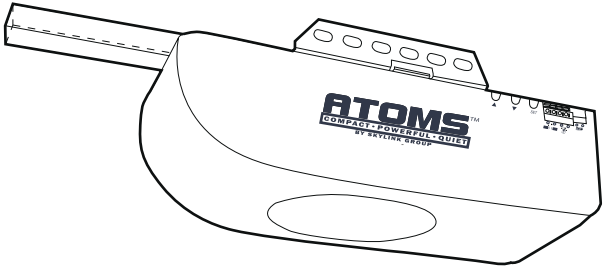
INSTRUCTION MANUAL

DC Motor Chain Drive

ATOMS™ ATR/ANR Series

GARAGE DOOR OPENER



IMPORTANT:

- Please read this manual and enclosed safety materials carefully!
- Safety Infrared Sensor MUST BE INSTALLED and aligned properly.
- Periodic checks of the opener are required to ensure safe operation.
- Save this manual for future reference.
- This Equipment meets or exceeds all Federal, State and UL325 Safety Requirements.
- For more information, updates and useful links, please visit our website http://www.skylinkhome.com

DO NOT RETURN TO THE STORE

ENGLISH
P/N: 101Y457-002

TABLE OF CONTENT

INTRODUCTION

Congratulations on your purchase of Skylink Garage Door Opener, a garage door opener with many innovative features. Features include extremely quiet operation with DC motor; automatic force adjustment so the door can be closed with just the right amount of force, not overpowered; state of the art safety reversal systems that protect your family and property near the door.

Important Safety Information

This documentation provided with your opener has been carefully designed and organized to make the assembly, operation and continued maintenance of your product as easy and safe as possible, provided it is installed, operated, maintained and tested in strict accordance with the instructions and warnings contained in this manual. Read and follow all guidlines and operating instructions before the first use of this product. Store the manual in a safe, easily accessible location.

Safety Symbol Overview

WARNING

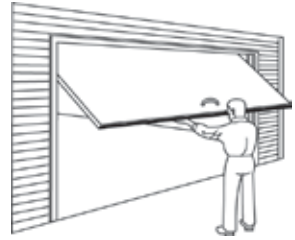
- This type of warning symbol is used to indicate possible mechanical hazards that may cause serious injuries or death.

CAUTION

- This type of warning symbol is used to indicate the possibility of damage to the garage door or opener.

PRE-INSTALLATION CHECKLIST

Sectional Door



One -Piece Door

Check the following items before assembling the opener:

- Identify the door type: sectional door or one-piece jamb door.
- Ensure your garage door is balanced and is not sticking or binding.
- Here is how to check the door balance:
  - From outside the garage, slowly open the door all the way and close it all the way – DOOR SHOULD NOT BIND OR RUB.
  - Raise the door halfway up – DOOR SHOULD STAY IN PLACE, SUPPORTED ENTIRELY BY ITS SPRING.

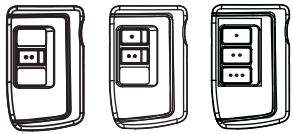
IMPORTANT

- IF THE GARAGE DOOR FAILS EITHER OF THESE TESTS, HAVE A QUALIFIED GARAGE DOOR PROFESSIONAL ADJUST OR REPAIR THE DOOR.
- If the garage door is lightweight (made with frame and skin, not solid), it must be braced or reinforced before installing the opener (including the door frame). Check with a qualified service professional for a door reinforcement kit.
- If you do not have an access door in addition to the garage door, you should install an emergency key release kit.
- If your door is more than 7' (2.1 m) high, you will need a rail extension kit (sold separately).
- With the garage door closed, check alignment of door and garage floor. The gap, if any, should be no more than 1/4" (6 mm). If the gap is larger than this, repair floor or door before installing opener.

WHAT IS INCLUDED

The garage door opener and all accessories are packaged in one carton.

Keychain Remote*



Keychain Remote*

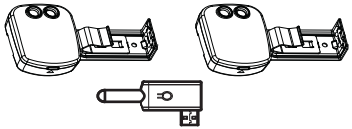
Push Button*

Wall Console*

Wireless Wall Console*

Keyless Entry*

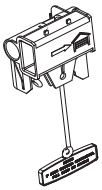
Backup Battery*



Wireless Safety Beam Kit*

Safety Beam Kit*

Sprocket Cover



Trolley Assembly

Bell Wire*

Door / Head Bracket X2

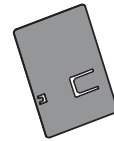
Idler Pulley
(Chain+Cable)

NOTE

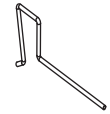
* Note that accessories will depend on the model you purchased.
If anything is missing, carefully check the packing material.

WHAT IS INCLUDED

Safety Labels



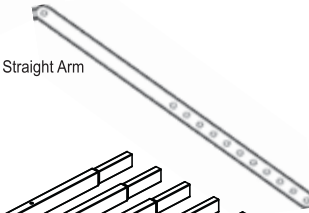
Shielding Plate



Hook

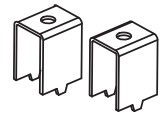
Hanging Bracket

Chain/Belt and Cable
Assembly

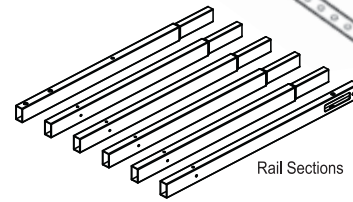


Straight Arm

Curved Arm



Mounting Bracket



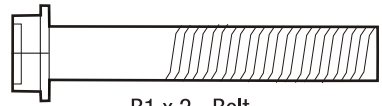
Rail Sections

BAG A

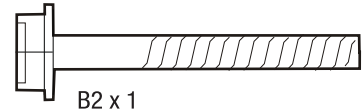
M4 Screw

A1 X 2

BAG B



B1 x 2 Bolt



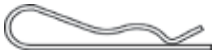
B2 x 1
Bolt

B3 x 1

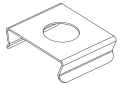
WHAT IS INCLUDED

BAG C Idler Pulley

C1 x 1 Clevis Pin



C2 x 1 Hitch Pin



C3 x 2 Spacer

BAG D Head and Hanging Bracket

D1 x 1 Clevis Pin

D2 x 1 Hitch Pin

D3 x 4 Lag Screw

BAG E Door Mounting Bracket

E1 x 1 Clevis Pin

E2 x 1 Hitch Pin

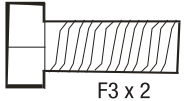
E3 x 2 Self Tapping Screw

BAG F Door Arms and Trolley

F1 x 1 Clevis Pin

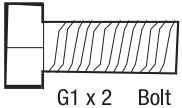
F2 x 1 Hitch Pin

F4 x 2 Locknut



F3 x 2 Bolt

BAG G Hanging Bracket



G1 x 2 Bolt

G2 x 2 Locknut

BAG H Mounting Accessory

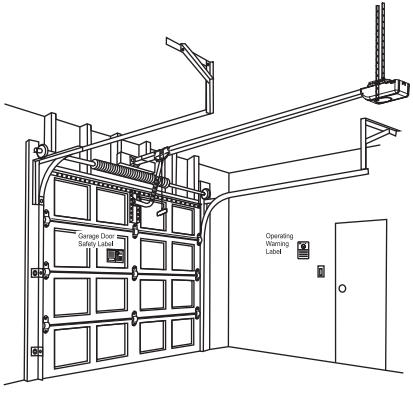
H1 x 24 Wire Holder

H2 x 4 Wood Screw

IMPORTANT INSTRUCTIONS

To reduce the risk of severe injury or death:

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
2. Check with the door manufacturer to determine if additional reinforcement is required to support the door prior to installation of the garage door opener.
3. Install garage door opener only on a properly balanced garage door. An improperly balanced door could cause serious injury. Have a qualified service professional make repairs to garage door cables, spring assemblies and other hardware before installing the opener.
4. Remove all ropes and disable all locks connected to the garage door before installing opener.
5. Mount the emergency release handle 6' (1.8 m) above floor.
6. Do not connect the opener to source of power until this manual instructs you to do so.
7. Locate the wall console or wall console:
   A. Within sight of the garage door.
   B. Out of reach of children at minimum height of 5' (1.5 m).
   C. Away from all moving parts of the door.
8. Place entrapment warning label on wall next to garage door wall control.
9. Install the Emergency Release Handle on the emergency release rope.
10. Place manual release/safety reverse test label in plain view on inside of garage door.
11. Upon completion of the installation, the door must reverse when it comes in contact with a 1 1/2" (3.8 cm) high object on the floor (or a 2x4 laid flat at the centre of the door) and when the infrared safety beam is blocked.

