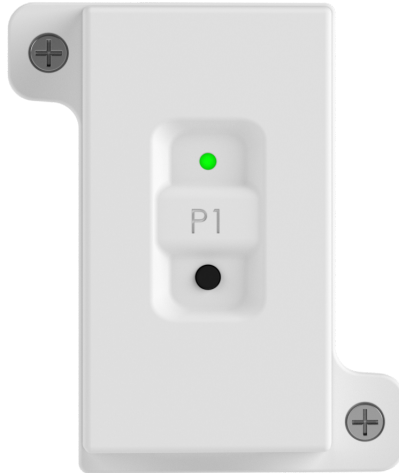


External Wired RF Receiver



Automate Radio
Communication



Wireless Control
Integration



Sensor
Integration



Compatible Product
Ecosystem



One-Button
Pairing



Simplified
Wiring

Compatible with the 4 Channel Motor Controller

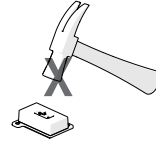
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1. Safety Instructions

WARNING: Important safety instructions to be read before installation.

Incorrect installation can lead to serious injury and will void manufacturer's liability and warranty.



WARNING: Important safety instructions to be read before installation and use.

- Read and follow all installation and safety instructions.
- This manual is also available on the website.
- Do not expose to water, moisture, humid and damp environments or extreme temperatures.
- Use or modification outside the scope of this instruction manual will void warranty.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved. Children should not play with the appliance. Cleaning and user maintenance should not be performed by children without supervision.
- Do not allow children to play with fixed controls. Keep appliance and remote controls away from children.
- Assembly, installation and programming must be performed by a suitably qualified installer.
- For use with motorized shading devices.
- Frequently inspect the installation for improper operation, signs of wear, imbalance or damage to cables or springs. Do not use if repair or adjustment is necessary.
- The appliance is for indoor use only.
- There are no user serviceable parts or batteries inside the appliance.
- Remote batteries should be replaced with the correctly specified type only.
- Fixed controls have to be clearly visible after installation.
- Before installing the appliance, remove any unnecessary cords or components and disable any equipment not needed for powered operation.

2. Compliance Statement

This device complies with Part 15 of the FCC Rules / Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



Do not dispose of in general waste. Please recycle batteries and damaged electrical products appropriately.

CAN ICES-3(B)/NMB-3(B)

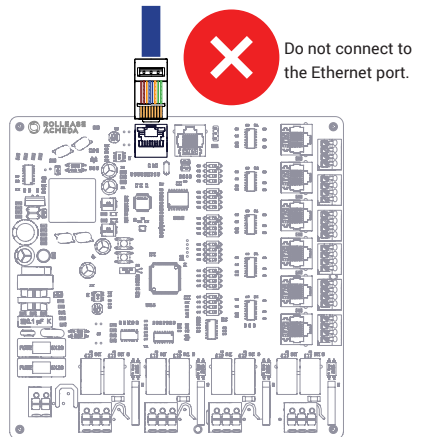
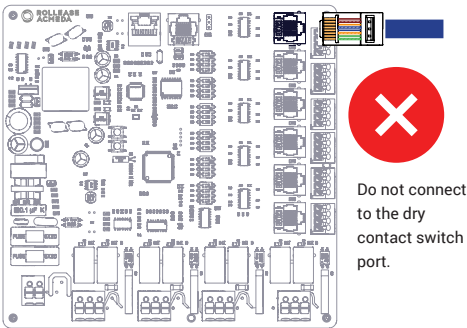
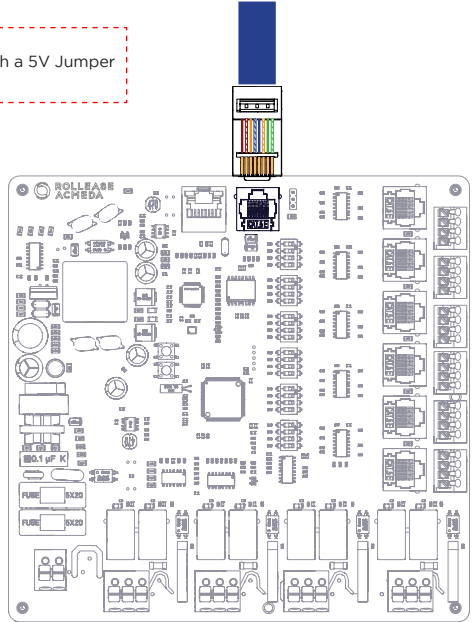
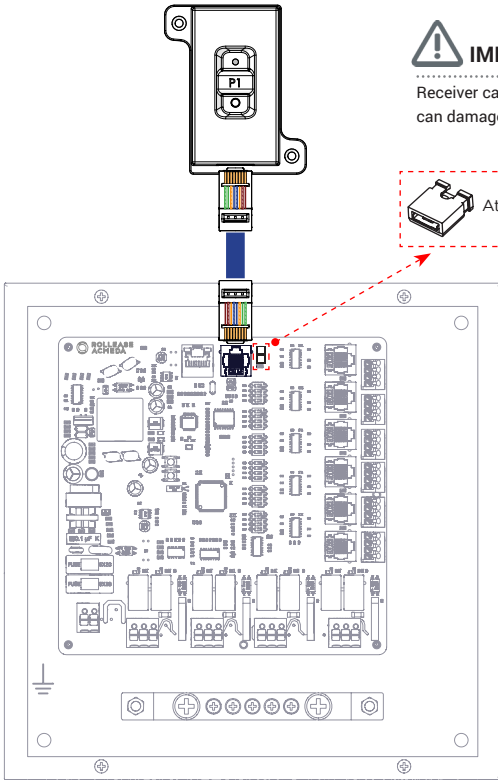


