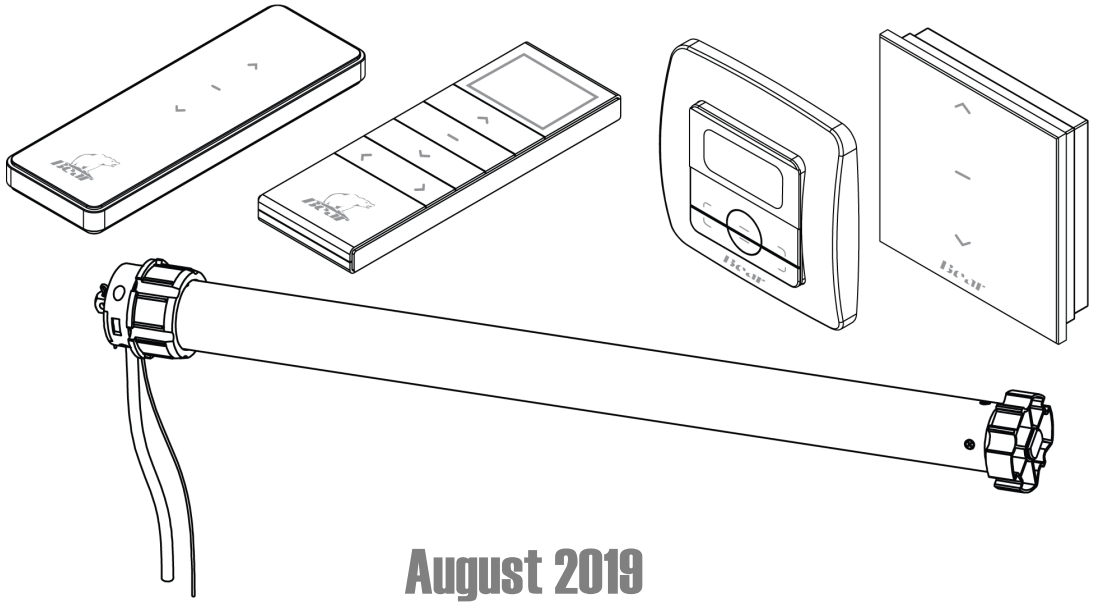
AUSTRALIAN AWNING GROUP

Australian Awning Group
P.O. Box 8188
Carrum Downs VIC 3201
22 Concord Crescent
Carrum Downs VIC 3201
Ph: 1300 79 10 10
Fax: 1300 79 30 30
sales.team@ausawning.com.au

Bear
Blind & Awning Automation

Programming Guide



August 2019

IMPORTANT - PLEASE NOTE:

All Bear awning motors require isolation during installation and for subsequent servicing. It is highly recommended that each awning is fitted with a 3-pin plug and connected to an external GPO or similar accessible isolation point. Hard wiring is to be avoided where possible.

Australian Awning Group
P.O. Box 8188
Carrum Downs VIC 3201
22 Concord Crescent
Carrum Downs VIC 3201
Ph: 1300 79 10 10
Fax: 1300 79 30 30
sales.team@ausawning.com.au

TABLE OF CONTENTS **PAGE #**

1.0 Scope:

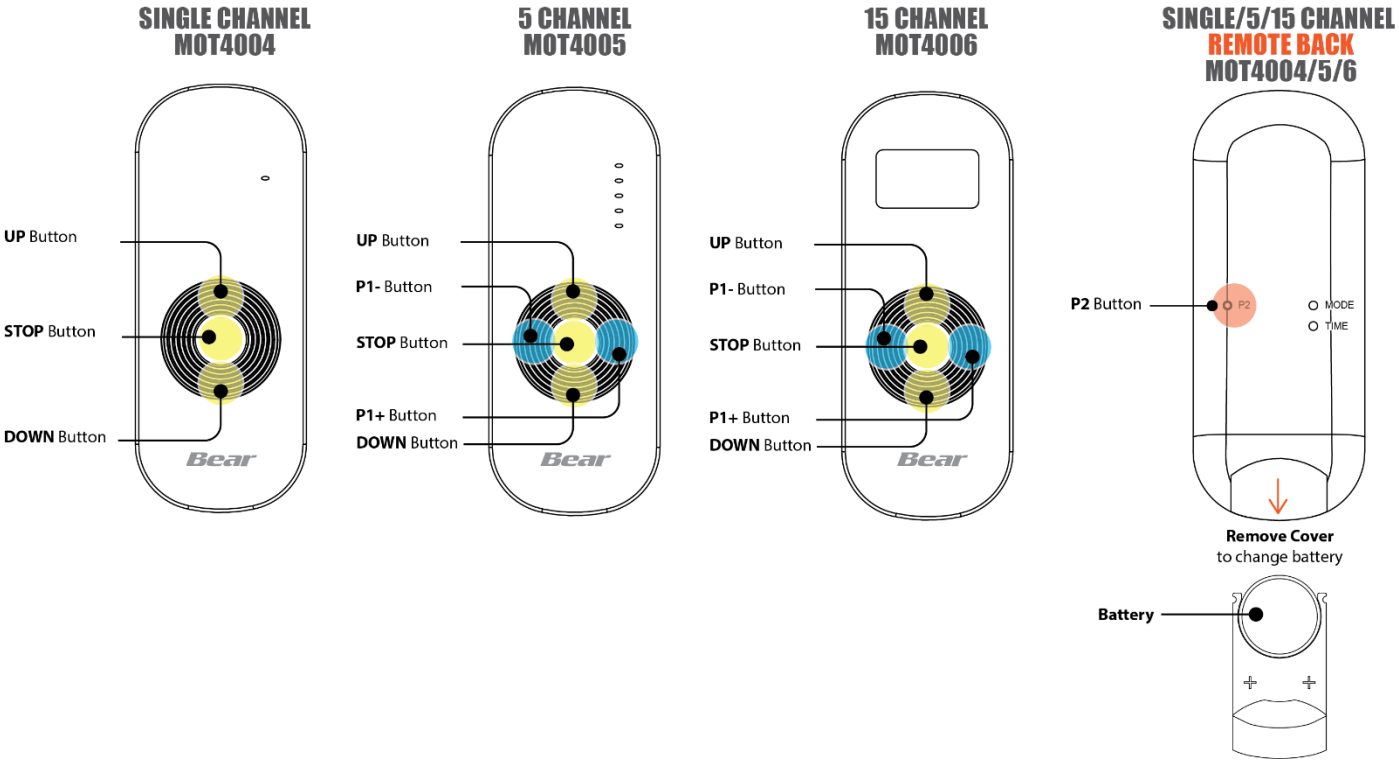
This specification relates to the Bear Motors and their respective accessories to provide operation remotely. The following pages provide images and flow charts to aid in setting up various requirements for Bear Remotes, RTS Wall Switches, Solar Sun & Wind Sensor, Motion Sensor and Connector Hub.