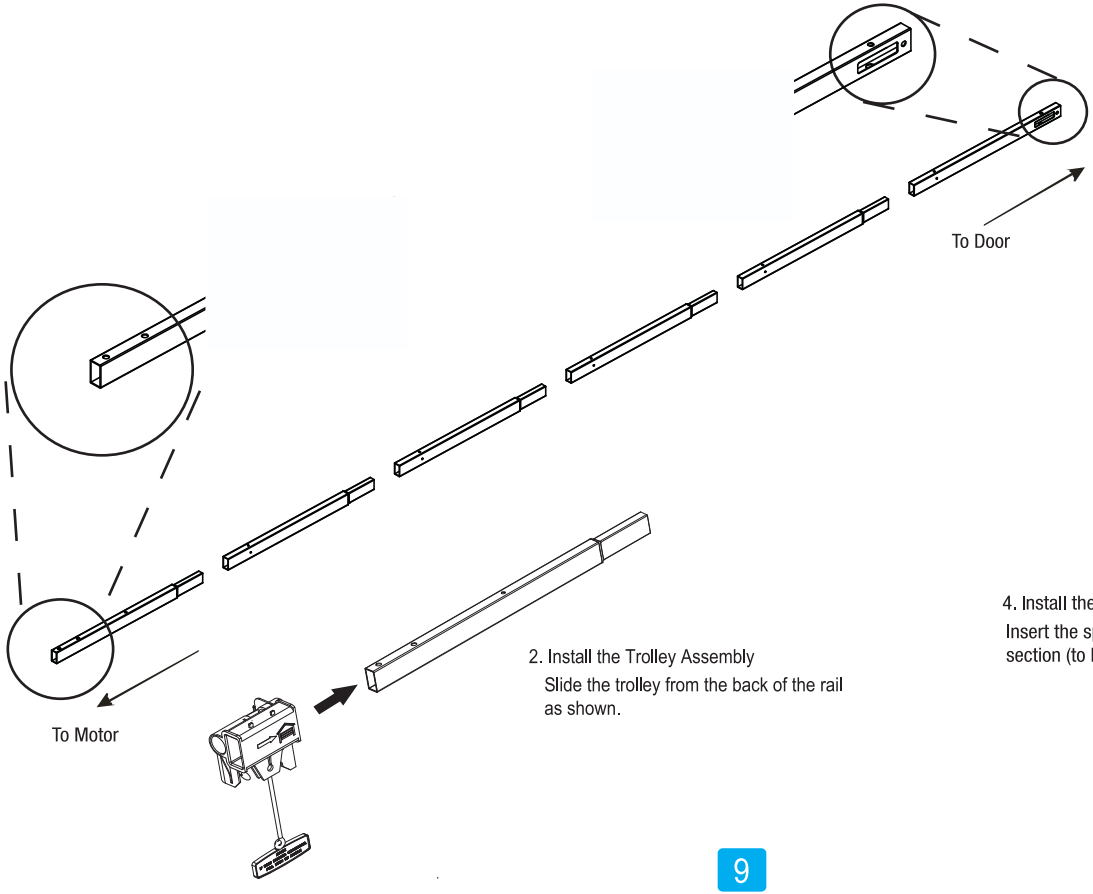


An overall view of a completed garage door opener system installed on a sectional door. The arrangement is similar for a one-piece jamb door (except for differences described later in this manual).

ASSEMBLE THE RAIL

1. Connect the Rail Sections

Align the 6 Rail sections on the floor. Connect the rails together by sliding the taped ends to the untapped ones.



2. Install the Trolley Assembly

Slide the trolley from the back of the rail as shown.

ASSEMBLE THE RAIL

Please note the " → " marking on the trolley which indicates this side to the door.

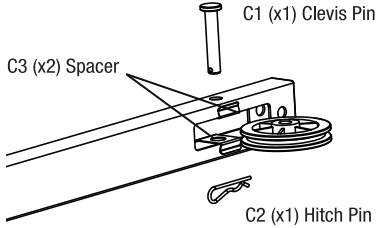
3. Install the Idler Pulley

Insert the two spacers (C3) in the top and bottom of the slot.

Place idler pulley into the slot of the front rail section (to Door).

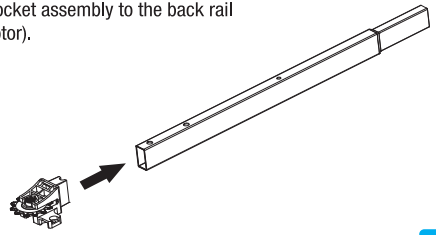
Insert the clevis pin from the top through the rail and pulley and connect with the hitch pin.

Rotate the idler pulley to be spin freely.



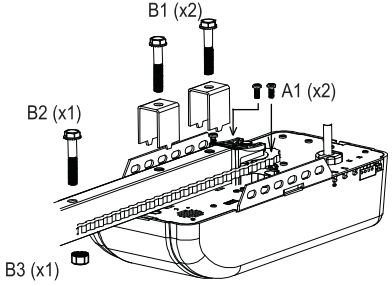
4. Install the Sprocket Assembly

Insert the sprocket assembly to the back rail section (to Motor).



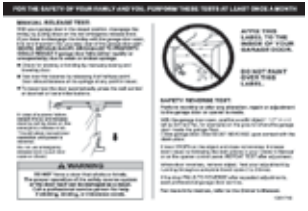
5. Attach the Rail to the Opener

Raise the rail so the rail assembly can sit on the motor unit. Insert the sprocket assembly into the shaft of the motor.
Tighten the sprocket assembly by 2 screws.
Tighten the rail sections by 2 screws and mounting brackets on the motor unit.
Insert a bolt to the stop bolt hole and secure it with nut.



6. Garage Door Safety Label

Affix this label to the inside of your garage.

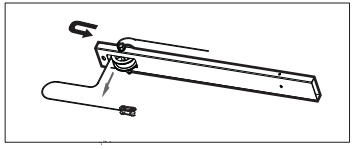


7. Prepare the Chain

Lay down the chain on the floor, as shown. Do not twist the chain or cable.

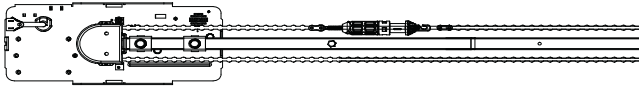
8. Place the Cable on the Pulley

Grasp the end of the trolley guide and pass the cable through the slot of the rail front end.
Ensure cable is in contact with the idler pulley.



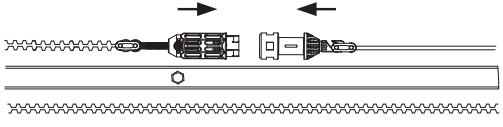
9. Align the Chain on the Sprocket

Wrap the chain around the sprocket. The sprocket must engage the chain as shown.



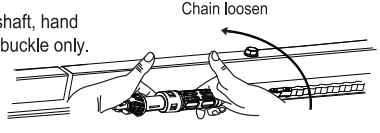
10. TIghten the Chain

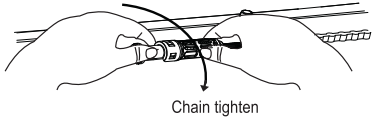
Connect the 2 ends of the chain assembly together at the turnbuckle.
Press and twist the two parts to secure together.



To connect the turnbuckle and threaded shaft, hand tighten the turnbuckle by rotating the turnbuckle only.

Do not rotate the threaded shaft to avoid twisting the chain.





IMPORTANT

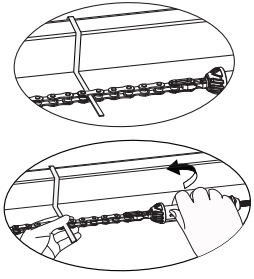
- Rotate turnbuckle only while tightening.

ASSEMBLE THE RAIL

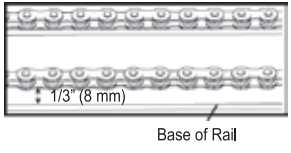
To avoid twisting the cable, insert the hook (provided) to the chain and then place on the rail.

Hold the hook and hand tighten the turnbuckle by rotating the turnbuckle.

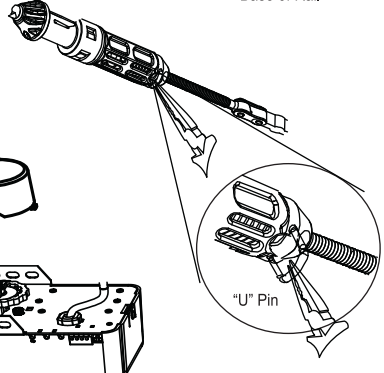
Remove the hook after tightening the chain or belt tension properly.



Twist the turnbuckle to tighten the chain tension until the chain is 1/3" (8mm) above the base of the rail.

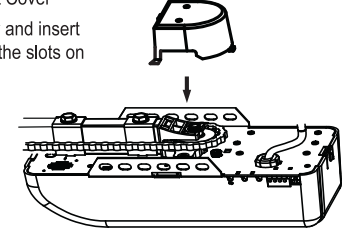


Remove the "U" pin from the turnbuckle after tighten the chain tension properly.



11. Attaching the Sprocket Cover

Squeeze the cover slightly and insert the 2 tabs on the cover in the slots on the motor unit.



NOTE

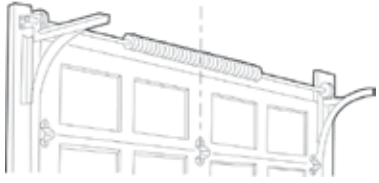
- After completing the installation, you may notice some chain drop with the door fully closed. The chain should return to the position as shown when the door is open.
- Too much or too little tension will cause excessive noise.

Locknut

INSTALL THE HEADER BRACKET

1. Mark the Door Centerline

Close the door from inside the garage and mark the vertical centreline of the door on the wall and the top door panel.

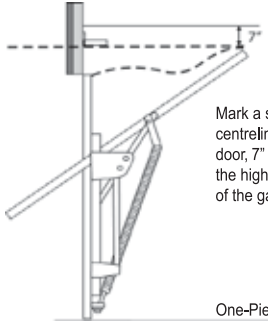


Sectional Door

Jamb Door

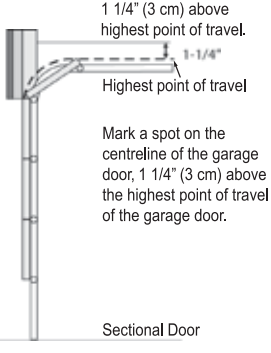
2. Mark Above the Highest Point of Travel

Close the door from inside the garage and mark the vertical centreline of the door on the wall and the top door panel.



Mark a spot on the centreline of the garage door, 7" (18 cm) above the highest point of travel of the garage door.

One-Piece Jamb Door



Mark a spot on the centreline of the garage door, 1 1/4" (3 cm) above the highest point of travel of the garage door.

Sectional Door

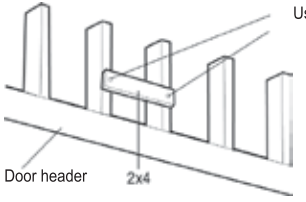
WARNING

- Header bracket must be secured to structural supports. If appropriate support does not exist, install a new support using 2x4 board on drywall or between 2 studs with lag screws (not included). DO NOT install header bracket over drywall.
- Concrete anchors must be used if mounting header bracket or 2x4 into masonry.
- Always call a trained door systems technician if garage door binds, sticks, or is out of balance. An unbalanced garage door might not reverse when required.

INSTALL THE HEADER BRACKET

3. Attach a 2x4 (if necessary)

If the calculated header bracket is above the door header, attach a 2x4 between two studs to install the header bracket.



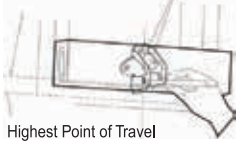
Use lag screws (not included) to attach the 2x4.

4. Attach the Header Bracket

Place the bottom edge of the bracket on the line marked above t he highest point of travel.

