Upgrade to the industry's most advanced Motor Program:

Motorization features 2-way technology with superior value

and innovation paired with a smart, seemless user interface.

RF 2W 15 Channel Remote Control

Programming Guide

Specifications

- Up to 15 channels with 3V (CR2450) battery, magnetic holder included

- Channel 0 controls all shades assigned to remote; ability to hide extra channels

- Favorite position activated by quick touch of a button

- Locking feature prevent unwanted configuration changes

™ Motorization Table of Contents

Declarations

U.S. Radio Frequency FCC Compliance

This device complies with Part 15 of the FCC Rules. 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.

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.

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

ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'ISED 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.
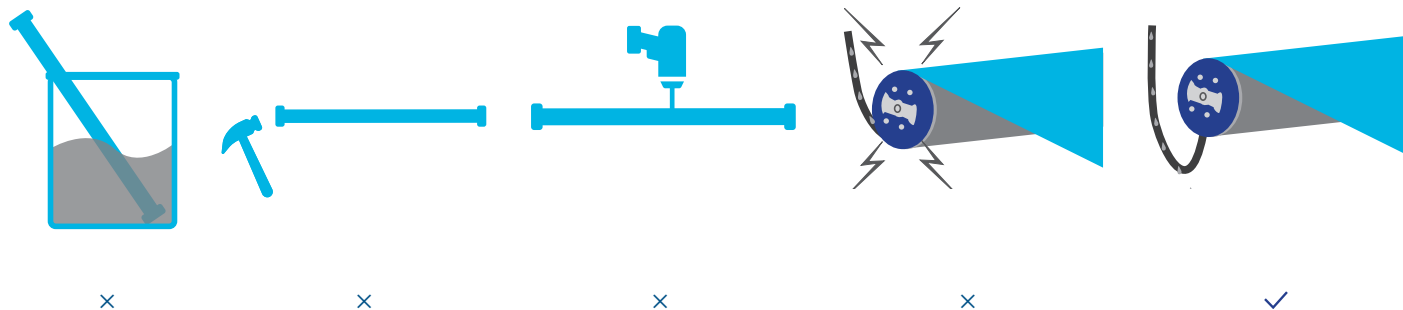
Safety Instructions

Attention

Never drop, knock, drill or submerge the motor. Keep the power cable in the proper position as shown below.

Read all safety instructions before installation.

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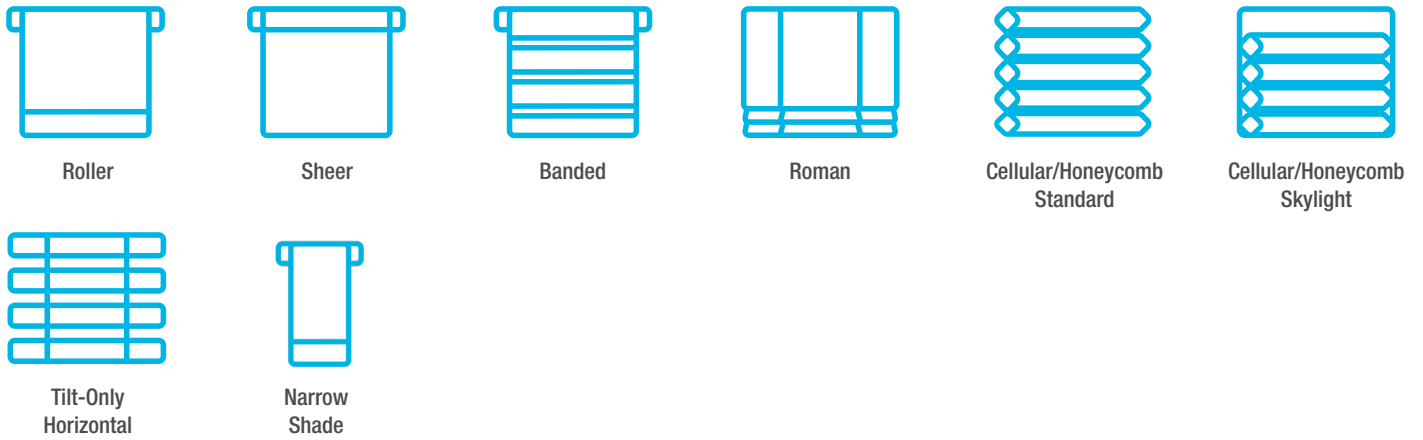
Important Safety Instructions

