



Auto Openers Overhead Motor

Installation Manual &
Home Owners Guide



Video Guide On
 **YouTube**

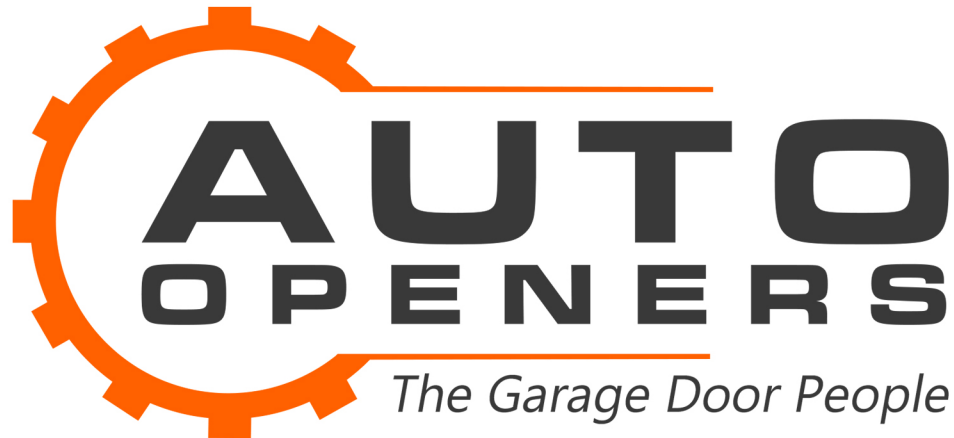


This manual contains important safety information. Do not proceed with installation until reading the instructions thoroughly.

Installer: Ensure manual is included with handover for home owner

 **10 YEAR
WARRANTY**

www.autoopeners.com.au



Warranty Registration

To validate your 5 or 10 Year Warranty you must complete the registration form online at:

autoopeners.com.au/warranty-registration

This automatic garage door opener is designed and tested to offer safe service, provided it is installed and operated in strict accordance with the following safety warnings. Failure to comply with the following instructions may result in death, serious personal injury or property damage.



WARNING!

- The door may operate unexpectedly, therefore do not allow anything to stay in the path of the door
- When operating the manual release while the door is open, the door may fall rapidly due to weak or broken springs, or due to being improperly balanced.
- The Auto Openers Sectional Opener must not be used with a door incorporating a wicket door, unless the Auto Openers Sectional Opener cannot be operated with the wicket door open
- The Auto Openers AOSO is intended to be installed on a residential sectional or panel door.
- Do not disengage the Auto Openers Sectional Opener to operate manually with children/persons or any objects including motor vehicles within the doorway
- If the door is closing and is unable to re-open when obstructed, discontinue use. Do not use a door with faulty obstruction sensing.
- When using auto close mode, a Photo Electric beam must be fitted correctly and tested for operation at regular intervals. Extreme caution is recommended when using auto close mode. All safety rules must be followed.



ELECTROCUTION!

- Install the Auto Openers Sectional Opener in protected area so that it does not get wet.
- Do not spray with water
- Disconnect the power cord from mains power before making any repairs or removing covers. Only experienced service personnel should remove covers from the opener.
- If the power supply cord is damaged, it must be replaced by an Accredited Auto Openers Service Agent or suitably qualified person.
- Connect the Auto Openers Sectional Opener to a properly earthed, general purpose 240V mains power outlet installed by a qualified electrical contractor.



CAUTION:

Emergency Access

- If garage has no pedestrian entrance door, an emergency access device should be installed. This accessory allows manual operation of the garage door from outside in case of power failure, which can occur during bushfires, floods or other disasters.

