



Auto Openers Overhead Motor

Installation Manual &
Home Owners Guide



Video Guide On
 YouTube

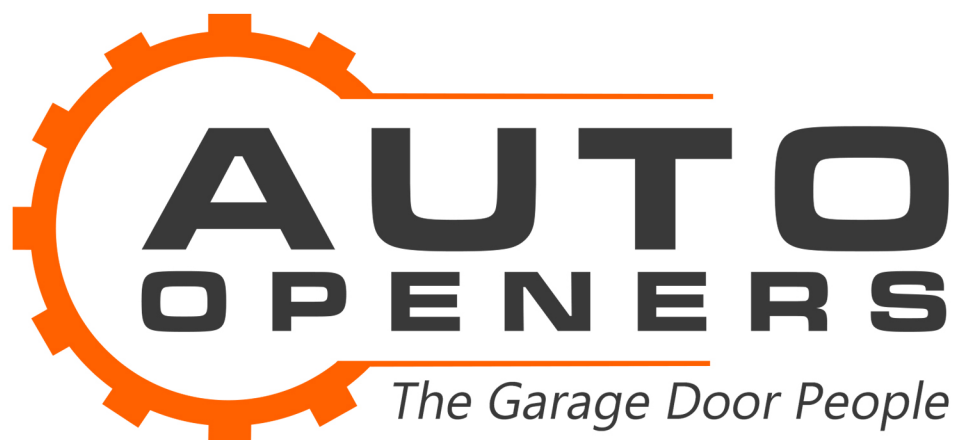


This manual contains important safety information. Do not proceed with installation until reading the instructions thoroughly.

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

Entanglement

- 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.

Entrapment under operating door

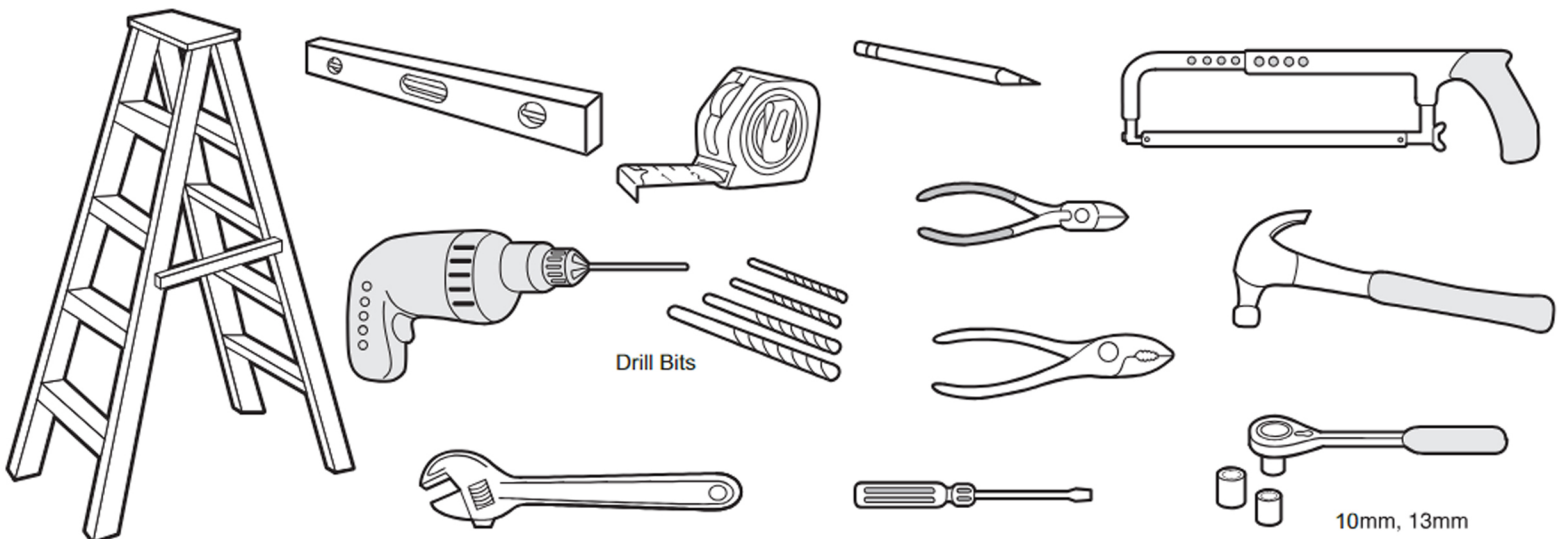
- DO NOT operate the opener unless the garage door is in full view and free from objects such as cars and children/people. Make sure that the door has finished moving before entering or leaving the garage.
- In order for the opener to sense an object obstructing the doorway, some force must be exerted on the object. As a result the object, door and/or person may suffer minor damage or injury.
- 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