3. Wiring

3.1 Correct Port

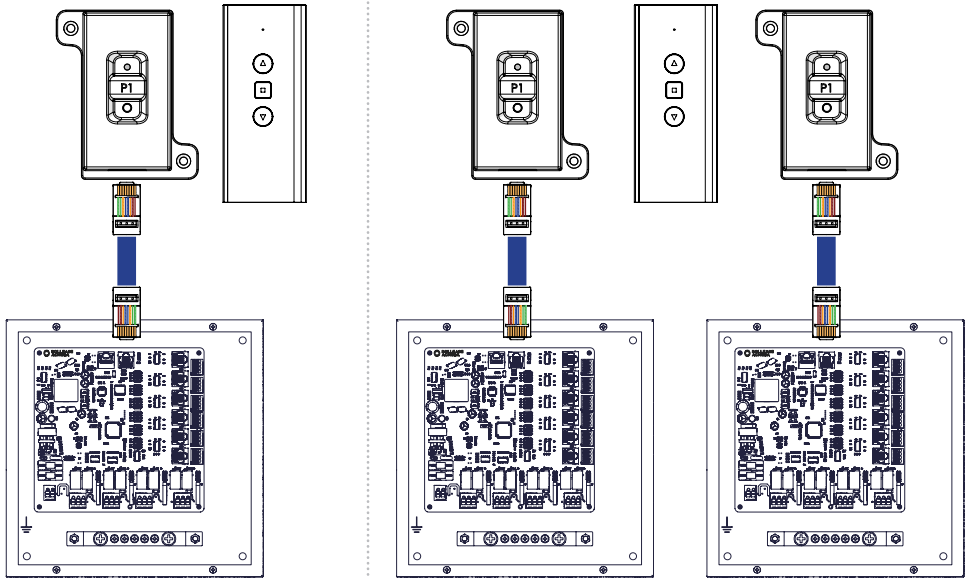
⚠ IMPORTANT

Receiver can only be plugged into the RS485 Port, failure to do so can damage the device.