2.0 General Specifications:

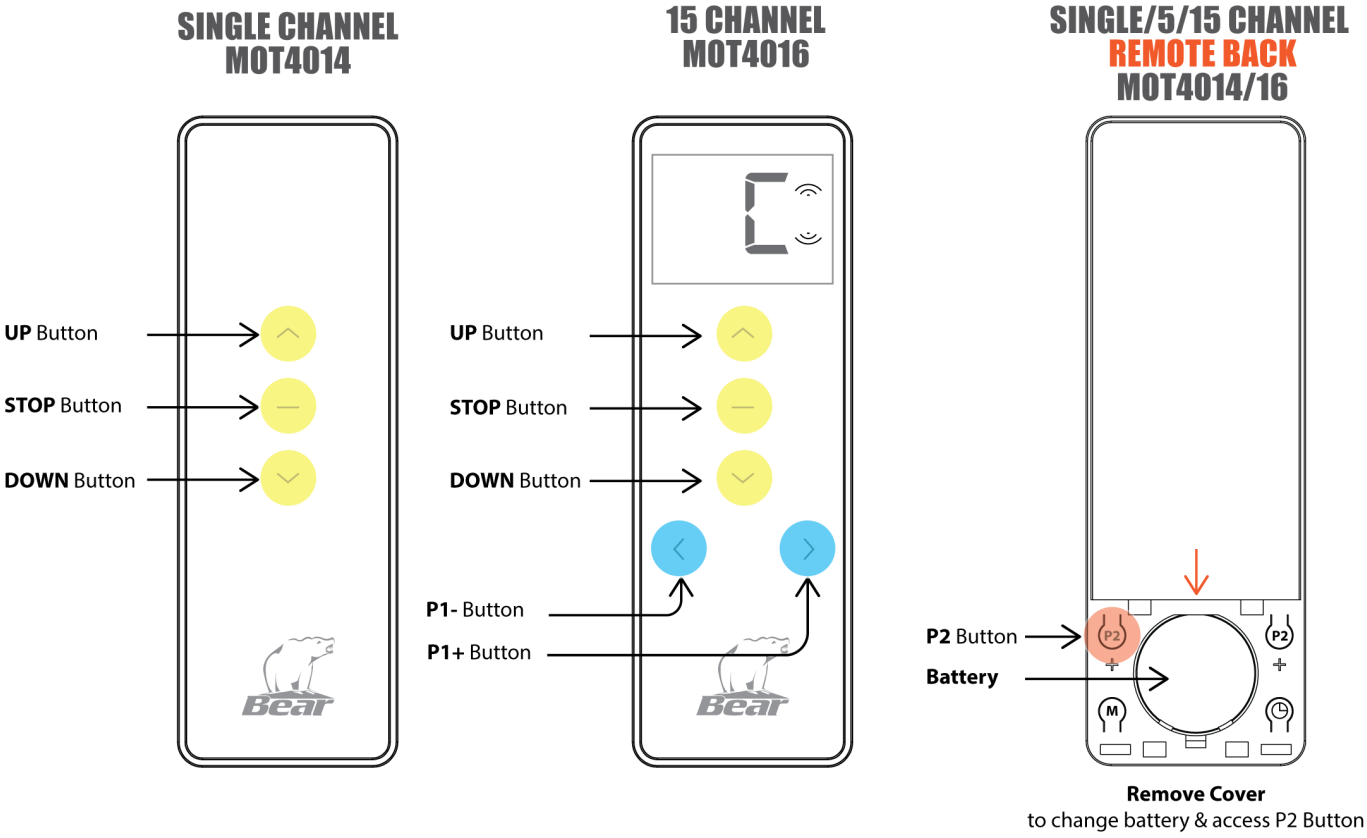
Code	Description	Application
MOT4001	Bear 20/26 RTS Motor	Suits awning type- eZip, Vertishade, Straight Drop
MOT4002	Bear 40/15 RTS Manual Override Motor	Suits FAA up to 6 metre width
MOT4003	Bear 80/15 RTS Motor	Suits FAA over 6 metre width
MOT4004	Bear 1 Channel Remote	Suits single awning
MOT4014	Bear 1 Channel Remote (2016)	Suits single awning
MOT4024	Bear 1 Channel Remote (2018)	Suits single awning
MOT4006	Bear 15 Channel Remote	Suits multiple awnings up to 15 (can be operated individually or altogether
MOT4016	Bear 15 Channel Remote (2016)	Suits multiple awnings up to 15 (can be operated individually or altogether
MOT4026	Bear 15 Channel Remote (2018)	Suits multiple awnings up to 15 (can be operated individually or altogether
MOT4007	Bear RTS Wall Switch 1 Channel	Wall mounted suits single awning
MOT4017	Bear RTS Wall Switch 1 Channel (2016)	Wall mounted suits single awning
MOT4009	Bear RTS Wall Switch 15 Channel (2016)	Wall mounted suits multiple awnings up to 15 (can be operated individually or altogether
MOT4029	Bear RTS Wall Switch 15 Channel (2018)	Wall mounted suits multiple awnings up to 15 (can be operated individually or altogether
MOT4008	Bear Sun & Wind Sensor	Solar Powered, programmed via remote
MOT4018	Bear Motion Sensor	Suits FAA, battery powered RTS
MOT4058	Bear Connector Hub	Awning control via APP, 2.4GHz Wifi required

3.0 Remote Configurations: The images below demonstrate where the important function buttons are for each style of remote. Including Up/Down/Stop/P1/P2.

OLD STYLE REMOTE (PRE 2016)