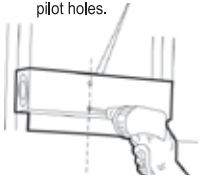
1 1/4" (3 cm) Above Sectional Door or

7" (18 cm) Above One-piece Jamb Door

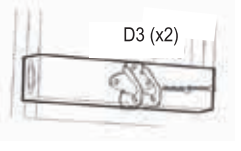


Mark the 2 holes with a pencil.

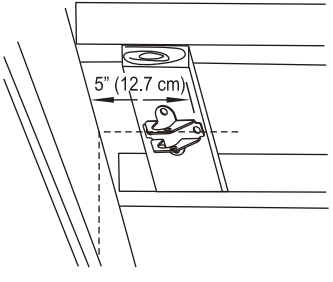
Drill two 3/16" (5 mm) pilot holes.



Attach the header bracket with 2 lag screws provided.



Note the orientation of the header bracket. Do not mount it upside down.

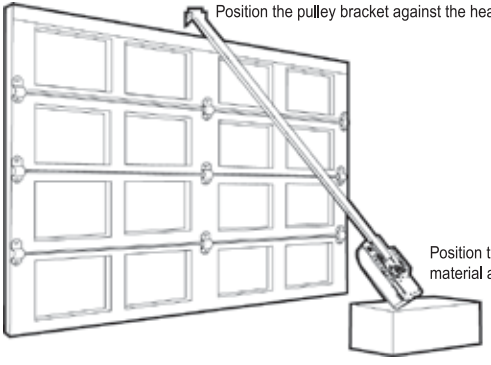


Ceiling Installation

The header bracket may be mounted to the ceiling if there is minimal clearance above the door. If so, extend the centreline to the ceiling. The back edge of the bracket must not be further than 5" (12.7 cm) from the header wall.

INSTALL THE HEADER BRACKET

5. Position The Opener

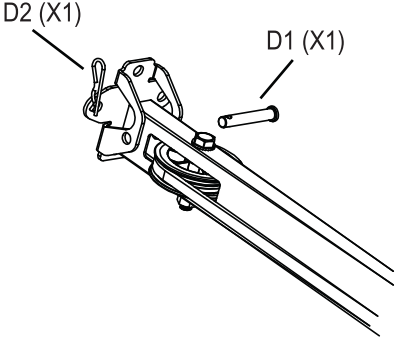


Position the pulley bracket against the header bracket.

Position the opener on the floor with packaging material as protective base.

6. Connect the Rail to the Header Bracket

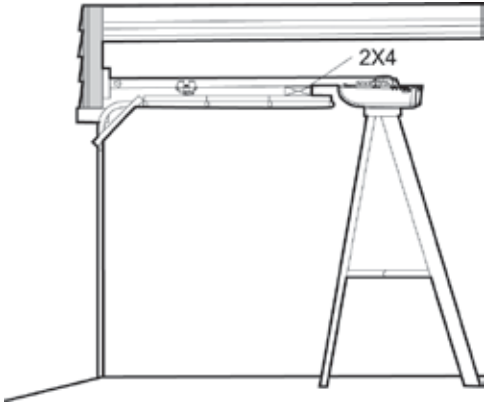
Align the bracket holes and join with a clevis pin and hitch pin as shown.



HANG THE OPENER

1. Raise the Opener

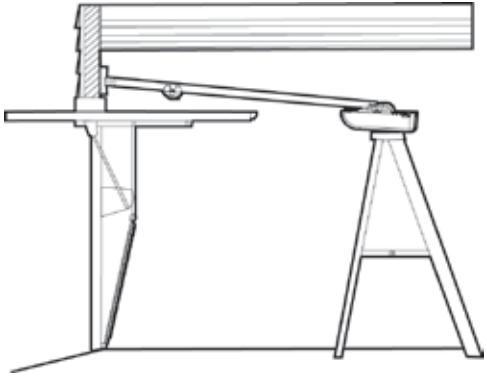
Raise the opener onto a stepladder. Use extra spacers on top of the ladder if the ladder is not tall enough.



Sectional Door

Carefully raise the door to the fully open position. Be sure the door is clear from the rail or any other part of the opener.

Place a 2x4 laid flat on the top section beneath the T-rail.



One-piece Jamb Door

Carefully raise the door to the fully open position so that it is parallel to the floor.

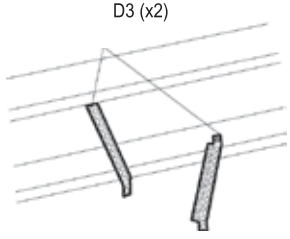
Position the opener so that top of the opener head is level with the top of the opened door.

HANG THE OPENER

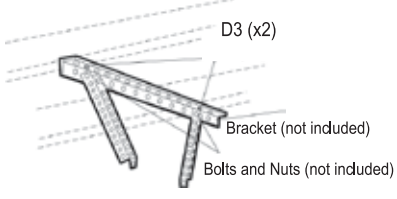
2. Attach the Hanging Brackets

Hanging brackets should be angled to provide rigid support. Measure the distance from the motor unit to the structural support. Cut and bend the hanging brackets as required.

For an “open-seam” garage, attach the hanging brackets directly to the joists with 2 lag screws.



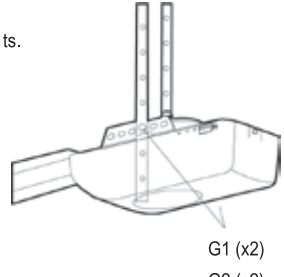
On a finished ceiling, attach a sturdy metal bracket (not included) to structural supports before installing



3. Attach the Opener to the Hanging Brackets

Attach the opener to the hanging brackets with two bolts and nu ts.

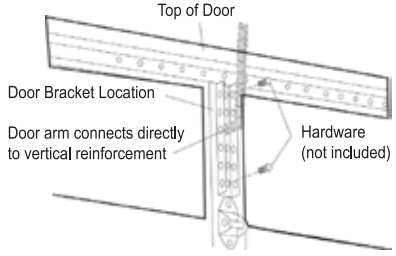
Ensure the T-rail is centred over the door. Remove the 2x4.



WARNING

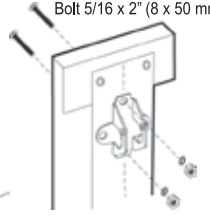
- To avoid possible serious injury from a falling garage door opener, fasten it securely to structural supports of the garage. Concrete anchors must be used if installing any brackets into masonry.

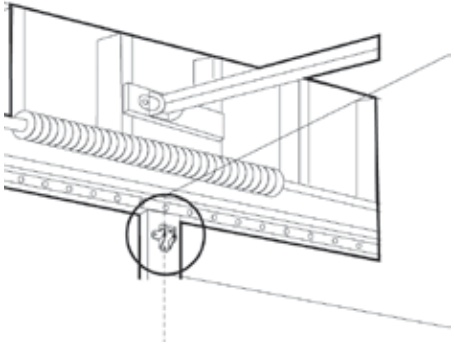
INSTALL THE DOOR BRACKET



Sectional Wood Doors

For wood doors, drill 5/16" (8 mm) holes through the door and secure bracket with 5/16 x 2" (8 x 50 mm) carriage bolts, lock washers and nuts (not included).

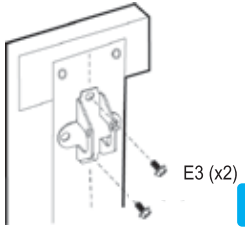




Sectional Metal Doors

Align the door bracket on the centreline 2 " to 4" (5 to 10 cm) below the top edge of the door, or directly below any door structural support.

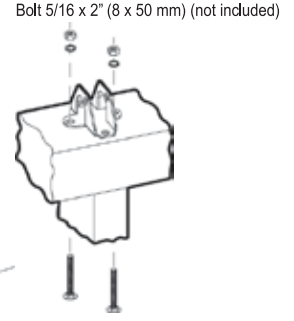
Drill two 3/16" (5 mm) pilot holes. Use 2 self-threading screws to secure the door bracket.

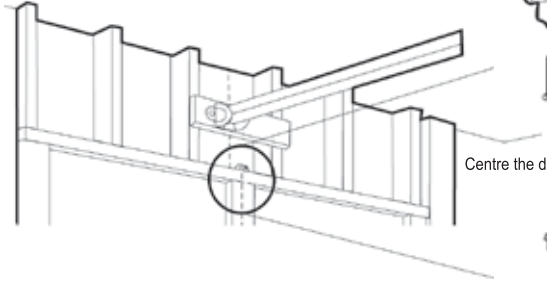


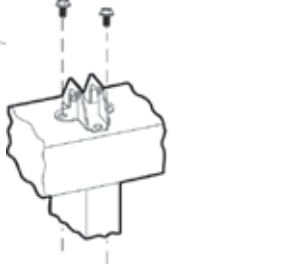
INSTALL THE DOOR BRACKET

One-Piece Wood Doors

For wood doors, drill 5/16" (8 mm) holes through the door and secure bracket with 5/16 x 2" (8 x 50 mm) carriage bolts, lock washers and nuts (not included).







One-Piece Metal Doors

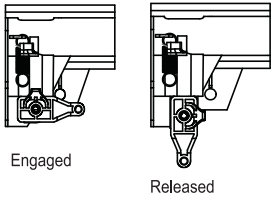
Drill two 3/16" (5 mm) pilot holes. Use 2 self-threading screws to secure the door bracket.

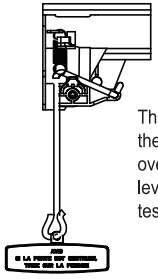
CAUTION

Lightweight garage doors are not designed for use with garage door opener must be equipped with a door reinforcement kit. Check with the garage door manufacturer for more information. Many door reinforcement kits provide for direct attachment of the clevis pin and door arm. In this case, you will not need the door bracket, proceed to "Install the Door Arms" section.

INSTALL THE DOOR ARMS

1. Attach Emergency Release Rope



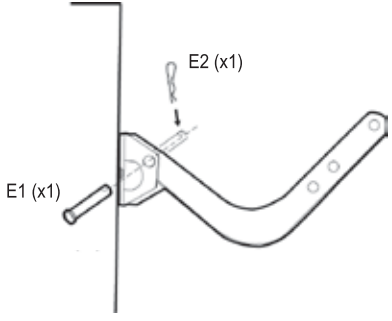


Thread the red rope through the hole in the trolley release handle and tie an over-hand knot. Leave the trolley release lever in the released position until further testing is completed.