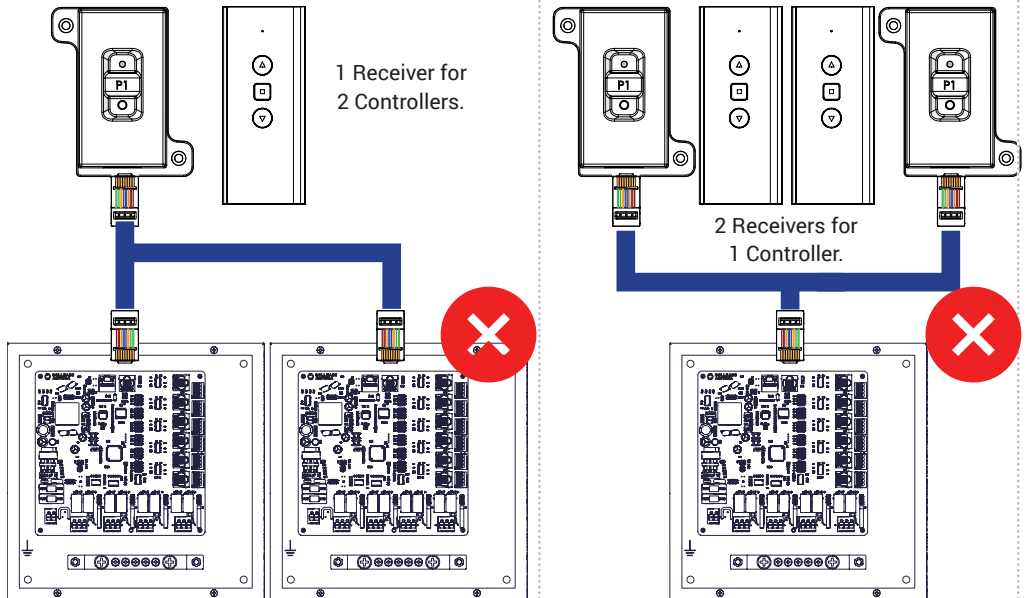
3. Wiring (Continued)

3.2 Wiring (Correct)



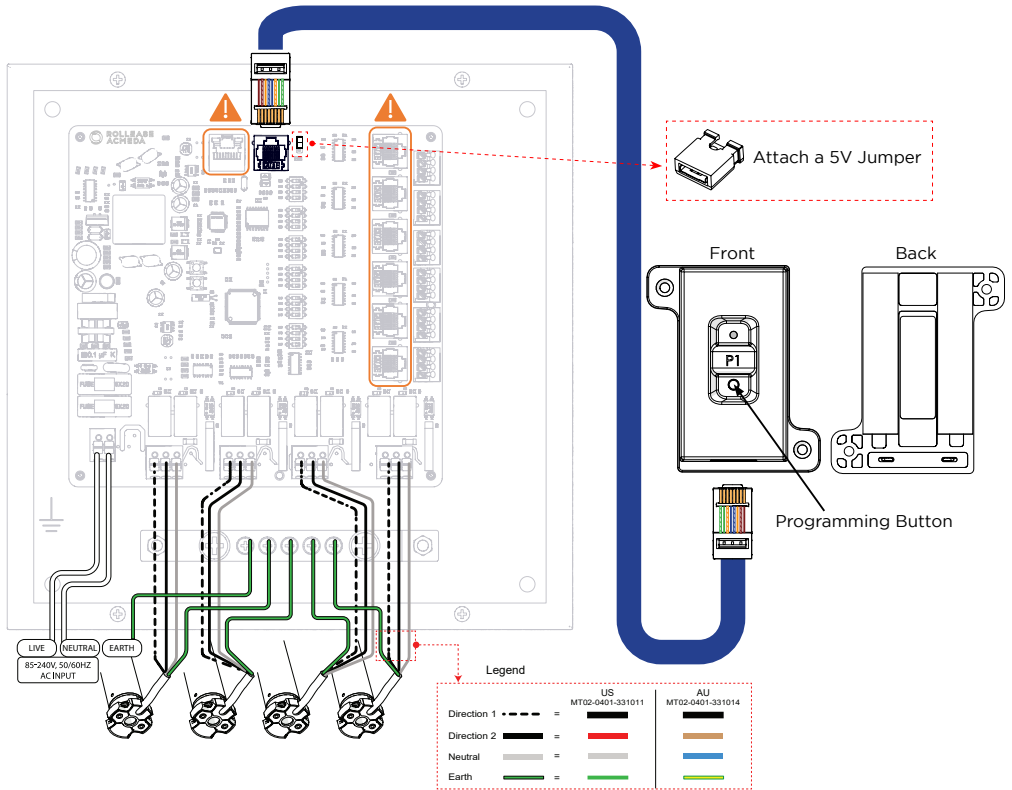
3.3 Wiring (Incorrect)

