet that near the equipment and shall be easily accessible.

SAVE THESE INSTRUCTIONS

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IMPORTANTES MESURES DE SÉCURITÉ

Certaines mesures de sécurité doivent être prises pendant l'utilisation de matériel téléphonique afin de réduire les risques d'incendie, de choc électrique et de blessures. En voici quelquesunes:

1. Ne pas utiliser l'appareil près de l'eau, p.ex., Près d'une baignoire, d'un lavabo, d'un évier de cuisine, d'un bac à laver, dans un soussol humide ou près d'une piscine.

2. Éviter d'utiliser le téléphone (sauf s'il s'agit d'un appareil sans fil) pendant un orage électrique. Ceci peut présenter un risque de choc électrique causé par la foudre.

3. Ne pas utiliser l'appareil téléphonique pour signaler une fuite de gaz s'il est situé près de la fuite.

4. Utiliser seulement le cordon d'alimentation et le type de piles indiqués dans ce manuel. Ne pas jeter les piles dans le feu: elles peuvent exploser. Se conformer aux règlements pertinents quant à l'élimination des piles.

5. La socklet-sortie sera installée près de l'équipement et sera facilement accessible.

CONSERVER CES INSTRUCTIONS

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IC Statement

"This product meets the applicable Industry Canada technical specifications."

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

"The Ringer Equivalence Number is an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five."
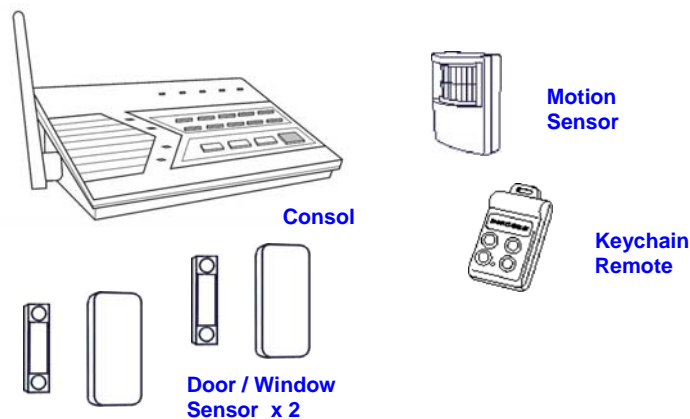
Content

The Basics

Overview

Congratulations on your purchase of Skylink wireless security system, Model AM-001. This is a complete wireless system which not only functions as a security system, but also monitors your premises by giving you alert notification when the system is not armed. It is also a home automation center, which allows you to remotely control household appliances and lightings, even you are away from home. AM-001 can be controlled by dialing in from any touch tone phone, which makes it even more convenient and powerful. Additional accessories such as different kinds of sensor and controller can be added to suit your specific needs. This user's instructions will guide you through the whole setup procedure as well as all the programming instructions. Please follow the instructions closely, you should find it very easy to setup the system.

Motion Sensor

Consol

Keychain Remote

Door / Window Sensor x 2

In the package, you should find the following items:
- One Control Panel
- One Motion Sensor
- Two Door / Window Sensors
- One Keychain Remote
- One AC adapter
- One telephone cord
- Batteries for all sensors
- Four AAA backup batteries for Control Panel
- Mounting hardware

Installation

Installing the Console

You must first determine where the control panel will be located. Please follow the criteria below to select the ideal location for the control panel.

- Place it within few feet of an electrical outlet and phone jack
- Place it where it is easily accessible by you and other users
- Place it away from any doors or windows which could be accessed by non-intended users
- Place it away from extreme temperature sources such as oven, stove and away from large metal objects which could affect the wireless performance

After you have selected a location for the control panel, you are now ready to connect all the necessary wires and ready to power up the unit.

1. Connect the phone line from the telephone jack to the back of the control panel where it marks "Line".

2. If you have another telephone that will be using the same telephone jack, you may connect this telephone to the control panel by plugging in the phone cord to the "Phone" outlet on the control panel.

3. Remove the battery cover on the bottom of the control panel with a Phillips screwdriver, and insert 4 AAA alkaline batteries into the batteries holder. All the LED will flash once, and you will hear 3 beeps. PWR LED will be on indicating the control panel is powered properly.

4. Plug in the AC adapter to the nearby electrical outlet and plug the other end to the socket on back of the control panel.

5. Rotate the antenna to the upright position to ensure the best signal reception.

Program Passwords

Master Password can be used for programming, arming, disarming the system, and telephone access. The default Master Password is [1234].

Secondary Password can be used for arming, disarming the system, and telephone access. Secondary Password cannot be used for programming. The default Secondary Password is [0000].

Duress Password is used when you are forcibly compelled to disarm the control panel. You may enter the Duress Password. Entering the duress password will stop the siren from sounding but the control panel will silently call the emergency phone numbers for help.   The default Duress Password is [3838]. You should definitely change this password and let all the users know this password.

In order to change the password, follow the procedures below.

1. Press the PROG button on the side of the control panel, the [PROG] LED will be on..
2. Enter the current Master Password, [1234]. Enter [2], which represents Password Programming.
3. Select the type of password you would like to change:
    * Enter [1] for Master Password,
    * Enter [2] for Secondary Password
    * Enter [3] for Duress Password
4. Enter new 4-digit password.
5. Enter new 4-digit password again, password accepted.

Program Emergency Phone Numbers

You can program up to 5 Emergency Phone Numbers. When the system is in panic situation, the control panel will call 5 phone numbers and announce its status

1. Press the PROG button on the right side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password.
3. Enter [1], which represents Phone Number Programming.
4. Select the phone memory from 1 to 5. Note: In an emergency, the control panel will call phone memory 1 as the first number, then phone memory 2 will be called, then memory 3, 4, and 5. So it is recommended to program most important phone number in phone memory 1. [Do not program police, 911 or fire station phone numbers into the control panel.]
5. Enter the phone number then press [Arm]. Note: You may enter a 3-second pause by pressing [Mute] if needed. The phone number can be up to 29-digit long, including multiple pause periods.
6. After entering the phone number, enter how many times you want the phone number to be called, from 1 to 9 times. Press ARM to confirm.
7. After entering the redial, enter how many times you want the emergency message to be played, from 1 to 9 times. It is recommended to play the message at least 2 times. Press ARM, phone accepted.

WHEN PROGRAMMING EMERGENCY NUMBERS AND (OR) MAKING TEST CALLS TO EMERGENCY NUMBERS:

1) Remain on the line and briefly explain to the dispatcher the reason for the call.

2) Perform such activities in the off-peak hours, such as early morning or late evenings.
Caution - To ensure proper operation, this equipment must be installed according to the enclosed installation instructions. To verify that the equipment is operating properly and can successfully report an alarm, this equipment must be tested immediately after installation, and periodically thereafter, according to the enclosed test instructions.

Attention

This product is not an alarm system providing facilities to summon assistance, for use by persons who can be considered to be living at risk. This product is not intended to for use in health care signaling equipment or directly connect to central-station (Police, Medical, Fire).
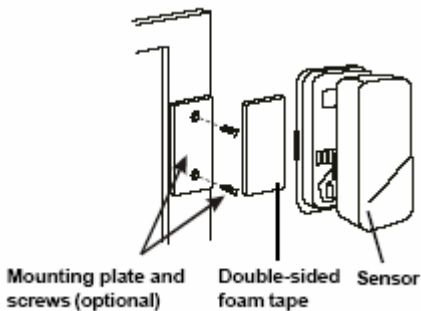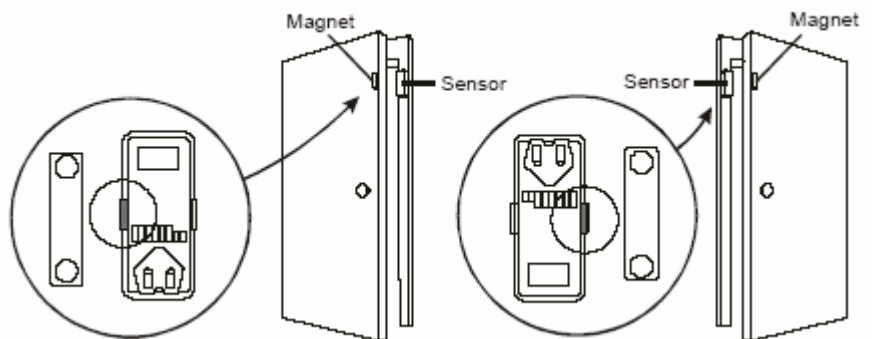
Installing the Door/Window Sensor

Window / Door Sensor is used to monitor doors or windows that open and close. When these doors / windows are open or closed, the sensors will transmit a signal to the control panel to notify the user. These sensors consist of 2 parts, one is the transmitter, the other is the magnet.

Remove the top cover of the sensor and insert the 3V lithium battery to the sensor.

The transmitters should be mounted on the door frame or window frame by double sided tape. The magnet should be mounted on the door or window by either double sided tape or screws.
Make sure the arrow on the magnet is aligned with the grey marking on the transmitter. (Show picture)

If the surface of the frame is flat enough, double-sided foam tape is sufficient, otherwise, it is recommended to use the mounting plate and screws as well. After mounting the sensor, put the cover back on with the Houselink logo in the upright position.

Try to mount the sensors as far away from the floor as possible to avoid damaging them. Mounting the sensors at a higher position will also result in better operating range.

Do not mount the sensor to the exterior of the door / window, always mount the sensor to the interior side of the door / window to avoid being damaged or stolen by non-intended users.

Testing: Open the door or window to trigger the sensor, the main unit will then alert you by visual/audio indication and voice cue.
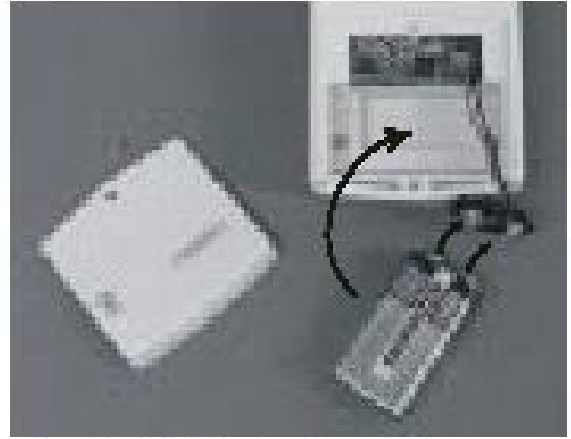
Installing the Motion Sensor

The motion sensor is most suitable for guarding the bedrooms. Use the motion sensor to monitor the passage leading to the bedrooms or hallway.