Muscular strain

- Practice correct lifting techniques (carton weighs approx 9kgs)
- Practice correct lifting techniques when required to lift the door as per the installation instructions

Fall from ladder

- Ensure ladder is the correct type for job
- Ensure ladder is on flat firm ground that will take the weight without the legs sinking
- Ensure user has 3 points of contact while on ladder

Crush injury from unsecured door

- Place a 2 metre exclusion zone around the area under the door while it is unsecured
- Do not move under a door while it is on the door support (or ladder)
- Follow the installation instructions

Garage Door

- Fit door support (or ladder) snugly under door before removing bracket
- Ensure door support (or ladder) is on flat ground
- Examine the door installation, in particular, springs and mountings for signs of wear, damage and imbalance
- The garage door must be well balanced. Sticking or binding doors must be repaired by a Auto Openers Accredited Dealer or other qualified tradesperson prior to installation of the opener
- Remove or disengage all garage door locks and mechanisms prior to installation of the opener.
- Never plug in and operate opener prior to installation
- Keep hands and loose clothing clear of door and guides at all times.
- DO NOT operate the opener unless the garage door is in full view and free from objects such as cars and children/people. Make sure that the door has finished moving before entering or leaving the garage.

Entanglement

- In order for the opener to sense an object obstructing the doorway, some force must be exerted on the object. As a result the object, door and/or person may suffer minor damage or injury.

Entrapment under operating door

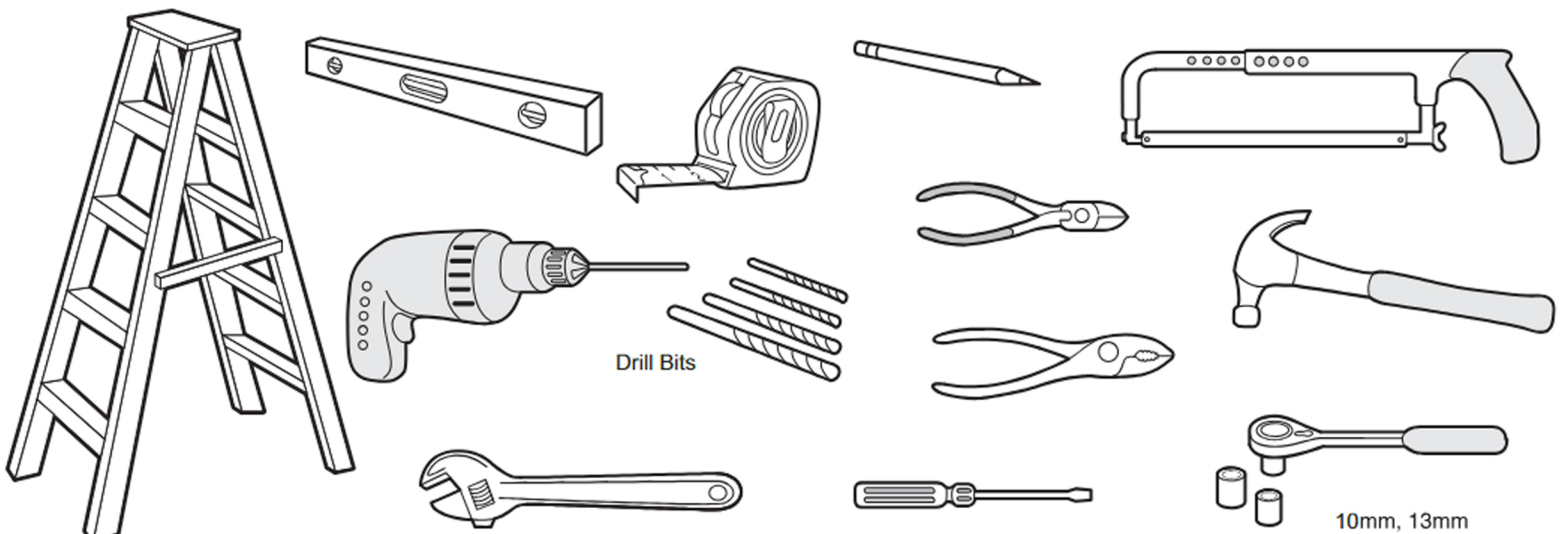
- Ensure the garage door is in good working order by undertaking regular servicing
- Install the optional wall transmitter in a location where the garage door is visible, but out of the reach of children at a height of at least 1.5m
- Photo Electric beams must be installed if the closing force at the bottom edge of the door exceeds 400N (40kg)