The configurations below will not work with The External Wired RF Receiver



3. Wiring (Continued)

3.4 Wiring Diagram



RS485

| Pin no. | Pinout Definition | T568A Color | T568B Color | Pins of plug face |
|---------|-------------------|-------------|-------------|-------------------|
| 1 | 5V+ | | | |
| 2 | RESERVED | | | |
| 3 | RESERVED | | | |
| 4 | + RS485 | | | |
| 5 | - RS485 | | | |
| 6 | RESERVED | | | |
| 7 | RESERVED | | | |
| 8 | Ground | | | |

Max cable length 100m



WARNING

Receiver can only be plugged into the RS485 Port, failure to do so can damage the device.

4CH Controller Setup

Scan the QR code below to view the User Manual and setup instructions.



AU

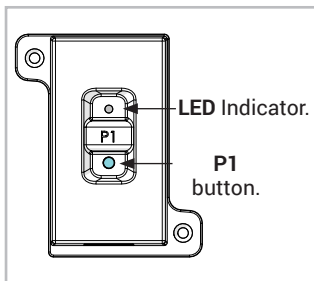


US

4. P1 Button Functions & LED Status

4.1 Receiver Configuration Options

The P1 Button is utilized to administer Receiver configurations as described below.



| LED Color | Status |
|-------------------|---------------------------------------|
| Solid Green | Receiver is in Functional Mode |
| Solid Red | Error |
| Blinking Orange | Pairing Mode |
| Green briefly off | ARC message received |
| LED Off | Receiver is in Sleep Mode or no power |

Pairing Remote with Motor

Hold P1 button on Receiver.

Red LED flash

Approx. 2 SECS

● ——— | RELEASE P1

Motor Response



Receiver Response

Orange LED flash*

Unpairing Remote with Motor

Hold P1 button on Receiver.

Red LED flash

Approx. 2 SECS

● ——— | RELEASE P1

Motor Response



Receiver Response

Orange LED flash*



* Number of orange flashes corresponds to the channel number (1-4) e.g. channel 2. (2 orange flashes)

Sleep Mode

Hold P1 button on Receiver.

Red LED flash

Red LED flash

Approx. 2 SECS

Approx. 6 SECS

● ——— | RELEASE P1

Receiver Response

LED off.

Exit Sleep Mode

Press P1 button on Receiver.

Receiver Response

Green LED Solid

Reset to Factory Settings

Red LED flash

Red LED flash

Red LED flash

Red LED flash

Approx. 2 SECS

Approx. 6 SECS

Approx. 10 SECS

Approx. 14 SECS

● ——— | RELEASE P1



NOTE

Release of the P1 button on 10s will also put the receiver into Sleep Mode.

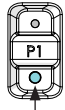
5. Initial Set Up

5.1 Pair Motor with Remote

Select channel on Remote.



Hold P1 button on Receiver.



P1 button.

Red LED flash 


Approx. 

 RELEASE P1

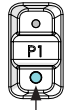
Motor Response



Receiver Response

Orange LED flash* 

Short Press P1 button on Receiver to change motor.



P1 button.

Receiver Response

Orange LED flash* 

Hold STOP on Remote.



Receiver enters functional mode

Approx. 

Motor Response



Action Successful

Green LED flash  x3

Test motor function with Remote.



IMPORTANT

Consult 4 Channel Motor Controller Programming Guide for information on selecting channel.

NOTE

* Number of orange flashes corresponds to the channel number (1-4) e.g. channel 2 (2 orange flashes)

5.2 Check and Confirm Motor Limit

IMPORTANT

You MUST set limits on ML motors first, before you run the calibration of your shades, otherwise a damage may occur to your fabric or shade.

5. Initial Set Up (Continued)

5.3 Calibrate your Motors

To find calibration limits, hold both **UP** and **DOWN**. Until all motors respond.



Motor Response

Approx. 6 SECS

All motors move to
Bottom Limit then Top Limit.

5.4 Unpair Motor with Remote

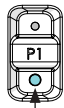
Select channel on
Remote.

Hold P1 button on
Receiver.

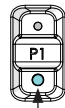
Short Press P1 button
on Receiver to change
motor.

