



Powermesh Garage Door Controller User Manual



Call 1300 427 243
Visit steel-line.com.au



Zimi requires a compatible (Android, iOS) mobile device. Availability and performance of certain features are service, device and network-dependent and may not be available in all areas; subscription(s) may be required, and additional terms, conditions and/or charges may apply. All features, functionality and other product specifications are subject to change without notice or obligation. Powermesh products are optimised for the use with the Zimi App. The Simply Safer and Steel-Line Garage Doors logos are registered trademarks of Steel-Line Garage Doors Pty. Ltd. The Bluetooth word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. iOS is a trademark or registered trademark of Cisco Inc. Zimi and Powermesh and their respective logos are registered trademarks of GSM Innovations Pty Ltd. Google Play and the Google Play logo are trademarks of Google Inc. Google Home requires Wi-Fi, Google account and compatible device. Google, Google Home, Google Home Mini and Google Home Max are trademarks of Google LLC. Apple, the Apple logo, Apple Watch and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc., registered in the U.S. and other countries. © Copyright 2019 GSM Innovations Pty. Ltd. All rights reserved.



Click section tabs
to return to this page.

Control your door like never before.

Congratulations on your purchase of your Steel-Line Powermesh Garage Door Controller. With a reputation built on reliability, safety and security, we present the latest innovation in garage door technology.



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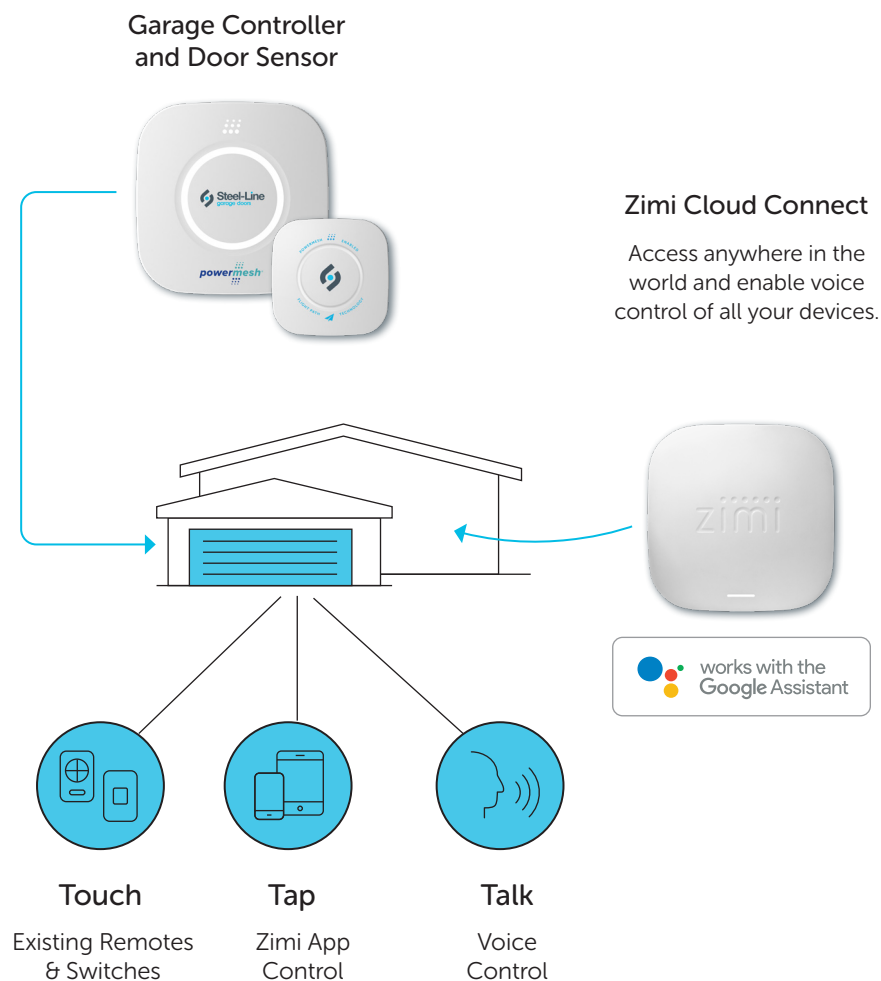
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Introduction

Welcome to your new Steel-Line Powermesh Garage Door Controller you can use with touch, tap and talk.

Enjoy the convenience of controlling your door with your phone or with the optional Zimi Cloud Connect, and go hands-free with voice control.



Safety Instructions

Please read these important safety instructions prior to installation.

A garage door is the largest automated moving object in most homes. Please ensure that all safety recommendations and regulations are considered and adhered to.



This device allows for operation of the garage door when the door or opener is not in direct line of site.

As the door may operate unexpectedly you must ensure that there is no object near the path of the door. When the door is operating people must be kept away until the door has come to a complete stop. Contact with a moving door may result in serious injury, death or damage to property.

Safety beams must be installed in accordance with AS/NZ 60335-2-95:2012. Correctly installed safety beams will prevent the door from closing if a person or object is located within the door area.



It is highly recommended that safety beams are fitted with all installations.

In addition, monthly safety reverse tests and regular professional maintenance must be carried out as detailed in your opener's Installation and Operating Manual.