1. Do not expose motor to humid, damp, or extreme temperature conditions.
2. Do not drill into motor.
3. Do not cut the antenna. Keep it clear from metal objects.
4. Do not allow children to play with this device.
5. If the power cable or connector is damaged, do not use.
6. Ensure the correct crown and drive adaptor are used.
7. Ensure the power cable and aerial is clear and protected from moving parts.
8. Cable routed through walls should be properly isolated.
9. Motor is to be mounted in horizontal position only.
10. Before installation, remove unnecessary cords and disable equipment not needed for powered operation.
11. Installation and programming should be performed by a qualified professional. Use or modification outside the scope of these instructions may void warranty.

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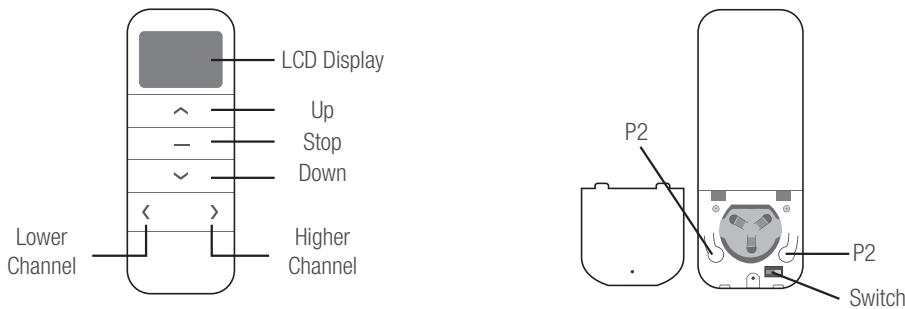Please recycle batteries and damaged electrical products appropriately.
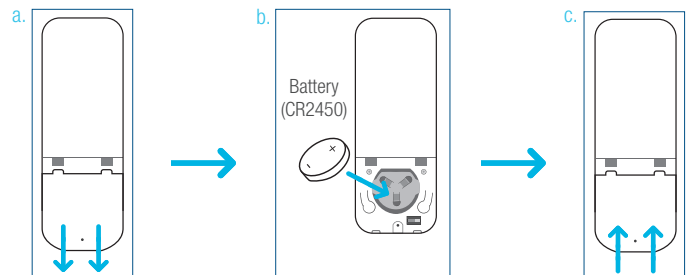
1. Fields of Application

Roller	Sheer	Banded	Roman	Cellular/Honeycomb Standard	Cellular/Honeycomb Skylight

Tilt-Only Horizontal   Narrow Shade

2. Specification

Voltage	3V (CR2450)
Radio Frequency	433.92 MHz Bi-directional
Transmitting Power	10 milliwatt
Operating Temperature	14°F to 122°F (-10°C to 50°C)
RF Modulation	FSK
Lock Function	Yes
IP Rating	IP20
Transmission Distance	up to 200m (outdoor)

3. Remote Button Instructions

LCD Display
Up
Stop
Down
Lower Channel
Higher Channel

P2
P2
Switch

4. Replace/Install CR2450 Battery

a. Unscrew with the screwdriver then gently press down the cover.

b. Install battery (CR2450) with positive (+) side facing up.