Kit Contents



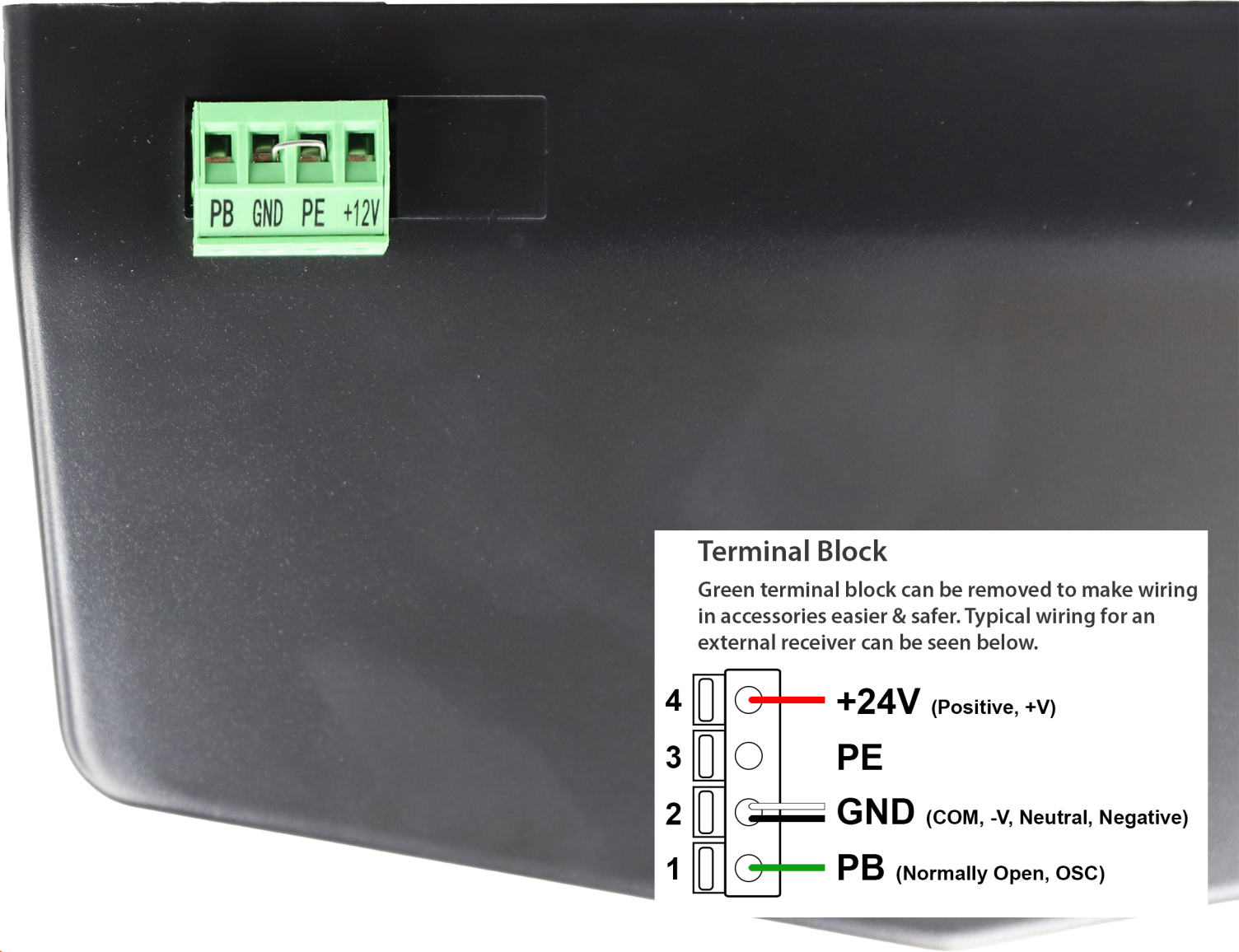
1. Garage Door Opener Powerhead
2. 3x AOTXv2 Keyring Remote Controls
3. AOVC Remote Control Holder
4. Rail Trolley
5. Hockey Stick (Door Connector)
6. Segmented or 1 Piece Rail