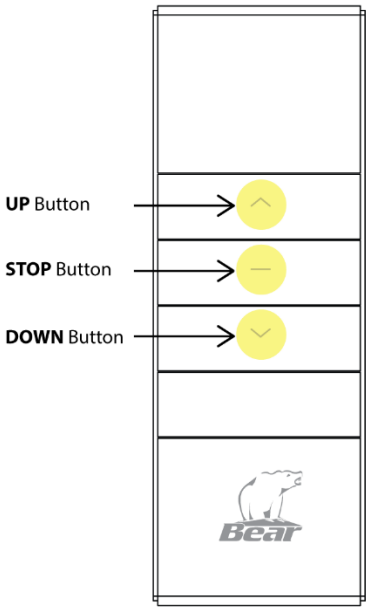


NEW STYLE REMOTE 2016

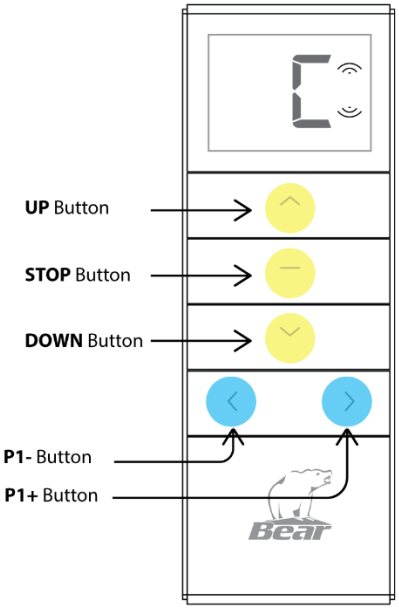


NEW STYLE REMOTE 2018

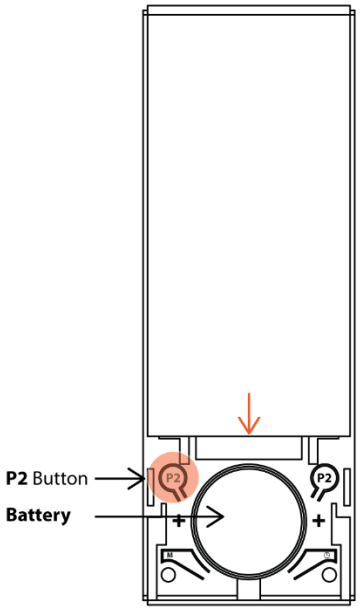
SINGLE CHANNEL MOT4024



15 CHANNEL MOT4026



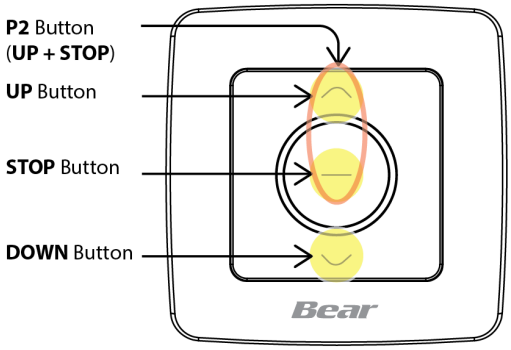
SINGLE/5/15 CHANNEL REMOTE BACK MOT4024/26



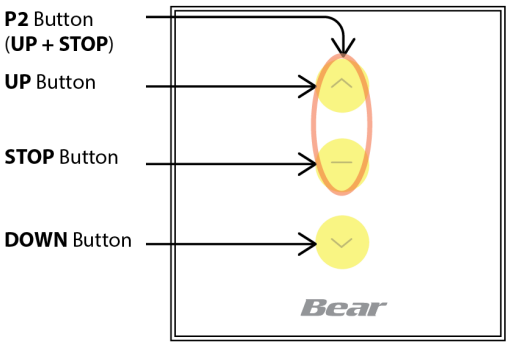
Remove Cover
to change battery & access P2 Button

RTS WALL SWITCHES OLD & NEW STYLE 2016/2018

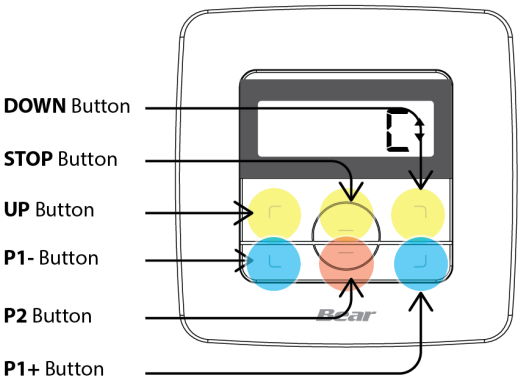
SINGLE CHANNEL MOT4007



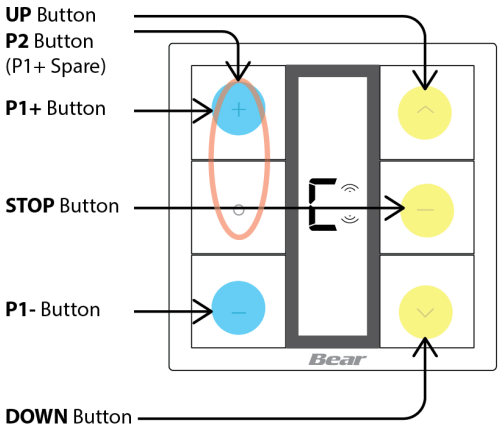
SINGLE CHANNEL MOT4017



15 CHANNEL MOT4009

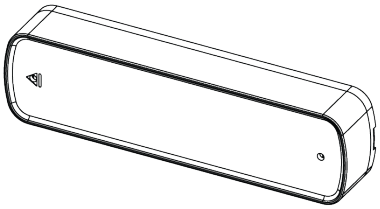


15 CHANNEL MOT4029

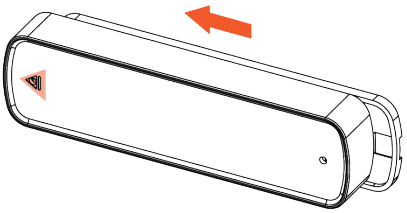


NOTE: All motors are to be wired with individual wall switches. When a new remote, e.g. 15 channel remote, is to be set to the motor that specific motor will need to be powered OFF and ON.

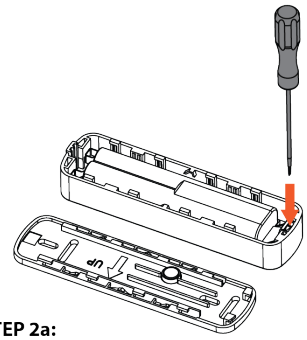
INSTALLATION



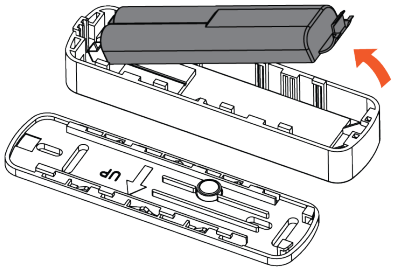
MOTION SENSOR
MOT4018



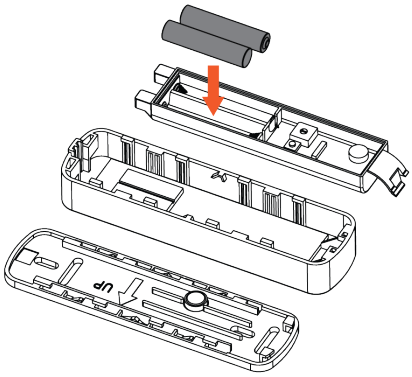
STEP 1:
Open Motion Sensor by sliding the front face in the direction of the arrow.



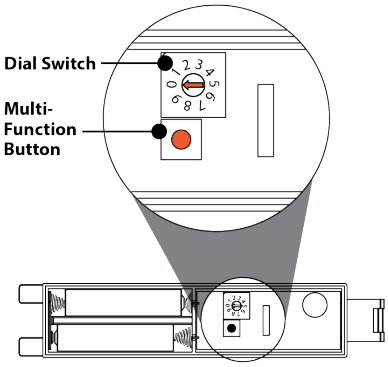
STEP 2a:
Use a screwdriver to lever the inner casing out .