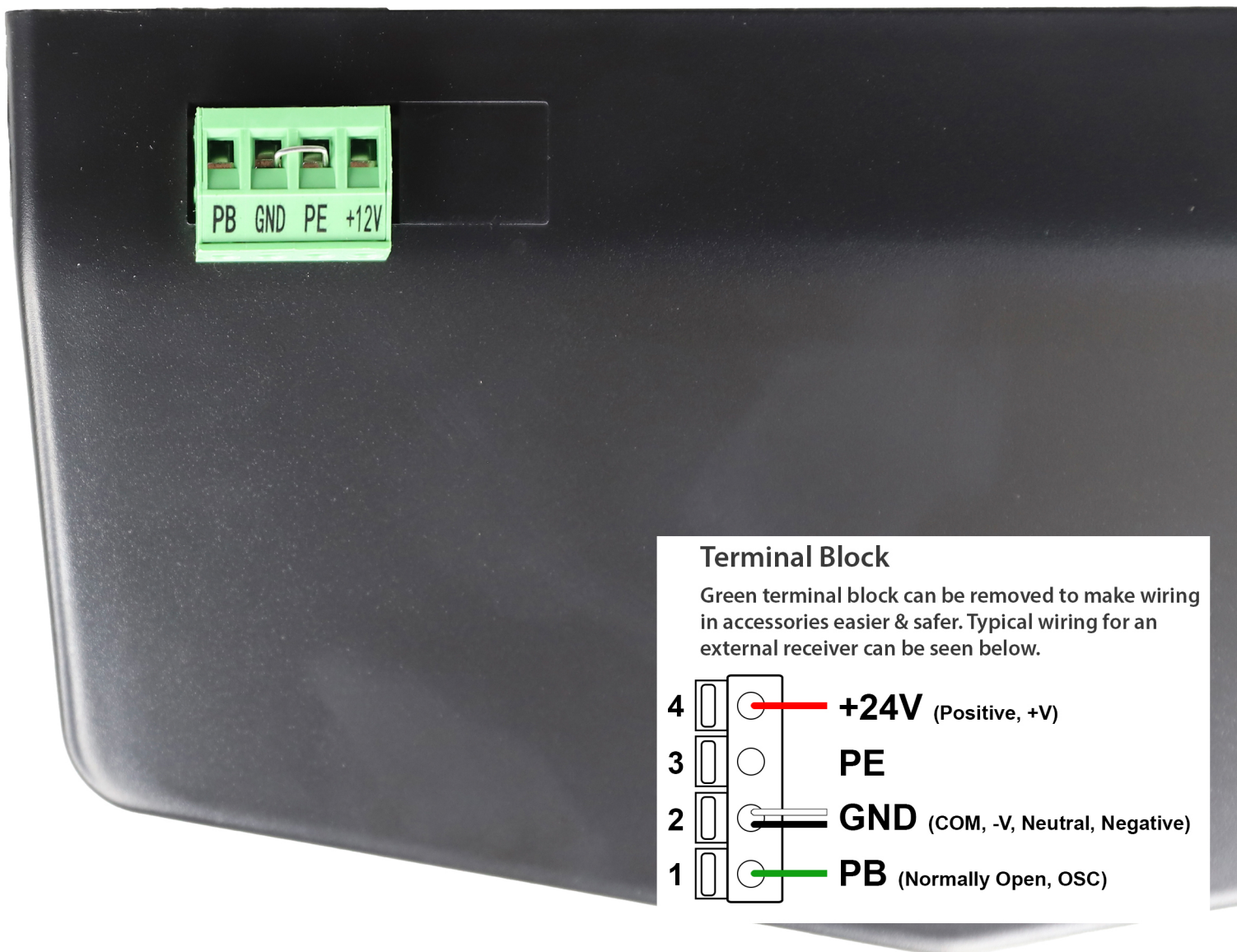
1. Garage Door Opener Powerhead
2. 3x AOTXv2 Keyring Remote Controls
3. AOVC Remote Control Holder
4. Rail Trolley
5. Hockey Stick (Door Connector)
6. Segmented or 1 Piece Rail