2. Connect the Door Arm to Door Bracket

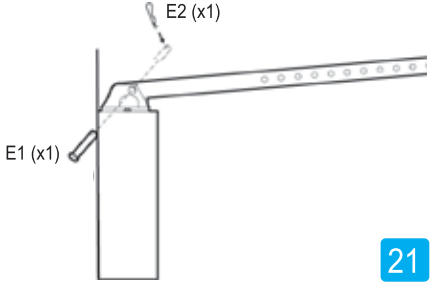
Sectional Door

Connect the curved door arm to the door bracket with clevis pin and hitch pin.



One-piece Jamb Door

Connect the straight arm to the door bracket with clevis pin and hitch pin.

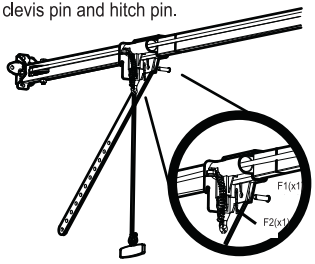


INSTALL THE DOOR ARMS

3. Connect the Door Arm to the Trolley

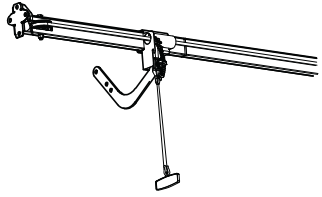
Sectional Door

Connect the straight door arm to the trolley with clevis pin and hitch pin.



One-piece Jamb Door

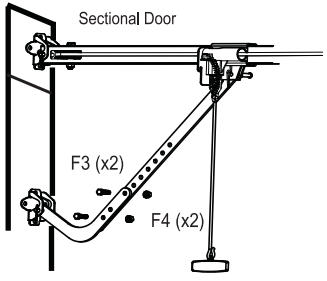
Connect the curved door arm to the trolley with clevis pin and hitch pin.



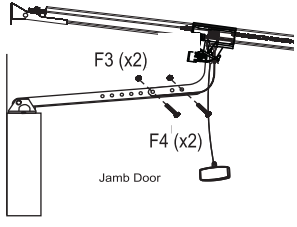
4. Connect the Door Arms Together

Bring two arms together. Find two pairs of holes that line up and join 2 arms with bolts and nuts. Select holes as far apart as possible to increase door arm rigidity.

Sectional Door



One-piece Jamb Door



NOTE:

- Emergency release handle should hang 6' (1.8 m) above floor. Adjust rope length if it is necessary.

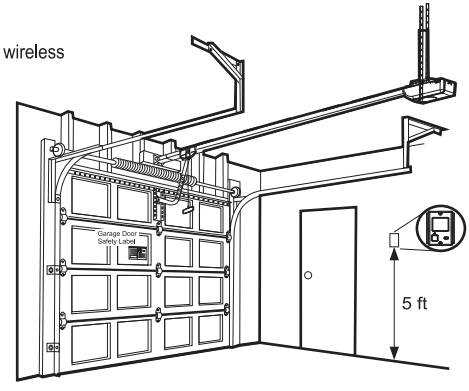
WARNING

- Use extreme care when pulling release handle. DO NOT use handle to pull door open or close.
- Never use emergency release handle unless garage doorway is clear of persons and obstructions.

INSTALL THE WALL BUTTON/CONSOLE FOR ATOMS™

1. Location

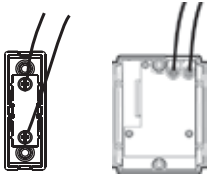
Place the wall button or wall console or wireless wall Console at least 5' (1.5 m) above the finished floor or the topmost step.



2. Connection with Garage Door Opener

a. Wireless Wall Console, refer to Programming Guide section (Page 34) to communicate with the Garage Door Opener.

b. Wired Wall Button or Wall Console, connect the bell wires to the 2 terminal screws.
Wires are not polarity sensitivity.



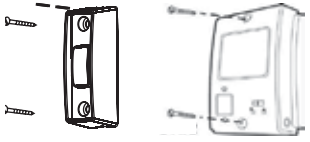
WARNING

- Wall console must be installed within sight of the garage door, out of reach to children at a minimum height of 5' (1.5 m) and away from all moving parts of door.
- Be sure power is not connected before installing the wall console.
- Wall console should only be activated when door 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.

INSTALL THE WALL BUTTON/CONSOLE FOR ATOMS™

3. Install the Wall Button/Console

Secure the wall console with two screws.

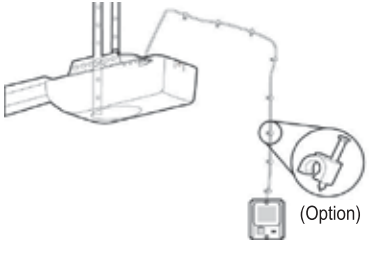


4. Operator Warning Label

Mount the user safety instruction label next to the wall console.

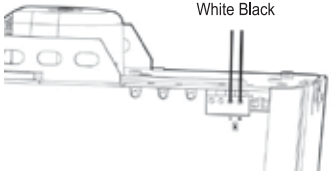
5. Route and Secure the wires

Route the wire up the wall and across the ceiling to the opener with wire holders.



6. Connect the Wires to the Opener

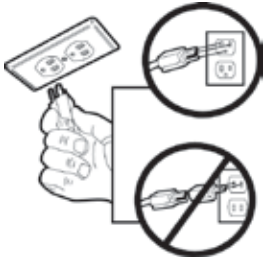
Connect the wires to the terminals. Wires are not polarity sensitivity (either wire to either terminals).



CONNECT THE OPENER TO POWER

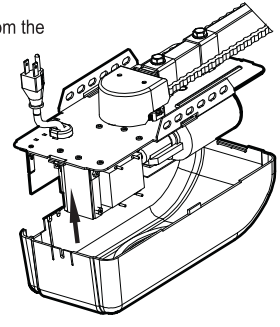
1. Connect AC Power

Plug motor unit into grounded outlet. If a grounded outlet is not available, contact a qualified electrician to install a proper outlet. DO NOT ACTIVATE THE OPENER UNTIL INSTRUCTED.



2. Permanent Wiring/Remove Cover

Be sure the power cord is unplugged. Remove the screws from the cover of the opener.

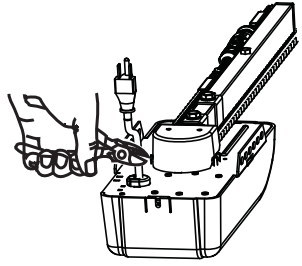


WARNING

- If permanent wiring is required by your local code, have a licensed electrical contractor follow the procedures outlined in this manual. Disconnect power to the circuit before removing cover.
- Be sure power is not connected to the opener and disconnect power to circuit before removing cover to establish permanent wiring connection.
- Garage door installation and wiring must be in compliance with all local electrical and building codes.
- Never use an extension cord, 2-wire adaptor, or change plug in any way to make it fit outlet. Be sure the opener is grounded.
- The opener has a grounded type plug for your protection and only fit into a grounding type outlet. Do not change the plug in any way.

CONNECT THE OPENER TO POWER

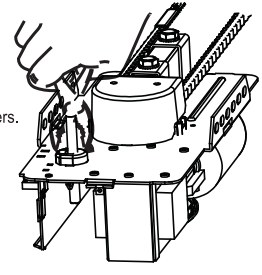
3. Permanent Wiring/Remove the Power Cord



4. Permanent Wiring/Remove the Bushing

Be sure the power cord is unplugged. Cut the cord about 6" (15 cm) above the bushing.

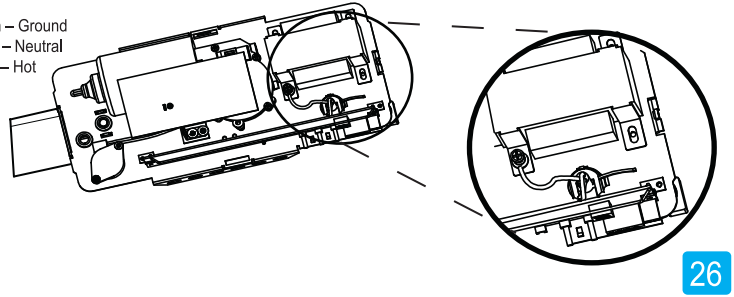
Remove the bushing with pliers.

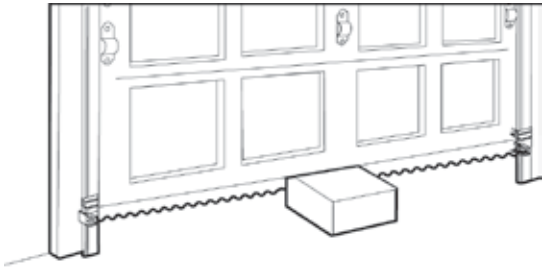


5. Permanent Wiring/Hardwire the Opener

Connect the conduit to the opener with the proper termination. Connect conduit wiring to opener wiring with wire nuts (not included). Install the bottom cover and screws.

Green – Ground
White – Neutral
Black – Hot

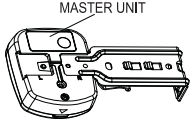




Important Information: The safety beam sensor can detect obstacles in the path of its invisible beam. When the beam is obstructed while the door is closing, the door will stop immediately, reverse to the fully open position and the opener lights will flash. It is important to ensure the invisible infrared is unobstructed by any part of the garage door, tracks, other hardware or objects near the garage door.

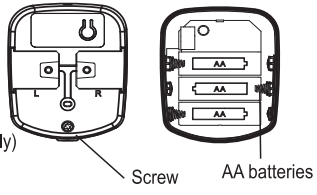
1. Identify the Master and the Slave unit

The unit with the marking "Master unit" and the 'SET' button is the Master unit.



2. Setup the Wireless Safety Beam Sensor

Undo the screw on the bottom side of the Safety Beam Sensor (Master and Slave unit).
Pry out the front cover from the back cover.
Insert 3 AA batteries in position. Beware of the polarity.
Attach the front cover to the back cover and tighten the screw on the bottom of the unit.



NOTE

- Six 1.5V Alkaline Type (AA size) batteries (sold separately) required for the Wireless Safety Beam Sensor.

