

# Important Safety Instructions

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 rules. Failure to comply with the following instructions may result in death, serious personal injury or property damage.

Symptom	Possible cause	Remedy
The opener does not work from the transmitter	Garage door in poor condition e.g. springs may be broken	Check the door's operation
One transmitter works but the others do not	Faulty transmitter	Replace transmitter
The chain moves but the door remains stationary	The opener is disengaged	Re-engage the opener
Motor is running but chain is not moving	Damage motor assembly	Contact your dealer for support.
The transmitter range varies or is restricted	Varations are normal depending on conditions e.g. temperature or external interference	Make sure you can see the door when you use the transmitter.
The battery life is exhausted	The battery life is exhausted	Check the battery status by pressing a button (flashing or no light requires battery to be changed) Aim the transmitter through the windshield.
The door reverses for no apparent reason	This may occur occasionally from environmental conditions such as areas that are windy, dusty or have extreme temperature changes.	Ensure the door runs smoothly before increasing the force pressure.
If Safety Beams are installed they may be partially obstructed.	Ensure the beam path is not obstructed. Check the Alignment.	Repair Safety Beam or replace wiring.
Auto Close not working	Safety Beam or wiring faulty	Re-align optics. See Safety Beam instructions.
The door stops or moves very slowly under battery (Optional Battery Back Up Accessory)	The batteries may have little to no charge	Connect mains power and leave the batteries to charge. The batteries may take 24 to 48 hours to reach their maximum charge capacity.
The SERVICE LED has started to flash and is beeping numerous times	A fault has been detected. The fault will be active each time an attempt is made to operate the door.	Record opener function (How many beeps?) then press the SET button once to reset the opener. If the fault continues to be tripped contact 1300 736 410 for support.
The Open (Green) LED and Close (Red) LED are flashing alternatively	Opener is overloaded	Check the doors operation by disengaging the motor and ensuring the door runs smoothly. If necessary make door adjustments or contact your door professional.
The Open (Green) LED	Door obstructed when opening	Clear away any obstructions and test door opens correctly. (If door is damaged, contact your door professional).
The Close (Red) LED	Door obstructed when closing	Clear away any obstructions and test door closes correctly. (If door is damaged, contact your door professional).
Limits may be cleared		Remove all power sources (including the battery backup). Wait till all lights are out (10-15 secs), then reconnect power. If Red LED is flashing, limits are not set. Reset Limits.

# Troubleshooting Guide

### To Recalculate Force Margins

- Press and hold the SET button for two (2) seconds.
- While holding down the FORCE MARGIN SET button, press the PLUS (+) button. The OPEN LIMIT LED will flash each time the force margin increases.
- Release both buttons. The SET button for two (2) seconds. The default setting should now be recalled.
- A single beep will be heard once the process is complete.
- Test the force again as per Testing Close Cycle and Testing Open Cycle.

### To Recal Factory Set Force

- Press and hold the SET button for two (2) seconds.
- While holding down the FORCE MARGIN SET button, press the PLUS (+) button. The OPEN LIMIT LED will flash each time the force margin increases.
- Release both buttons. The SET button for two (2) seconds. The default setting should now be recalled.
- A single beep will be heard once the process is complete.
- Test the force again as per Testing Close Cycle and Testing Open Cycle.

### To Increase Force Pressure

- Hold down FORCE MARGIN SET button.
- While holding the FORCE MARGIN SET button, press the PLUS (+) button. Each press increases the force margin.
- The CLOSE LIMIT LED will flash each time the MINUS (-) button is pressed to indicate a force decrease.
- If the CLOSE LIMIT LED is on continuously when pressing the MINUS (-) button this indicates that the maximum setting has been reached.
- Test the force again as per Testing Close Cycle and Testing Open Cycle.

### To Decrease Force Pressure

- Hold down FORCE MARGIN SET button.
- While holding the FORCE MARGIN SET button, press the MINUS (-) button. Each press decreases the force margin.
- The CLOSE LIMIT LED will flash each time the MINUS (-) button is pressed to indicate a force decrease.
- If the CLOSE LIMIT LED is on continuously when pressing the MINUS (-) button this indicates that the maximum setting has been reached.
- Test the force again as per Testing Close Cycle and Testing Open Cycle.