You needed to power up the sensor first. Undo the screw on the back of the motion sensor and remove the cover of the battery compartment. Connect a 9V alkaline battery to the connector wire.

If you are going to install the motion sensor outdoor, please change the sensitivity to low by changing the sensitivity jumper from HI to LOW. You also needed to change that zone to an Alert Zone. (Refer to p. XX)

Then close the battery cover and re-insert the screw.

Mount the ball-head joint on the wall with screws provided. Slide the back of the sensor into the ball-head joint. The mounting angle can be adjusted.

Keep sensors within 30m (100 ft) of Control Panel.

Walk in the detected area. If the motion is detected, a read light inside the sensor will glow. If the red light does not glow, motion has not been detected and you should re-position the sensor.

Repeated this procedure until your motion is detected. There should be no movement in the detected area during the 20 seconds.

Note: When installing the motion sensor, avoid placing it near heat or cold producing devices (i.e. A/C or furnace vents, fans, ovens, space heaters, etc). Air movement, especially caused by changes in temperature may trigger the Motion Sensor and cause false alarms. Please carefully test your Motion Sensor so that it will only be triggered by people.

Battery notes for the System

When you are reminded by the system that any sensors are in low battery, please change the battery accordingly. The sensors, keychain remotes and accessories are generally designed to have a battery life of around **one year**. Since there are large variations in different working environment, we suggest replace new batteries every **nine months.**

The alkaline batteries in the main unit are expected to use as back up purpose in normal working condition. We suggest you replace the alkaline batteries every **nine months** after you have installed new batteries or right after a shortage of electricity in your premises.

Alarm & Alert Mode

Mode	ARM LED	When a sensor Triggered	Application
Alert	Off	Notify by voice announcement, beeping and LED flashing.	When somebody in the home. The system alerts you what is happening around the users.
Arm	On	Siren goes off, LED flashing and voice announcement. Built-in dialer calls for help.	When nobody in the home. The system calls for help when a sensor is triggered.

Alert mode

In Alert mode, the control panel will give you notification of the triggered sensor(s) by voice announcement, unique beeping and LED flashing.

Number of beeps of Buzzer = Zone of the triggered sensor
Number of flashes of LED = Sensor number of the triggered sensor
Voice announcement = Tells you the zone and locations of the triggered sensor by human voice.

If zone 1 sensor 1 is triggered, you will hear a voice announcement "Zone 1 Sensor 1 triggered" from the control panel. It will also emit one beep at a time, and the LED will flash once at a time. If zone 3 sensor 2 is triggered, you will hear "Zone 3 Sensor 2 triggered. It will also emit 3 beeps at a time, and the LED will flash twice at a time.

Note: Each zone can program up to 2 sensors. There are 5 zones, so up to 10 sensors can be programmed to the control panel.

For Door / Window sensor, alert notification (beeping and LED flashing) will continue until the sensor is in the closed position, i.e. closing that window or door.

For Motion Detector, the alert notification (beeping and LED flashing) will last for 15 seconds for every detected movement.

Mute

When the beeping becomes undesired, you can terminate the beeping in 3 different ways:

1) Manual mute by pressing the mute button
Pressing the mute button will terminate the beeping for all the activated sensors. For example, if a window with a window sensor will be open for a long period of time, the continuous beeping may become undesired. Pressing the mute button will temporary disable the beeping for this sensor only, while it will still beep if other sensors are triggered. When the muted sensor is closed and triggered again, the beeping will resume, i.e. if the window is closed and then re-open, beeping will continue.

2) Change the buzzer mode to Alarm only

The beeping can be disabled for all zones and all times by changing the buzzer mode selector (on the right side of the panel) to Alarm only. All sensor alert beeping will be ignored, while the alarm siren will sound.

3) Enable Auto-Mute in Advanced Programming
This is to terminate the beeping for the specific zone(s) after it's been beeped for 15 seconds. That means beeping will be terminated automatically after 15 seconds if this feature is enabled for that zone. Refer to Advanced Programming for more information on how to enable this feature.

System Status

The control panel continuously monitors the system status as well as all the sensors status. It will monitor which sensors are triggered, any low battery sensors, any mal-function sensors, or a phone line failure.

In order to check the system status, user can press the "Status" button on the control panel, voice announcement will be made regarding the system and sensor status. When the "Status" button is pressed, you will be notified if any of the following events is occurring:

- System armed of disarmed
- Any triggered sensors
- Any sensors with low battery warning
- Any sensors with failure warning
- Phone line failure

Arm Mode

Arming the System

You should arm the system when you are the last person to leave the house. By arming the system, the control panel will call the preprogrammed emergency phone numbers and siren will sound when break-in occurs.

Note: Only arm the system when nobody is expected to be inside the premises. When someone is expected to be within the premises, the system should not be armed.

To arm the system, follow the procedures below:

1. Press "Arm" button on the control panel when no sensors are triggered. You can also use the keychain remote to arm the system by pressing button 1 on the remote.

   Note:
   - The control panel cannot be armed if there are triggered sensors. Make sure all sensors are in closed position, i.e. (close all doors, windows, no movement should be detected etc).
   - The control panel can be armed if there are sensors with low battery or failure warning.

2. After pressing the "ARM" button, the "ARM" LED will flash and you will have 45 seconds to leave the premises, this is called the exit delay. You will hear beeping during the exit delay interval. The beeping rate will change from slow to fast, the faster the beep rate, the less time you have left to leave the premises before the siren sounds.

3. When the exit delay expires, you will hear "System Armed" and beeping will stop and the ARM LED will be on steadily. This indicates the system is now armed.

Note: The control panel can also be armed even nobody is home, with a touch tone phone. Please refer to "Remote Operation by Telephone"

Disarming the system

If you trigger a sensor when entering a house with an armed control panel, you will trigger the entry delay. You will have 30 seconds to disarm the control panel. Otherwise, the siren will sound and emergency calls will be made. To disarm the control panel, follow the instructions below.

1. If any sensors are now triggered when the control panel is armed, the system will beep for 30 seconds, and ARM LED will flash during this entry delay interval. The faster the beep, the less time you have left to disarm the control panel before the siren sounds.

2. You must enter a valid password (either the Master Password, or Secondary Password) in order to disarm the system before the entry delay expires. The system can also be disarmed by pressing button 3 on the keychain remote.

3. When a valid password is entered, you will hear "System Disarmed" and the entry delay beeping will stop, the ARM LED will be off.

Note:

- The control panel can also be armed even nobody is home, with a touch tone phone. Please refer to "Remote Operation by Telephone".
- If 3 consecutive incorrect passwords are entered, alarm will sound immediately and the control panel will be in panic mode, and start calling the emergency phone numbers.

Disarming a triggered control panel

If you hear the announcement from the control panel "System Panic" after disarming the system, that means at least one sensor was activated which caused the alarm to sound while you were away. Following the procedures below to set the control panel back to standby mode.

1. There will be flashing LEDs indicating the sensor(s) that triggered the alarm. You may want to check the condition of the triggered sensor(s), the sensor(s) may be damaged if there were break-ins.
2. You need to reset the sensor by manually triggering it twice, i.e. open and close a door / window sensor, or walk in front of the motion sensor.   The LED representing that sensor will then stop flashing.
3. You must now enter the password again on the control panel or press the button 3 of the keychain remote, as an acknowledgement of the alarm event. This will set the control panel back to standby mode.

Note: The control panel can also be disarmed even nobody is home, with a touch tone phone. Please refer to "Remote Operation by Telephone"

Disarming under Duress

If you are forcibly compelled to disarm the control panel, you may enter the Duress Password. Entering the duress password will stop the siren from sounding but the control panel will silently call the emergency phone numbers for help. The called party will hear the voice announcement "System Panic".

Panic

Pressing the panic button will cause the siren to sound and outgoing calls will be made to the preprogrammed phone numbers, "System Panic" will also be announced. This can be used in any emergency situation.   You can also press the panic button on the keychain remote to perform the same function.

To stop the siren, user can enter either the Master Password, or the Secondary Password. You can also press button 3 on the keychain remote to perform the same function. This will terminate both the siren and the control panel from calling the rest of the emergency phone numbers.

Receiving an emergency call

If you are on the list as one of the recipients of the emergency call, you should read the following instructions carefully. You should also notify all the persons you will be calling so they know how to react when they receive the emergency call.

The control panel will call you when there are emergencies such as break-ins, smoke or fire events, or a senior at home needs assistance.

1. When the phone rings at the calling location, the person who answers the phone will hear a message related to the emergency events, such as "System Panic", or "Zone 1 Sensor 1 Triggered" etc. This message may be repeated several times depending on how it was programmed.
2. After the message has been played for the certain number of times, the control panel will ask for a valid password, you will hear "Enter Password".
3. Enter the 4-digit password in order to have access to the control panel, such as to disarm the alarm so it will stop the siren from sounding and terminate it from calling the rest of the numbers.   If a valid password is accepted, you will hear "Password Accepted", otherwise, you will hear "Password Failure".
4. After entering the correct password, you can follow the "Phone Command" instructions to perform the required tasks, such as disarm, check the system status again etc.

Note: Once the called party has entered a valid password, that person will not be called again, even the redial count is set to call more than once. Therefore, entering the valid password is a way to acknowledge the emergency message. The control panel will continue to call the rest of the phone numbers, unless the control panel is disarmed.

Home Automation

By adding the optional Skylink receivers, such as the Light Switch Receiver Model SW-100R, the control panel can be used to control up to 5 different receivers. There are 3 ways to control these receivers:

1. Using the keypad on the control panel to operate these receivers manually
2. Calling in away from home using a touch tone phone (Refer to "Remote Operation by Telephone")
3. Setting up Event Trigger (Refer to Advanced Programming)

These receivers should be programmed to the control panel as device 1 to 5. Please follow the programming instruction for additional devices for further information.

Light Switch Receiver Model SW-100R

To turn off a light with the control panel:
1. Press the device number button on the control panel, i.e. pressing 1 will turn off device 1, pressing 2 will turn off device 2.
2. You will hear "Device X Off", where X is the device number.
3. You will also see the PROG LED flashes, that indicate the control panel is sending out the wireless signal to control the specific device.
4. If the receiver receives the signal, the control panel will announce " Device Off Accepted".