This product, or any internet device that has the Zimi app installed, is not intended for use by children or persons with reduced physical, sensory or mental capabilities.

The door sensor has an IP66 (waterproof) rating however the controller should not be installed in a wet or damp space exposed to weather.

Do not attempt to disassemble, repair or modify the product in any way. This will void the product warranty.

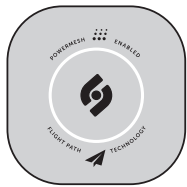
What's in the box

Please identify all the contents before proceeding with the installation.

1. Garage Controller



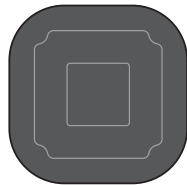
2. Door Sensor



3. Battery



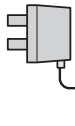
7. Sensor Mount



4. Quick Connector



5. Power Plug Pack



6. Motor Wire

8. Quick Install Guide



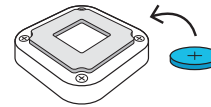
9. Warranty & Terms Booklet



Installation steps

Setup is easy, just follow these steps and refer to this manual for detailed information.

1



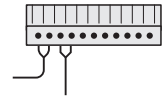
Insert the battery into the Sensor.

2



Mount the Sensor to your garage door.

3



Connect the wiring to the garage door motor.

4



Mount the Controller next to the motor.

5



Pair and setup with the Zimi app.

6



Setup the optional Zimi Cloud Connect.

Installation video

Click or scan the QR code below to watch the step by step video.

Watch it on the Steel-line YouTube channel:
'How to install the Powermesh Garage Controller'.



Point your smartphone camera at the code to scan and open.

Garage Controller

The controller wires to your garage door motor.
It can control up to 2 door motors.

Door Position Light Ring

The light ring changes when the door is moving.



Specifications

Communication: Bluetooth ®.
Power: 24VDC <500mA.
Outputs: 2 x dry connect relays for motor bell press connection.
Inputs: 2 x Photo Eye Beams (PEB)
Refer to the compatibility list.

Quick Connector

Allows for easy wiring and simply plugs in.
See Wiring in Section 8.

Temperature & Humidity Sensor

Do not cover the sensor holes.

Reset Button

Press and hold to reset the device.

Powermesh Indicator Status



Blue

Device is operational and ready to be set up on a network. Use 'add device' in Zimi to finish setting it up.



White

Device has been set up on a network and is operational. To set up on a different network, simply RESET the device.



Red

Device has a critical fault, try updating the firmware. If unsuccessful, the unit will have to be replaced.

Door Sensor

The door sensor tracks the door position.
Each door requires a sensor.

Specifications

Communication: Bluetooth ®.
IP rating: IP66.
Battery: CR2450.



Insert the battery

1. Remove screws to take off the back cover.
2. Make sure the O-ring seal is in place.
3. Insert battery with + symbol as shown.



Push button

LED light

Battery test. Press once.

The LED light will flash to show the Battery Power.



Reset the Sensor. Press and hold for 6 seconds.

Once the LED light flashes rapidly, release to reset.

Door Type & Mounting Locations

Please identify your garage door type, then follow the mounting details as shown for the Controller and Sensor.

Mounting the Controller and Sensor.

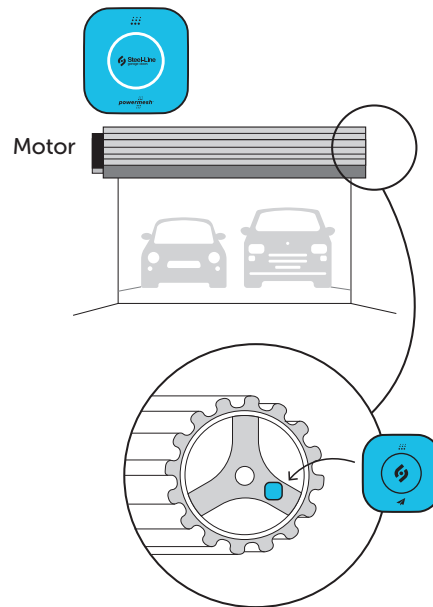
Clean the wall/ceiling surface, peel off the adhesive backing, press firmly onto the surface.


A

Roller Door.

Stick the controller on the wall or ceiling close to the garage door motor.

Controller



Door Sensor

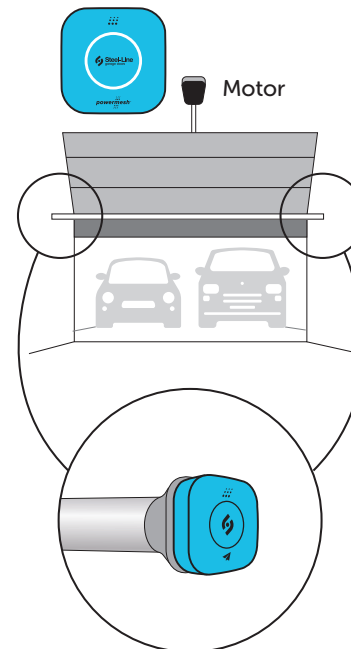
Stick the sensor on to the drum wheel spoke at the end without the motor.

B

Sectional Door.

Stick the controller on the ceiling close to the garage door motor.