Tools Required



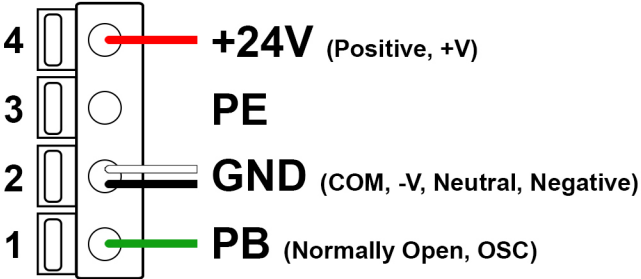
Control Panel & Terminal Block

Control Panel Button	Button Function
SET	Push and hold to cycle through menu options Used to confirm selections during setup
CODE	Used to program or delete remote controls
UP	Primarily used to set upper Door Limits Also used in selection of menu options
DOWN	Primarily used to set bottom Door Limits Also used in selection of menu options



Terminal Block

Green terminal block can be removed to make wiring in accessories easier & safer. Typical wiring for an external receiver can be seen below.



1. Testing Your Door

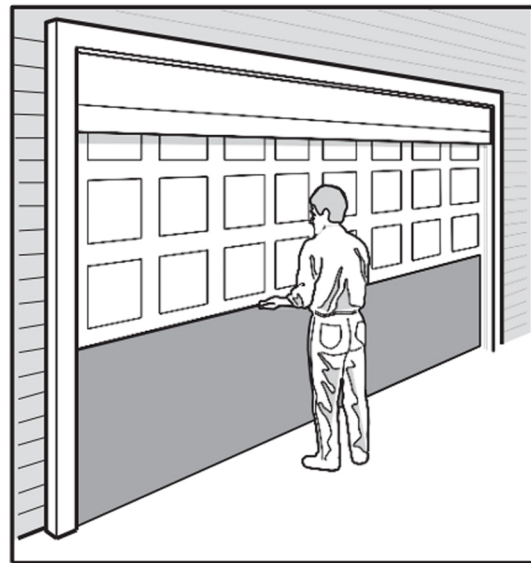
Before starting the installation process, complete the following test to ensure your door is well balanced and is not sticking or binding when in motion.

Lift the door about halfway. Release the door. If balanced, it should stay in place, supported entirely by its springs.

Lift the door to halfway, then release it. The door should remain spring balanced.

Raise and lower the door to determine if there are any sticking / binding points. The absolute maximum allowable to raise or lower the door in any position is 20 kgs.

If your door does not hold in place or you find sticking / binding points, call an Auto Openers Accredited Dealer before installing the opener.



2. Assemble the Rail (If required)

Your opener will include either a 1, 2 or three piece rail.

Identify all parts by laying out the rail sections, brackets, screws and additional components.

Slide the provided rail sections together, ensuring they align correctly. Ensure they are pushed together correctly, the long pieces will meet in the middle of the joiners.



3. Trolley and Belt Assembly

With the rail assembled, remove the black end piece of the rail and insert the trolley into the rail. Ensure the trolley lever is pointing up when inserting.

Holding into the other end of the belt with the spring and screw, pull the belt to the other end of the rail. Remove the bolt and spring, then poke the screw through the hole at the end of the rail. Reattach the spring and the nut.

