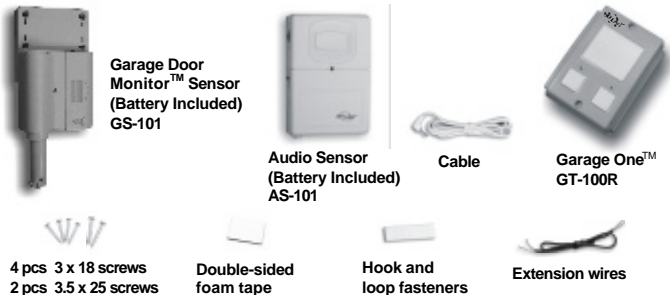


Garage CO Monitor with Auto-closer

Model GT-120

1. INTRODUCTION

Congratulations on your purchase of the Skylink® Garage One™, Garage CO Monitor with Auto-closer. Skylink® Garage One™ is very easy to install and provides you with the peace of mind you have been looking for by knowing your garage will not be left open plus if the CO level exceeds safety limit, your garage door will be open automatically to improve ventilation. Skylink® Garage One™ CO Monitor with Auto-closer consists of the following:



Garage One™ does not require any battery to operate and it can replace most of the existing garage door opener's push buttons. Garage Door Monitor™ Sensor and Audio Sensor are battery operated and can be mounted installed by double sided tape or screws. These units operate wirelessly which simplifies the installation.

WARNING

Before installing the Skylink® Garage One™, ensure your garage door is equipped with an external entrapment protection device, such as an infrared beam sensor which "sees" an object obstructing the door without having actual contact with the object. A Garage door opener does that not have the auto reversing mechanism should be replaced by one that has the auto reversing mechanism feature and the garage door closer must not be installed on garage a door opener without this feature.

Without a properly working safety reversal system, a person could be seriously injured or killed by a closing garage door.

2. INSTALLATION

WARNING

Unplug the power cord of your garage door opener before installation to ensure power is not connected.

The installation involves 3 units:

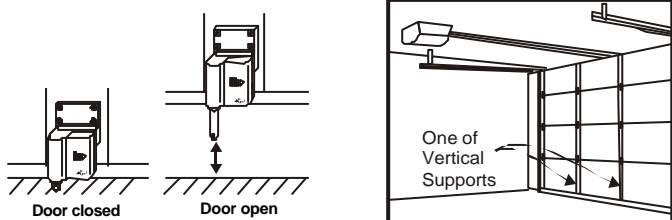
- 1) Garage Door Monitor™ Sensor
- 2) Audio Sensor
- 3) Garage One™

Garage Door Monitor™ Sensor

Step 1 – Select a spot on your garage door to mount the sensor

Before you install the sensor onto the garage door, make sure the garage door is closed. The sensor assembly should be mounted on one of the vertical supports of your garage door near the bottom.

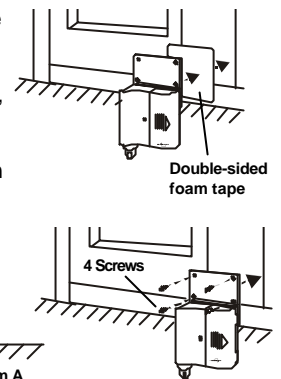
When the door is closed, the detection rod should be retracted. When the door is open, the detection rod will be extended.



2. INSTALLATION (CONT)

Step 2 – Mount the sensor on to your garage door

You can mount the sensor onto your garage door with double-sided foam tape if the surface of your garage door is smooth and clean enough to provide a good adhesive surface, such surface can usually be found on a metal garage door. Please ensure the surface is smooth and clean. **Important: The bottom of the sensor should be 1/2 inch above the ground.** (Refer to Diagram A)



For wooden garage doors, it is recommended to mount the sensor with screws on to the garage door with 3 x 18 screws provided.

Note: When the garage door is opening/closing, make sure the sensor does not interfere with the safety reversing sensor or safety beam sensor supplied with your existing garage door opener.

Note: Ensure you straighten up the antenna on the receiver to receive the best possible reception.

Audio Sensor

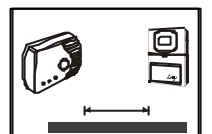
Location of the CO detector and Audio Sensor

Audio Sensor is used in conjunction with a conventional CO detector. You should avoid installing the CO detector inside the garage to prevent false alarm. The CO detector can be installed inside the house where it is close to the entrance of the garage. Therefore, when CO penetrates from the garage to the house, the CO detector is able to detect it and therefore leave the garage door open to improve the ventilation and reduce the CO concentration.