WARNING

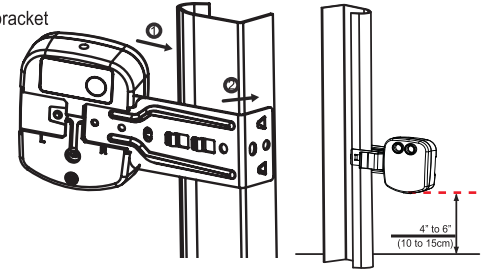
- Avoid sunlight shining directly into the safety beam sensors.
- The safety beam sensor must be installed and aligned properly.
- This safety device must not be disabled.
- The safety infrared sensor must not be installed higher than 6" (15 cm) above the garage floor.

3. Mounting the Sensor on the Door Track

Slide (1) and clip (2) the mounting bracket onto the garage door track.

Ensure the sensor is mounted between 4" (10 cm) and 6" (15 cm) above the ground.

Follow the same procedure to install the sensor on the other track ensuing the sensors are facing each other.

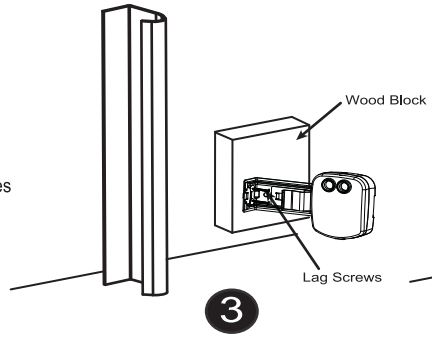


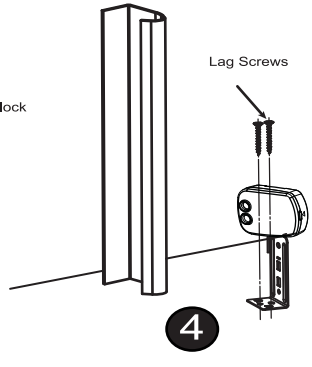
4. Mounting the Sensor on the Wall (Optional)

For wall mounting, use a wooden block to increase depth providing enough clearance for the sensor beam to be unobstructed.

5. Mounting the Sensor on the Floor (Optional)

For floor mounting, use a wooden block to elevate the sensor brackets, if necessary. Ensure the sensor is no higher than 6" (15 cm) above floor. Fasten the screws to the floor with concrete anchors (not included).

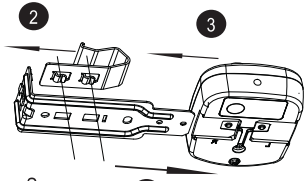




NOTE

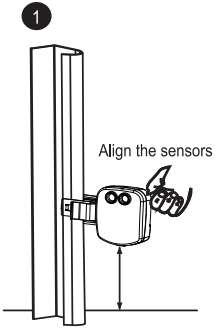
Remove the spring bracket from the mounting bracket if installing to the wall or floor.

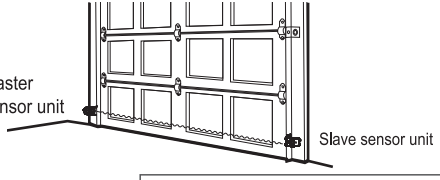
1. Slide the sensor from the mounting bracket.
2. Slide the spring bracket from the mounting bracket.
3. Re-install and secure the sensor to the mounting bracket.



6. Align the Wireless Safety Beam Sensor

1. Press the 'SET' button once on the Wireless Safety Beam Sensor (Master unit).
2. The blue LED flashes quickly.
3. Slide the mounting bracket up or down or can also be adjusted by a slight bend if needed for alignment.
4. Once the Wireless Safety Beam Sensor is aligned properly, the blue LED will stay on. The sensors will return to normal operation after stable for 10 seconds.





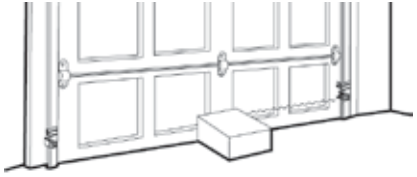
Light Status		Action
Master unit	Slave unit	
OFF	OFF	- Alignment is required - Replace battery
ON	ON	-The door is closing

NOTE

- Be sure to stay out of the beam's path while aligning.

7. Testing with Obstruction

With the sensors properly aligned, place an obstacle in the path of the beam. Press the [SET] button once on the Master sensor, the Master sensor's blue LED should be on, the Slave sensor's red LED should be off.



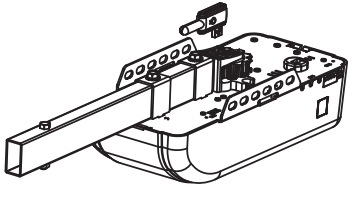
NOTE

If the sensor LED does not glow steadily, check the following:

I. Power to the sensor is installed properly.
II. Check alignment.
III. Check for dirt on lens, or sun shining into lens.

Setup The Radio Module

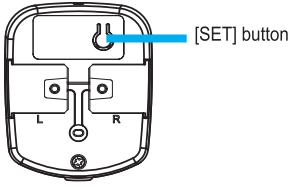
1. Unplug the power cord of your garage door opener before installation.
2. Insert the Radio Module to the socket in the garage door opener.
3. Power up the garage door opener.
4. Press the [SET] button on the Radio Module once, its green LED will flash indicating the Radio Module is ready to use.



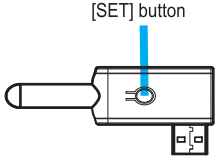
Programming The Wireless Safety Beam Sensor

1. Press and release the [SET] button on the Radio Module.
2. The green LED will flash for 15 seconds.
3. Press and hold the [SET] button on the Wireless Safety Beam Sensor (Master unit) for 5 seconds.
4. The blue LED in the Wireless Safety Beam Sensor will flash slowly. Release the [SET] button.

5. Once the Wireless Safety Beam sensor is programmed, both the green LED on the Radio Module and the blue LED on the Wireless Safety Beam sensor will flash once. This is indicating you have successfully programmed the Wireless Safety Beam sensor to the Radio Module.



Wireless Safety Beam Sensor (Master)

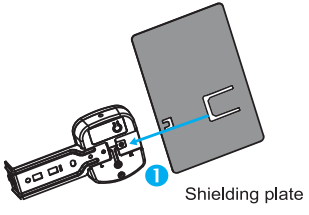


Radio Module

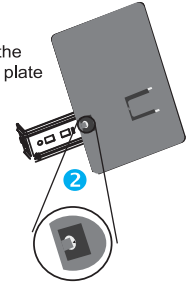
Install safety sensor shielding plate (optional) to the Wireless Safety Beam Sensor

If you have 2 garage doors and install 2 sets of garage door opener with Wireless Safety Beam sensor, follow the instructions to add on the shielding plate to the Wireless Safety Beam sensor to minimize the cross interference to the sensors.

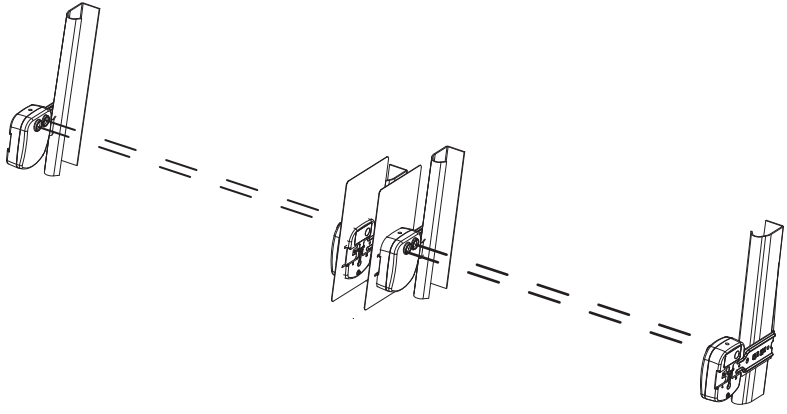
1. Insert the shielding plate into the slot of the back case (1), and mounting bracket (2).



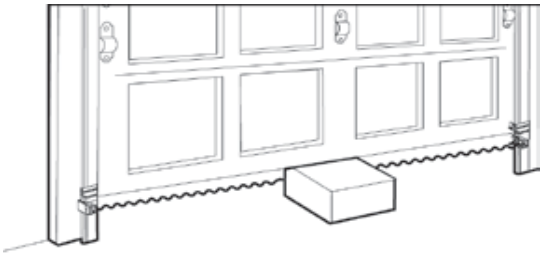
Wireless Safety Beam Sensor with bracket



2. Mount the shielded Wireless Safety Beam sensor back to back on the door tracks.



3. Align each pair of the Wireless Safety Beam sensors, refer to the instructions in page 29.



Important Information: The safety beam sensor can detect obstacles in the path of its invisible beam. When the beam is obstructed while the door is closing, the door will stop immediately, reverse to the fully open position and the opener lights will flash. It is important to ensure the invisible infrared is unobstructed by any part of the garage door, tracks, other hardware or objects near the garage door.

Install Wired Safety Beam Sensor (Optional)

1. Identify the Transmitter and the Receiver

The unit with the red LED is the transmitting sensor. The unit with the blue LED is the receiving sensor. Avoid sunlight shining directly into the receiving sensor.

NOTE

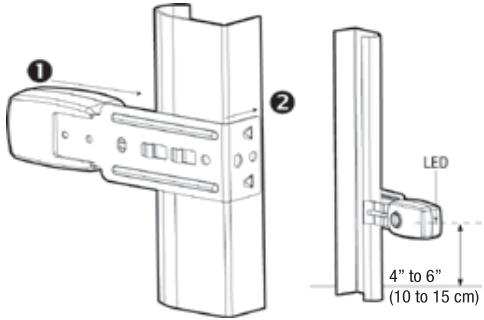
- Receiving sensor is labelled “Receive” on the wire.

WARNING

- Be sure power is not connected to the garage door opener while installing the safety beam sensor.
- The safety beam sensor must be installed and aligned properly.
- This safety device must not be disabled.
- The safety infrared sensor must not be installed higher than 6” (15 cm) above the garage floor.

2. Mounting the Sensor on the Door Track

Clip the mounting bracket onto the garage door track. Ensure the sensor is mounted between 4” (10 cm) and 6” (15 cm) above the ground. Follow the same procedure to install the sensor on the other track ensuring the sensors are facing each other.