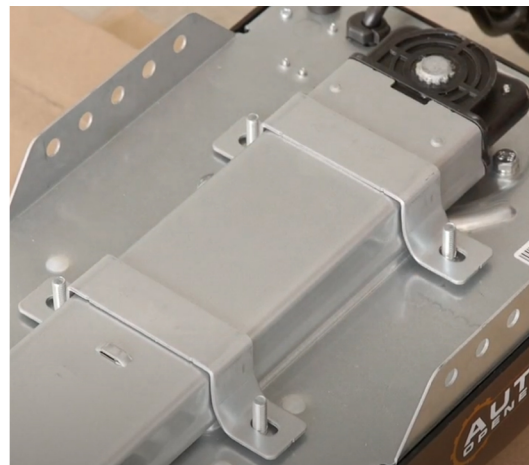
Tighten the nut with a 13mm socket or shifter, until the belt is firm. Refer to the installation video (2:00) for the correct firmness of the belt. If over tensioned, the belt rail will slip which can cause damage to the belt teeth.



Inserting the bolt through the end of the rail

4. Attaching the Rail to the Powerhead

Attach the rail to the powerhead by lining up the hole in the rail, to the shaft in the opener. Next, use the brackets and the included 4x 10mm nuts to secure the rail to the powerhead.

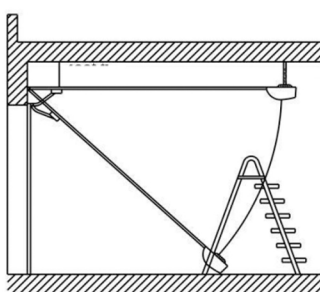
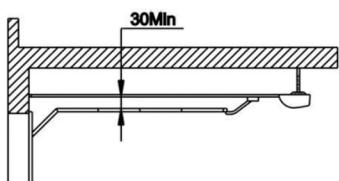


4. Header Bracket Positioning and Installation

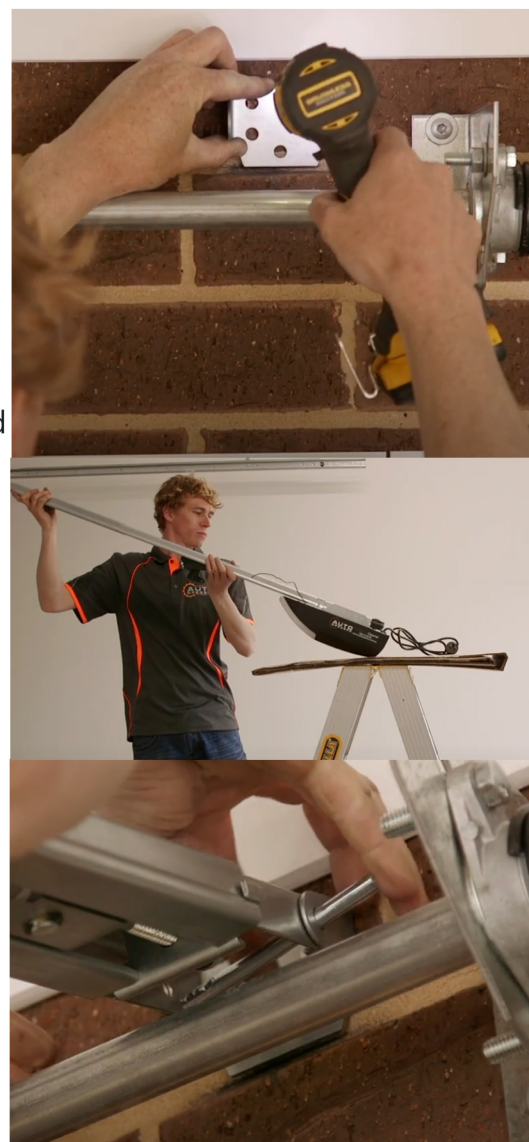
To determine the front motor mount position, use a level to mark the highest point of travel and another mark in line with the centre of the door. Use appropriate fixings such as timber or metal screws to fix the motor mount to the wall.