1. Place the Audio Sensor as close as possible to the CO detector. This distance between the sensor and the CO detector should be less than 6 inches.

Note: Selecting the place to locate the AS-101 is very critical, since this will affect the operation and performance of the sensor. You should avoid placing the Audio Sensor near any unwanted sound sources (such as TV, stereo) to eliminate false trigger by background noise.

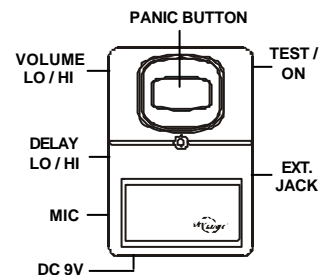
2. Apply the hook and loop fastener to the back of the sensor as well as the desired mounting location.
3. Locate the Audio Sensor AS-101 and make sure it is secure.



Set up the Audio Sensor:

1. Turn on the unit to test mode (by sliding the ON/OFF/TEST switch to "TEST"). The red light indicator will flash once you turn on the unit.
2. Allow 15 seconds for the sensor to warm up.
3. Rotate the "Volume" to "LO". You may now trigger the alarm, or active the sound source you would like to detect.
4. If the light indicator on the AS-101 turns on as the CO detector is sounding, that means it can detect the alarm from the CO detector and the installation of the AS-101 is now completed.
5. If the red light indicator does not turn on, which means the sensor cannot hear the CO detector. So you need to increase the volume setting by slightly rotating the "Volume" switch to the "HI" position.
6. Activate the CO detector again and see if the audio sensor can hear the siren. If the red light indicator does not turn on, repeat step 5 until the red light indicator turns on.
7. You should test the sensor several times in order to ensure it can hear the siren.
8. Once you have set up the audio sensor, you should put the unit to "ON" mode by sliding the "ON/OFF/TEST" switch to "ON".

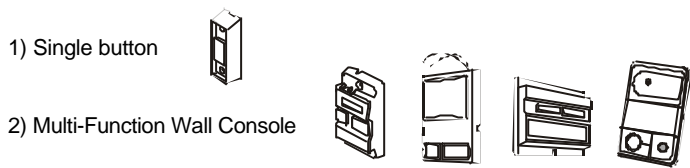
Caution: You should keep the "Volume" setting as low as possible in order to eliminate false trigger by any background noise.



2. INSTALLATION (CONT)

Garage One™

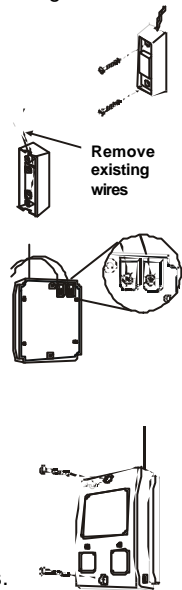
The GT-100R Garage One™ replaces most garage door “push buttons” or “wall consoles”. There are 2 different kinds of “push buttons”.



1) Single button

If your garage door opener equips with a single button “push button”, you can replace the existing push button with Skylink® Garage One™ GT-100R. Please follow the procedures below.

1. Remove the existing push button by removing the screws.
2. Disconnect the 2 wires that are connected to the existing push button.
3. Connect these 2 wires to the 2 terminals on the GT-100R Garage One™. Loosen the 2 screws on the terminals, feed the 2 wires to the 2 terminals and tighten 2 screws to secure the 2 wires.
4. After connecting the 2 wires, the red LED underneath the push button will be on. The GT-100R is now charging up. The GT-100R will be fully charged when the buzzer emits a beep (approx 10 seconds to 1 minute depending on the brand of garage door opener), the red LED will then flash slowly. The GT-100R is now ready to operate.
5. Mount the Garage One™ to the wall with 2 screws.
6. Straighten up the antenna on the GT-100R.



2) Multi-Function Wall Console

Multi-Function Wall Console normally comes with 3 buttons that can be used to:

- 1) operate the garage door opener lighting,
- 2) lock the receiver so it doesn't accept remote control operation, and
- 3) push button for door opening / closing

Depending on the brand of garage door opener you have, the installation is different.

Multi-Function Wall Console for Chamberlain®, Lift-Master®, Sears Craftsman®

Skylink® GT-100R Garage One™ also has 3 buttons. It can replace Chamberlain®, Lift-Master®, and Sears Craftsman® Multi-Function Wall Console directly. That means if you have any one of these wall consoles, you can simply remove the existing wall console and replace it with a Skylink® GT-100R. To replace a multi-function wall console mentioned above, follow the same procedure as to replace a “Single button” wall console.