To turn on a light with the control panel:
1. Press the number below the device number that you would like to turn on, i.e. pressing 6 will turn on device 1, pressing 7 will turn on device 2.
2. You will hear "Device X On", where X is the device number.
3. You will also see the PROG LED flashes, that indicate the control panel is sending out the wireless signal to control the specific device.
4. If the receiver receives the signal, the control panel will announce "Device On Accepted".

Communication

Remote Operation by Telephone

The control panel can be operated while you are away from home. You can have access to the control panel with any touch tone phone to perform a variety of operations, listed below.

- Arm
- Disarm
- Lights on / off
- Garage door open / close
- System status
- Disconnect

There are 2 ways you can have access to the remote phone operation.
1. You can call the control panel when you are away from home;
2. When the control panel calls you during emergency, you can enter a valid password to have access to the remote operations.

To access the control panel away from home

1. Call your home phone number, or the number that the control panel is connected to.
2. Hang up after hearing the second ring.
3. Wait at least 10 seconds, but not more than 1 minute, then call your home phone number again.
4. The control panel will pick up the phone call and ask for a password. You need to enter either the Master Password or Secondary Password. If the password is correct, you will hear "Password Accepted", otherwise, you will hear "Password Failure".
5. Once the password is accepted, you can have access to all the operations listed below:

Table 1: Remote Phone Operations

System Operation	Phone Command	Description
Turn on device X	X + [#]	Turn lights on, will hear confirmation, "Device On Accepted"
Turn off device X	X + [*]	Turn lights off, will hear confirmation, "Device Off Accepted"
Check system status	[8] + [#]	Will hear system status announcement
Arm	[7] + [#]	Will hear "System Armed"
Disarm	[9] + [#]	Will hear "System Disarmed"
Disconnect	[0] + [#]	Phone line disconnect

The same operations can be performed when the control panel calls the emergency phone numbers, the called party will hear the emergency message, it will then ask for a password. If a valid password is entered, the operations listed in Table 1 will be available.

Advanced Programming

You can customized the control panel in different configurations to suit your needs, including how the program additional sensors, remotes, how the buzzer behaves for different zones, event trigger setting etc. The followings are the advanced programming fields.

Programming Options	Command
Learn Sensor	[PROG] + [3]
Learn Remote or Receiver	[PROG] + [4]
Beep / Alarm	[PROG] + [5]
Auto Mute	[PROG] + [6]
Event Trigger	[PROG] + [7]

Alert Zone	[PROG] + [8]
Erase Sensor	[PROG] + [9]
Erase Remote / Receiver	[PROG] + [0]

Learn Sensor

You can program up to 10 sensors to the control panel. There are 5 zones, each zone can program 2 sensors. Before programming a sensor, you must decide which sensor location (zone number and sensor number) you would like to program the sensor to. It is strongly recommended that you refer to "Sensor Location Selection Guide" and study the 4 zone dependent features before deciding which sensor location you would like to program the new sensors to. The 4 zone dependent features are: 1) buzzer sound, 2) auto mute, 3) event trigger, 4) alert zone.   Explanation for each zone dependent feature can be found in Advanced Programming.

Sensor Location Selection Guide

You can program up to 10 sensors to the control panel. There are 5 zones and there are some zone dependent features. Zone dependent feature means all the sensors in that zone will operate based on the setting for that zone. So if you program 2 sensors into one zone, those 2 sensors will react in the same manner for those zone dependent features. For example, if you enable the Auto-Mute feature for zone 1, both zone 1 sensor 1, and zone 1 sensor 2 will have this feature enabled. It is not possible to enable a zone dependent feature for sensor 1 only, but not sensor 2.

Therefore, the followings are some suggestions of how you should select the sensor location.

1. Check all the zone dependent features, and determine if you would like to enable any one of them.
2. If you decide not to enable any zone dependent features and keep the factory default setting, you can simply program the sensor to any sensor location based on your own preference. Omit the following steps.
3. If you decide to enable some of the zone dependent features, check Table 2 below. Circle the zone dependent feature selections. If there are features that you would like to enable for more than 2 sensors, you need to select more than one zone for those features. Detailed explanation for each feature can be found in Advanced Programming.

	Sensor 1	Sensor 2	Zone Dependent Features			
	Location	Location	Beep / Alarm	Auto Mute	Event Trigger	Alert
Zone 1			Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 2			Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 3			Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 4			Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 5			Beep / Alarm	Y / N	Disabled / On / Off	Y / N

4. Once you have filled out the table, it should look something like this.

	Sensor 1	Sensor 2	Zone Dependent Features			
	Location	Location	Beep / Alarm	Auto Mute	Event Trigger	Alert
Zone 1	*Front Door*	*Front Window*	Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 2	*Kitchen Motion*		Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 3	*Back Door*		Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 4	*Backyard Motion*		Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 5	*Basement Water*	*Basement Motion*	Beep / Alarm	Y / N	Disabled / On / Off	Y / N

5. You can now refer to each column representing the zone dependent features, to program each zone with the selected feature. For example, Auto Mute feature is only enabled for zone 3, when you are in the auto mute programming, you should set it so that auto mute is only enabled for zone 3, the rest of the zone should have this feature disabled. Repeat this step for all 4 zone dependent features programming.

Learn Sensor – continue

After studying the "Sensor Location Selection Guide", you may proceed to learn the sensor to the control panel. To learn a sensor into the control panel, follow the instructions below.

5. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
6. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
7. Enter [3], which represents "learn sensor".
8. Notice all 5 zone LEDs, some of them may be off, some of them may flash once, some of the may flash twice. The LED flashing represents the occupied sensors.
    *   If the zone LED remains off, that indicates that zone is not occupied by any sensor.
    *   If the zone LED flashes once, that indicates sensor 1 of that zone is occupied.
    *   If the zone LED flashes twice, that indicates sensor 2 of that zone is occupied.
9. You may now select a zone and sensor location to program the sensor to. Select the zone and sensor number by pressing on to button 1 to 0. Buttons 1 to 5 represent sensor 1 for zones 1 to 5. Buttons 6 to 0 represent sensor 2 for zones 1 to 5. See Fig. X. After selecting the zone and sensor numbers, that zone LED will be on.

	Sensor 1	Sensor 2
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

10. Activate the sensor, the control panel will beep and you will hear "Zone _ Sensor _ Accepted" if the sensor is programmed, the [PROG] LED will be off. To program another sensor, repeat the above steps.

Note: If an occupied sensor location is selected, the new sensor will replace the old one.

Learn Remote / Receiver

Additional keychain or keypad remote can be programmed to the control. You may also program additional receivers such as the Light Switch Receiver, Model SW-100R or Garage Door Receiver GD-101R. Maximum of 5 keychain remotes and 5 receivers can be programmed to the control panel.

- Receivers should be programmed to Device 1 to Device 5.
- Keychain or keypad remote should be programmed to Device 6 to Device 0.

Follow the instructions below to program remotes / receivers.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [4], which represents "Learn Keychain / Receiver". Notice all 5 zone LEDs, some of them may be off, some of them may flash once, some of the may flash twice. The LED flashing represents the occupied sensors.
    - If the zone LED remains off, that indicates that zone is not occupied by any keychain / receiver.
    - If the zone LED flashes once, that indicates <u>a receiver</u> has occupied that device. Zone 1 LED flashes once means Device 1 is occupied.
    - If the zone LED flashes twice, that indicates <u>a keychain / keypad remote</u> has occupied that zone. Zone 1 LED flashes twice means Device 6 is occupied.
4. For programming a receiver, select a device number from Device 1 to Device 5. Press and hold the learn button on the receiver continuously, you will see the LED flashing rapidly. To select device 1, **press button 6.** The LED stop flashing indicate the receiver has received the signal. Then press button 1 on control panel for device 1.   Once a device is selected, that zone LED will be on steadily. . You can now transmit a signal by pressing once on learn button on the receiver.
5. For programming a keychain, select a device number from Device 6 to Device 0. To select device 6, press button 6. Once a device is selected, that zone LED will be on steadily. You can now transmit a signal by pressing one of the buttons from the keychain.
6. The control panel will beep and you will hear "Device X Accepted" if the device is programmed and the [PROG] LED will be off. To program another remote / receiver, repeat the above steps.

Note: If an occupied device is selected, the new sensor will replace the old one.

Zone Dependent Setting – Beep / Alarm

User can customize the audio warning so that when a sensor is triggered, it may beep, or an alarm may sound immediately. Depending on whether the control panel is in alert mode or security mode, the audio warning will be different.

- Alert mode: If a sensor is triggered (i.e. opening a door) with the alarm feature on, the alarm will sound immediately, but it will stop when the sensor is back to normal (door closes). It control panel will not call the emergency phone numbers since it is not armed.
- Security mode: If a sensor is triggered (i.e. opening a door) with the alarm feature on and the system is armed, the siren will sound immediately without entry delay, it is called "Instant Alarm". The siren will not stop until the siren timeout or a valid password is entered. Control panel will call the emergency phone numbers to notify the users of the alarm situation.

All zones were programmed to beep at the factory.

It is recommended to program a zone into Alarm mode if:
- You need immediate attention if that sensor is triggered, such as flood sensor, smoke sensor etc.
- The sensor will not be triggered on a daily basis
- The sensor is not located outdoor

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [5], which represents "Beep / Alarm" setting. Notice all 5 zone LEDs, some of them may be off, some of them may flash. The LED flashing represents the current beep / alarm setting.
    - If the zone LED flashes, that indicates the zone is programmed to "Beep".
    - If the zone LED remains steadily on, that indicates the zone is programmed to "Alarm".
4. To change the setting between beep and alarm, press buttons 1 to 5 will set that zone to beep. Pressing buttons 6 to 0 will set that zone to alarm. Refer to Fig X. After making the change, notice the status of the zone LED changes as well.

	Beep	Alarm
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

5. You are allow to make unlimited changes before programming is quit. Once you are satisfied with the settings, press [PROG] to quit programming and the settings will be saved.