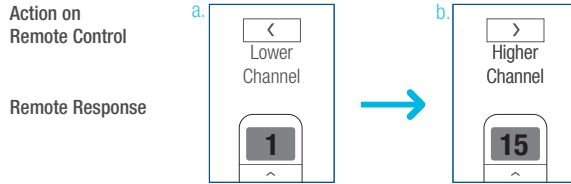c. Gently assemble the cover back and replace screw with screwdriver.
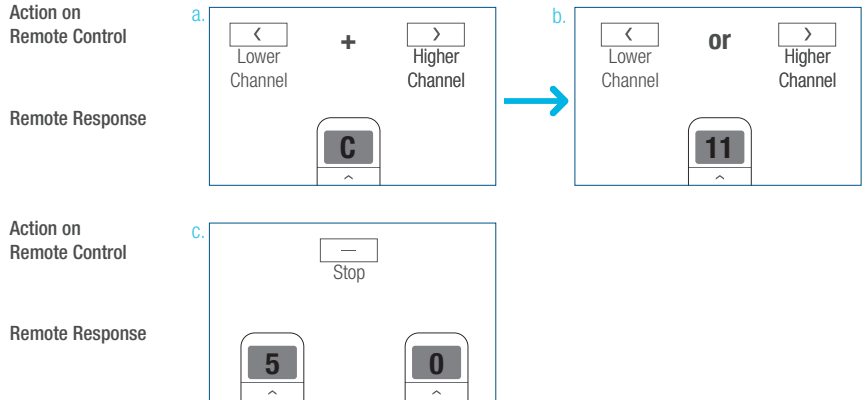
a.

b.
Battery (CR2450)

c.

1. Channel Options

Select A Channel

a. Press **"<"** button on the remote to select a lower channel.

b. Press **">"** button on the remote to select a higher channel.

Action on Remote Control

Remote Response

a.
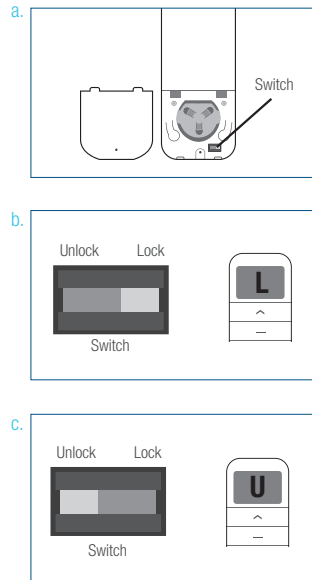   ‹   Lower Channel

1

b.
   ›   Higher Channel

15

Hide Unused Channels

a. Press and Hold (about 3 sec) **"<" and ">"** buttons simultaneously until remote control displays "C" (channel).

b. Press **"<" or ">"** button to select required quantity of channel (between 1 to 15).

c. Press **"Stop"** button to confirm selection (the example shows a 5-channel selection). The LED will display "O" (OK) once to confirm selection.

Action on Remote Control

Remote Response

a.
‹ Lower Channel **+** › Higher Channel

C

b.
‹ Lower Channel **or** › Higher Channel

11

Action on Remote Control

Remote Response

c.
— Stop

5   **0**

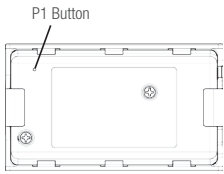## 2. Advanced Setting - Disable Limit Setting

a. Remove the cover from the backside of remote, the lock switch is in the right corner.

b. Move the switch to the **"Lock"** position to disable the following commands, remote will show **"L"** (lock):

  - Change Motor Direction
  - Setting the Upper and Lower Limit
  - Adjust Limit
  - Roller Mode or Sheer Mode

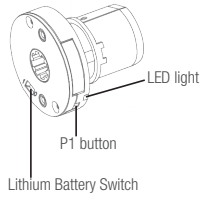c. Move the switch to **"Unlock"** position to assess all remote functions, remote will show **"U"** (unlock).

*This advanced feature is intended to be used after all shade programming is completed. User Mode will prevent accidental or unintended changing of limits.
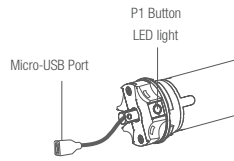
a.
Switch

b.
Unlock   Lock

Switch   **L**

c.
Unlock   Lock

Switch   **U**

P1 Button Instructions

2. P1 Button Location
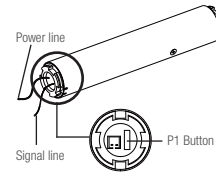

TILT   **25B / 28B / 25BDC**   **35B**   **CEL**

2. P1 Button Instruction

CEL and TILT motors DO NOT BEEP

① Test Motor

Happening as you press for 1 second   when released

Press P1
Less than 1 sec.