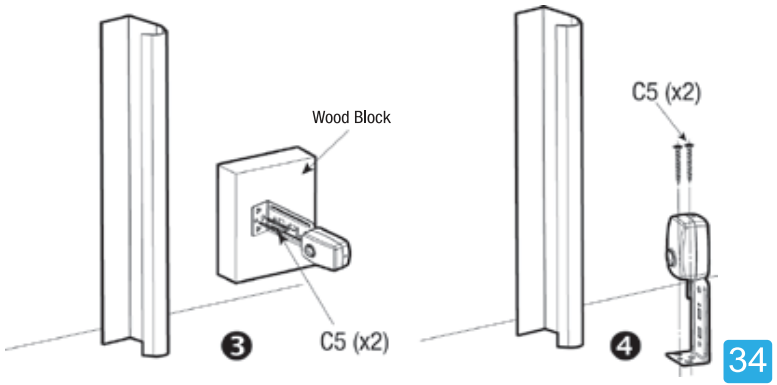


3. Mounting the Sensor on the Wall (Optional)

For wall mounting, use a wooden block to increase depth providing enough clearance for the sensor beam to be unobstructed.

4. Mounting the Sensor on the Floor (Optional)

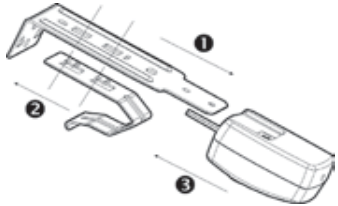
For floor mounting, use a wooden block to elevate the sensor brackets, if necessary. Ensure the sensor is no higher than 6” (15 cm) above floor. Fasten the screws to the floor with concrete anchors (not included).



NOTE

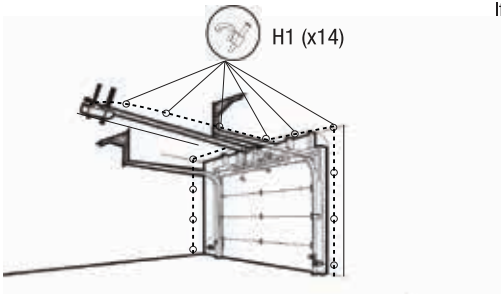
Remove the spring bracket from the mounting bracket if installing to the wall or floor.

1. Slide the sensor from the mounting bracket.
2. Slide the spring bracket from the mounting bracket.
3. Re-install and secure the sensor to the mounting bracket.



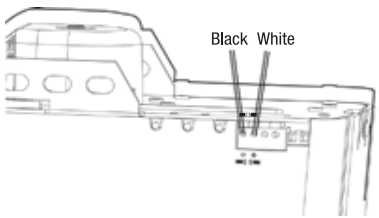
5. Route and Secure the Sensor Wires

Run the wires up the wall, then over to the centre of the door. Secure the wires to the wall with wire holders.



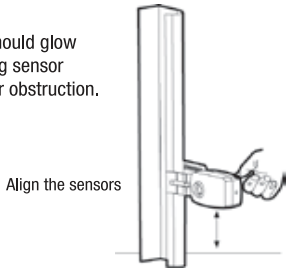
6. Connect the Wires to the Opener

Twist like-coloured wires together. Connect the wires to the ▬) (▬ terminals. Wires are not polarity sensitivity (either wire to either terminal).



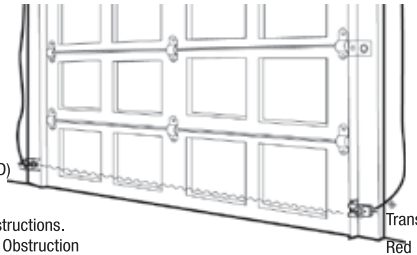
7. Check the Safety Beam Sensor LED

Plug in the opener. The receiving sensor indicator's blue LED should glow steadily if the wiring and alignment are correct. The transmitting sensor indicator's red LED will glow steadily regardless of alignment or obstruction.



8. Align the Safety Beam Sensor

If the receiver LED is off, dim, or flickering (while the invisible light beam path is not obstructed), alignment is required.



eceiving Sensor (Blue LED)

lue Light:

n– Beam Aligned. No Obstructions.
ff – Beam Not Aligned Or Obstruction
– Sensors Need Alignment.
Dim/Flickering – Sensors Need Alignment.

Transmitting Sensor (Red LED)

Red Light:
On – Power On.
Off – Power Off.

If the blue LED is flashing or off, slide the mounting bracket up or down on the track until the blue LED is steadily on. The tab for the sensor can also be adjusted by a slight bend if needed for alignment. When properly adjusted both the red and blue LED will be steadily on. After two minutes the sensors will go into sleep mode and the red and blue LED will flash every 10 seconds. When the door is closing, the sensors will return to normal operation with red and blue LED steadily on.

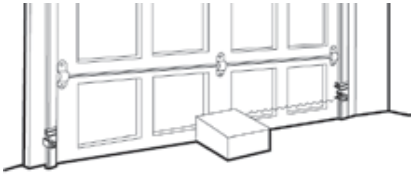
NOTE

- Be sure to stay out of the beam's path while aligning.
- The LED in the safety beam sensors will flash in every 10 seconds during standby mode.

INSTALL SAFETY BEAM SENSOR

9 Testing with Obstruction

With the sensors properly aligned, place an obstacle in the path of the beam. The transmitting sensor's red LED should be on, the receiving sensor's blue LED should be off. Remove the obstacle, both LEDs should be on steadily.



NOTE

If the transmitting sensor LED does not glow steadily, check the following:

I. Power to the opener is connected.
II. A short in the white or white/red wires (from wire holders or at the openers terminals).
III. Incorrect wiring between sensors and opener.
IV. A broken wire.

If the transmitting sensor LED glows steadily but the receiving sensor LED doesn't glow:

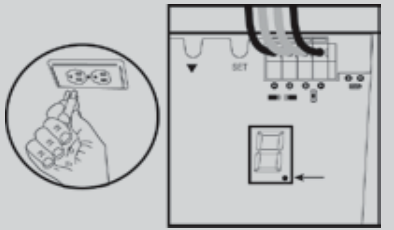
I. Check alignment.
II. Check for an open wire to the receiving sensor.
III. Check for dirt on lens, or sun shining into lens.

PROGRAMMING GUIDE – ATOMS ™

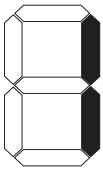
While programming, the ▲ and ▼ buttons can be used to move the door as needed.

A. Set Up Travel Limit and Open/Close Force

1. Connect the opener to an approved power source. The dot in the LED display stays on.



2. Press and hold [Set] button for 5 seconds until the LED display shows the number "1". Release the [Set] button.
3. Press the [▲] button until the door is in fully open position.
4. Press the [Set] button to confirm the door position.

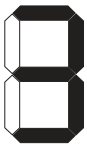


SET DOOR TRAVEL LIMIT (OPEN/CLOSE)

5. The LED display will show the number "2".
6. Press the [▼] button until the door is in fully closed position.
7. Press the [Set] button again to confirm.
8. The LED light will flash 3 times when the travel limit settings are completed.

SET DOOR TRAVEL LIMIT (CLOSE/OPEN)

9. The LED display will show the number "3".
10. Press the wall button to open the garage door to its fully open position.
11. The LED light will flash 3 times.



LEARN DOOR FORCE (OPEN/CLOSE)

12. The LED display will show the number "4".
13. Press the wall button again to close the garage door to its fully closed position.
14. The LED display will turn off.
15. Press the [Set] button to confirm.

LEARN DOOR FORCE (CLOSE/OPEN)

B. Programming Remote Controls

1. Press the [Set] button for one second. The LED display will show the letter "P".

LEARN WIRELESS CONTROL

2a. Program a Remote:
Within 30 seconds, press any button on the remote that you would like to program to the opener.

2b. Program a Wireless Wall Console:
Within 2 minutes, press the Garage Door Open/Close Button.

3. Once the button on the remote is programmed, the LED display will turn off and emit one beep indicating the programming has been successful.

LEARN WIRELESS CONTROL

C. Keypad Initial Setup

The factory default PIN is 0 0 0 0. It will be used during the keypad initial setup. After you set your own PIN, you will need to use your current PIN instead of 0 0 0 0 in below steps.

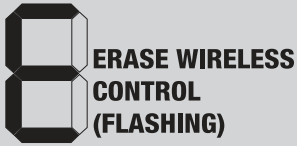
1. FOR SINGLE DOOR:
   A. Enter 0 0 0 0 and ✱.
   B. Enter the new PIN (2 to 8 digit password) and ✱.
   C. Enter your PIN again and ✱.
      If the new PIN codes are the same, the keypad will beep 3 times.
      If not, it will emit a long beep.
   D. Press the [SET] Button on the opener.
   E. Within 2 minutes, enter your PIN on the keypad and press #.
   F. Now enter your PIN and # to open/close the garage door.

2. FOR MULTIPLE DOORS:
   A. Enter 0 0 0 0 and ✱ 9 # to enable multiple door mode.
      (0 0 0 0 # 0 # to disable and back to single door).
      Will beep 2 times to confirm the multiple-door operating mode is enabled.
   B. Enter 0 0 0 0 and ✱.
   C. Enter the new PIN and press ✱.
   D. Enter your PIN again and press ✱.
   E. Press the [SET] Button on the opener.
   F. Within 2 minutes, enter your PIN on the keypad and press #1.
   G. Now enter your PIN and # 1 to open/close the garage door.
   H. Repeat steps E to G to program additional doors:
      2nd door: PIN #2, ex. 1 2 3 4 #2
      3rd door: PIN #3, ex. 1 2 3 4 #3

E. Erasing all the Remote Controls from Opener

Note: To erase any unwanted remote controls, first erase all remotes.

1. Press the [Set] button for 15 seconds. When the LED display flashes “E”, release the [Set] button.
2. Press the [Set] button again to confirm all the programmed remotes have been erased.
3. The dot in the LED display stays on indicating that erasing the programmed remotes has been successful.



SAFETY TEST

Test Safety Reversal System

With the door fully open, place a 1 1/2” (3.8 cm) board (or 2x4 laid flat) on the floor, centred under the garage door. Close the door by pressing the button on the wall console. After making contact with the board, the door should stop then reverse to a fully open position.

If the door fails to reverse:

- If the door stops on the obstruction, re-adjust the down travel limit as it is not travelling far enough in the down direction.
- Repeat the test until the door reverses upon striking the obstruction.