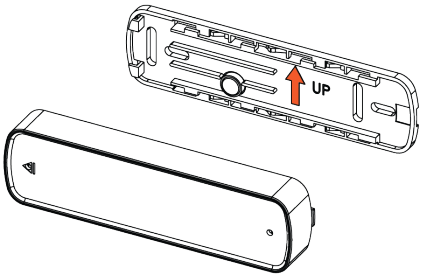
STEP 2b:
Casing lifts up and out.



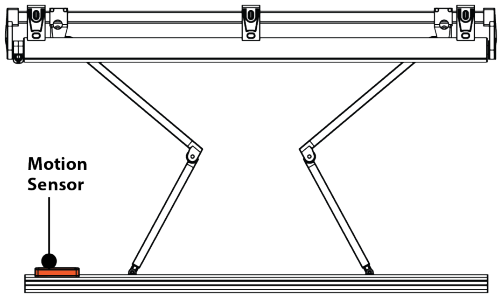
STEP 3:
Install batteries (supplied).



STEP 4:
Access to Multi-Function Button and Dial Switch.
Follow Pairing instructions below.



STEP 5a:
Install Motion Sensor onto FAA front rail using backing plate and screws (supplied).
Use arrow to indicate installation direction.



STEP 5b:
Position Motion Sensor onto the inside outer edge of FAA front rail so when the awning closes the sensor does not interfere with the arms.

PAIRING INSTRUCTIONS

Step 1: Awning power should be **ON**. If remote is multi-channel, select channel and extend awning.

Step 2: Slide Motion Sensor cover off, install batteries and check **Dial Switch** is set to **'0'** (zero).

Step 3: Within **5** seconds press the **Multi-Function** button (sensor will beep once, motor 6 times). On paired remote, press **P2** twice.

Step 4. Rotate Dial Switch to **'5'**. Press Multi-Function button. Awning should **retract**.

Step 5: Rotate Dial Switch to **'9'**. Press Multi-Function button. Awning should **extend.**

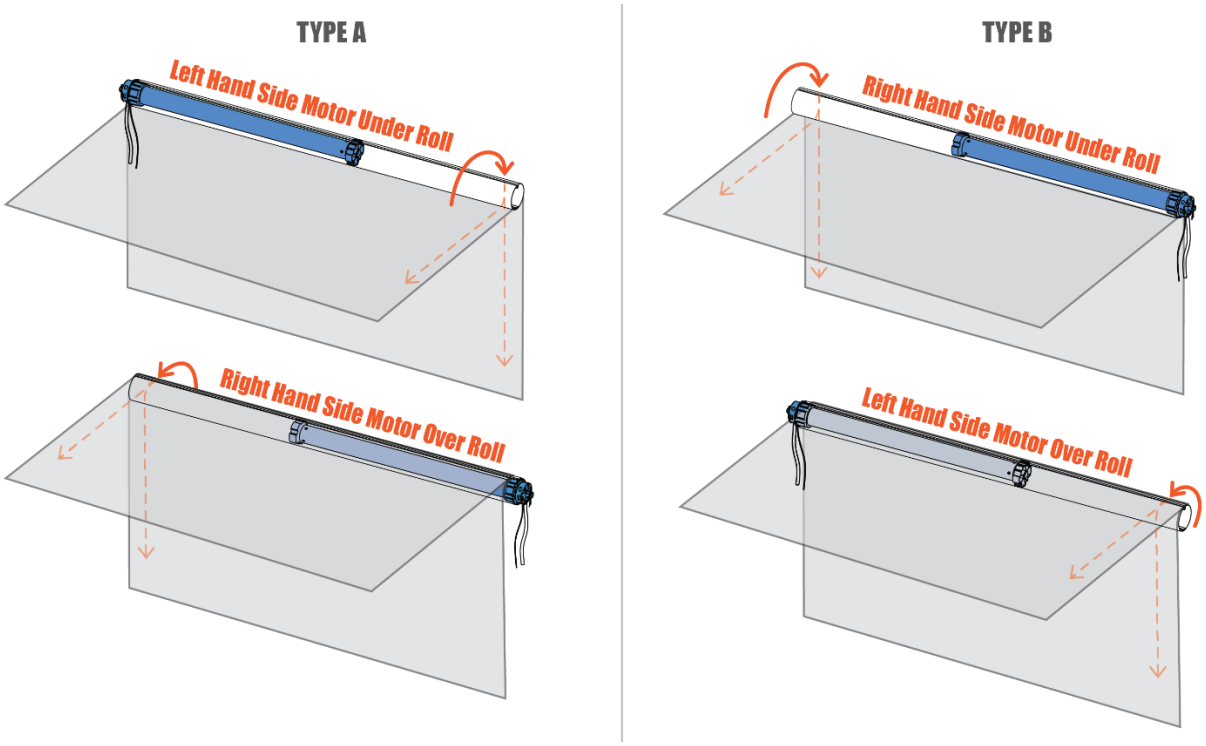
Step 6: Set sensitivity. '1' = Most Sensitive, '9' = Least Sensitive. (Suggest starting with **'2'**).

Step 7: Install sensor backing plate onto inside of the awning front rail. Check **"UP"** arrow direction first.

Step 8: Install sensor to backing plate. *(**NOTE:** awning may retract when clicked into place, so be ready to stop with remote if required).*

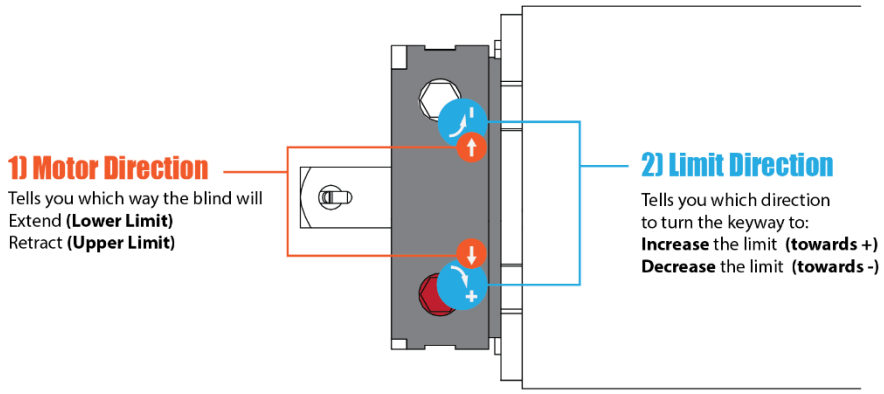
Step 9: Check sensitivity by shaking the awning front rail to simulate wind. Fine tune by adjusting Dial Switch. *(**NOTE:** when triggered, sensor will attempt to retract awning **3x times** within approx. 5 seconds. User can stop with remote. Sensor will become active again after **45** seconds).*