Motor Response: Wakes & Runs

② Activate Pairing Mode

Happening as you press for 2 seconds   when released

Press P1
Approx. 2 sec.   Until Shade: Jog x1

Motor Response: Beep x1

③ Sleep Mode

Happening as you press for 6 seconds   when released

Press P1
Approx. 6 sec.   Until Shade: Jog x2

Motor Response: Beep x2

④ Reverse Direction

Happening as you press for 10 seconds   when released

Press P1
Approx. 10 sec.   Until Shade: Jog x3

Motor Response: Beep x3

⑤ Reset To Factory Settings

Happening as you press for 14 seconds   when released

Press P1
Approx. 14 sec.   Until Shade: Jog x4

Motor Response: Beep x4

Initial Set-up

1. Pair / Unpair Remote Control

a. Press **"P1" button** (about 2 sec) on the motor head until motor jog x1 and beep x1.

b. In the next 10 secs, press and hold **"Stop"** button on the remote control until motor jog x2 and beep x3.
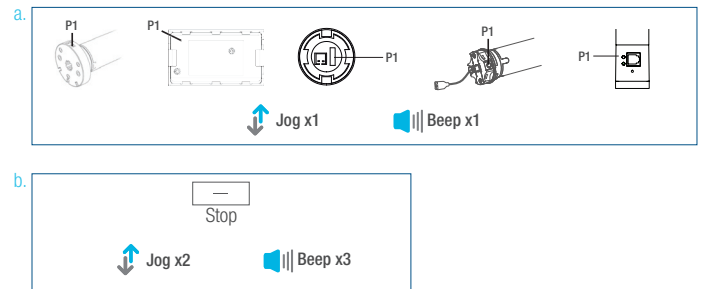
* Repeat the same procedure to unpair remote control.

CEL and TILT motors DO NOT BEEP

Action on Motor

Motor Response — Jog x1 — Beep x1

Action on Remote Control — Stop

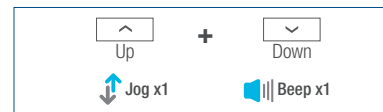Motor Response — Jog x2 — Beep x3

2. Change Motor Direction (if necessary)

Press **"Up"** or **"Down"** button to check if the shade moves in the desired direction.

If you need to reverse the direction, press and hold (about 2 sec) **"Up"** and **"Down"** buttons simultaneously until motor jog x1 and beep x1.

*The operation is only valid when there are no limits. If the motor has already set the upper and lower limit, then you can only switch direction by pressing P1 button (See P1 button instructions).
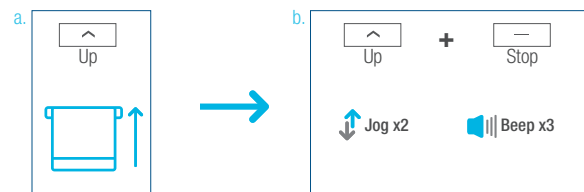
Action on Remote Control — Up + Down

Motor Response — Jog x1 — Beep x1

3. Setting the Upper and Lower Limits

Set Upper Limit

a. Press **"Up"** button to raise the shade, then press **"Stop"** button when it is in the desired upper limit.

b. Press and hold (about 5 sec) **"Up" and "Stop"** buttons simultaneously until motor jog x2 and beep x3.

Action on Remote Control — a. Up — b. Up + Stop

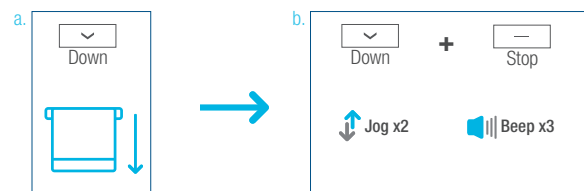Motor Response — Jog x2 — Beep x3

Set Lower Limit

a. Press **"Down"** button to lower the shade, then press **"Stop"** button when it is in the desired lower limit.

b. Press and hold (about 5 sec) **"Down" and "Stop"** buttons simultaneously until motor jog x2 and beep x3.

*If you exit the limit setting status before you finish the limit settings, the motor will take the previous existing limits.