Tools Required



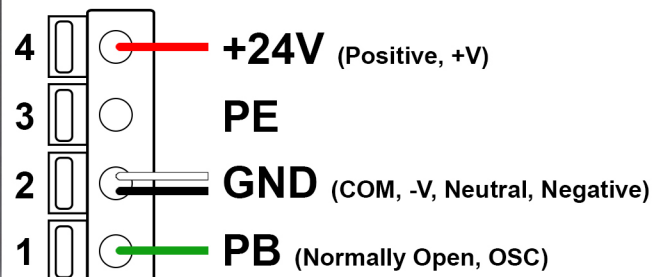
Control Panel & Terminal Block

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

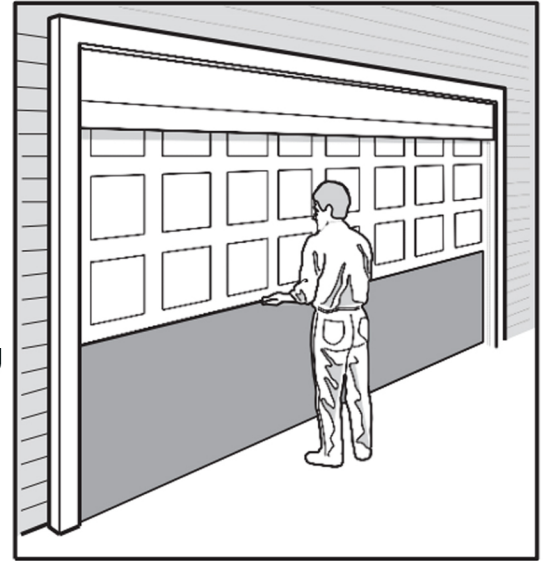
Before starting the installation process, complete the following test to ensure your door is well balanced and is not sticking or binding when in motion.

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.

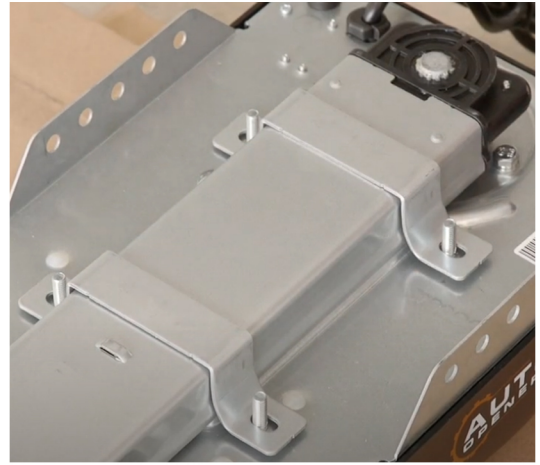
Tighten the nut with a 13mm socket or shifter, until the belt is firm. Refer to the installation video (2:00) for the correct firmness of the belt. If over tensioned, the belt rail will slip which can cause damage to the belt teeth.



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.

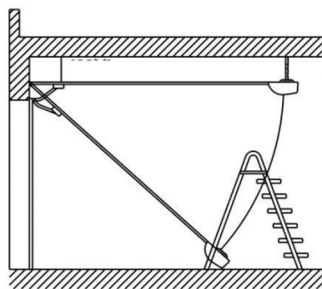
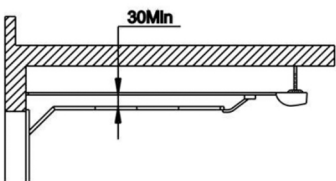


4. Header Bracket Positioning and Installation

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

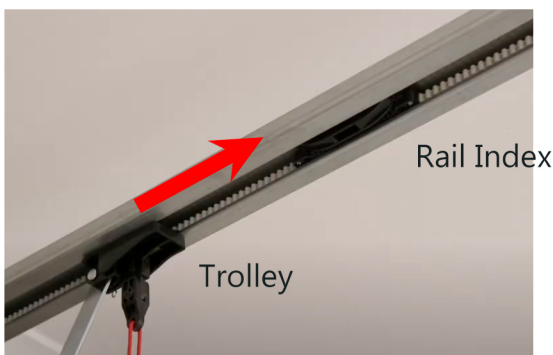
In the middle of the top panel, mount the motor bracket 1/3 of the way down using appropriate metal screws.

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.

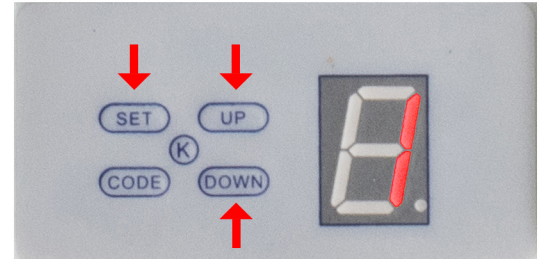
Now, engage the opener by pulling the manual release away from the opener, then pull the trolley into the rail index. Please see below.



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.