Zone Dependent Setting – Auto Mute

Once a sensor is triggered, audio warning will be emitted, either beep or alarm. For example, if a door is opened, the audio warning will not stop until the door is closed. If the door is open for 2 hours, the audio warning will go on for 2 hours. There are times that this is not desired. With the auto mute feature enabled, the audio warning will go on for only 15 seconds. After that, if the sensor remains open, only the zone LED will flash to indicate the sensor is triggered. Audio warning will go on again if the sensor is closed and open again.

This feature was disabled for all zones at the factory.

To enable auto mute feature, follow the instructions below.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [6], which represents "Auto Mute" setting. Notice all 5 zone LEDs, some of them may be off, some of them may flash. The LED flashing represents the current auto mute setting.
   - If the zone LED flashes, that indicates auto mute is disabled
   - If the zone LED remains steadily on, that indicates auto mute is enabled
4. To change the setting between auto mute enable and disable, press buttons 1 to 5 will disable auto mute for those zones. Pressing buttons 6 to 0 will enable auto mute for those zones. Refer to Fig X. After making the change, notice the status of the zone LED changes as well.

	Disable Auto Mute	Enable Auto Mute
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

5. You are allowed to make unlimited changes before programming is quit. Once you are satisfied with the settings, press [PROG] to quit programming and the settings will be saved.

Zone Dependent Setting – Event Trigger

Home Automation is one of the features that makes this system so powerful. You can control up to 5 different devices not only manually, but also automatically. It is called Event Trigger. That means when a sensor is triggered, the control panel will transmit a signal to activate the designated receiver. Applications include:
   - Lights on when you open the front door (when the door sensor is open, turn the lighting receiver on)
   - Lights on when you walk into the kitchen (when the motion sensor in the kitchen is activated, turn the lighting receiver on)

Event trigger is only applicable to the sensors and receiver in the same zone. For example, you can program device 1 to be on or off when zone 1 sensor(s) is triggered. You can also program device 2 to be on / off when zone 2 sensor(s) is triggered.

This feature was disabled for all zones at the factory.

To enable event trigger, follow the instructions below.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [7], which represents "Event Trigger" setting. Notice all 5 zone LEDs, some of them may be off, some of them may flash once, some of them may be on steadily. The LED flashing represents the current event trigger setting.

    *   If the zone LED is off, that indicates event trigger is disabled.
    *   If the zone LED flashes, that indicates event trigger is enabled, and it will turn <u>off</u> the corresponding device when the sensor(s) is activated
    *   If the zone LED remains steadily on, that indicates event trigger is enabled, and it will turn <u>on</u> the corresponding device when the sensor(s) is activated

4. To change the event trigger setting, press buttons 1 to 5 will disable event trigger for those zones. Pressing buttons 6 to 0 will enable event trigger for those zones. However, even this feature is enabled, you still have to select whether you want to turn that device on or off when the sensor(s) is triggered. Pressing buttons [6] to [0] will toggle the setting between on and off. For example, if the LED is currently showing event trigger for zone 2 is enable with the Off signal, you can press button [7] to change it to the On signal. Pressing [7] again will change it back to Off signal. Refer to Fig X. After making the change, notice the status of the zone LED changes as well.

	Disable Event Trigger	Enable Event Trigger (Toggle between Off and On)
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

5. You are allowed to make unlimited changes before programming is quit. Once you are satisfied with the settings, press [PROG] to quit programming and the settings will be saved.

Note: If event triggered is enabled for a door sensor, which turn lights on when it is open, this feature will not be activated during exit delay. Since during exit delay, users suppose to leave the premises and therefore lights will not be turned on.   However, if the event triggered is enabled to turn lights off, it will be activated during exit delay.

Zone Dependent Setting – Alert Zone

As explained earlier, the control panel can operate in 2 different modes, 1) Alert Mode, 2) Security Mode. In security mode, when a sensor is triggered, the control panel will need to be disarmed either after 30 seconds (with entry delay), or siren will sound immediately (with instant alarm). However, there are sensors that you do not want to trigger the alarm when the system

is armed. Such as outdoor motion sensor, or any other sensors that you only want to give you alert notification.   Under such circumstances, zone(s) can be program to react only when the control panel is in alert mode, these zones will be ignored when the control panel is in security mode.

It is recommend to enable alert zone if:

• You do not consider the sensors in that zone are emergency

• Sensors in that zone are located outdoor

• When nobody is home, you do not want to know the status of the sensors in that zone

This feature was disabled for all zones at the factory.

To enable alert zone feature, follow the instructions below.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [8], which represents "Alert Zone" setting. Notice all 5 zone LEDs, some of them may be off, some of them may flash. The LED flashing represents the current alert zone setting.
    • If the zone LED flashes, that indicates alert zone is disabled
    • If the zone LED remains steadily on, that indicates alert zone is enabled
4. To change the setting between alert zone enable and disable, press buttons 1 to 5 will disable alert zone feature for those zones. Pressing buttons 6 to 0 will enable alert zone feature for those zones. Refer to Fig X. After making the change, notice the status of the zone LED changes as well.

	Disable Alert Zone	Enable Alert Zone
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

5. You are allowed to make unlimited changes before programming is quit. Once you are satisfied with the settings, press [PROG] to quit programming and the settings will be saved.

Erase Sensor

Proceed the followings to erase a sensor.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [9], which represents "Erase Sensor".
4. Notice all 5 zone LEDs, some of them may be off, some of them may flash once, some of the may flash twice. The LED flashing represents the occupied sensors.

- If the zone LED remains off, that indicates that zone is not occupied by any sensor.
- If the zone LED flashes once, that indicates sensor 1 of that zone is occupied.
- If the zone LED flashes twice, that indicates sensor 2 of that zone is occupied.

5. You may now select which sensor location to erase. Select the zone and sensor number by pressing buttons [1] to [0]. Buttons 1 to 5 represent sensor 1 for zones 1 to 5. Buttons 6 to 0 represent sensor 2 for zones 1 to 5. After selecting the sensor location, you will hear 3 beeps and "Zone_ Sensor_ Empty Memory". This confirms the selected sensor has been erased, and the [PROG] LED will be off. To erase another sensor, repeat the above steps.

	Sensor 1	Sensor 2
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

Erase Remotes / Receiver

Follow the instructions below to erase keychain or keypad remotes / receivers.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [0], which represents "Erase Keychain / Receiver". Notice all 5 zone LEDs, some of them may be off, some of them may flash once, some of the may flash twice. The LED flashing represents the occupied sensors.

- If the zone LED remains off, that indicates that zone is not occupied by any keychain / receiver.
- If the zone LED flashes once, that indicates a receiver has occupied that device. Zone 1 LED flashes once means Device 1 is occupied.
- If the zone LED flashes twice, that indicates a keychain / keypad remote has occupied that zone. Zone 1 LED flashes twice means Device 6 is occupied.

4. To erase a receiver, enter a device number from Device 1 to Device 5. To select device 1, press button 1. Once a device is selected, you will hear 3 beeps and "Device_ Empty Memory".
5. To erase a keychain, enter a device number from Device 6 to Device 0. To select device 6, press button 6. Once a device is selected, you will hear 3 beeps and "Device_ Empty Memory".
6. To erase another remote / receiver, repeat the above steps.

Mounting the Control Panel on the wall

1. Place the mounting bracket at the desired location.

2. Mount the bracket onto the wall with 2 screws.

3. Attached the Control Panel securely to the mounting bracket.

FCC Information

Consumer Information:

a) This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format ***US:AAAEQ##TXXXX.*** If requested, this number must be provided to the telephone company.

b) An applicable certification jacks Universal Service Order Codes (USOC) for the equipment is provided (i.e., ***RJ11C***) in the packaging with each piece of approved terminal equipment.

c) A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

d) The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. [For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format ***US:AAAEQ##TXXXX***. The digits represented by ## are the REN without a decimal point (*e.g.*, 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.]

e) If this equipment AM-001 causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

f) The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

g) Should you experience trouble with this equipment, please contact Skylink Customer Support at 1-800-304-1187 for repair or warranty information. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

h) Please follow instructions for repairing if any (e.g. battery replacement section); otherwise do not alternate or repair any parts of device except specified.

i) Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

j) **NOTICE:** If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this model AM-001 does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

NOTICE: According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources. To minimize damage from these types of surges, a surge arrestor is recommended.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This is device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

☐ Reorient or relocate the receiving antenna.

☐ Increase the separation between the equipment and receiver.

☐ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

☐ Consult the dealer or an experienced radio/TV technician for help.

Customer Service

17 Sheard Avenue,
Brampton,
Ontario,
L6Y 1J3
Canada
Toll Free 1-800-304-1187

AAA Plus™ Accessories

The AAA Plus™ receiver can work with up to 10 sensors and 5 remote controls. It can also used to trigger unlimited number of Houselink® secondary alarm and emergency dialer.

Sensor		
	WD-101	Door/Window Sensor
	FS-101	Water Sensor
	GS-102	Garage Door Sensor (Europe)
	GS-101	Garage Door Sensor (North America)
	PS-101	Motion Sensor * suitable for indoor and outdoor (alert mode) use.

Remote Control & Panic Button		
	4B-434	Keychain Remote
	PT-434	Panic Transmitter

	KP-434	Keypad Remote

Wireless Switch for Automation		
	SW-100R	Wireless Switch Receiver (North America)
	SW-100R (same model number for US and EU?)	Wireless Switch Receiver (Europe)

External devices		
	RP-434	Repeater * extend the wireless operating range between receiver and all other accessories.
	AS-101	Audio Alarm * used as external alarm.
	AD-433S / AD-433SE	Emergency Dialer (North America / Europe)
	SDO Series of Products	Swing Door Operator Coming soon??

Please visit www.skylinkhome.com or contact us at support@skylinkhome.com for more information of how to fully utilize your AAA Plus™ system.

AAA PLUS™ Home Intelligent Centre
Model: AM-002

www.skylinkhome.com

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IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.

2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

3. Do not use the telephone to report a gas leak in the vicinity of the leak.

4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

5. Plug the adaptor to the socket-outlet that near the equipment and shall be easily accessible.

USE ONLY US: Sunnyway, type no. SW-613, rated 6V 1300mAh. Sealed Lead-Acid battery.
EU: GP type no. 5MR1300AAH4L, rated 6V 1300mAh Ni-MH battery

SAVE THESE INSTRUCTIONS
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IMPORTANTES MESURES DE SÉCURITÉ

Certaines mesures de sécurité doivent être prises pendant l,utilisation de matériel téléphonique afin de réduire les risques d,incendie, de chocélectrique et de blessures. En voici quelquesunes;

1. Ne pas utiliser l,appareil près de l,eau, p.ex., Près d,une baignoire, d,un lavabo, d,un évier de cuisine, d,un bac à laver, dans un soussol humide ou près d,une piscine.