Action on Remote Control — a. Down — b. Down + Stop

Motor Response — Jog x2 — Beep x3

Adjust Limits

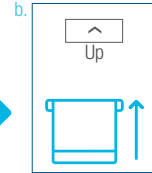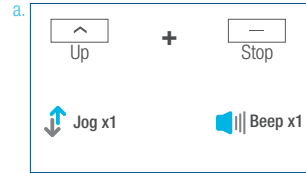## 1. Adjust the Upper Limit

a. Press and hold (about 5 sec) **"Up" and "Stop"** buttons simultaneously until motor jog x1 and beep x1.

b. Use **"Up"** button to raise the shade to the desired highest position, and use **"Up" or "Down"** button to do the final adjustment if necessary.
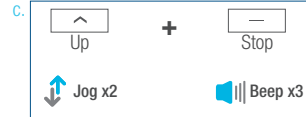
c. Press and hold (about 5 sec) **"Up" and "Stop"** buttons simultaneously until motor jog x2 and beep x3.

Action on Remote Control

a.
| Up | + | Stop |

b.
| Up |

Motor Response

Jog x1   Beep x1   →

Action on Remote Control

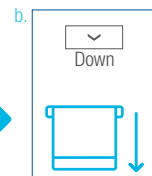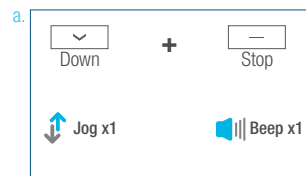c.
| Up | + | Stop |

Motor Response

Jog x2   Beep x3

2. Adjust the Lower Limit

a. Press and hold (about 5 sec) **"Down" and "Stop"** buttons simultaneously until motor jog x1 and beep x1.

b. Use **"Down"** button to lower the shade to the desired lowest position, and use **"Up" or "Down"** button to do the final adjustment if necessary.
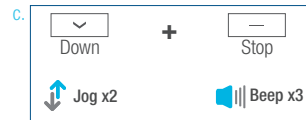
c. Press and hold (about 5 sec) **"Down" and "Stop"** buttons simultaneously until motor jog x2 and beep x3.

Action on Remote Control

a.
| Down | + | Stop |

b.
| Down |

Motor Response

Jog x1   Beep x1   →

Action on Remote Control

c.
| Down | + | Stop |

Motor Response

Jog x2   Beep x3

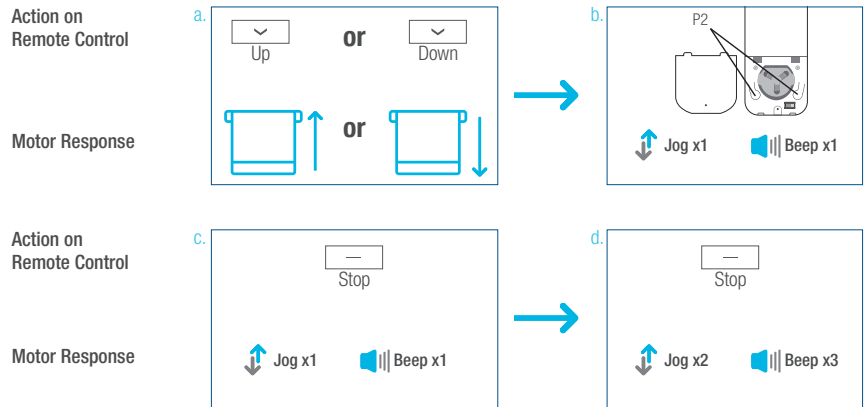## Favorite Position

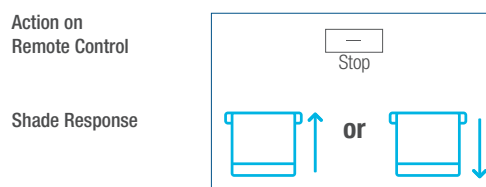### 1. Set Favorite Position

a. Use **"Up" or "Down"** button to move the shade to desired Favorite position.

b. Press one **"P2"** button on the back of remote control until motor jog x1 and beep x1.

c. Press **"Stop"** button until motor jog x1 and beep x1.