If your Chamberlain®, LiftMaster® and Sears Craftsman® Multi-Function Wall Console has more than 2 wires, the Skylink® GT-100R should be installed in parallel with the original Multi-Function Wall Console. Connect the 2 wires from the GT-100R to the 2 terminals marked “RED” and “WHT” on your existing Multi-Function Wall Console. Polarity DOES NOT matter. *Note: Do not remove the existing wires from your Multi-Function Wall Console.*

2. INSTALLATION (CONT)

Genie® Deluxe Wall Console

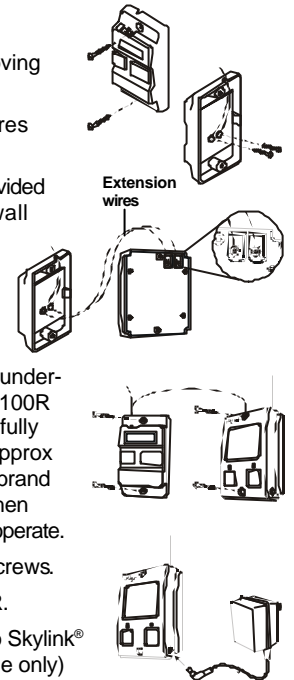
For the Genie® Deluxe Wall Console, depending on whether the “lock” feature will be used.


- If the “lock” feature will not be used, you can simply replace the Genie® Deluxe Wall Console with a Skylink® GT-100R. To replace a multi-function wall console, follow the same procedure as to replace a “Single button” wall console.
- If the “lock” feature will be used, you need to connect the Skylink® GT-100R in parallel with the Genie® Deluxe Wall Console and an additional transformer (sold separately) is needed. Follow the instructions below:



Parallel Connection

1. Remove the existing push button by removing the screws.
2. Remove the 2 screws that secure the wires on the Genie® wall console.
3. Connect one end of the extension wires provided in this kit to the 2 terminals on the Genie® wall console, the other end to the 2 terminals on the GT-100R wall console. Polarity DOES NOT matter. *Note: Do not remove the existing wires from the Genie® wall console.*
4. After connecting the 2 wires, the red LED underneath the push button will be on. The GT-100R is now charging up. The GT-100R will be fully charged when the buzzer emits a beep (approx 10 seconds to 1 minute depending on the brand of garage door opener), the red LED will then flash slowly. The GT-100R is now ready to operate.
5. Mount both wall consoles to the wall with screws.
6. Straighten up the antenna on the GT-100R.
7. Plug in the transformer (sold separately) to Skylink® GT-100R. (For Genie® Deluxe Wall Console only)



Rating of the transformer: 12V DC, 100mA 
Diameter of DC plug : 3.5mm

Multi-Function Wall Console – Other Brands

For brands other than Chamberlain®, Lift-Master®, Sears Craftsman® and Genie®, the Skylink® GT-100R should be installed in parallel with the original Multi-Function Wall Console. Refer to “Parallel Connection” under Genie® Deluxe Wall Console.

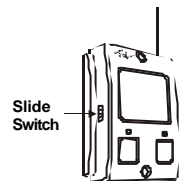
3. OPERATION

After installing the Skylink® Garage One™, you may connect the power to the garage door opener.

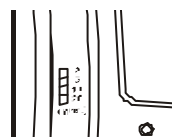
The garage door closer monitors the door position in order to determine when the door needs to be closed. The Garage Door Sensor will send wireless signal to the wall console to report the door's position. User can set the wall console so it will close the door after it has been opened for a predetermined period of time.

Door Closer Delay Timer

User has the option to program how long the door should be closed after it has been open. This is called “Door Closer Delay Timer”. To change the setting of this timer, there is a slide switch on the side of the Garage One™.



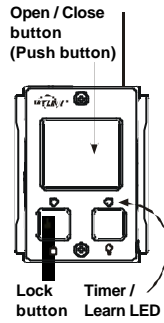
The highest position represents **2 minutes**;
2nd position from the top represents **5 minutes**;
3rd position from the top represents **10 minutes**;
The lowest position represents **20 minutes**;



3. OPERATION (CONT)

Follow the procedure below to test the function of the garage door closer.

- 1) The garage door should be in fully closed position.
- 2) Press the open / close button (push button) on the Garage One™, the garage door will open.
- 3) Once the door is opened, the Garage One™ will beep and the "Timer / Learn" LED will flash indicating the door is open, and it will close the door after the preset door close delay time.
- 4) The beeping rate will increase as the timer is running out, meaning the door is about to close.
- 5) When the timer expires, the garage door will be closed automatically.