Please note, when fixing to plaster wall, ensure that you are fixing the bracket into noggins, or wood behind the plaster and not just plaster.

The motor mount must be centered, no lower than your marked line and no higher than 100mm above your marked line. You want to create a gap no smaller than 30mm from the top panel's maximum height



Next, position a ladder and put on top something to protect the motor. You can use a blanket, towel or cardboard. You can now attach the rail to the motor mount, using the included pin. Be sure to lock this into place with the included pin lock.



4. Mounting the Powerhead

Raise the motor and either get someone to lift open the door for you, or place the motor on a prop and then open the door. Be sure to place some cardboard or a blanket down on the door before resting the rail on the panel to prevent damage.

Ensure the rail is centered with the door and ensure you have a gap no less than 30mm when fixing to the ceiling. You must ensure you have noggins or sufficient fixings if you have a plastered ceiling before installation.

Mark and cut the supplied ceiling brackets to an appropriate length. You want the rail to be as level as possible. Then, attach and secure the ceiling brackets to each side of the opener using the included fixings.

You can then mount the powerhead to the ceiling, again ensuring that you are fixing the powerhead to a noggin or sufficient mounting.



4. Attaching the Motor Bracket

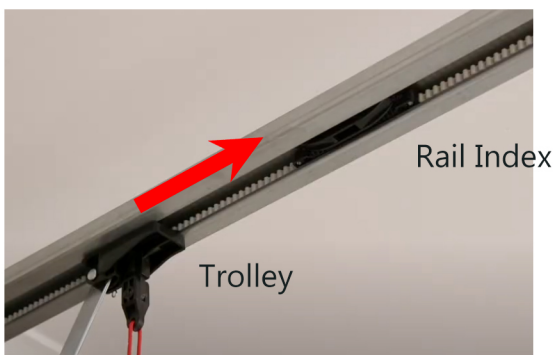
In the middle of the top panel, mount the motor bracket 1/3 of the way down using appropriate metal screws.

Now, attach the bent door arm to the motor bracket using supplied pins. The door arm looks a little like a hockey stick.

You can now attach the straight door arm to the trolley using the supplied pins.

Next, bring the two arms together and join using the supplied nuts and bolts, then tighten the motor arm.

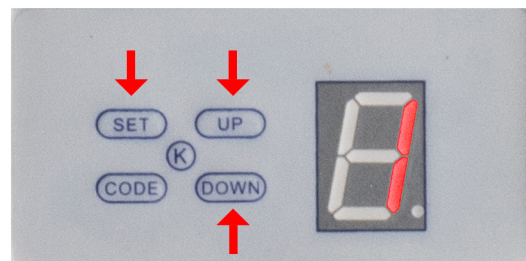
Now, engage the opener by pulling the manual release away from the opener, then pull the trolley into the rail index. Please see below.



8. Setting The Door Limits

Before starting this process, make sure your opener is engaged, turned on and the door is in closed position. Keep the opening clear during the entire process.

- Disengage the opener and open the door until it hits the upper door stop.
- Lower the door until it touches the ground. Re-engage the opener.
- Press and hold the 'SET' button until the display shows "1" (as shown) then release.
- Using the "UP" and "DOWN" buttons, bring the opener to the upper door limit. You can fine tune the position by tapping the buttons to 'inch' the door position. Press "SET" to confirm. The display now shows "2".
- Again, using the "UP" and "DOWN" buttons, bring the opener to the lower door limit. Press SET to confirm.
- The opener will now automatically open and close to test the force required. Do not touch the opener during this process.



Motor Button Panel Layout

TIP: For smooth operation, set the door 20mm from the top and just touching the bottom. For safety, you will be unable to program remote controls into your opener until you have set the door limits.