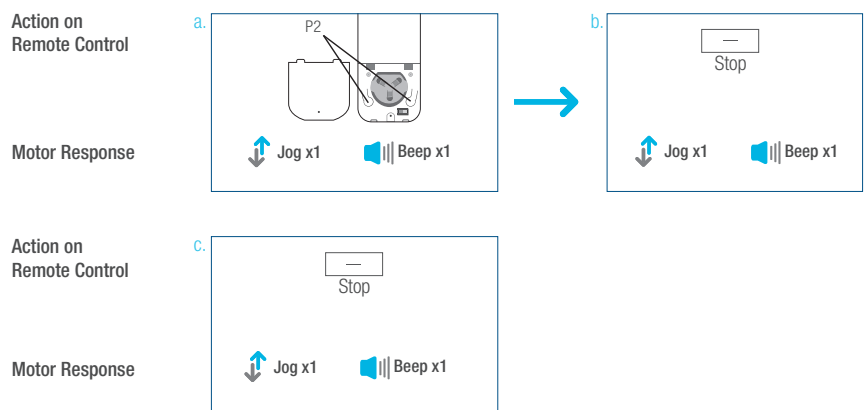d. Once more, press **"Stop"** button until motor jog x2 and beep x3.

Action on Remote Control

a.
| Up | **or** | Down |

Motor Response

or

b.
P2
Jog x1   Beep x1

Action on Remote Control

c.
Stop

Motor Response

Jog x1   Beep x1

d.
Stop

Jog x2   Beep x3

2. Send Shade to Favorite Position

Press and hold (about 2 sec) **"Stop"** button, motor will move to Favorite position.

Action on Remote Control

Stop

Shade Response

or

3. Delete Favorite Position

a. Press one **"P2"** button until motor jog and beep x1.

b. Press **"Stop"** button until motor jog and beep x1.

c. Once more, press **"Stop"** button until motor jog x1 and long beep x1.

Action on Remote Control

a.
P2

Motor Response

Jog x1   Beep x1

b.
Stop

Jog x1   Beep x1

Action on Remote Control

c.
Stop

Motor Response

Jog x1   Beep x1

Add or Remove Additional Remote

1. Using Current Remote Control

a. On the **current** remote control, press one **"P2"** button until motor jog x1 and beep x1.

b. Once more, on the **current** remote control, press one **"P2"** button until motor jog x1 and beep x1.

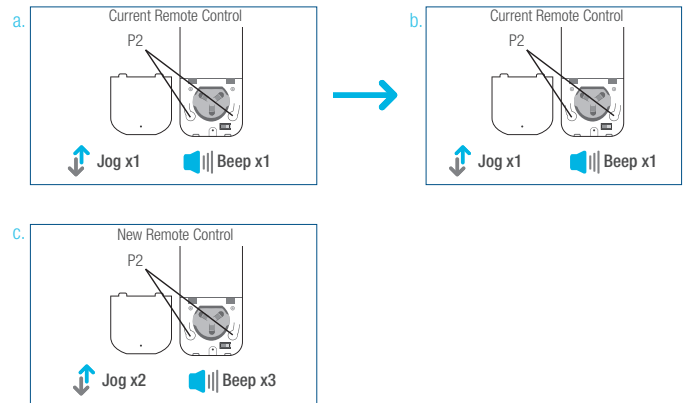c. On the **New** remote control, press one **"P2"** button until motor jog x2 and beep x3.

*Repeat the same procedure to remove additional remote control.

Action on Remote Control

Motor Response

a.
Current Remote Control
P2
Jog x1   Beep x1

b.
Current Remote Control
P2
Jog x1   Beep x1

Action on Remote Control

Motor Response

c.
New Remote Control
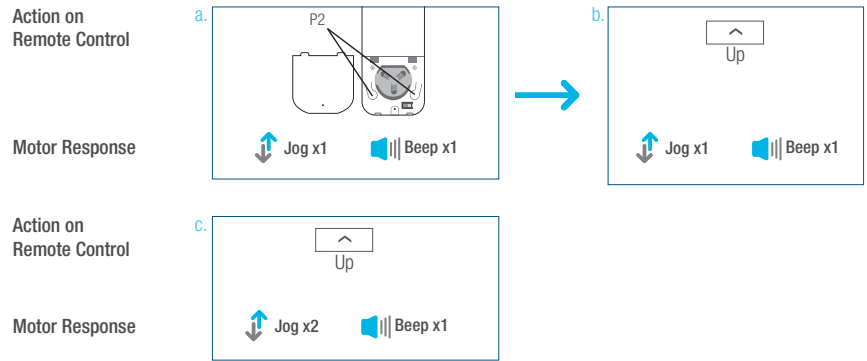P2
Jog x2   Beep x3