Controller



Door Sensor

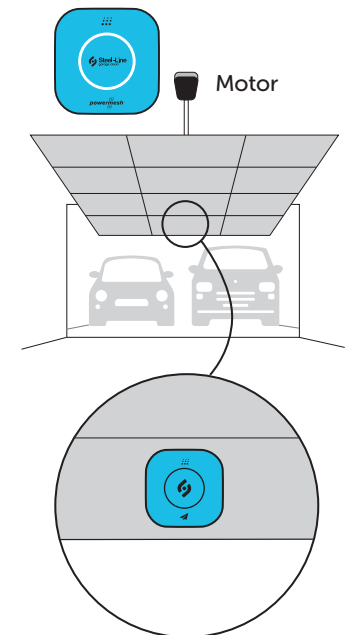
Stick the sensor to the sensor mount. Push firmly onto the door shaft.

C

Tilt Door.

Stick the controller on the ceiling close to the garage door motor.

Controller

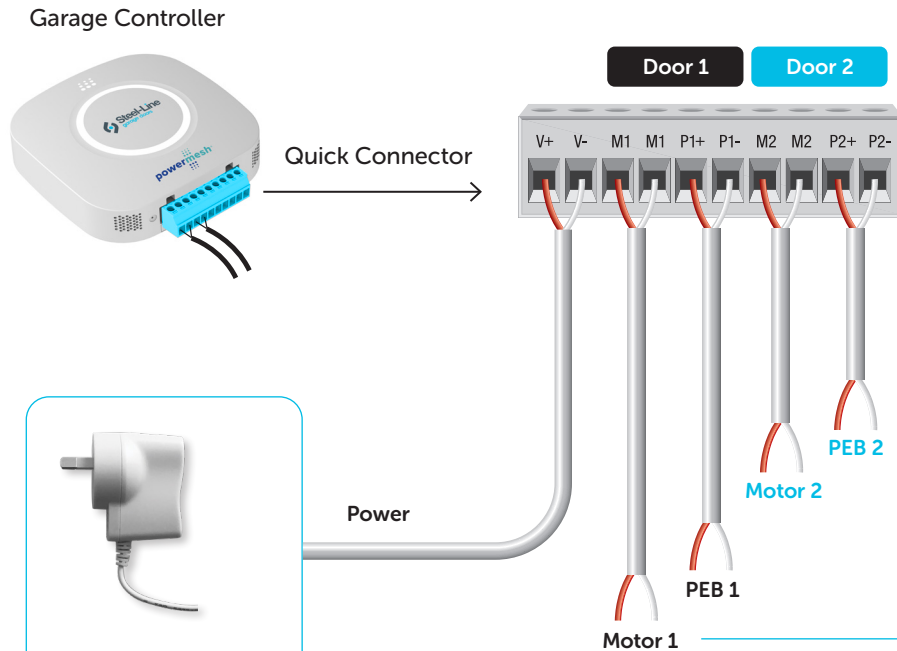


Door Sensor

Stick the sensor to the inside, middle, bottom of the door.

Quick Connector wiring

The quick connector plugs into the controller to make wiring easier.



Power Input

Plug the Power Plug Pack into a power point.

Optional:

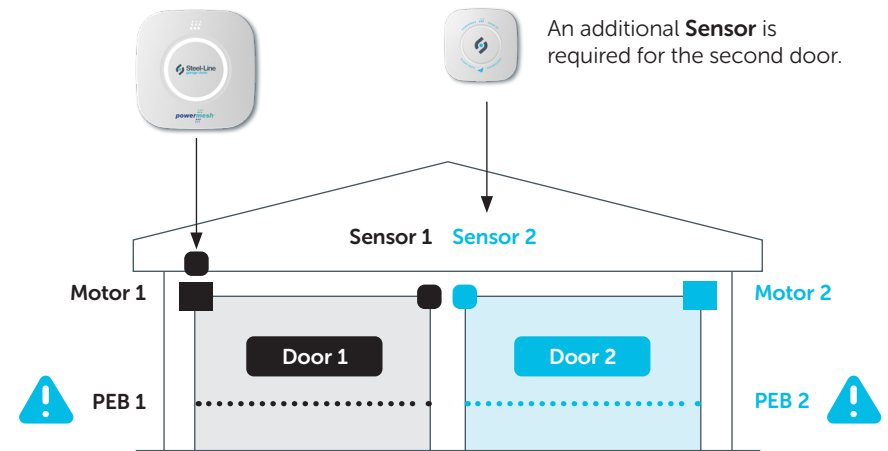
If your motor has 24V terminals they can be used instead if necessary.

Photo Eye Beams PEB1 / PEB2

It is recommended that PE Beams are used for safety.

Note: Only wire to the garage controller if your motor does not have PEB terminals. Otherwise it is recommended that the PE Beams remain connected to your motor.

Garage Controller can control up to two doors motors.



An additional **Sensor** is required for the second door.

Typical 2 door garage.
Example shown with roller doors.

Door Motor 1 / Motor 2

The M1 wires should be connected to the **Push Button (Bell Press)** terminals of the Garage Door Motor.

M2 wires are for Garage Door Motor 2.

Note: Please refer to your garage door motor manual or the following pages for some common motor types.

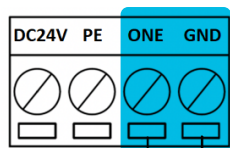
Steel-Line Openers

9

Push Button (Bell Press) terminal locations.