Hold **STOP** on
Remote.

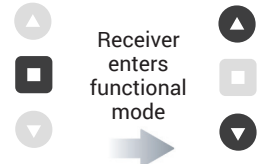
Test motor no
longer responds
to remote.



P1
button.



P1
button.



Receiver
enters
functional
mode



IMPORTANT

Consult user
manual for
your Remote
for information
on selecting
channel.

Red LED
flash

Approx. 2 SECS

RELEASE P1

Motor Response



Receiver Response

Orange LED
flash*

Receiver Response

Orange LED
flash*

Approx. 2 SECS

Motor Response



Action Successful

Red LED
flash x3



NOTE

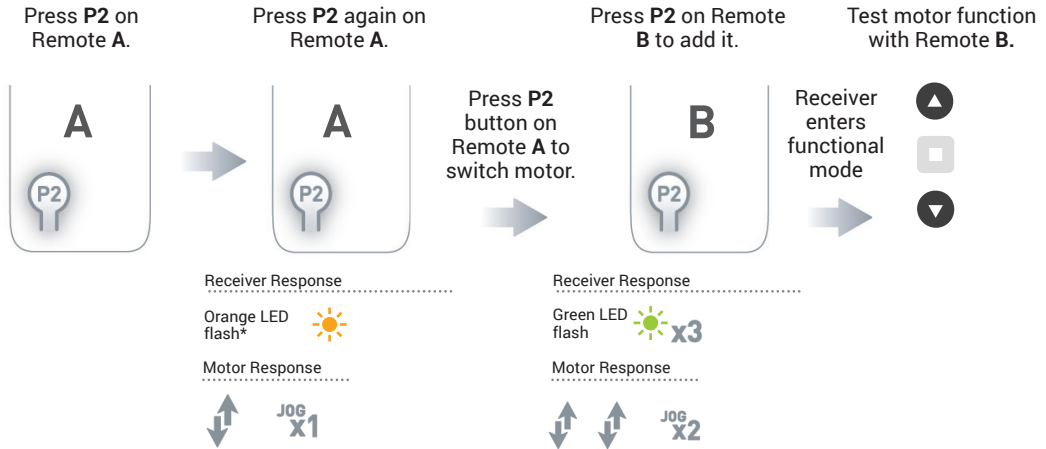
* Number of orange flashes corresponds to the channel number (1-4) e.g. channel 2 (2 orange flashes)


6. Controllers and Channels

6.1 Using P2 Button on Existing Remote to add a New Remote or Channel

A (Remote) = Existing remote or channel that is paired to the motor.

B (Remote) = Remote or channel to add.



 **IMPORTANT** Consult programming guide for your Remote.

 **NOTE**

* Number of orange flashes corresponds to the channel number (1-4) e.g. channel 2 (2 orange flashes)

 **NOTE**

Repeating this section with an existing Remote (A) and a paired Remote (B) will unpair the Remote (B) from the motor.

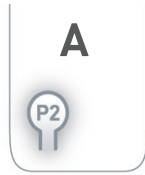
6.2 Using P2 Button on Existing Remote to Unpair a Remote or Channel

Press **P2** on Remote **A**.

Press **P2** again on Remote **A**.

Hold **P2** on Remote **B** to add it.

Test motor function with Remote **B**.




P2 button on Remote **A** to switch motor.



Receiver enters functional mode.



Receiver Response

Orange LED flash* 

Motor Response



Receiver Response

Green LED flash  x3

Motor Response



7. Favorite Positioning

7.1 Send Shade to Preset Position 1



Approx.  2 SECS



NOTE

Preset Position 1 is configured via the 4 Channel Motor Controller. Refer to the 4 Channel Motor Controller to set a preset position.

8. Troubleshooting

| Red LED Indicators | Cause | Remedy |
|-----------------------|------------------|---|
| SOLID Red on start up | Start up failure | Device will automatically restart every 30 seconds. If issue persists unplug receiver and plug back in. |
| Error Codes | Cause | Remedy |
| 4X Long Blink | RS485 error | No Action |
| 6X Long Blink | ARC error | |
| 10X Fast Flash | Other error | |

9. Notes

A large rectangular area with a dotted border, intended for handwritten notes.

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