2. New Remote Control

Follow instructions on page 8 under the section **Pair / Unpair Remote Control**
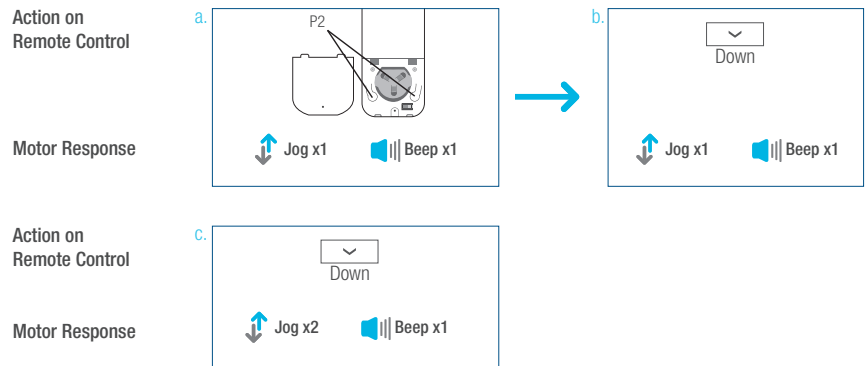
Adjust Motor Speed

1. Acceleration Speed

a. Press one **"P2"** button until motor jog x1 and beep x1.

b. Press **"Up"** button until motor jog x1 and beep x1.

c. Once more, press **"Up"** button until motor jog x2 and beep x1.

Action on Remote Control   a.

Motor Response   Jog x1   Beep x1

b.

Jog x1   Beep x1

Action on Remote Control   c.

Up

Motor Response   Jog x2   Beep x1

2. Deceleration Speed

a. Press one **"P2"** button until motor jog x1 and beep x1.

b. Press **"Down"** button until motor jog x1 and beep x1.

c. Once more, press **"Down"** button until motor jog x2 and beep x1.

*If the motor has no response, it already has a Maximum or Minimum speed.

Action on Remote Control   a.

Motor Response   Jog x1   Beep x1

b.

Down

Jog x1   Beep x1

Action on Remote Control   c.
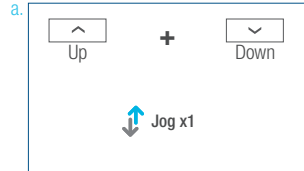

Down

Motor Response   Jog x2   Beep x1

Roller or Sheer Mode

1. Roller Shade Mode - continue movement after a short press - Default Mode

a. Press and hold (about 5 sec) **"Up" and "Down"** buttons simultaneously until motor jog x1.

b. Press and hold (about 2 sec) **"Stop"** button until motor jog x2 and beep x3.

Action on Remote Control

a.

| Up | + | Down |

Motor Response

Jog x1

Action on Remote Control

b.

Stop

Motor Response

Jog x2   Beep x3
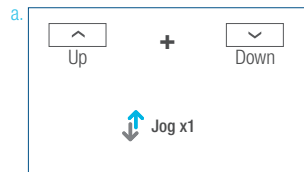
2. Sheer Shade Mode - jog movement after a short press (continue movement after a long press)

a. Press and hold (about 5 sec) **"Up" and "Down"** buttons simultaneously until motor jog x1.

b. Press and hold (about 2 sec) **"Stop"** button until motor jog x1 and beep x1.

Action on Remote Control

a.

| Up | + | Down |

Motor Response

Jog x1

Action on Remote Control

b.