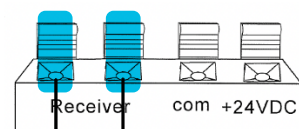
Please check your garage door opener manual for more information.

RD800 / RD1200 / SPRINT800RD
SPRINT1200RD



Bell/Push button terminals

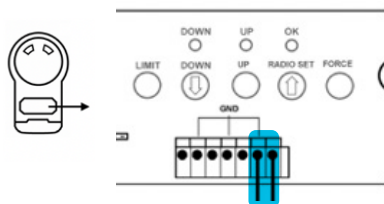
Steel-Line SD800



Bell/Push button terminals

RD9 / BRD9 / RD11 / BRD11

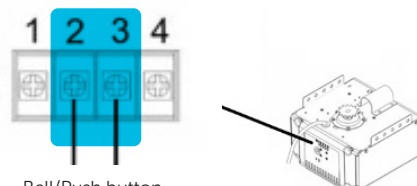
May be branded Boss or Guardian.



Bell/Push button terminals

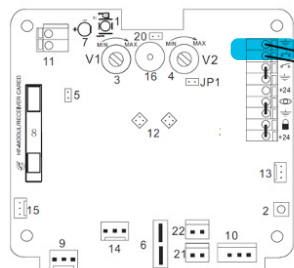
OL4/BOL4

May be branded Boss or Guardian.



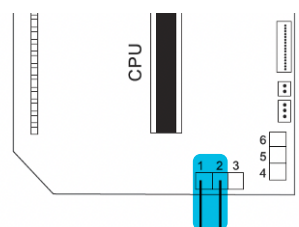
Bell/Push button terminals

RD1A / BRD1A



Bell/Push button terminals

Forza 1200 / OL1200



Bell/Push button terminals

Marantec Openers

10

Push Button (Bell Press) terminal locations.

Please check your garage door opener manual for more information.

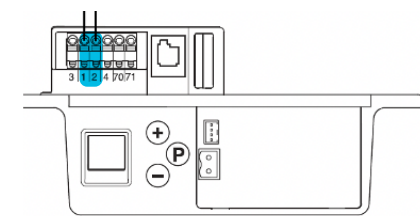
The following setting must be done to work with the Powermesh Controller.



1. **Access the Motor Menu.**
 2. **Select Level 5 : Special functions.**
 3. **Select Menu 1 : Programmable input.4.**
- Change to option 7.**

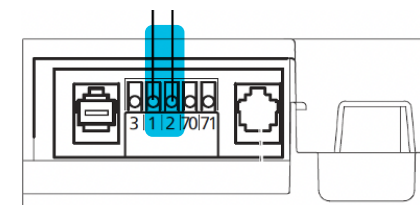
Marantec Comfort
260 / 270 / 280 / 380

Bell/Push button terminals



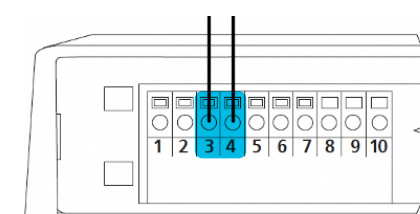
Marantec Comfort
220 / 250 / 252 / 257

Bell/Push button terminals



Marantec Comfort
800 / 1000

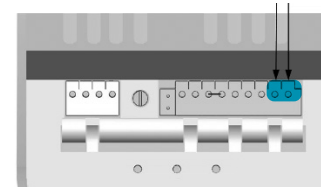
Bell/Push button terminals



OL6 / BOL6

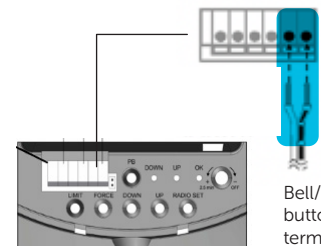
May be branded Boss or Guardian.

Bell/Push button terminals



OL6.5 / BOL6.5

May be branded Boss or Guardian.



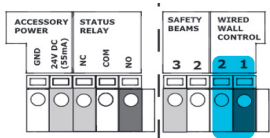
Bell/Push button terminals

Merlin (Chamberlain) Openers

Push Button (Bell Press) terminal locations.

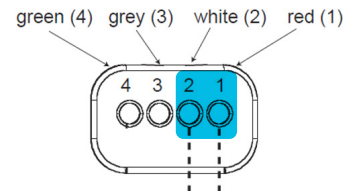
Please check your garage door opener manual for more information.

MR650/MR850



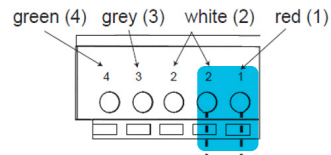
Bell/Press button terminals

MR550EVO WeatherDrive



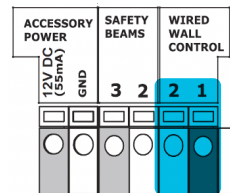
Bell/Press button terminals

MR655EVO QuietDrive Pro MR855EVO SilentDrive Pro MR655MYQ SilentDrive Essential MR855MYQ SilentDrive Elite



Bell/Press button terminals

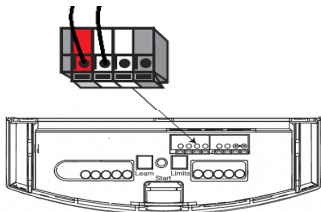
MR650EVO QuietDrive MR850EVO SilentDrive / MR850BBU MRC950EVO OverDrive