9. Remote Controls Programming & Deletion

To program a remote control into your opener:

- Press and hold the "CODE" button until the Coding LED illuminates, then let go (Circular Coding LED shown in the image)
- Press and hold a button on your remote control for two second, then let go. The Coding LED will extinguish.
- Press and hold the same button on your remote control. The Coding LED will begin to flash and the opener will beep, signifying your remote control has been successfully programmed in.
- Test the operation of your remote control!



Coding LED For Programming Remotes

To delete all remote controls from your opener:

- Press and hold the "CODE" button. The Coding LED will flash 8 times, then "C" will appear on the display and the opener will beep.
- Test to ensure your remote control no longer operates the opener.



Remote Deletion Confirmation

9. Safety Testing

The Safety Obstruction Force is calculated automatically during setup, however, for safety you are required to test the Obstruction Detection.

- Place a piece of timber or similarly hard object (approx 40mm high) on the floor directly under the door
- Active the opener using either your remote control or the "K" button. The opener should strike the object and reopen.

If the door is closing and unable to re-open when obstructed, discontinue use immediately and contact Auto Openers immediately on 1300 42 88 66. Do not use a door with faulty obstruction sensing.

10. Adjusting the Safety Obstruction Force

- Press and hold "SET" until the LED displays "3", then release.
- Using the "UP" and "DOWN" buttons, you can adjust the Force setting. The lowest setting is 1 and the maximum is 9. By default, the opener is set to 3.
- To save your chosen setting, press "SET".

11. Motor Settings

Menu Option	Overview & Explanation
Door Limits Setting "1" Press and hold "SET"	Allows the user to set Door Limits, which tells the opener how high and how low the operate is allowed to drive
Force Safety Obstruction Setting "3" Press and hold "SET"	Allows the user to adjust the Force Safety Obstruction setting, which adjusts how sensitive the opener is to obstructions
PE Beam Activation Setting "11" Press and hold "DOWN"	Allows user to enable PE Beams. On setting 11, press "UP" for "H", then "SET" to confirm. To turn off, return to "11" and press "SET"
Auto Close Setting "-" Press and hold "UP"	Allows the user to turn on & adjust timing for auto close. To turn off, adjust to "0". Max time is 9. PE Beams required.

12. Common Troubleshooting

Symptom	Possible cause	Remedy
One remote control works but the other/s do not	Faulty remote control Faulty battery Remote/s may need to be programmed in	Replace remote control Replace battery Program remote/s
The opener is running but the door remains stationary	The opener is disengaged	Re-engage the opener using the manual pull handle. Push up to re-engage.
The opener only operates a few inches at a time	The opener has not had door limits set A brownout has caused the opener to forget it's limits	Reset the door limits
The opener fails to reverse when obstructed	Force setting is too high	Lower the Force Setting and test safety reverse again If problems persist call 1300 42 88 66
The opener stops when opening	Force setting is too low	Raise the Force Setting and test door opening / safety reverse If problems persist call 1300 42 88 66
The opener closes by itself	Auto Close is turn on	Turn off the Auto Close (11. Motor Settings)
The opener refuses to close	PE Beam setting is turned on	Disable PE Beams on opener (11. Motor Settings)

13. Limited Warranty Conditions

Auto Openers Garage Door Opener

We are committed to manufacturing and supplying high quality goods. As part of this commitment, we seek to provide reliable service and support for our doors and are please to provide you with this Limited Warranty.

The benefits given to you under this Limited Warranty are in addition to any rights and remedies that you may have under Australian or New Zealand consumer protection laws. Our goods come with guarantees that cannot be excluded under the Australia Consumer law or New Zealand Consumer Guarantees Act 1993. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of an acceptable quality and the failure does not amount to a major failure.

What Is Covered and for How Long?

Auto Openers warrants to the original purchaser of the Auto Openers Garage Motor (Unit) that all parts of the unit, other than remote control transmitters, battery backup units, accessories, LED modules and batteries, are free from defects in materials and workmanship for a period of 60 months from the date of purchase where installed by a home owner (not an Auto Openers Accredited Dealer). When installed by an Auto Openers Accredited Dealer, this unit is warranted for a period of 120 months (10 years). This unit must be installed in a residential premise with a residential specified garage door that is designed for the sole purpose of a single family dwelling.