4.0 Blind Types

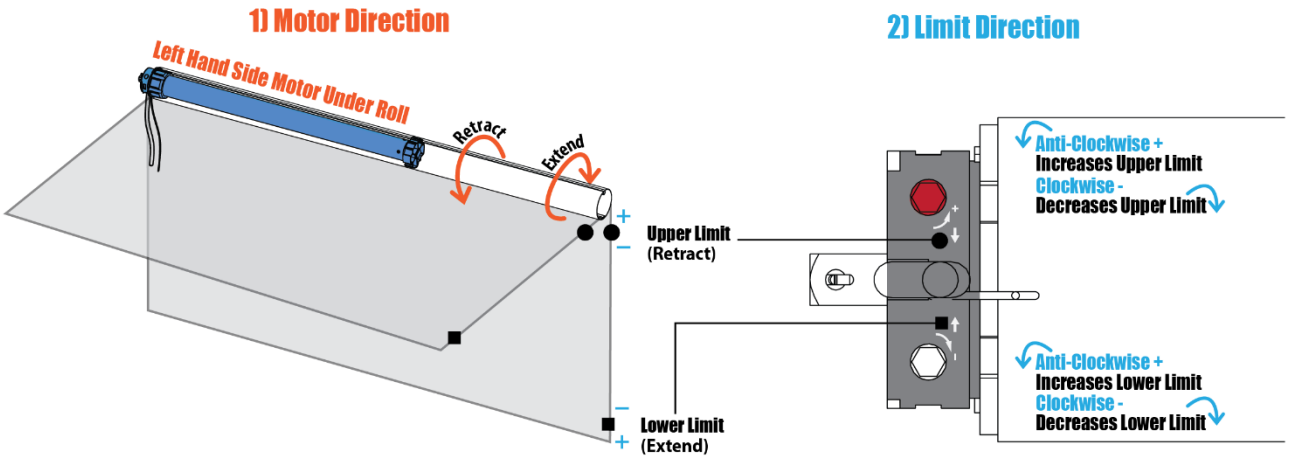


5.0 Set Upper & Lower Blind Limits

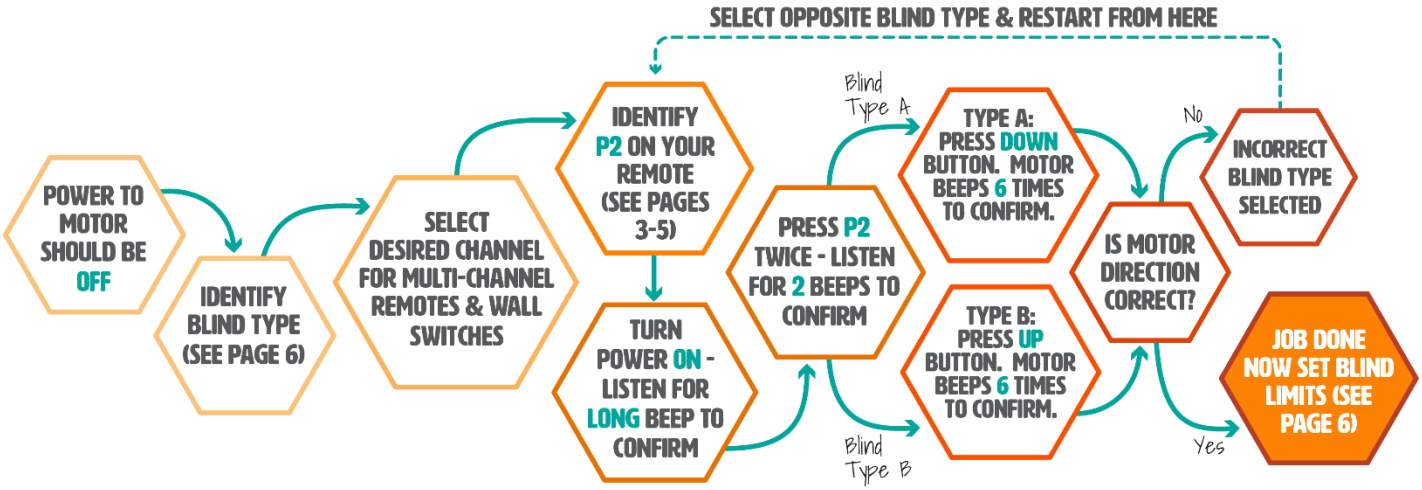
Look at the motor and determine the following:
1) Motor Direction - Upper/Lower Limit
2) Limit Direction - Increase/Decrease



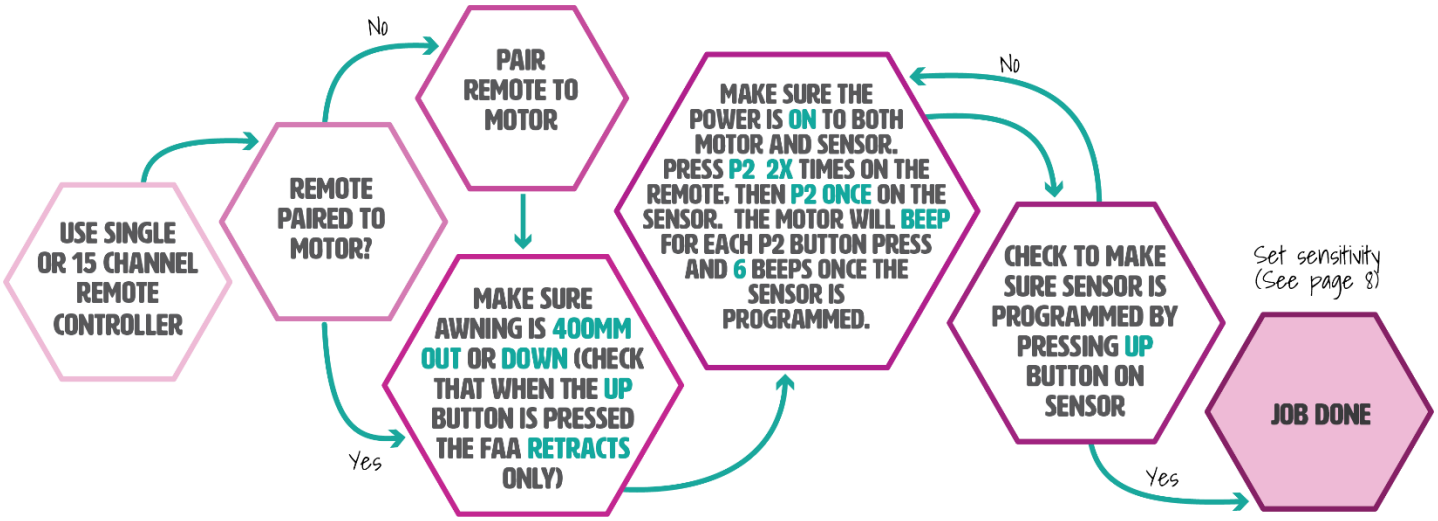
Example:
Left Hand Side Motor Under Roll - Down facing motor cord