2. Éviter d,utiliser le téléphone (sauf s,il s,agit d,un appareil sans fil) pendant un orage électrique. Ceci peut présenter un risque de choc électrique causé par la foudre.

3. Ne pas utilise l,appareil téléphonique pour signaler une fuite de gaz s,il est situé près de la fuite.

4. Utiliser seulement le cordon d, alimentation et le type de piles indiqués dans ce manuel. Ne pas jeter les piles dans le feu: elles peuvent exploser. Se conformer aux règlements pertinents quant à l,élimination des piles.

5. La socklet-sortie sera installée près de l,équipement et sera facilement accessible.

6. ATTENTION- Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du meme type ou d'un type équivalent recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

US: Sunnyway, type no. SW-613, rated 6V 1300mAh. Sealed Lead-Acid battery.
EU: GP type no. 5MR1300AAH4L, rated 6V 1300mAh Ni-MH battery.

CONSERVER CES INSTRUCTIONS

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IC Statement

"This product meets the applicable Industry Canada technical specifications."

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

"The Ringer Equivalence Number is an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five."

Content

The Basics

Overview

Congratulations on your purchase of Skylink wireless security system, Model AM-002. This is a complete wireless system which not only functions as a security system, but also monitors your premises by giving you alert notification when the system is not armed. It is also a home automation center, which allows you to remotely control household appliances and lightings, even you are away from home. AM-002 can be controlled by dialing in from any touch tone phone, which makes it even more convenient and powerful. Additional accessories such as different kinds of sensor and controller can be added to suit your specific needs. This user's instructions will guide you through the whole setup procedure as well as all the programming instructions. Please follow the instructions closely, you should find it very easy to setup the system.

In the package, you should find the following items:
- One Control Panel
- One Motion Sensor
- Two Door / Window Sensors
- One Keychain Remote
- One AC adapter
- One telephone cord
- Batteries for all sensors
- One backup battery for Control Panel – 6V Lead-Acid type for US region.
                                 6V Ni-MH battery for EU region
- Mounting hardware

Installation

Installing the Console

You must first determine where the control panel will be located. Please follow the criteria below to select the ideal location for the control panel.

- Place it within few feet of an electrical outlet and phone jack
- Place it where it is easily accessible by you and other users
- Place it away from any doors or windows which could be accessed by non-intended users
- Place it away from extreme temperature sources such as oven, stove and away from large metal objects which could affect the wireless performance

After you have selected a location for the control panel, you are now ready to connect all the necessary wires and ready to power up the unit.

1. Connect the phone line from the telephone jack to the back of the control panel where it marks "Line".

2. If you have another telephone that will be using the same telephone jack, you may connect this telephone to the control panel by plugging in the phone cord to the "Phone" outlet on the control panel.

3. Remove the battery cover on the bottom of the control panel with a Phillips screwdriver, and insert 6V backup battery pack. All the LED will flash once, and you will hear 3 beeps. PWR LED will be on indicating the control panel is powered properly.

4. Plug in the AC adapter to the nearby electrical outlet and plug the other end to the socket on back of the control panel.

5. Rotate the antenna to the upright position to ensure the best signal reception.

6. To install battery (for US version), pry off the battery cover. Plug the RED battery wire to the battery terminal (+). Plug the BLACK battery wire to the battery terminal (-). Cover the battery cover and secure by the screw.

7. To install battery (for EU version), pry off the battery cover. Mate the battery connector from the battery to the wires from the main unit. Cover the battery cover and secure by the screw.

Program Passwords

Master Password can be used for programming, arming, disarming the system, and telephone access. The default Master Password is [1234].

Secondary Password can be used for arming, disarming the system, and telephone access. Secondary Password cannot be used for programming. The default Secondary Password is [0000].

Duress Password is used when you are forcibly compelled to disarm the control panel. You may enter the Duress Password. Entering the duress password will stop the siren from sounding but the control panel will silently call the emergency phone numbers for help.   The default Duress Password is [3838]. You should definitely change this password and let all the users know this password.

In order to change the password, follow the procedures below.

1. Press the PROG button on the side of the control panel, the [PROG] LED will be on..
2. Enter the current Master Password, [1234]. Enter [2], which represents Password Programming.
3. Select the type of password you would like to change:
    - Enter [1] for Master Password,
    - Enter [2] for Secondary Password
    - Enter [3] for Duress Password
4. Enter new 4-digit password.
5. Enter new 4-digit password again, password accepted.

Program Service/Important Phone Numbers

You can program up to 5 Phone Numbers. When the system is in panic situation, the control panel will call 5 phone numbers and announce its status

1. Press the PROG button on the right side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password.
3. Enter [1], which represents Phone Number Programming.
4. Select the phone memory from 1 to 5. Note: In an emergency, the control panel will call phone memory 1 as the first number, then phone memory 2 will be called, then memory 3, 4, and 5. So it is recommended to program most important phone number in phone memory 1. [Do not program police, 911 or fire station phone numbers into the control panel.]
5. Enter the phone number then press [Arm]. Note: You may enter a 3-second pause by pressing [Mute] if needed. The phone number can be up to 29-digit long, including multiple pause periods.
6. After entering the phone number, enter how many times you want the phone number to be called, from 1 to 9 times. Press ARM to confirm.
7. After entering the redial, enter how many times you want the emergency message to be played, from 1 to 9 times. It is recommended to play the message at least 2 times. Press ARM, phone accepted.

WHEN PROGRAMMING SERVICE/IMPORTANT NUMBERS AND (OR) MAKING TEST CALLS TO EMERGENCY NUMBERS:

1) Remain on the line and briefly explain to the dispatcher the reason for the call.

2) Perform such activities in the off-peak hours, such as early morning or late evenings.
Caution - To ensure proper operation, this equipment must be installed according to the enclosed installation instructions. To verify that the equipment is operating properly and can successfully report an alarm, this equipment must be tested immediately after installation, and periodically thereafter, according to the enclosed test instructions.

Attention

This product is not an alarm system providing facilities to summon assistance, for use by persons who can be considered to be living at risk. This product is not intended to for use in health care signaling equipment or directly connect to central-station (Police, Medical, Fire).
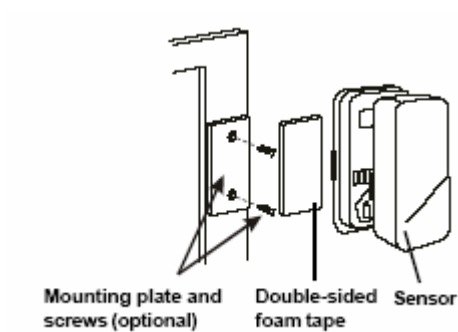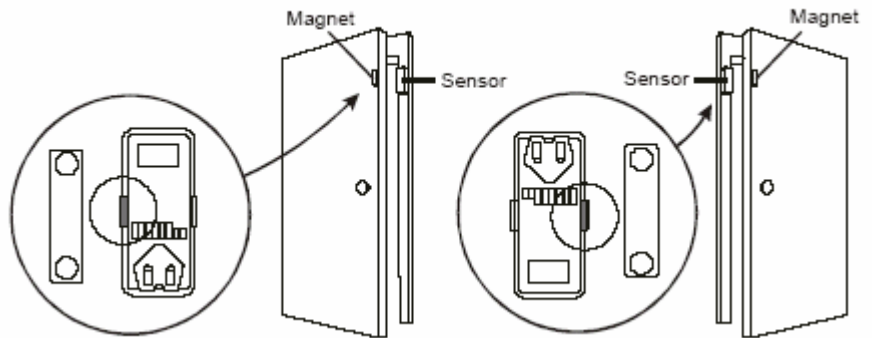
Installing the Door/Window Sensor

Window / Door Sensor is used to monitor doors or windows that open and close. When these doors / windows are open or closed, the sensors will transmit a signal to the control panel to notify the user. These sensors consist of 2 parts, one is the transmitter, the other is the magnet.

Remove the top cover of the sensor and insert the 3V lithium battery to the sensor.

The transmitters should be mounted on the door frame or window frame by double sided tape. The magnet should be mounted on the door or window by either double sided tape or screws.
Make sure the arrow on the magnet is aligned with the grey marking on the transmitter. (Show picture)

If the surface of the frame is flat enough, double-sided foam tape is sufficient, otherwise, it is recommended to use the mounting plate and screws as well. After mounting the sensor, put the cover back on with the Houselink logo in the upright position.

Try to mount the sensors as far away from the floor as possible to avoid damaging them. Mounting the sensors at a higher position will also result in better operating range.

Do not mount the sensor to the exterior of the door / window, always mount the sensor to the interior side of the door / window to avoid being damaged or stolen by non-intended users.

Testing: Open the door or window to trigger the sensor, the main unit will then alert you by visual/audio indication and voice cue.
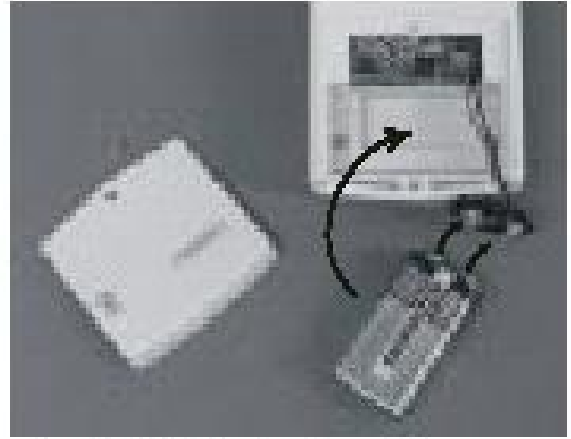
Installing the Motion Sensor

The motion sensor is most suitable for guarding the bedrooms. Use the motion sensor to monitor the passage leading to the bedrooms or hallway.

You needed to power up the sensor first. Undo the screw on the back of the motion sensor and remove the cover of the battery compartment. Connect a 9V alkaline battery to the connector wire.