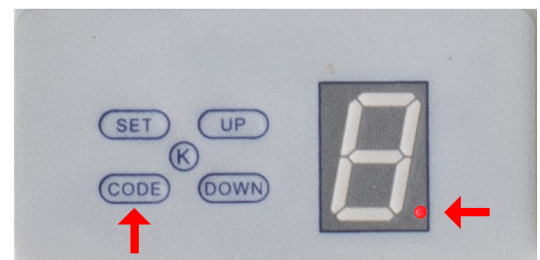
Motor Button Panel Layout

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:

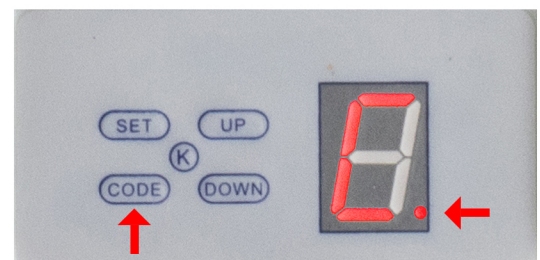
- Press and hold the "CODE" button until the Coding LED illuminates, then let go (Circular Coding LED shown in the image)
- Press and hold a button on your remote control for two second, then let go. The Coding LED will extinguish.
- Press and hold the same button on your remote control. The Coding LED 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

We are committed to manufacturing and supplying high quality products. As part of this commitment, we provide reliable service and support through this Limited Warranty. The benefits provided under this Limited Warranty are in addition to your rights under Australian and New Zealand consumer law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law and the New Zealand Consumer Guarantees Act 1993.

What Is Covered and for How Long?

Auto Openers warrants to the original purchaser that the garage door opener is free from defects in materials and workmanship under normal residential use. A base warranty of 2 years (24 months) applies from the date of purchase.

For installations by a homeowner or non-accredited installer, the warranty may be extended to 5 years (60 months) if the product is registered within 60 days of installation. For installations completed by an Auto Openers Accredited Dealer, the warranty may be extended to 10 years (120 months) if the product is registered within 60 days of installation.

Failure to register within 60 days of installation will limit warranty coverage to the base 2 year period. This warranty applies only to residential installations on garage doors designed for use in a single family dwelling.

Remote controls are covered by a 2 year (24 month) warranty. Accessories are covered by a 1 year (12 month) warranty.

What Is Not Covered?

Batteries and LED light modules are not covered.

Travel costs for service attendance are not covered and remain the responsibility of the purchaser. Costs associated with accessing the opener where it is not readily accessible are not covered. Damage caused by misuse, neglect, improper installation, impact, water exposure, corrosion or external factors is not covered.

Warranty Conditions

This warranty applies only where the product is installed and used in accordance with the manufacturer's instructions. Regular servicing is a condition of this warranty. The opener must be serviced 12 months after installation and at least every 2 years thereafter.

Proof of servicing must be provided upon request. Servicing must be carried out by a qualified garage door installer. Self-servicing is not acceptable. Failure to comply with servicing requirements or provide proof of servicing may result in the warranty being void.

Where installed by an Auto Openers Accredited Dealer, the 10 year warranty applies subject to all conditions being met. Where installed by a non-accredited installer, the warranty is limited to 5 years, subject to all conditions being met.

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

- (a) The garage door is correctly spring balanced, operable by hand, and requires no more than 20kg of lifting force.
- (b) The garage door and opener are professionally maintained and serviced by a qualified garage door installer. The Unit must be serviced within 12 months of installation and at least every 2 years thereafter, or more frequently where required to maintain safe and reliable operation. If the door binds, sticks, or is out of balance, it must not be operated until it has been serviced. All servicing and maintenance costs are the responsibility of the purchaser.
- (c) The product is registered within 60 days of installation via the Auto Openers warranty registration portal.
- (d) Proof of purchase is retained and must be provided upon request.

Exclusions – What Voids the Warranty

This warranty does not cover, and may be voided by, the following:

- (a) Electrical faults including blown fuses, power surges, voltage spikes, or unsuitable electrical wiring
- (b) Excessive use, including continuous operation exceeding recommended duty cycles
- (c) Manual operation force exceeding 20kg
- (d) Door weight exceeding the recommended capacity of the Unit
- (e) Use of the Unit with a door that is not in safe working condition
- (f) Radio interference, signal issues, or environmental interference
- (g) Accidental, deliberate, or negligent damage, including impact
- (h) Faulty or improper installation
- (i) Lack of proper maintenance or servicing, or servicing by an unqualified person
- (j) Control board (PCB) failure caused by external factors including power events or water ingress
- (k) Water damage, including direct exposure or condensation

Making a Claim

To make a claim under this warranty, the defect must occur within the applicable warranty period and all warranty conditions must be met.

- (a) Contact the Auto Openers dealer from whom the product was purchased. If purchased directly, contact Auto Openers on 1300 42 88 66.
- (b) If you are unsure of the original supplier, contact Auto Openers and we will assist in directing your claim.
- (c) You will be required to provide:
 - Proof of purchase
 - Product model details
 - Installation date
 - Installer or dealer details
 - Evidence of required servicing and maintenance
- (d) If a claim is accepted and the fault is determined to be a manufacturing defect, Auto Openers or its authorised representative will repair or replace the product at no cost.

Auto Openers Contact Details

Phone: 1300 42 88 66

Email: sales@autoopeners.com.au

website: www.autoopeners.com.au