### Adjusting Safety Obstruction Force

The Safety Obstruction Force is calculated automatically during setup. Adjusting this is normally only necessitated by environmental conditions such as windy or dusty areas, and areas with extreme temperature changes.

- Hold down FORCE MARGIN SET button.
- While holding the FORCE MARGIN SET button, press the PLUS (+) button. Each time the travel limits are set and safety obstruction force tested check the chain or belt tension. As per the sticker on the C-rail the chain or belt should sag slightly, so there is a 5mm gap between the bottom of the C-rail and the chain or belt.
- When the door reaches approximately half way, firmly grab the door's bottom rail - the door should stop.
- If the door does not reverse readily when closing, or stop when opening, the force may be excessive and need adjusting.

**NOTE:** Once the travel limits are set and safety obstruction force tested check the chain or belt tension. As per the sticker on the C-rail the chain or belt should sag slightly, so there is a 5mm gap between the bottom of the C-rail and the chain or belt.

The tension can be varied by using a spanner to adjust the bolt at the door end of the C-rail. Be sure not to over-tension the chain or belt as this can cause damage to the C-rail or opener.

The Safety Obstruction Force is calculated automatically during setup. Adjusting this is normally only necessitated by environmental conditions such as windy or dusty areas, and areas with extreme temperature changes.

### Safety Obstruction Forces

**WARNING!** Excessive force may cause SERIOUS PERSONAL INJURY and/or PROPERTY DAMAGE.

Take care when testing or adjusting the Safety Obstruction Force.

**WARNING!** If the door fails these tests, put the door into manual mode, only operate the door by hand and call for service.

**WARNING!** Photo electric beams must be installed if the closing force at the bottom edge of the door exceeds 400N (40kg) force.

### Testing Close Cycle

- Place a piece of timber approximately 40mm high on the floor directly under the door.
- Press the programmed transmitter to open the door.
- When the door reaches approximately half way, firmly grab the door's bottom rail - the door should stop.
- If the door does not reverse readily when closing, or stop when opening, the force may be excessive and need adjusting.

### Testing Open Cycle

- Press the transmitter to close the door.
- When the door reaches approximately half way, firmly grab the door's bottom rail - the door should strike the object and re-open.
- Press the programmed transmitter to open the door.
- The door should strike the object and re-open.

### AutoClose

Auto-Close mode is a function that automatically closes the door a preset time after the Safety Beams recognise that a vehicle has left the garage. The Auto-Close timer only starts after the Safety Beams path is broken. If the safety beam path is not broken, the door will remain open until the path is broken. If the opener incurs a physical obstruction (i.e. not from the Safety Beams) while closing the door, it will re-open and not Auto-Close until the Safety Beams path is broken again.