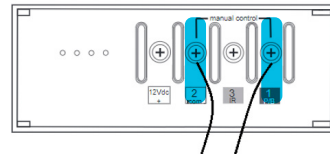
Bell/Press button terminals

MR60 / SR60 Roller Ace MR600 / MR800

Bell/Press button terminals



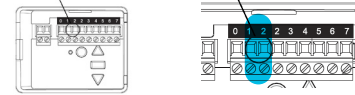
MR1000 / M430R / MT230 / MT230T



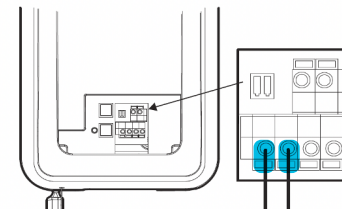
Bell/Press button terminals

MS65MYQ Commander Essential MS105MYQ Commander Elite MS125MYQ Commander Extreme

Bell/Press button terminals



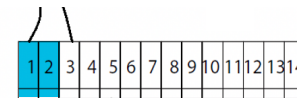
MJ3800 / MJ3800R



Bell/Press button terminals

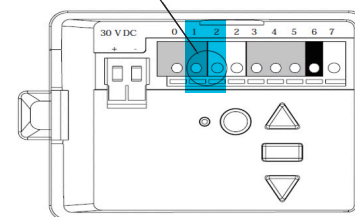
MJ3800MYQ Commander Ultimate

Bell/Press button terminals



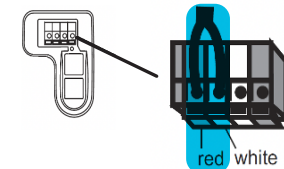
MT60EVO PowerAce, MT100EVO TiltMaster, MT120EVO CyclonePro MT110MYQ Commander MYQ

Bell/Press button terminals



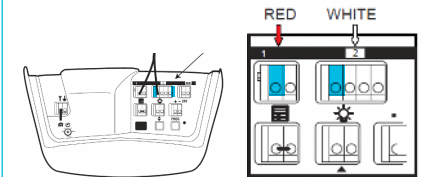
MT3850 / MT3850EVO MT5580 / MT5580P

Bell/Press button terminals

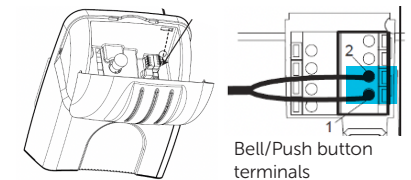


MT600 / MT800 / MT1000

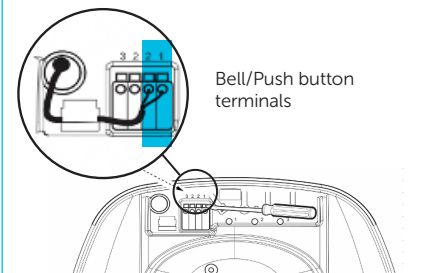
Bell/Press button terminals



MT60 / MT60P



MT50EVO EntryLift / ST50EVO



Using Zimi

Zimi provides control of your garage door on your phone and works with all Powermesh products.

1

Download the Zimi App.

Create a new Account and Log in.



Scan the QR code to download the app.

Download on the App Store

GET IT ON Google Play

Zimi requires at least Apple iPhone iOS 12 or Android version 8

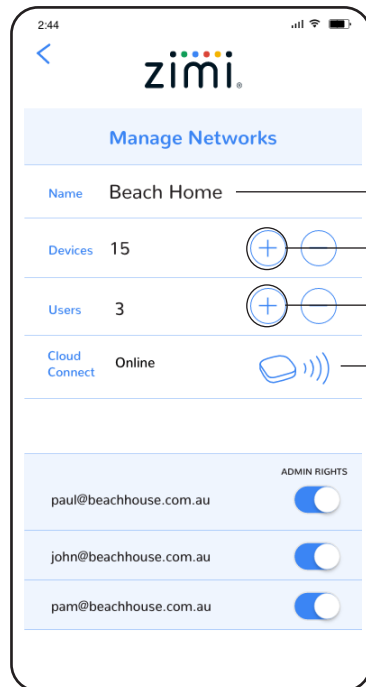
2

Manage Networks screen.

Click menu, click Manage

Click to 'Add a device'

Follow the on screen instructions and setup the garage controller.



Network name.

Add a device.

Add a new user.

Zimi Cloud Connect status if setup.