Disable Door Closer Delay Timer

Cancel Door Closer Delay Timer (when the timer is running)

The door closer delay timer can be cancelled temporarily. If you want the garage door to stay open for a longer period of time, such as when you are working in the garage or kids are playing outside, the auto closer feature can be cancelled temporary.

To cancel the door closer delay timer when it is running:

- 1) Press the push button once when the timer is running (i.e. door is opened).
- 2) The red timer LED will stop flashing and beeping will stop indicating the timer is cancelled for that sequence.
- 3) The door will remain open and will not be closed automatically, until the next door opening sequence, the timer will start again.

Deactivate Door Closer Delay Timer

It is possible to deactivate the door closer delay timer. When the feature is deactivated, opening the garage door will not activate the timer, therefore, the door will not be closed automatically until the timer is activated again.

To deactivate the door closer delay timer:

- 1) Press and hold the push button for 10 seconds.
- 2) The timer red LED will stay on, meaning the timer is now disabled.
- 3) Auto closer feature is now deactivated.

To activate the door closer delay timer:

- 1) Press and hold the push button for 10 seconds when the timer is deactivated, until the timer red LED changes from on to off.
- 2) The door closer delay timer is now activated.
- 3) Opening the door will start the door closer delay timer.

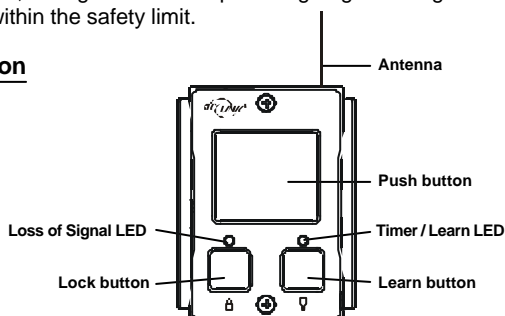
CO Detect - Door Opener

When the CO level exceeds safety limit, the CO detector inside the house will sound an alarm, the audio sensor will detect this alarm sound and send a signal to the Garage One™. Garage One™ will open the garage door to improve the ventilation and therefore reduce the concentration of the CO coming from the garage.

Garage One™ will open the door until the CO level drops below the safety limit, or it will open the door for at least 10 minutes. Once the CO level drops below safety limit, the CO detector will stop sounding and Garage One™ will close the door after the selected time period for the auto closer.

Note: If the door is closed manually when the CO level exceeds the safety limit, Garage One™ will open the garage door again until the CO level is within the safety limit.

Operation



3. OPERATION (CONT)

Push Button

Press the push button to open or close the garage door.

Lock Button

Lock feature is designed to prevent Skylink® handheld remotes such as Skylink® Keychain Remote Model 4B-201 (sold separately) to operate the garage door opener.



To activate the lock feature

1. Press and hold the lock button for approx. 2 seconds, then release it.
2. When the lock feature is activated, the red LED underneath the push button will flash rapidly.

Note: If a valid wireless remote signal is received while the lock feature is activated, Garage One™ will beep to reminding you the Garage One™ is locked.

To deactivate the lock feature

1. Press and hold the lock button for approx. 2 seconds, then release it.
2. When the lock feature is deactivated, the red LED underneath the push button will flash slowly indicating the Garage One™ is in normal operating mode and the lock feature is deactivated.

Learn Button

Skylink® Garage One™ can be used as a garage door opener receiver. It does not only operate as a garage door closer, additional handheld remote controls can be added. Additional remote controls are sold separately.

To program Skylink's remote control / sensor

1. Press the learn button for approx. 5 seconds.
2. The "Timer / Learn" red LED will be on, release the learn button.
3. Activate the Skylink® remote control. If the Skylink® remote control has multiple buttons, press the button you would like to operate.
4. The "Timer / Learn" LED will be off after it has successfully programmed the remote control.
5. You can now press the programmed remote to operate the garage door opener.

Erase Skylink® remote controls / sensors

To erase unwanted remote control(s), first erase all remote controls and sensors, then program the ones you would like to keep.

Erase all remote controls / sensors

1. Press and hold the learn button for 15 seconds.
2. The "Timer / Learn" red LED will flash rapidly meaning all remote have been erased.
3. You have now successfully erased all the remote controls and sensors. Follow the instructions "To program Skylink's remote control" to add the remote control(s) you would like to keep.