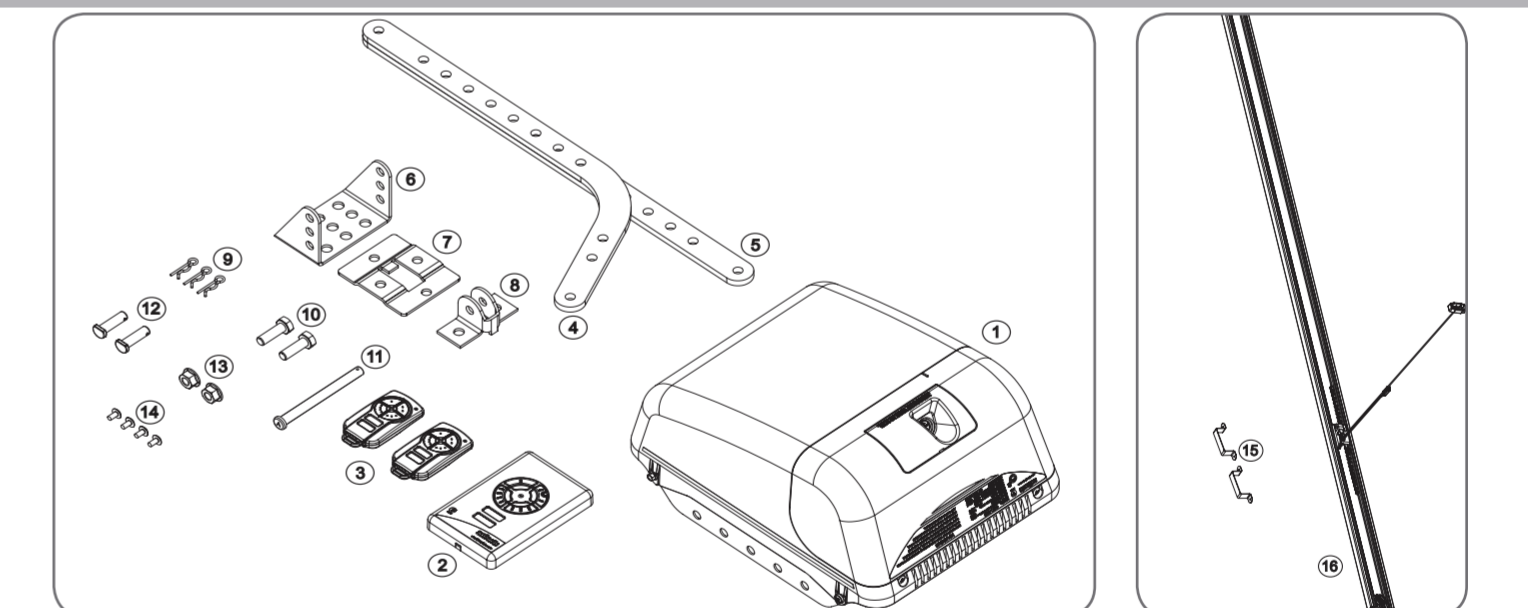
### Beams installed when using Auto-Close mode.

**WARNING!** Beams installed when using Auto-Close mode.

- Hold down the AUTO CLOSE TIME button.
- While holding in the AUTO CLOSE TIME button, press the OPEN button - each press will add one second to the Auto-Close delay.
- To decrease the delay time Hold down the AUTO CLOSE TIME button and press the CLOSE button - each press will deduct one second from the Auto-Close delay.
- Press the Operate button or transmitter to open the door. When the door is fully opened the Open Limit LED will flash to indicate that Auto-Close mode is operational.
- Break the Safety Beams path momentarily to initialise Auto-Close. When the door reaches the fully opened position, the door will pause for the set Auto-Close time and then close.

# GDO-9 Enduro™ Gen 2

## Overhead Garage Door Opener Installation Instructions



- ### Kit Contents
- 1 x GDO-9 Enduro™ Gen 2 drive unit
  - 1 x Wall mount transmitter with battery
  - 2 x Transmitters with batteries
  - 1 x Bent arm door attachment
  - 1 x Straight arm door attachment
  - 1 x Wall bracket TS01
  - 1 x Door bracket Locator
  - 1 x Door bracket
  - 3 x Pin Snap SSP 8 ZNU 31080
  - 2 x Hex Head screw M8x25
  - 1 x Pin 0890
  - 2 x Clevis Pin 0829
  - 2 x Hex Serration flange nut M8
  - 4 x Hex flange screw taprite 'S' M4 x 10 PLUS
  - 2 x Track Bracket
  - 1 x Pre-Assembled Single Piece C-Rail

### Important Note:

**128** Only TrioCode™128 Technology Transmitters and Keypads are compatible with this GDO-9 GEN2 product.

- ### Tools Required
- Ladder
  - Door Stand
  - Adjustable Wrench
  - Socket set
  - Drill
  - Screwdrivers
  - Marker Pen

### Power Supply

Properly earthed 3 pin single -phase power is required.

**WARNING!** A portable power generator is not recommended due to spikes, surges and fluctuations in the supply.

### Head Room

The minimum height required between the highest point of the door's travel and the ceiling is 57mm.

### Quick Install Guide

### C-Rail Attachment Single piece

C-Rails are pre-tensioned during manufacturing for transport. Some extra tension may be required after installation.

If the C-Rail needs to be shortened or lengthened (using the extension kit) ensure these modifications are made to the drive unit end.

To prevent scratching the unit after attaching the C-Rail, place the drive unit back in its packing box.