3

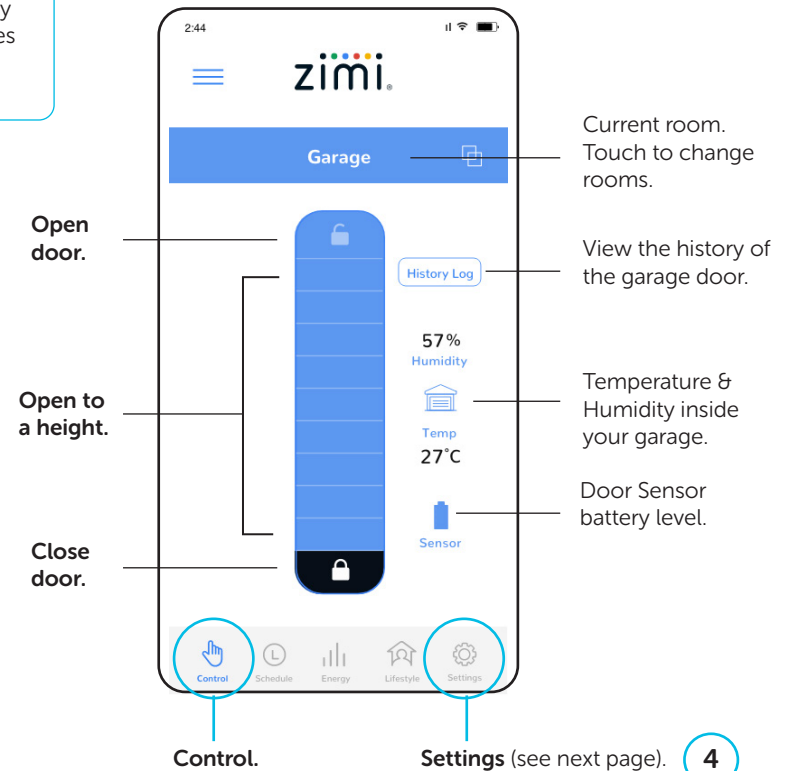
Control screen.

Control will display the devices in the current room. If you cannot see the Controller, select the room 'Garage'.



Rapidly pressing the controller is not recommended, as the door motor cannot change directions quickly.

Control heights are approx every 10% which varies depending on your motor.



Open door.

Open to a height.

Close door.

Current room. Touch to change rooms.

View the history of the garage door.

Temperature & Humidity inside your garage.

Door Sensor battery level.

Control.

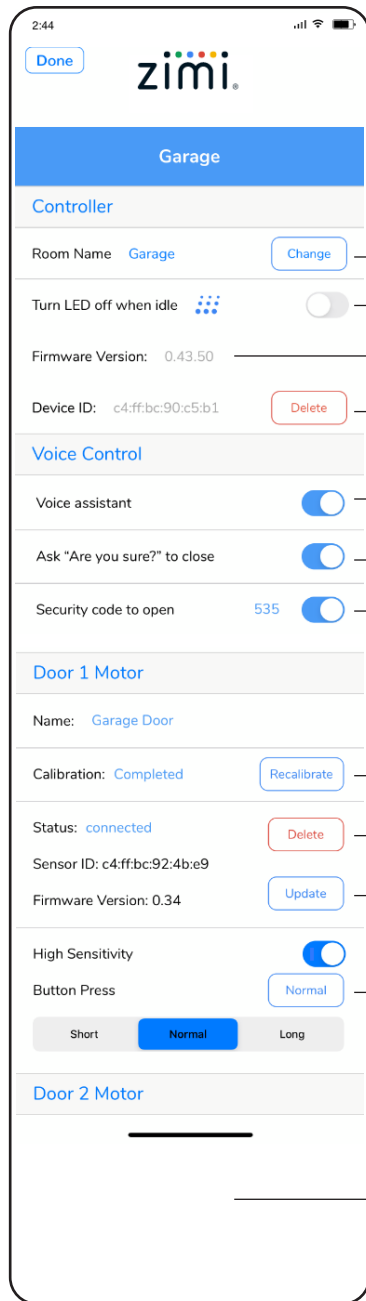
Settings (see next page).

4

Press to operate

Single press mode is shown when the door sensor is not connected.





4

Settings screen.

Change the room.

Turn the logo off.

Current firmware.

Delete the controller.

Make discoverable with Google Assistant.

Ask before closing.

Security code.

Restart 'Flight Path'.

Delete Sensor 1.

Update Sensor 1 firmware.

Button press length setting.

Door Motor 2 and Sensor 2 when added.

Zimi Cloud Connect

Optional Zimi Cloud Connect enables voice control and remote access for all your Powermesh products from anywhere in the world.



1



Setup the Zimi Cloud Connect.

Place in a room near the garage, on a table or shelf, where there is strong Wi-Fi signal.

Do not place in the garage, directly next to your Wi-Fi router or on any metal surface.

2

Pair with the Zimi App.



3

Link Zimi with the Google Assistant.



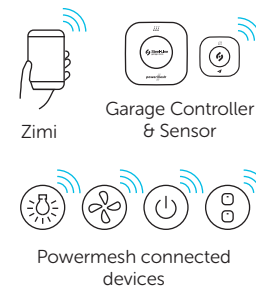
Connect anywhere and anytime with Zimi Cloud Connect.

Add Powermesh devices to control lighting, fans and more in your home.

Visit www.zimi.life to explore the Powermesh range.

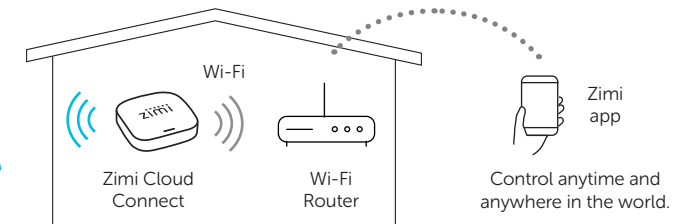
Control in the home

Bluetooth mesh



Control away from home

Via the Internet



Voice Control

Enjoy hands-free control of your Garage Door with Apple, Android and Google devices.