Chamberlain®, Lift-Master®, Sears Craftsman® Multi-Function Wall Console

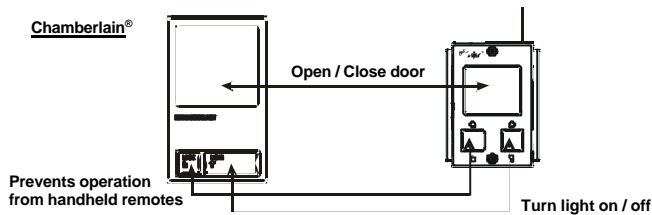
There are 3 buttons on the Multi-Function Wall Console:

- 1) Push Button - Open / Close garage door.
- 2) Lock Button - Enable / Disable operation from handheld remotes to operate the garage door opener.
- 3) Light Button - Turn on / off light.

Skylink® Garage One™ also has 3 buttons, their functions are identical to the Chamberlain® / Lift-Master® / Sears Craftsman® wall console.

Chamberlain® / Lift-Master® / Sears®	Function	Equivalent button on Skylink® Garage One™
Push Bar	Open / Close door	Push Button
Lock Button	Enable / Disable operation from handheld remotes	Lock Button
Light Button	Turn light on / off	Learn Button

3. OPERATION (CONT)



Loss of Signal

Skylink® Garage One™ also monitors the status of the garage door sensor and Audio Sensor. If the garage door sensor or audio sensor fails to communicate with the wall console, the loss of signal LED will flash indicating a trouble condition for the sensor. The flashing is different depending on the type of sensor:

- Garage Door Sensor: One flash at a time
- Audio Sensor: Two flashes at a time

When the loss of signal is flashing, please check the following:

- Check the battery of the sensor.
- The LED on the sensor should flash when the sensor is triggered.

4. BATTERY

Model AS-101

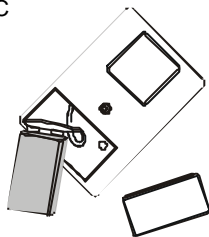
Sensor Low Battery

Depending on the operating condition and environment, the battery life is approximately 6 months.

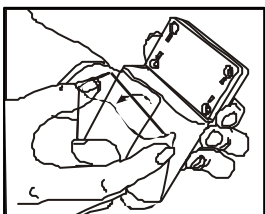
When the sensor is running low in battery, the sensor will send a wireless low battery signal to Garage One™. Please replace the battery of that sensor.

To replace the battery:

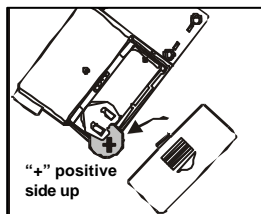
1. Turn off the audio sensor and disconnect the AC adapter from the sensor (if the adapter is connected).
2. Pry off the battery cover and remove the old battery from the battery compartment.
3. Connect the new 9V alkaline battery to the connector wire and place the battery inside the battery compartment.
4. Slide the battery cover back on.
5. Turn the Audio Sensor to "ON" mode.



Model GS-101



Remove transparent protective cover



Insert 3V battery to the sensor

1. Remove the transparent cover from the sensor.
2. Remove the cover on the battery compartment.
3. Remove the battery from the battery holder and replace it with a new one.
4. Put the battery cover and transparent cover back on.
5. Install the sensor to the original location.

5. ACCESSORIES

Optional accessories can be added to the garage door closer.

4-Button Keychain Remote – Model 4B-201

- Keychain remote can be programmed to the garage door closer so it operates the garage door opener like an ordinary remote control.
- It transmits Skylink® rolling code.
- Multiple buttons allow operation of multiple garage door openers and lighting / appliances control.
- 12V Alkaline battery included.



KP-434 Keypad Transmitter

- Keyless Entry Transmitter.
- Password to open / close garage door with Garage One™.
- Lithium batteries included.



6. FCC

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 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.

7. WARNING

To prevent possible SERIOUS INJURY or DEATH from a closing garage door:

- Activate door ONLY when it can be seen clearly, is properly adjusted, and there are no obstructions to door travel.
- ALWAYS keep garage door in sight until completely closed. NEVER permit anyone to cross path of closing garage door.

8. WARRANTY

If, within one year from date of purchase, this product should become defective (except battery), due to faulty workmanship or materials, it will be repaired or replaced, without charge. Proof of purchase and a Return Authorization are required.

9. CUSTOMER SERVICE

If you would like to order Skylink's products or have difficulty getting them to work, please :

1. visit our FAQ section at www.skylinkhome.com, or
2. email us at support@skylinkhome.com, or
3. call our toll free at 1-800-304-1187 from Monday to Friday, 9 am to 5 pm EST.
Fax (800) 286-1320

CUSTOMER SERVICE

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US Patent. 6,597,291, 6,243,000B1

Patent Pending

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