6.0 Pair Remote with Motor

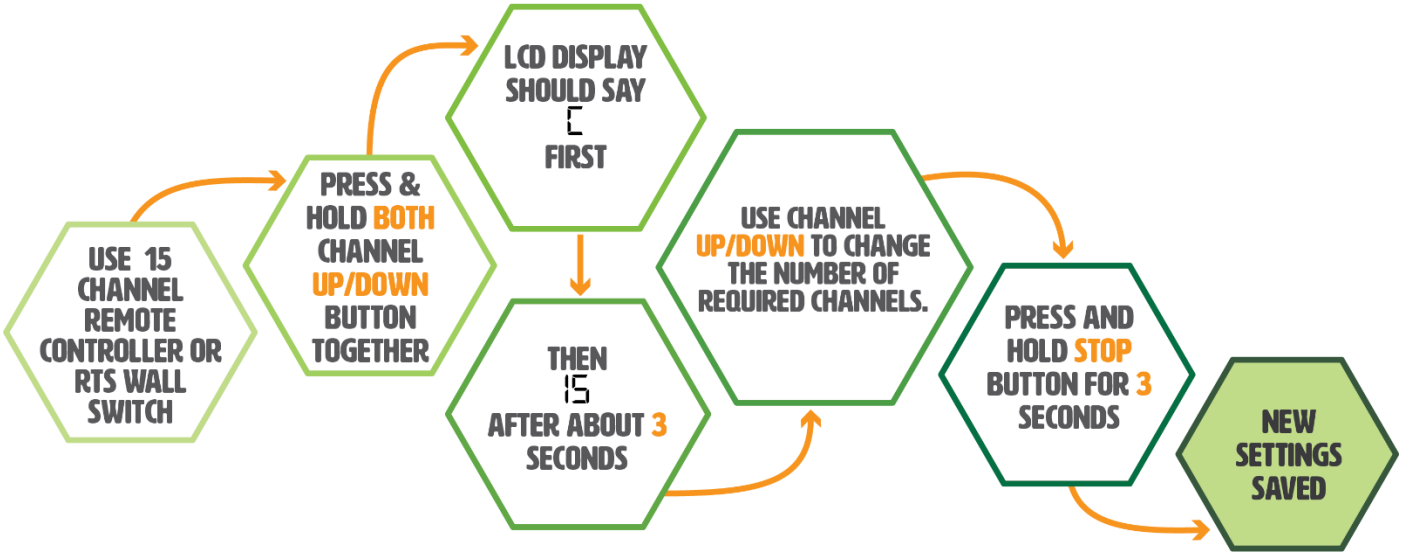


7.0 Set Solar Sun & Wind Sensor

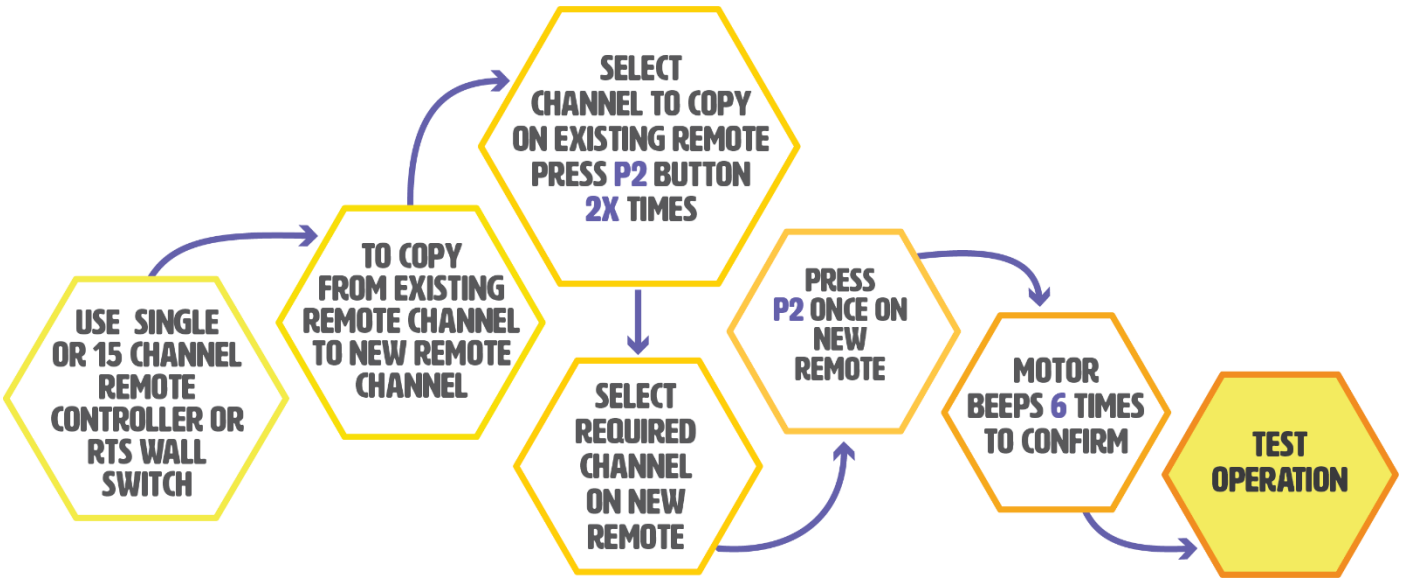


8.0 Set Number of Channels for Remote

(Up to fifteen channels are available on a Multi-Channel Remote. This instruction hides the unused channels. The hidden channels can be shown again by changing the number of channels).



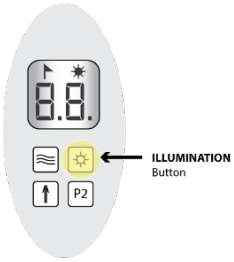
9.0 Adding a Remote/Channel



10.0 Solar Sun & Wind Sensor Settings

10.1 Illumination

It is recommended that this function is disabled. Set to '0' (zero). Awning should not be operating unattended.



View Current Illumination Level
1) Short press the illumination button **3x** times, the illumination symbol on the LCD screen flashes.
2) LCD screen displays the current illumination level.

Setting Illumination Level
1) Long press the illumination button for **3 seconds** to enter the setting.
2) Short press the illumination button, the number cycles from **0 - 4***, select the desired level to **open** the awning.
3) The illumination signal flashes then turns off.

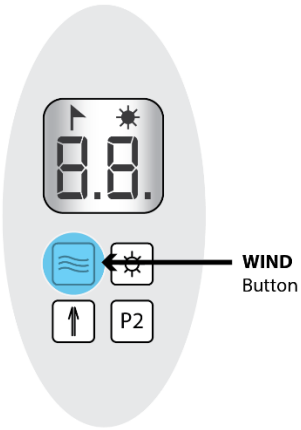
***Illumination Level Reference**

LEVEL	LUX
0	0
1	15,000
2	30,000
3	45,000
4	60,000

NB: At 0 LUX the awning will close

Numerical range: 0 ~ 99k LUX

10.2 Wind



View Current Wind Level
1) Short press the wind button **3x** times, the wind symbol on the LCD screen flashes.
2) LCD screen displays the current wind level.