A

Link Zimi with the Google Home App.



Once you link your Zimi account all your devices will be displayed in the Google Home app.

1 Open the Google Home App.



2 Tap the Plus icon in the top right corner.



3 Tap 'Set up device' then 'Have something already setup?'



4 Type 'Zimi' in search bar at top of screen and select Zimi.



5 Enter Zimi account details when prompted and then select log in.

Log in

6 Tap on 'Authorise' button to finalise.

Authorise

Once setup is complete, tap the 'microphone' to make voice commands.



B

Using the Google Assistant with 'Hey Google'.



Once Zimi is linked with the Google Home app, tap the 'microphone' to make voice commands.

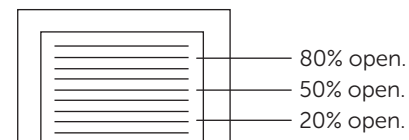


'Hey Google'

Open/Close the Garage Door?

Is the Garage Door open/closed?

Open the Garage Door 50%.



Control heights are approx every 10% which varies depending on your motor.

C

Using Siri Shortcuts.



Shortcuts

Siri Shortcuts works with the Apple iOS. Once setup, you can tap a shortcut or use "Hey Siri" to activate any of the commands for the garage door.

1 Open the Shortcuts App.



2 Tap on the Plus icon in the top right corner, then 'Add Action.'



3 Scroll down and select the Hey Google command you want to use.



4 Select "Next" in top right corner.

Next

5 Type in the 'Shortcut Name' and click 'Done' in top right corner.

Done

Setting up to use a Siri shortcut.

Open the Google Assistant App and speak the garage door commands you would like to use in Siri shortcuts.

Then proceed with Step 1.

Using a Hey Siri shortcut.

Siri will open the Google Assistant and show the command being run. This will show any confirmations if you asked a question.

Get creative with shortcut names.

You can name your shortcut anything you like, for example 'Coming home' and it will perform the garage door shortcuts.

Troubleshooting

If you are having any issue, please do the following before proceeding.

1. Update the operating system OS on your phone.
2. Download the latest version of the Zimi App.
3. Restart your phone by turning it off and back on.

Section topics.

Refer to the relevant Section topic shown in this manual.

5

SETTING UP WITH ZIMI

Controller not found when adding device.

- Make sure Bluetooth is enabled on your phone.
- Stand within 2 metres of the controller.
- The controller LED indicator must be BLUE. (section 5).



5

Door did not move.

Check the wiring with your motor push button terminals. (sections 8-11).

8

9

10

11

Sensor not found.

Test the Sensor battery and then reset before trying again. (section 6).

6

Need help installing?

Watch the installation video by searching YouTube '*How to install the Powermesh Garage Controller*'.

Scan the QR code with your smart phone or tablet. (section 4).

4

USING THE CONTROLLER

Yellow warning symbol.



This shows a connection error, please make sure your phone is within Bluetooth range of the controller.

If you have a Zimi Cloud Connect setup you can control via Wi-Fi & Internet when out of range. (section 13).

13

Press to operate.



This screen is shown when the sensor is disconnected. It allows door operation without showing the door position.

If you already have setup the sensor, check the battery (section 6).

6

Door position shown wrong.

Motor start speeds that vary and abrupt door motion can affect accuracy. If the problem persists, try disabling the 'high sensitivity' in the settings menu. (section 11-4)
Using Zimi / settings screen.

11

4

VOICE CONTROL

The Zimi Cloud Connect is required to be setup and online, before using the Google Assistant with the Garage Controller.

'Sorry, that device is not setup yet'.

- Make sure you have linked Zimi with Google Home. (section 13-A).

13

A

- The garage door must be 'assigned to a room' to work.
- Make sure you are saying the 'door name' as shown in Zimi.

'Sorry, Zimi could not be reached'.

- Check your home Internet is working.
- Check the Zimi Cloud Connect status indicator is white and not flashing.
- Try unlinking & relinking Zimi with Google Home. (section 13-A).

13

A

Can the PIN and close confirmations be changed?

These options can be changed in Zimi settings. (section 11-4).
Using Zimi / settings screen.

11

4

Using voice without unlocking Android phones.

'Trusted locations & devices' in your phone settings can allow complete hands-free control using only your voice.

Need more help?

Contact Steel-Line Garage Doors.

Call : 1300 427 243

Visit : www.steel-line.com.au

Warranty and Terms

Statutory Rights.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and 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 acceptable quality and the failure does not amount to a major failure.

Warranty.

BX Bunka Australia Pty Ltd, ABN: 74 124 163 793, trading as Steel-Line Garage Doors (the manufacturer or we, us, our) provides this defects warranty (Warranty) in addition to the other rights and remedies available to you under a law in relation to the Products. Nothing in this Warranty limits your rights and remedies under the Australian Consumer Law. In particular, any warranty periods in this Warranty do not vary or limit the period of time in which you may be entitled to remedies under the Australian Consumer Law if the Products are supplied in breach of consumer guarantees under the Australian Consumer Law.

What is covered under this Warranty?