Test Safety Beam Sensor System

To test the safety beam sensor system, open the door to the fully open position.

1. Place an obstacle (such as the opener carton) to break the safety infrared beam.
2. Press the push button to close the door.
3. The door should not move more than 1” (2.5 cm), and the opener light will flash. If this does not happen:
   - Ensure the safety beam sensors are aligned properly (refer to “Install Safety Beam Sensor System”).
   - Ensure the obstacle is breaking the beam by checking the receiving sensor's blue LED is off.
   - If everything fails, call for a trained door systems technician.

BACKUP BATTERY

WARNING

- Without a properly installed safety reversing sensor, persons (particularly small children) could be seriously injured or killed by a closing garage door.

Important Safety Instructions

WARNING

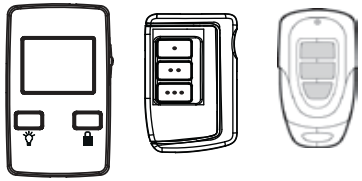
To reduce the risk of severe injury or death:

1. READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY.
2. NEVER let children operate or play with any garage door controls or remote controls. Always keep these controls away from children.
3. Always keep moving door in sight and away from people and objects until it is completely closed. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.
4. Only activate garage door when it can be seen clearly, is properly adjusted and there are no obstructions to door travel.
5. NEVER GO UNDER A STOPPED, PARTIALLY OPEN DOOR.
6. Test the door opener monthly. The garage door MUST reverse on contact with a 1/2" (4 cm) high object (2x4 laid flat) on the floor. Retest the door opener after adjusting the travel limits. Failure to adjust the opener properly may cause severe injury or death.
7. If possible, use the red emergency release only when the door is closed. Use caution when using this release with the door open. Weak or broken springs may allow the door to fall rapidly, causing severe injury or death.
8. Never use the emergency release rope to pull garage door open or closed. If the rope knot becomes untied, you could fall.
9. KEEP GARAGE DOORS PROPERLY BALANCED. (See 'Garage Door Opener Maintenance') An improperly balanced door could cause severe injury or death. Have a qualified service professional make repairs to cables, spring assembly and other hardware.
10. Disconnect the electrical power to the garage door opener before making any repairs or removing the housing cover.
11. This operator system is equipped with an unattended operation feature. The door could move unexpectedly. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.

SAVE THESE INSTRUCTIONS.

OPERATIONS - ATOMS™

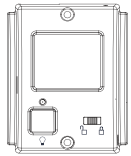
Operating the Door



Activate your opener with any of the following:

- Press the wall console
- Press the assigned button on the remote control

The opener will beep and flash light once to acknowledge receiving the operation.



Depends on the status of the garage door opener and the position of the garage door, the garage door opener behaves differently:

- If the door is closed, activating it will open the door.
- If the door is open, activating it will close the door.
- If the door is closing, activating it will stop the door.
- If the door is opening, activating it will stop the door.

If the door is obstructed during operation, the garage door opener will:

- If obstructed while opening, the door will stop.
- If obstructed while closing, the door will reverse.
- The opener light will flash if the opener is obstructed during operation.

Opener Light

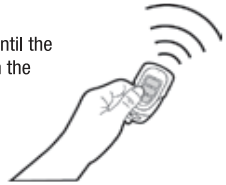
The opener light will turn on:

- When the opener is plugged in (light will be off automatically after 3 minutes)
- When the opener is activated (light will be off automatically after 3 minutes) The light button is pressed on the wall console

You can manually switch the light ON or OFF by pressing the Light Button on.

Remote Control

To activate the opener with the remote control, hold down the button until the door begins to move. When the button is pressed, the light indicator on the remote will flash. For remotes with multiple buttons, press the button programmed to the desired operation.

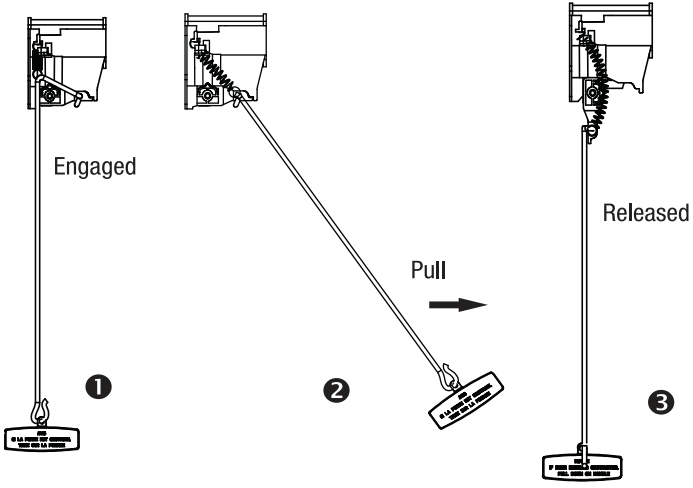


To Open the Door Manually

In case of a power failure or if the door becomes obstructed, pull the red trolley release handle to disengage the opener from the door.

Flip the trolley release level up and raise or lower the door to re-engage the opener.

Use caution if the door is open while disengaging the door may drop.



MAINTENANCE

Once a Month

Test the door balance. Manually operate door. If it is unbalanced or binding, call a trained door systems technician.

Check to be sure door opens and closes fully. Adjust limits and / or force if necessary.

Test the Safety Beam Sensor System and Safety Reversal Test.

Once Every Six Months

Check the Chain Tension. Turnbuckle should be slightly above the rail. Refers to page 12 to adjust the chain tension.

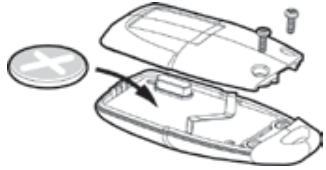
Once a Year

Oil the door rollers, bearings and hinges.

Battery Replacement

All remotes come with battery installed. To replace the battery, follow the instructions below.

It is time to change the battery when the red LED on the remote does not turn on when either button is pressed.



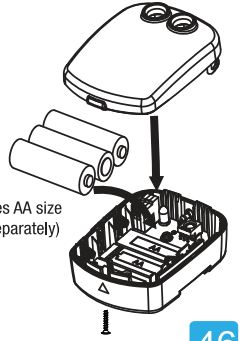
Lithium battery CR-2032 included.
(Positive side up)

To replace the battery:

1. Undo the two screws on the back of the remote. The bottom case will then come off.
2. Take out the old battery.
3. Place the new battery in position.
4. Close the cover and reinsert two screws.

To install or replace the battery in the Safety Beam Sensor, follow the instructions below.

It is time to change the battery when the LED on the safety beam sensor being flashed every 10 seconds. And the light in the Opener will flash when the door is started closing.



Batteries AA size
(sold separately)

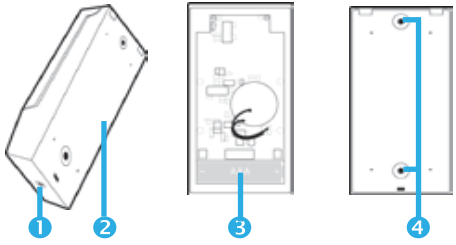
To replace the battery:

1. Undo the screw on the back of the sensor.
2. Take out the old batteries.
3. Place the new batteries in position.
4. Close the cover and reinsert the screws.

MAINTENANCE

Install Keypad and Battery

1. Undo the screw on the bottom side of the keypad.
2. Remove the back cover.
3. Install a AAA battery (1.5V Alkaline type).
4. Mount the back cover with the mounting accessories.
5. Attach the keypad on the back cover and tighten the screw on the bottom of the keypad.



WARNING

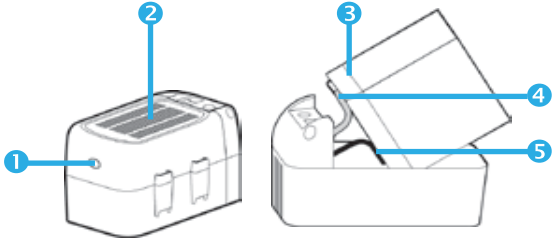
To prevent possible serious injury or death:

- Never allow small children near batteries.
- If battery is swallowed, immediately notify doctor.
- Dispose of old battery promptly and properly.

BACKUP BATTERY

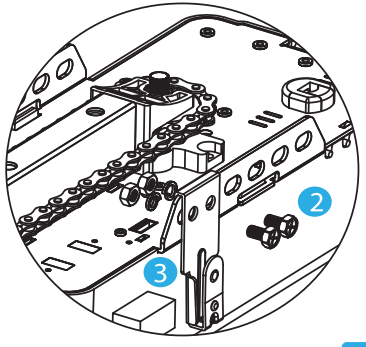
Backup Battery

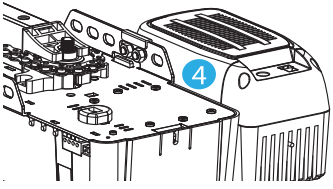
1. Press the latch inwards to release the cover.
2. Remove the cover.
3. Take out the battery and connect the wires to the battery terminal tabs, being careful to match the polarity.
4. Red wire connects to red terminal tab (+).
5. Black wire connects to the black terminal tab (-).
6. Place the battery back into the battery compartment.
7. Close the cover.



Install the Metal Hanger

1. Unplug the garage door opener from power before proceeding.
2. Use the screws and nuts to mount the metal hanger to the operator mounting plate.
3. Affix a cushion at the side of the hanger.
4. Install the backup battery unit to the metal hanger.





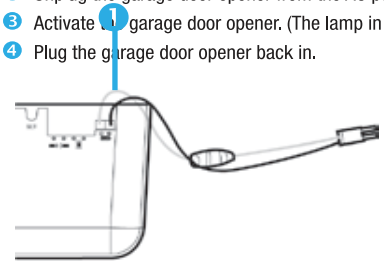
BACKUP BATTERY

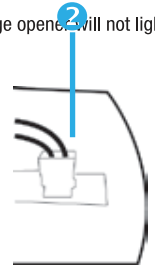
NOTE

- These steps must be performed in this exact order very carefully to prevent a short in the battery by accident.

Connecting the battery backup unit to the garage door opener unit

1. Connect the 2-wire harness to the garage door opener unit.
2. Insert the 2-wire harness to the battery backup unit.
    1. Turn on the battery backup switch.
    2. Unplug the garage door opener from the AC power.
    3. Activate the garage door opener. (The lamp in the garage opener will not light up.)
    4. Plug the garage door opener back in.