If you are going to install the motion sensor outdoor, please change the sensitivity to low by changing the sensitivity jumper from HI to LOW. You also needed to change that zone to an Alert Zone. (Refer to p. XX)

Then close the battery cover and re-insert the screw.

Mount the ball-head joint on the wall with screws provided. Slide the back of the sensor into the ball-head joint. The mounting angle can be adjusted.

Keep sensors within 30m (100 ft) of Control Panel.

Walk in the detected area. If the motion is detected, a read light inside the sensor will glow. If the red light does not glow, motion has not been detected and you should re-position the sensor.

Repeated this procedure until your motion is detected. There should be no movement in the detected area during the 20 seconds.

Note: When installing the motion sensor, avoid placing it near heat or cold producing devices (i.e. A/C or furnace vents, fans, ovens, space heaters, etc). Air movement, especially caused by changes in temperature may trigger the Motion Sensor and cause false alarms. Please carefully test your Motion Sensor so that it will only be triggered by people.

Battery notes for the System

When you are reminded by the system that any sensors are in low battery, please change the battery accordingly. The sensors, keychain remotes and accessories are generally designed to have a battery life of around **one year**. Since there are large variations in different working environment, we suggest replace new batteries every **nine months.**

The alkaline batteries in the main unit are expected to use as back up purpose in normal working condition. We suggest you replace the alkaline batteries every **nine months** after you have installed new batteries or right after a shortage of electricity in your premises.

Alarm & Alert Mode

Mode	ARM LED	When a sensor Triggered	Application
Alert	Off	Notify by voice announcement, beeping and LED flashing.	When somebody in the home. The system alerts you what is happening around the users.
Arm	On	Siren goes off, LED flashing and voice announcement. Built-in dialer calls for help.	When nobody in the home. The system calls for help when a sensor is triggered.

Alert mode

In Alert mode, the control panel will give you notification of the triggered sensor(s) by voice announcement, unique beeping and LED flashing.

Number of beeps of Buzzer = Zone of the triggered sensor
Number of flashes of LED = Sensor number of the triggered sensor
Voice announcement = Tells you the zone and locations of the triggered sensor by human voice.

If zone 1 sensor 1 is triggered, you will hear a voice announcement "Zone 1 Sensor 1 triggered" from the control panel. It will also emit one beep at a time, and the LED will flash once at a time. If zone 3 sensor 2 is triggered, you will hear "Zone 3 Sensor 2 triggered. It will also emit 3 beeps at a time, and the LED will flash twice at a time.

Note: Each zone can program up to 2 sensors. There are 5 zones, so up to 10 sensors can be programmed to the control panel.

For Door / Window sensor, alert notification (beeping and LED flashing) will continue until the sensor is in the closed position, i.e. closing that window or door.

For Motion Detector, the alert notification (beeping and LED flashing) will last for 15 seconds for every detected movement.

Mute

When the beeping becomes undesired, you can terminate the beeping in 3 different ways:

1) Manual mute by pressing the mute button
Pressing the mute button will terminate the beeping for all the activated sensors. For example, if a window with a window sensor will be open for a long period of time, the continuous beeping may become undesired. Pressing the mute button will temporary disable the beeping for this sensor only, while it will still beep if other sensors are triggered. When the muted sensor is closed and triggered again, the beeping will resume, i.e. if the window is closed and then re-open, beeping will continue.

2) Change the buzzer mode to Alarm only

The beeping can be disabled for all zones and all times by changing the buzzer mode selector (on the right side of the panel) to Alarm only. All sensor alert beeping will be ignored, while the alarm siren will sound.

3) Enable Auto-Mute in Advanced Programming
This is to terminate the beeping for the specific zone(s) after it's been beeped for 15 seconds. That means beeping will be terminated automatically after 15 seconds if this feature is enabled for that zone. Refer to Advanced Programming for more information on how to enable this feature.

System Status

The control panel continuously monitors the system status as well as all the sensors status. It will monitor which sensors are triggered, any low battery sensors, any mal-function sensors, or a phone line failure.

In order to check the system status, user can press the "Status" button on the control panel, voice announcement will be made regarding the system and sensor status. When the "Status" button is pressed, you will be notified if any of the following events is occurring:

- System armed of disarmed
- Any triggered sensors
- Any sensors with low battery warning
- Any sensors with failure warning
- Phone line failure

Arm Mode

Arming the System

You should arm the system when you are the last person to leave the house. By arming the system, the control panel will call the preprogrammed emergency phone numbers and siren will sound when break-in occurs.

Note: Only arm the system when nobody is expected to be inside the premises. When someone is expected to be within the premises, the system should not be armed.

To arm the system, follow the procedures below:

1. Press "Arm" button on the control panel when no sensors are triggered. You can also use the keychain remote to arm the system by pressing button 1 on the remote.

    Note:
    - The control panel cannot be armed if there are triggered sensors. Make sure all sensors are in closed position, i.e. (close all doors, windows, no movement should be detected etc).
    - The control panel can be armed if there are sensors with low battery or failure warning.

2. After pressing the "ARM" button, the "ARM" LED will flash and you will have 45 seconds to leave the premises, this is called the exit delay. You will hear beeping during the exit delay interval. The beeping rate will change from slow to fast, the faster the beep rate, the less time you have left to leave the premises before the siren sounds.

3. When the exit delay expires, you will hear "System Armed" and beeping will stop and the ARM LED will be on steadily. This indicates the system is now armed.

Note: The control panel can also be armed even nobody is home, with a touch tone phone. Please refer to "Remote Operation by Telephone"

Disarming the system

If you trigger a sensor when entering a house with an armed control panel, you will trigger the entry delay. You will have 30 seconds to disarm the control panel. Otherwise, the siren will sound and emergency calls will be made. To disarm the control panel, follow the instructions below.

1. If any sensors are now triggered when the control panel is armed, the system will beep for 30 seconds, and ARM LED will flash during this entry delay interval. The faster the beep, the less time you have left to disarm the control panel before the siren sounds.

2. You must enter a valid password (either the Master Password, or Secondary Password) in order to disarm the system before the entry delay expires. The system can also be disarmed by pressing button 3 on the keychain remote.

3. When a valid password is entered, you will hear "System Disarmed" and the entry delay beeping will stop, the ARM LED will be off.

Note:

- The control panel can also be armed even nobody is home, with a touch tone phone. Please refer to "Remote Operation by Telephone".
- If 3 consecutive incorrect passwords are entered, alarm will sound immediately and the control panel will be in panic mode, and start calling the emergency phone numbers.

Disarming a triggered control panel

If you hear the announcement from the control panel "System Panic" after disarming the system, that means at least one sensor was activated which caused the alarm to sound while you were away. Following the procedures below to set the control panel back to standby mode.

1. There will be flashing LEDs indicating the sensor(s) that triggered the alarm. You may want to check the condition of the triggered sensor(s), the sensor(s) may be damaged if there were break-ins.
2. You need to reset the sensor by manually triggering it twice, i.e. open and close a door / window sensor, or walk in front of the motion sensor.   The LED representing that sensor will then stop flashing.
3. You must now enter the password again on the control panel or press the button 3 of the keychain remote, as an acknowledgement of the alarm event. This will set the control panel back to standby mode.

Note: The control panel can also be disarmed even nobody is home, with a touch tone phone. Please refer to "Remote Operation by Telephone"

Disarming under Duress

If you are forcibly compelled to disarm the control panel, you may enter the Duress Password. Entering the duress password will stop the siren from sounding but the control panel will silently call the emergency phone numbers for help. The called party will hear the voice announcement "System Panic".

Panic

Pressing the panic button will cause the siren to sound and outgoing calls will be made to the preprogrammed phone numbers, "System Panic" will also be announced. This can be used in any emergency situation.   You can also press the panic button on the keychain remote to perform the same function.

To stop the siren, user can enter either the Master Password, or the Secondary Password. You can also press button 3 on the keychain remote to perform the same function. This will terminate both the siren and the control panel from calling the rest of the emergency phone numbers.

Receiving an emergency call

If you are on the list as one of the recipients of the emergency call, you should read the following instructions carefully. You should also notify all the persons you will be calling so they know how to react when they receive the emergency call.

The control panel will call you when there are emergencies such as break-ins, smoke or fire events, or a senior at home needs assistance.

1. When the phone rings at the calling location, the person who answers the phone will hear a message related to the emergency events, such as "System Panic", or "Zone 1 Sensor 1 Triggered" etc. This message may be repeated several times depending on how it was programmed.
2. After the message has been played for the certain number of times, the control panel will ask for a valid password, you will hear "Enter Password".
3. Enter the 4-digit password in order to have access to the control panel, such as to disarm the alarm so it will stop the siren from sounding and terminate it from calling the rest of the numbers.   If a valid password is accepted, you will hear "Password Accepted", otherwise, you will hear "Password Failure".
4. After entering the correct password, you can follow the "Phone Command" instructions to perform the required tasks, such as disarm, check the system status again etc.

Note: Once the called party has entered a valid password, that person will not be called again, even the redial count is set to call more than once. Therefore, entering the valid password is a way to acknowledge the emergency message. The control panel will continue to call the rest of the phone numbers, unless the control panel is disarmed.

Home Automation

By adding the optional Skylink receivers, such as the Light Switch Receiver Model SW-100R, the control panel can be used to control up to 5 different receivers. There are 3 ways to control these receivers:

1. Using the keypad on the control panel to operate these receivers manually
2. Calling in away from home using a touch tone phone (Refer to "Remote Operation by Telephone")
3. Setting up Event Trigger (Refer to Advanced Programming)

These receivers should be programmed to the control panel as device 1 to 5. Please follow the programming instruction for additional devices for further information.

Light Switch Receiver Model SW-100R

To turn off a light with the control panel:
1. Press the device number button on the control panel, i.e. pressing 1 will turn off device 1, pressing 2 will turn off device 2.
2. You will hear "Device X Off", where X is the device number.
3. You will also see the PROG LED flashes, that indicate the control panel is sending out the wireless signal to control the specific device.
4. If the receiver receives the signal, the control panel will announce " Device Off Accepted".

To turn on a light with the control panel:
1. Press the number below the device number that you would like to turn on, i.e. pressing 6 will turn on device 1, pressing 7 will turn on device 2.
2. You will hear "Device X On", where X is the device number.
3. You will also see the PROG LED flashes, that indicate the control panel is sending out the wireless signal to control the specific device.
4. If the receiver receives the signal, the control panel will announce "Device On Accepted".