Setting Wind Level
1) Long press the wind button for **3 seconds** to enter the setting.
2) Short press the wind button, the number cycles from **0 - 3***, select the desired level to **close** the awning.
3) The wind symbol flashes then turns off.

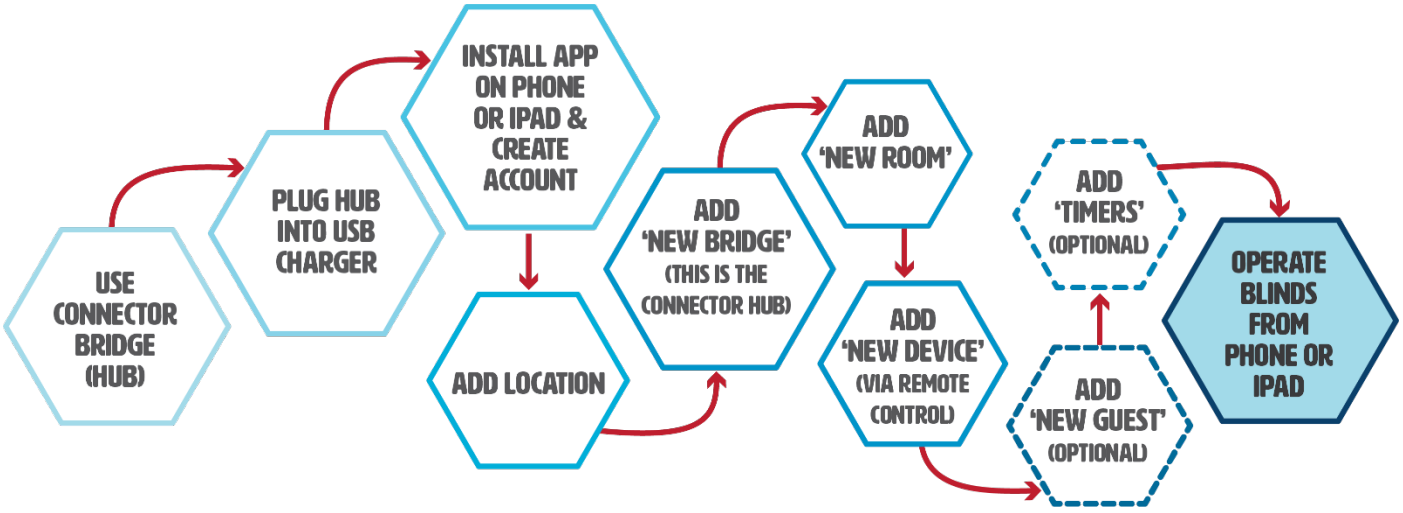
***Illumination Level Reference**

LEVEL	Km/h
0	0
1	15
2	30
3	45

NB: At 0 Km/h the awning will close

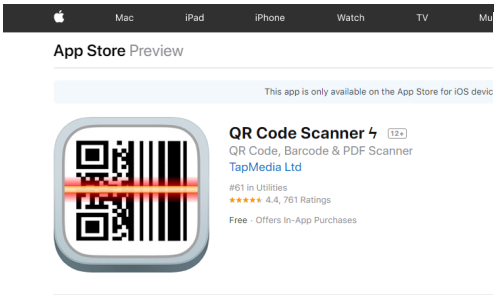
Numerical range: 0 ~ 99Km/h

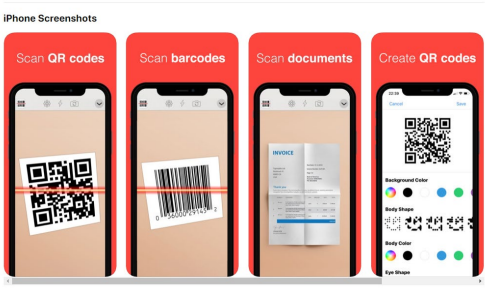
11.0 Adding a Connector Hub (Bridge)



11.1 Plug in Connector Hub (Bridge) to power using a USB Charger (**NOT SUPPLIED**). You can plug into your computer; however, the Hub will not work when the computer is OFF.

11.2 **If you have a QR Reader already installed on your phone, go to step 11.3.** If not, install a **free** QR Reader App on your Phone/iPad (if one is not already installed – find in the Apple App Store or Android Play Store). This app will be able to read the QR Code. **OR** search directly for the App which is called "Connector" – Motor that Talks Back

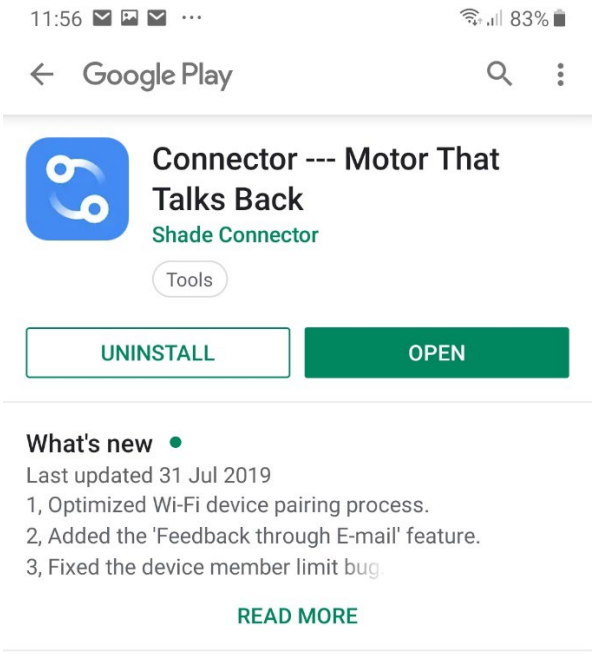




11.3 In the box find the Quick Start Guide and use the QR Reader App to scan the relevant Apple or Android QR Code. This will take you to the App store.

11.3 continued…

Install the Connector App onto your phone/iPad.

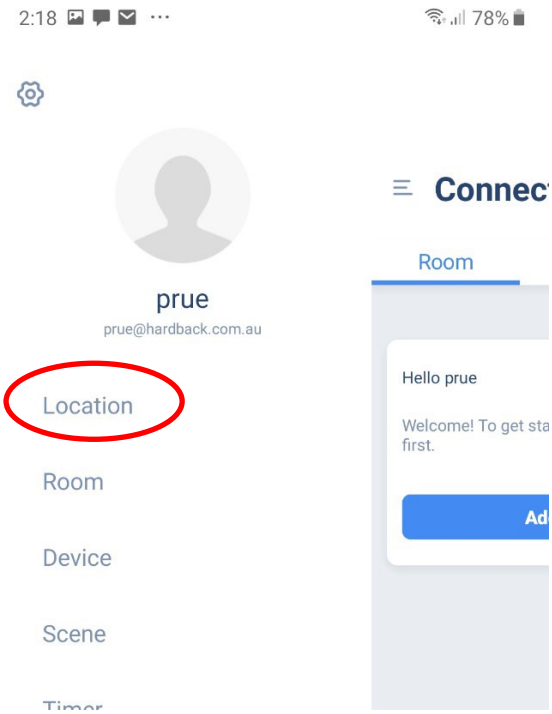


11.4 Now you can scan **Step 2** on the **Quick Start Guide** which will open a link to You Tube with further video instructions or follow the below steps.