1 Subject to the terms of this Warranty, if there is a defect in components or workmanship of a Products within a period of one (1) year from the original date of purchase, the manufacturer will repair or replace the Product free of charge or refund you the cost of the Product. No additional warranty period will apply for Products repaired or replaced by the manufacturer free of charge beyond this one (1) year warranty period. **2** If a defect is not covered by this Warranty and we repair or replace a Product and charge you for this work, and there is a defect in components or workmanship within a period of three (3) months from the date the work is carried out, subject to the terms of this Warranty, the manufacturer will repair or replace the work carried out free of charge or refund you the cost of the repair or replacement. **3** Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods.

Warranty Conditions.

- 1** This Warranty only applies to the original purchaser of the Products purchased in Australia. This warranty cannot be transferred to a new owner.
- 2** The Products are designed only for use in a single-family dwelling. This Warranty does not apply if you use the Product in other residential premises or commercial or industrial premises.
- 3** It is a condition of this Warranty that the Products must be installed and maintained in accordance with the instructions supplied with the Products.
- 4** If the Product is purchased online from an online reseller, the manufacturer accepts no responsibility for determining the suitability of the Product for your intended use and accepts no responsibility for unauthorised installation.

Making a claim under this Warranty and expenses for making a claim.

You must comply with all the following steps to make a claim under this Warranty. If you suspect a Product may be defective, and you wish to make a claim under this Warranty, during the warranty period you must contact the retailer that you purchased the Product from or contact our technical support team (on the contact details below) and they will work to diagnose the issue and arrange for your defects claim to be assessed. You must provide a sales docket or invoice or other proof of purchase to demonstrate the original date of purchase, or where relevant, to demonstrate the date of repair or replacement, and provide details of the model and serial number. You must return the Product to us in original or suitably secure packaging. We do not cover the cost of on-site attendance to inspect or de-install the Product or to re-install the Product. You will be responsible for transportation costs associated with returning the Product to us, unless we have agreed alternative arrangements with you. We will be responsible for transportation costs associated with sending you the repaired or replacement Products, unless your claim is invalid. If there is no defect in the Product or you claim is otherwise invalid, the following applies. We may charge you a fee for the assessment of the Product, and where relevant, a fee for attending your premises to inspect the Product and the cost of transporting the Product back to you. If your claim

is invalid and there is a failure in the Product, we will also tell you the cost of any recommended repairs or replacement and ask you whether you would like us to repair or replace the Product at that price.

What is not cover under this Warranty?

This Warranty does not cover batteries, fuses, transmitter and receiver range, labour and travel for attendance at your premises. This Warranty will not cover any Product failure or defect to the extent it has been caused by any of the following: **1** non-conformity with the instructions concerning installation, maintenance, operation and testing of the Product; **2** modification, adjustment or repairs of the Products by anyone other than authorised persons; **3** problems relating to the garage door opener or garage door hardware or other goods with which the Product is intended to be used including springs, rollers, hinges, door alignment or other issues associated with lack of proper maintenance of garage door opener or hardware by a professional garage door technician; **4** normal wear and tear; **5** corrosion or electrical malfunction caused by exposure to water damage or condensation in excess of the Products' water resistance rating; **6** corrosion or problems due to installation within 800m of the sea or body of water of equivalent or greater salt concentration; **7** electrical storms, power strikes, power surges, incorrect power current, fire, excess water exposure, flood, rain or other acts of God; **8** problems caused by blown fuses or replacement of batteries; **9** damage caused by insects or pests; **10** damage caused by malware or viruses; **11** radio or electrical interference; **12** and misuse, tampering, neglect, abuse, accidents or damage beyond the manufacturer's reasonable control. The garage door hardware, opener and other goods, with which the Products are intended to be used must be properly installed, operational and serviced so that they operate properly with the Products. The garage door may not open, close and stop in accordance with the expected transmissions of messages. Where such issues occur, because of problems with the garage door hardware, opener or other goods, this is not a Product defect but a problem with the garage door hardware, opener or other goods.

Our Liability.

To the maximum extent permitted by law, we exclude all warranties, conditions and guarantees relating to the Products and our repair services in connection with the Products, which are not provided under Australian Consumer Law (or under any other law or regulation in Australia, which cannot be excluded by law) or which are not set out in this Warranty or any other terms and conditions between you and the manufacturer. Without limiting our liability under Australian Consumer Law or any other liability which cannot be excluded or limited under any other law or regulation in Australia, our liability in connection with the Products and our repair services in connection with the Products is limited to the remedies set out in this Warranty, and if we do not comply with these remedies the price charged for the Product, or for a repair or replacement the price charged for the repair or replacement.

Privacy Statement.

The Products collect data associated with their operation (including time of opening and closing of the garage door with which they operate). This data is collected and transmitted to the Zimi app, provided by GSM Innovations Pty Ltd and any other electronic device (if any) which you use to operate with the Products. For further information about how GSM Innovations Pty Ltd collects and handles data and your personal information, see their privacy policy available at: <https://www.zimi.life/privacy-policy/>.

Information you have shared with GSM Innovations Pty Ltd in connection with your use of the Products and the Zimi app is made available to us. Please refer to our Privacy Policy for more information on how we collect and handle your personal information at: <https://www.steel-line.com.au/privacy-policy/>. BX Bunka Australia Pty Ltd, ABN: 74 124 163 793, trading as Steel-Line Garage Doors.

Steel-Line Garage Doors.

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