Communication

Remote Operation by Telephone

The control panel can be operated while you are away from home. You can have access to the control panel with any touch tone phone to perform a variety of operations, listed below.

- Arm
- Disarm
- Lights on / off
- Garage door open / close
- System status
- Disconnect

There are 2 ways you can have access to the remote phone operation.
1. You can call the control panel when you are away from home;
2. When the control panel calls you during emergency, you can enter a valid password to have access to the remote operations.

To access the control panel away from home

1. Call your home phone number, or the number that the control panel is connected to.
2. Hang up after hearing the second ring.
3. Wait at least 10 seconds, but not more than 1 minute, then call your home phone number again.
4. The control panel will pick up the phone call and ask for a password. You need to enter either the Master Password or Secondary Password. If the password is correct, you will hear "Password Accepted", otherwise, you will hear "Password Failure".
5. Once the password is accepted, you can have access to all the operations listed below:

Table 1: Remote Phone Operations

System Operation	Phone Command	Description
Turn on device X	X + [#]	Turn lights on, will hear confirmation, "Device On Accepted"
Turn off device X	X + [*]	Turn lights off, will hear confirmation, "Device Off Accepted"
Check system status	[8] + [#]	Will hear system status announcement
Arm	[7] + [#]	Will hear "System Armed"
Disarm	[9] + [#]	Will hear "System Disarmed"
Disconnect	[0] + [#]	Phone line disconnect

The same operations can be performed when the control panel calls the emergency phone numbers, the called party will hear the emergency message, it will then ask for a password. If a valid password is entered, the operations listed in Table 1 will be available.

Advanced Programming

You can customized the control panel in different configurations to suit your needs, including how the program additional sensors, remotes, how the buzzer behaves for different zones, event trigger setting etc. The followings are the advanced programming fields.

Programming Options	Command
Learn Sensor	[PROG] + [3]
Learn Remote or Receiver	[PROG] + [4]
Beep / Alarm	[PROG] + [5]
Auto Mute	[PROG] + [6]
Event Trigger	[PROG] + [7]

Alert Zone	[PROG] + [8]
Erase Sensor	[PROG] + [9]
Erase Remote / Receiver	[PROG] + [0]

Learn Sensor

You can program up to 10 sensors to the control panel. There are 5 zones, each zone can program 2 sensors. Before programming a sensor, you must decide which sensor location (zone number and sensor number) you would like to program the sensor to. It is strongly recommended that you refer to "Sensor Location Selection Guide" and study the 4 zone dependent features before deciding which sensor location you would like to program the new sensors to. The 4 zone dependent features are: 1) buzzer sound, 2) auto mute, 3) event trigger, 4) alert zone.   Explanation for each zone dependent feature can be found in Advanced Programming.

Sensor Location Selection Guide

You can program up to 10 sensors to the control panel. There are 5 zones and there are some zone dependent features. Zone dependent feature means all the sensors in that zone will operate based on the setting for that zone. So if you program 2 sensors into one zone, those 2 sensors will react in the same manner for those zone dependent features. For example, if you enable the Auto-Mute feature for zone 1, both zone 1 sensor 1, and zone 1 sensor 2 will have this feature enabled. It is not possible to enable a zone dependent feature for sensor 1 only, but not sensor 2.

Therefore, the followings are some suggestions of how you should select the sensor location.

1. Check all the zone dependent features, and determine if you would like to enable any one of them.
2. If you decide not to enable any zone dependent features and keep the factory default setting, you can simply program the sensor to any sensor location based on your own preference. Omit the following steps.
3. If you decide to enable some of the zone dependent features, check Table 2 below. Circle the zone dependent feature selections. If there are features that you would like to enable for more than 2 sensors, you need to select more than one zone for those features. Detailed explanation for each feature can be found in Advanced Programming.

	Sensor 1	Sensor 2	Zone Dependent Features			
	Location	Location	Beep / Alarm	Auto Mute	Event Trigger	Alert
Zone 1			Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 2			Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 3			Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 4			Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 5			Beep / Alarm	Y / N	Disabled / On / Off	Y / N

4. Once you have filled out the table, it should look something like this.

	Sensor 1	Sensor 2	Zone Dependent Features			
	Location	Location	Beep / Alarm	Auto Mute	Event Trigger	Alert
Zone 1	*Front Door*	*Front Window*	Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 2	*Kitchen Motion*		Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 3	*Back Door*		Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 4	*Backyard Motion*		Beep / Alarm	Y / N	Disabled / On / Off	Y / N
Zone 5	*Basement Water*	*Basement Motion*	Beep / Alarm	Y / N	Disabled / On / Off	Y / N

5. You can now refer to each column representing the zone dependent features, to program each zone with the selected feature. For example, Auto Mute feature is only enabled for zone 3, when you are in the auto mute programming, you should set it so that auto mute is only enabled for zone 3, the rest of the zone should have this feature disabled. Repeat this step for all 4 zone dependent features programming.

Learn Sensor – continue

After studying the "Sensor Location Selection Guide", you may proceed to learn the sensor to the control panel. To learn a sensor into the control panel, follow the instructions below.

5. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
6. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
7. Enter [3], which represents "learn sensor".
8. Notice all 5 zone LEDs, some of them may be off, some of them may flash once, some of the may flash twice. The LED flashing represents the occupied sensors.
   - If the zone LED remains off, that indicates that zone is not occupied by any sensor.
   - If the zone LED flashes once, that indicates sensor 1 of that zone is occupied.
   - If the zone LED flashes twice, that indicates sensor 2 of that zone is occupied.
9. You may now select a zone and sensor location to program the sensor to. Select the zone and sensor number by pressing on to button 1 to 0. Buttons 1 to 5 represent sensor 1 for zones 1 to 5. Buttons 6 to 0 represent sensor 2 for zones 1 to 5. See Fig. X. After selecting the zone and sensor numbers, that zone LED will be on.

	Sensor 1	Sensor 2
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

10. Activate the sensor, the control panel will beep and you will hear "Zone _ Sensor _ Accepted" if the sensor is programmed, the [PROG] LED will be off. To program another sensor, repeat the above steps.

Note: If an occupied sensor location is selected, the new sensor will replace the old one.

Learn Remote / Receiver

Additional keychain or keypad remote can be programmed to the control. You may also program additional receivers such as the Light Switch Receiver, Model SW-100R or Garage Door Receiver GD-101R. Maximum of 5 keychain remotes and 5 receivers can be programmed to the control panel.

- Receivers should be programmed to Device 1 to Device 5.
- Keychain or keypad remote should be programmed to Device 6 to Device 0.

Follow the instructions below to program remotes / receivers.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [4], which represents "Learn Keychain / Receiver". Notice all 5 zone LEDs, some of them may be off, some of them may flash once, some of the may flash twice. The LED flashing represents the occupied sensors.
   - If the zone LED remains off, that indicates that zone is not occupied by any keychain / receiver.
   - If the zone LED flashes once, that indicates a receiver has occupied that device. Zone 1 LED flashes once means Device 1 is occupied.
   - If the zone LED flashes twice, that indicates a keychain / keypad remote has occupied that zone. Zone 1 LED flashes twice means Device 6 is occupied.
4. For programming a receiver, select a device number from Device 1 to Device 5. Press and hold the learn button on the receiver continuously, you will see the LED flashing rapidly. To select device 1, **press button 6.** The LED stop flashing indicate the receiver has received the signal. Then press button 1 on control panel for device 1.   Once a device is selected, that zone LED will be on steadily. . You can now transmit a signal by pressing once on learn button on the receiver.
5. For programming a keychain, select a device number from Device 6 to Device 0. To select device 6, press button 6. Once a device is selected, that zone LED will be on steadily. You can now transmit a signal by pressing one of the buttons from the keychain.
6. The control panel will beep and you will hear "Device X Accepted" if the device is programmed and the [PROG] LED will be off. To program another remote / receiver, repeat the above steps.

Note: If an occupied device is selected, the new sensor will replace the old one.

Zone Dependent Setting – Beep / Alarm

User can customize the audio warning so that when a sensor is triggered, it may beep, or an alarm may sound immediately. Depending on whether the control panel is in alert mode or security mode, the audio warning will be different.

- Alert mode: If a sensor is triggered (i.e. opening a door) with the alarm feature on, the alarm will sound immediately, but it will stop when the sensor is back to normal (door closes). It control panel will not call the emergency phone numbers since it is not armed.
- Security mode: If a sensor is triggered (i.e. opening a door) with the alarm feature on and the system is armed, the siren will sound immediately without entry delay, it is called "Instant Alarm". The siren will not stop until the siren timeout or a valid password is entered. Control panel will call the emergency phone numbers to notify the users of the alarm situation.

All zones were programmed to beep at the factory.

It is recommended to program a zone into Alarm mode if:
- You need immediate attention if that sensor is triggered, such as flood sensor, smoke sensor etc.
- The sensor will not be triggered on a daily basis
- The sensor is not located outdoor

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [5], which represents "Beep / Alarm" setting. Notice all 5 zone LEDs, some of them may be off, some of them may flash. The LED flashing represents the current beep / alarm setting.
     - If the zone LED flashes, that indicates the zone is programmed to "Beep".
     - If the zone LED remains steadily on, that indicates the zone is programmed to "Alarm".
4. To change the setting between beep and alarm, press buttons 1 to 5 will set that zone to beep. Pressing buttons 6 to 0 will set that zone to alarm. Refer to Fig X. After making the change, notice the status of the zone LED changes as well.

	Beep	**Alarm**
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

5. You are allow to make unlimited changes before programming is quit. Once you are satisfied with the settings, press [PROG] to quit programming and the settings will be saved.

Zone Dependent Setting – Auto Mute

Once a sensor is triggered, audio warning will be emitted, either beep or alarm. For example, if a door is opened, the audio warning will not stop until the door is closed. If the door is open for 2 hours, the audio warning will go on for 2 hours. There are times that this is not desired. With the auto mute feature enabled, the audio warning will go on for only 15 seconds. After that, if the sensor remains open, only the zone LED will flash to indicate the sensor is triggered. Audio warning will go on again if the sensor is closed and open again.

This feature was disabled for all zones at the factory.