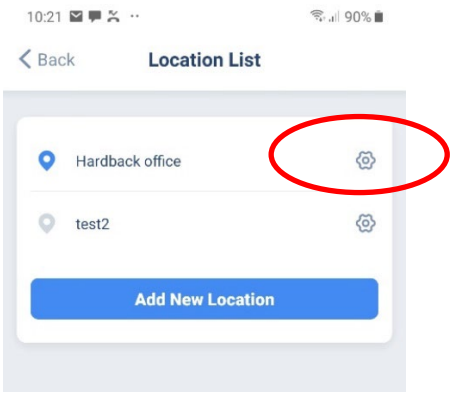
11.4a Create an account

https://www.youtube.com/watch?v=0wSZBWld7KM

11.4b Once signed in go to the Connector app go to Location and add a name

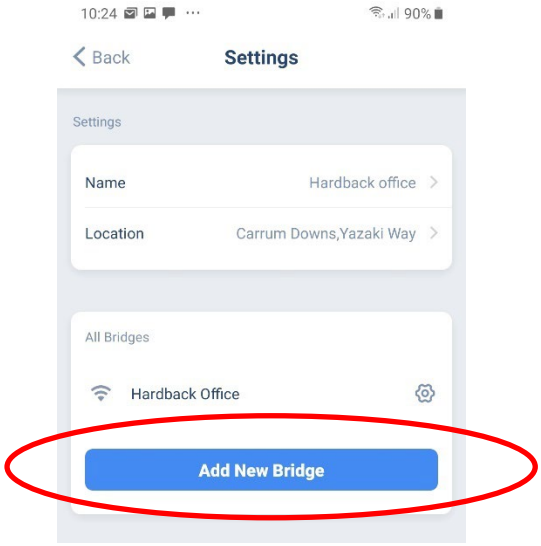


11.4c Go to Settings



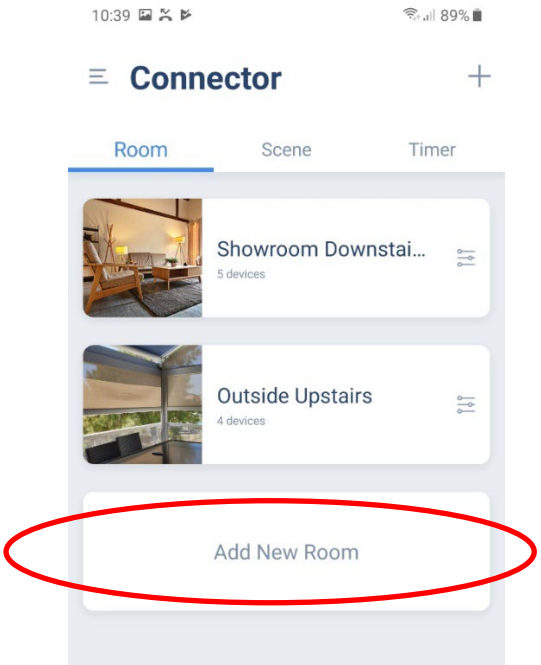
11.4d Add **New Bridge** and follow the steps on the phone (**WIFI must be 2.4GHz**).

https://www.youtube.com/watch?v=60m9yYJBZxM



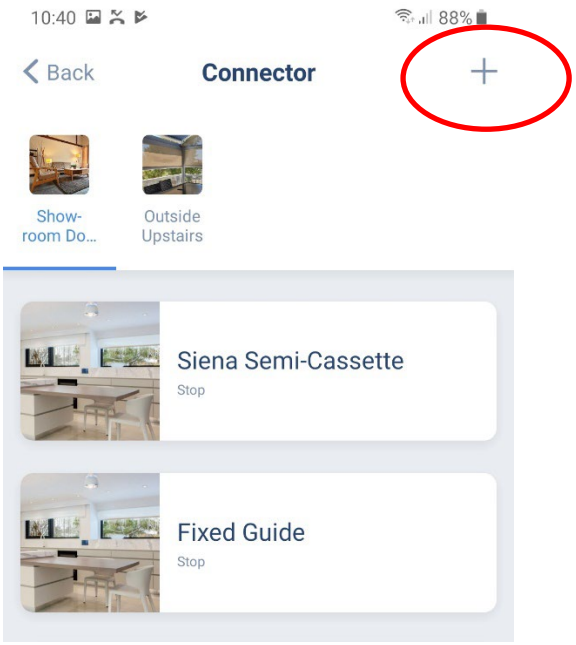
11.4e Once you have connected the hub you can start to **Add New Room**.

https://www.youtube.com/watch?v=w9FidZbFs4A

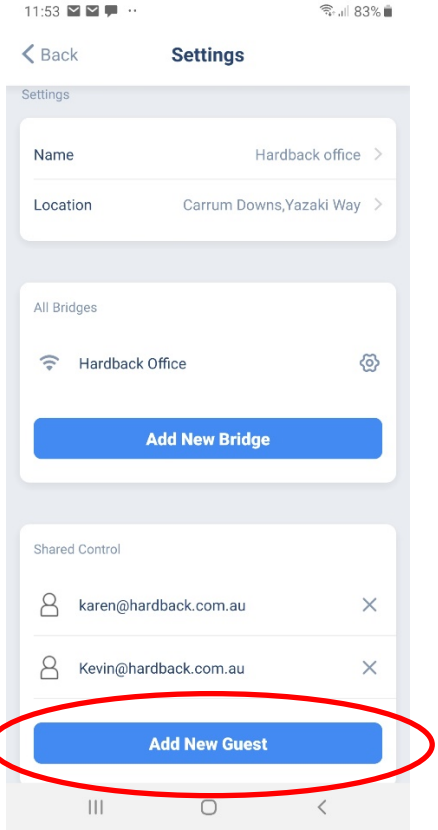


11.4f Add **New Device** via Remote into your chosen room

https://www.youtube.com/watch?v=mdxx8mYC60c



11.4g Click on the added Device and you can now **Open** and **Close** the blind via your phone.
Share the settings on your phone with other people, by going to Location/Settings and "Add New Guest". The person you wish to share with also needs to install the Connector App and create an account.



11.4h You can also add **Timers** to open/close the blind at select times of the day/night.

11.4i You can also connect with **Google Assistant** https://www.youtube.com/watch?v=ReInHRGYtoE
Google Home https://www.youtube.com/watch?v=42AWeNGXPGo
Amazon Alexa (https://www.youtube.com/watch?v=R-mfXrCeKhY
Siri https://www.youtube.com/watch?v=T4wuwZVYUxQ