Auto Openers warrants that the remote controls (AOTX) included with the unit are free from defects in materials and workmanship for a period of 24 months from the date of purchase and all other accessories included with the unit are free from defects and materials for a period of 12 months.

What Is Not Covered?

Batteries and LED light modules are not covered
Travel costs incurred by a Auto Openers Accredited Dealer or the Professional Dealer in either travelling to or from the installation site. These costs will be at the purchasers expense.
Additional costs incurred by a Auto Openers Accredited Dealer or the Professional Dealer in obtaining access where the unit is not readily accessible. These costs will be at the purchasers expense.

Warranty Conditions

It is a condition of this Auto Openers Limited Warranty that the unit is sold and serviced by an Auto Openers Accredited Dealer. An opener sold by a non-Accredited Dealer is not covered under this Limited Warranty.

If the motor is installed by any person other than an Auto Openers Accredited Dealer, a 5 year warranty will apply, subject to warranty conditions.

If installed by an Auto Openers Accredited Dealer, a 10 year warranty will apply subject to warranty conditions.

It is also a condition of this Limited Warranty that for the operating life of the Unit:

- (a) The garage door is spring balanced, is operable by hand and opens and closes with no more than a maximum of 20kg's of lifting weight;
- (b) The garage door and opener is professionally maintained and serviced by an Auto Openers Accredited Dealer within 12 months of installation, then every 12 months thereafter such that the spring balanced door operates to manufacturer specifications. If your door binds, sticks, or is out of balance, then it must not be used until serviced by a Auto Openers Accredited Dealer. The garage door service fee will be at the purchaser's expense.
- (c) The warranty is registered by completing the online form found at <http://autoopeners.com.au/warranty-registration>
- (d) You retain your sales docket or invoice as proof of purchase.

Exclusions - What Voids the Warranty

This warranty does not cover the following:

- (a) Blown fuses, electrical surges, power surges or power spikes or faulty or unsuitable electrical wiring or structures to which the Unit is affixed;
- (b) Maximum operating time exceeding 1 minute in 10 minutes;
- (c) The manual operating (opening and closing) force of the door by hand exceeding 20kg;
- (d) Door weight exceeding the recommended weight for the Unit;
- (e) The door used with the Unit not being in safe working order or condition; or
- (f) Radio or electrical interference or lack of availability of signal.
- (g) Accidental, deliberate or negligent damage, including impact
- (h) Faulty installation by third party,
- (i) Lack of proper maintenance, service or care of the Unit or servicing by a person not appropriately qualified to do so;
- (j) PCB board failure when failure is determined by Auto Openers to not be a manufacturing fault (power spike, brownout, water damage etc)
- (k) Water damage through direct or indirect exposure, including condensation.

Making A Claim

The following steps must be follow to make a claim under this warranty. To be entitled to claim under this warranty, the defect in the product must appear with the time frame stated in "Warranty Conditions".

- (a) Contact the Auto Openers Dealership from whom you purchased the product to make your claim. If purchased direct from Auto Openers, please call Auto Openers on 130 42 88 66.
- (b) If you are unsure from whom you made your purchase, please call Auto Openers and we will forward it to the Auto Openers Dealership.
- (c) You will need to provide proof of purchase, the opener model name, the date of installation, the name of the dealership purchased from as well as evidence of ongoing preventative maintenance as laid out in this warranty.
- (d) Following a claim made in accordance with this warranty, if Auto Openers confirms that the product failure is covered by this warranty, Auto Openers or an Auto Openers representative will replace the product at no cost to you.

Auto Openers Contact Details

Phone: 1300 42 88 66

Email: sales@autoopeners.com.au

website: www.autoopeners.com.au