To enable auto mute feature, follow the instructions below.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [6], which represents "Auto Mute" setting. Notice all 5 zone LEDs, some of them may be off, some of them may flash. The LED flashing represents the current auto mute setting.
    - If the zone LED flashes, that indicates auto mute is disabled
    - If the zone LED remains steadily on, that indicates auto mute is enabled
4. To change the setting between auto mute enable and disable, press buttons 1 to 5 will disable auto mute for those zones. Pressing buttons 6 to 0 will enable auto mute for those zones. Refer to Fig X. After making the change, notice the status of the zone LED changes as well.

	Disable Auto Mute	Enable Auto Mute
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

5. You are allowed to make unlimited changes before programming is quit. Once you are satisfied with the settings, press [PROG] to quit programming and the settings will be saved.

Zone Dependent Setting – Event Trigger

Home Automation is one of the features that makes this system so powerful. You can control up to 5 different devices not only manually, but also automatically. It is called Event Trigger. That means when a sensor is triggered, the control panel will transmit a signal to activate the designated receiver. Applications include:
- Lights on when you open the front door (when the door sensor is open, turn the lighting receiver on)
- Lights on when you walk into the kitchen (when the motion sensor in the kitchen is activated, turn the lighting receiver on)

Event trigger is only applicable to the sensors and receiver in the same zone. For example, you can program device 1 to be on or off when zone 1 sensor(s) is triggered. You can also program device 2 to be on / off when zone 2 sensor(s) is triggered.

This feature was disabled for all zones at the factory.

To enable event trigger, follow the instructions below.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [7], which represents "Event Trigger" setting. Notice all 5 zone LEDs, some of them may be off, some of them may flash once, some of them may be on steadily. The LED flashing represents the current event trigger setting.

    - If the zone LED is off, that indicates event trigger is disabled.

    - If the zone LED flashes, that indicates event trigger is enabled, and it will turn off the corresponding device when the sensor(s) is activated

    - If the zone LED remains steadily on, that indicates event trigger is enabled, and it will turn on the corresponding device when the sensor(s) is activated

4. To change the event trigger setting, press buttons 1 to 5 will disable event trigger for those zones. Pressing buttons 6 to 0 will enable event trigger for those zones. However, even this feature is enabled, you still have to select whether you want to turn that device on or off when the sensor(s) is triggered. Pressing buttons [6] to [0] will toggle the setting between on and off. For example, if the LED is currently showing event trigger for zone 2 is enable with the Off signal, you can press button [7] to change it to the On signal. Pressing [7] again will change it back to Off signal. Refer to Fig X. After making the change, notice the status of the zone LED changes as well.

	Disable Event Trigger	Enable Event Trigger (Toggle between Off and On)
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

5. You are allowed to make unlimited changes before programming is quit. Once you are satisfied with the settings, press [PROG] to quit programming and the settings will be saved.

Note: If event triggered is enabled for a door sensor, which turn lights on when it is open, this feature will not be activated during exit delay. Since during exit delay, users suppose to leave the premises and therefore lights will not be turned on. However, if the event triggered is enabled to turn lights off, it will be activated during exit delay.

Zone Dependent Setting – Alert Zone

As explained earlier, the control panel can operate in 2 different modes, 1) Alert Mode, 2) Security Mode. In security mode, when a sensor is triggered, the control panel will need to be disarmed either after 30 seconds (with entry delay), or siren will sound immediately (with instant alarm). However, there are sensors that you do not want to trigger the alarm when the system

is armed. Such as outdoor motion sensor, or any other sensors that you only want to give you alert notification.   Under such circumstances, zone(s) can be program to react only when the control panel is in alert mode, these zones will be ignored when the control panel is in security mode.

It is recommend to enable alert zone if:

- You do not consider the sensors in that zone are emergency
- Sensors in that zone are located outdoor
- When nobody is home, you do not want to know the status of the sensors in that zone

This feature was disabled for all zones at the factory.

To enable alert zone feature, follow the instructions below.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [8], which represents "Alert Zone" setting. Notice all 5 zone LEDs, some of them may be off, some of them may flash. The LED flashing represents the current alert zone setting.
    - If the zone LED flashes, that indicates alert zone is disabled
    - If the zone LED remains steadily on, that indicates alert zone is enabled
4. To change the setting between alert zone enable and disable, press buttons 1 to 5 will disable alert zone feature for those zones. Pressing buttons 6 to 0 will enable alert zone feature for those zones. Refer to Fig X. After making the change, notice the status of the zone LED changes as well.

	Disable Alert Zone	Enable Alert Zone
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

5. You are allowed to make unlimited changes before programming is quit. Once you are satisfied with the settings, press [PROG] to quit programming and the settings will be saved.

Erase Sensor

Proceed the followings to erase a sensor.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [9], which represents "Erase Sensor".
4. Notice all 5 zone LEDs, some of them may be off, some of them may flash once, some of the may flash twice. The LED flashing represents the occupied sensors.

- If the zone LED remains off, that indicates that zone is not occupied by any sensor.
- If the zone LED flashes once, that indicates sensor 1 of that zone is occupied.
- If the zone LED flashes twice, that indicates sensor 2 of that zone is occupied.

5. You may now select which sensor location to erase. Select the zone and sensor number by pressing buttons [1] to [0]. Buttons 1 to 5 represent sensor 1 for zones 1 to 5. Buttons 6 to 0 represent sensor 2 for zones 1 to 5. After selecting the sensor location, you will hear 3 beeps and "Zone_ Sensor_ Empty Memory". This confirms the selected sensor has been erased, and the [PROG] LED will be off. To erase another sensor, repeat the above steps.

|	Sensor 1	Sensor 2
Zone 1	Button [1]	Button [6]
Zone 2	Button [2]	Button [7]
Zone 3	Button [3]	Button [8]
Zone 4	Button [4]	Button [9]
Zone 5	Button [5]	Button [0]

Erase Remotes / Receiver

Follow the instructions below to erase keychain or keypad remotes / receivers.

1. Press the [PROG] button on the side of the control panel, the [PROG] LED will be on.
2. Enter the current Master Password. Control panel will emit 3 beeps if the valid password is entered, otherwise a single long beep will be emitted and [PROG] LED will be off.
3. Enter [0], which represents "Erase Keychain / Receiver". Notice all 5 zone LEDs, some of them may be off, some of them may flash once, some of the may flash twice. The LED flashing represents the occupied sensors.
- If the zone LED remains off, that indicates that zone is not occupied by any keychain / receiver.
- If the zone LED flashes once, that indicates a receiver has occupied that device. Zone 1 LED flashes once means Device 1 is occupied.
- If the zone LED flashes twice, that indicates a keychain / keypad remote has occupied that zone. Zone 1 LED flashes twice means Device 6 is occupied.
4. To erase a receiver, enter a device number from Device 1 to Device 5. To select device 1, press button 1. Once a device is selected, you will hear 3 beeps and "Device_ Empty Memory".
5. To erase a keychain, enter a device number from Device 6 to Device 0. To select device 6, press button 6. Once a device is selected, you will hear 3 beeps and "Device_ Empty Memory".
6. To erase another remote / receiver, repeat the above steps.

Mounting the Control Panel on the wall

1. Place the screw at the desired location.
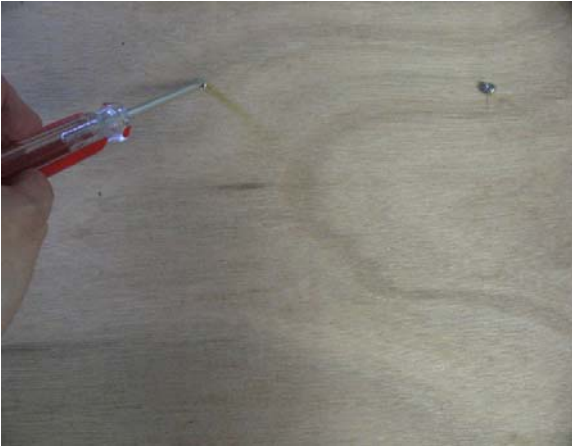
2. Mount the unit onto the wall with 2 screws.

FCC Information

Consumer Information:

a) This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format ***US:AAAEQ##TXXXX.*** If requested, this number must be provided to the telephone company.

b) An applicable certification jacks Universal Service Order Codes (USOC) for the equipment is provided (i.e., ***RJ11C***) in the packaging with each piece of approved terminal equipment.

c) A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

d) The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. [For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format ***US:AAAEQ##TXXXX***. The digits represented by ## are the REN without a decimal point (*e.g.*, 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.]

e) If this equipment AM-002 causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

f) The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

g) Should you experience trouble with this equipment, please contact Skylink Customer Support at 1-800-304-1187 for repair or warranty information. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

h) Please follow instructions for repairing if any (e.g. battery replacement section); otherwise do not alternate or repair any parts of device except specified.

i) Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

j) **NOTICE:** If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this model AM-002 does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

NOTICE: According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources. To minimize damage from these types of surges, a surge arrestor is recommended.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This is device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

☐   Reorient or relocate the receiving antenna.

☐   Increase the separation between the equipment and receiver.

☐   Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

☐   Consult the dealer or an experienced radio/TV technician for help.

Customer Service

17 Sheard Avenue,
Brampton,
Ontario,
L6Y 1J3
Canada
Toll Free 1-800-304-1187

AAA Plus™ Accessories

The AAA Plus™ receiver can work with up to 10 sensors and 5 remote controls. It can also used to trigger unlimited number of Houselink® secondary alarm and emergency dialer.

Sensor		
	WD-101	Door/Window Sensor
	FS-101	Water Sensor
	GS-102	Garage Door Sensor (Europe)
	GS-101	Garage Door Sensor (North America)
	PS-101	Motion Sensor * suitable for indoor and outdoor (alert mode) use.

Remote Control & Panic Button		
	4B-434	Keychain Remote
	PT-434	Panic Transmitter

	KP-434	Keypad Remote

Wireless Switch for Automation

	SW-100R	Wireless Switch Receiver (North America)

	SW-100R (same model number for US and EU?)	Wireless Switch Receiver (Europe)

External devices

	RP-434	Repeater * extend the wireless operating range between receiver and all other accessories.

	AS-101	Audio Alarm * used as external alarm.

	AD-433S / AD-433SE	Emergency Dialer (North America / Europe)

	SDO Series of Products	Swing Door Operator Coming soon??

Please visit www.skylinkhome.com or contact us at support@skylinkhome.com for more information of how to fully utilize your AAA Plus™ system.