NOTE

- The battery backup must be fully charged for 24 hours before testing or operation.

Battery Status

Turn on the backup battery switch, and connect the backup battery with the GDO correctly.

LIGHT STATUS	BACKUP BATTERY STATUS	ACTION
Red LED flashing slowly.	Ready to use. Not being charged by the GDO.	Secure the connection between the backup battery and the GDO. Plug the GDO to an AC outlet.
Red LED staying on.	Weak . Not being charged by the GDO.	Secure the connection between the backup battery and the GDO. Plug the GDO to an AC outlet.
Blue LED flashing slowly.	Being charged by the GDO.	Keep charging.
Blue LED staying on.	Fully charged.	Ready to use.
Blue LED flashing quickly and white LED flashing slowly.	Switch is off or the battery is not connected or ageing.	Turn on the backup battery switch. Check the connection between the battery and its compartment. Replace the backup battery.
White LED staying ON.	Garage door opener is activated with power supply of the backup battery.	The white LED will be delayed off after GDO is no longer activated.

Charging the Battery

- The battery unit will take 24 hours to fully charge. A fully-charged battery provides 24 V DC to the garage door opener for 1 to 2 days of normal operation during AC power outages. When the battery level drops too low, the battery unit will no longer operate.
- Plug the AC adaptor (provided) into an AC outlet, then plug the output jack to the battery backup unit to charge it. Refer to the lights indication section above to check the battery status. The battery life is about 1 to 2 years for normal usage.
- To obtain maximum battery life and prevent any damage, turn off the battery backup unit when the garage door opener is unplugged for a long period of time.

NOTE

- Door operation may be limited if the battery is not fully charged, or the Backup Battery light may not turn on during battery operation.

LED LIGHT FLASHING	LED DISPLAY FLASHING	SYMPTOM	SOLUTION
3 Flashes		The wall console is in lock mode. The remote controls are deactivated.	• Unlock the wall console.
6 Flashes		Obstruction detected.	• Check if something obstructing the door. • Re-adjust the travel limits. • Re-adjust the opening and closing force.
10 Flashes		Safety beam sensor blocked.	• Check if the safety beam sensor is misaligned. • Check if any obstacle is interfering with the beam path.
15 Flashes		The door is not fully open or fully closed.	• Check if something is obstructing the door. • Re-adjust the travel limits. • Re-adjust the opening and closing force.
Continuous Flashing		Wall console wire shorted.	• Check the wall console wires for a short.

Opener does not operate from either wall console or remote.	• Check the opener's AC outlet has power. Plug a lamp into the outlet to check. If it does not turn on, check fuse box or circuit breaker. • Check the wall console wiring at the wall console's and opener's terminals, and be sure the remote is programmed into the opener.
Opener tries to operate, but the door does not move.	• A door spring may have been broken. Visually inspect the door hardware for any broken springs. Have a qualified garage door service professional repair the door if any door hardware is broken. • In cold weather climates, check that the door is not frozen to the ground or that snow build-up is not blocking the door.
Opener operates from remote but not from wall console.	• Ensure the wiring connections are correct. • Is the wall console lit? If not, disconnect low voltage wires to wall button and momentarily touch them together. If opener runs, replace wall button. If not, check wiring connections at opener and check wire for shorts or breaks under wire holder.
Opener operates from wall console but not remote.	• Is the wall console in lock mode? • Does remote indicator light glow when remote button is pressed? If not, replace the battery. • Has the opener learned the code of the remote? Repeat remote programming steps on pages 40.
Door does not open completely.	• Is something obstructing the door? Remove obstructions after ensuring the door area is free of persons and any other objects. • If door has been working properly but now doesn't open all the way, reset the travel limit adjustment. Be sure to run a complete opening and closing cycles to reset the force adjustment as well. Follow instructions on page 38.
Door does not close completely.	• Is something obstructing the safety beam sensor? Ensure the receiving beam sensor's LED is on.

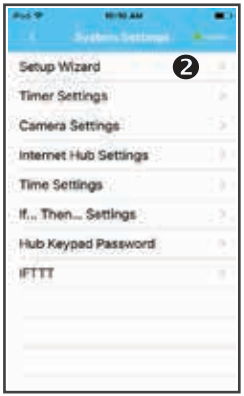
TROUBLESHOOTING

Opener light stays on.	• It is normal for the opener's light to stay on for about 3 minutes after each activation. • If the opener's light was turned on by the light button on the wall console, it will stay on until the light button is pressed again to turn the light off.
Opener activates by itself.	• Check all remotes programmed into the opener. Check for items pressing on any remote's button. • If a remote has been stolen, erase the opener's memory (refer to page 41) to prevent the lost remote from activating the opener. Reprogram the remaining remotes into the opener (refer to page 40). Check the wiring between the wall console and the opener. Look for any wire holder that has cut into the wire's insulation, or wire that has been pinched by another object. Replace any bad wiring. • Examine the wiring at the opener's terminals and at the wall console's terminals. Look for any wire strands that are close to or touching adjacent terminals.
Door reverses for no apparent reason.	• The door hardware may be binding causing the close door force setting to be exceeded. Disengage the trolley and manually check the door movement and balance. Lubricate the door hardware as recommended by the garage door manufacturer. • Re-adjust the travel limits and force adjustments to ensure the automatic force adjustment are set properly. • Ensure the safety beam sensor is securely fastened and no sunlight is shining directly onto the receiving sensor.
Opener is noisy	• Adjust the chain tension (refer to page 12). • Lubricate the door hardware as recommended by the garage door manufacturer.
Opener won't work due to power failure.	• Use the emergency release handle to disconnect the opener from the door. The door can be opened or closed manually until power is restored.

PROGRAMMING TO THE INTERNET HUB *

* - Not application for ANR serie

❶ Open SkylinkNet App and tap on “System Settings”.



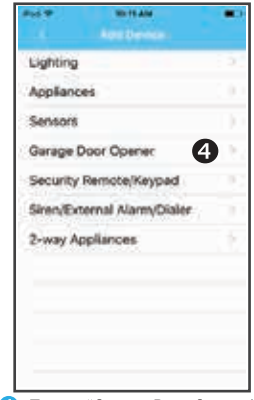
❷ Tap on “Set-up Wizard”.

❺ Name your garage door opener and location and tap on “Continue”.

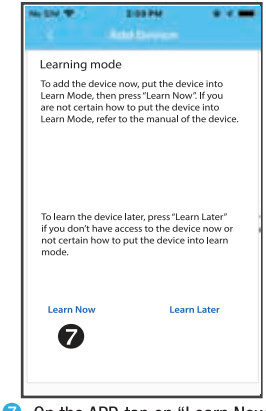
LEARN WIRELESS CONTROL

❻ Press the [Set] button for one second. The LED display will show the letter “P”.

❸ Tap on “Add Device”.



❹ Tap on “Garage Door Opener”.



❼ On the APP, tap on “Learn Now”.

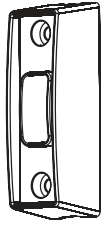
❽ Tap on GDO icon to open/close the door. The icon shows the status of the door.

ACCESSORIES

Model MK-318-1
1-Button Remote

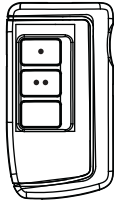
Model MK-318-2
2-Button Remote

Model MK-318-3
3-Button Remote

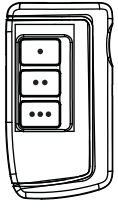


Model PB-001
Push Button

Model MM-318-1
1-Button Remote

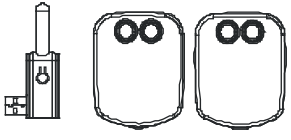


Model MM-318-2
2-Button Remote



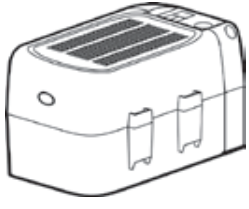
Model MM-318
3-Button Remote

Model WB-360/WB-660
Wall Console



Model SB-900
Wireless Safety
Beam Sensor Kit

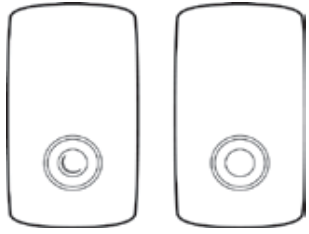
Model KN-318
Keyless Entry System



Model BA-100
Backup Battery

ACCESSORIES

Model WB-330
Wall Console



Model ID-001
Safety Beam Sensor

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 interferene 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.

Tested To Comply
With FCC Standards

LIMITED WARRANTY

Skylink Group (the Company) warrants to the original purchaser that products delivered hereunder will be free of defects in material and workmanship for the period listed below from the date of purchase.

Electronics & Mechanical: 1 Year

Motor: Refer to the sales agreement

The Company within said period shall at its option, either repair or replace free of charge, any product or part thereof found, upon the Company's inspection, to be so defective, and will return the repaired or replaced product to the purchaser at Company's expense.

For warranty service and shipping instructions contact 1-800-304-1187. Devices must be sent to the Company at owner's expense and be accompanied with statement of defect and proof of purchase.

This warranty is conditioned on the following:

1. The Company must be notified within the period of the warranty from the date of purchase and have been given the opportunity of inspection by return of any alleged defective product free and clear of all liens and encumbrances to the Company or its distributor; and
2. The product must not have been abused, misused or improperly maintained and/or repaired during such period; and
3. Such defect has not been caused by corrosion or exposure to other than ordinary wear and tear.

THE COMPANY MAKES NO OTHER WARRANTY OR REPRESENTATION OF ANY KIND WHATSOEVER EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED.

The Company's maximum liability hereunder is limited to the purchased price of the product. In no event shall the Company be liable for any consequential, indirect, incidental or special damages of any nature arising from the sale or use of the product, whether based in contract, tort, strict liability or otherwise.

Some states do not allow limitations on incidental or consequential damages or how long an implied warranty lasts so that the above limitations may not fully apply. This warranty gives specific legal rights and you may also have other rights which may vary from state to state.

CUSTOMER SERVICE

MONDAY-FRIDAY
9:00 AM - 5:00 PM EST
1-800-304-1187
support@skylinkhome.com
SKYLINKHOME.COM