Stop

Motor Response

Jog x1   Beep x1

Quick Index

	Settings	Steps
1	Pairing	P1 (hold down for 2s) > Stop (hold down for 2s)
2	Switch Rotating Direction	Up + Down (hold down for 2s)
3	Setting Upper & Lower Limits	Upper Limit: Up (hold down for 2s) > Up + Stop (hold down for 2s) Lower Limit: Down (hold down for 2s) > Down + Stop (hold down for 2s)
4	Add / Remove Favorite Position	P2 > Stop > Stop
5	Roller Mode & Sheer Mode Switch	Up + Down (hold down for 5s) > Stop
6	Adjust Limits	Upper Limit: Up + Stop (hold down for 5s) > Up or Down > Up + Stop (hold down for 2s) Lower Limit: Down + Stop (hold down for 5s) > Up or Down > Down + Stop (hold down for 2s)
7	Pair / Unpair Additional Emitter	P2 (existing) > P2 (existing) > P2 (new)
8	Speed Regulation	Acceleration: P2 > Up > Up Deceleration: P2 > Down > Down

Troubleshooting

Issues	Possible Causes	Solution
The motor has no response	Battery in motor is depleted	Recharge with compatible AC adaptor and check connection and positioning of solar PV panel
	Insufficient charging from Solar PV Panel	Check connection and orientation of solar PV panel
	Remote control battery is discharged	Replace battery
	Battery is inserted incorrectly into remote control	Check battery polarity
	Radio interference / shielding	Ensure remote control and the antenna on the motor are positioned away from metal objects
	Receiver distance is too far from Remote Control	Move remote control to a closer position
	Power failure	Check power supply to motor is connected and active
	Incorrect wiring	Check that wiring is connected correctly (refer to motor installation instructions)
Motor beeps 10 times when in use	Battery voltage is low / PV (solar panel issue)	Recharge with AC adapter or check connection and positioning of solar PV panel
Cannot program a single motor (multiple motors respond)	Multiple motors are paired to the same channel.	Always reserve an individual channel for programming functions
		SYSTEM BEST PRACTICE - Provide an extra 15 channel remote in your multi-motor projects that provides individual control for each motor for programming purposes
		Place all other motors into sleep mode (ref to **P1** button instructions)

Upgrade to the industry's most advanced Motor Program:

Motorization features 2-way technology with superior value

and innovation paired with a smart, seemless user interface.

RF 2W 15 Channel TDBU
Remote Control

Programming Guide

Specifications

- Specially designed for patented TDBU honeycomb shades
- Up to 15 channels with 3V (CR2450) battery, magnetic holder included
- Channel 0 controls all shades assigned to remote; ability to hide extra channels
- Favorite position activated by quick touch of a button
- Locking feature prevent unwanted configuration changes

™ Motorization Table of Contents

Declarations

U.S. Radio Frequency FCC Compliance

This device complies with Part 15 of the FCC Rules. 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.

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.

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

ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'ISED 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.
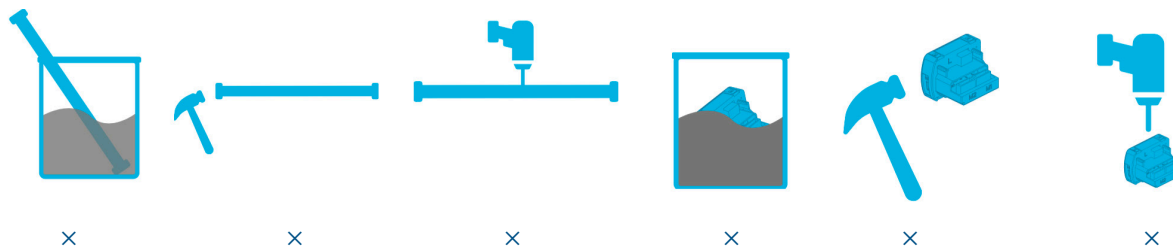
Attention

Never drop, knock, drill or submerge the motor and RF receiver.

Read all safety instructions before installation.

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

Important Safety Instructions

1. Do not expose motor to humid, damp, or extreme temperature conditions.
2. Do not drill into motor.
3. Do not cut the antenna. Keep it clear from metal objects.
4. Do not allow children to play with this device.
5. If the power cable or connector is damaged, do not use.
6. Ensure the correct crown and drive adaptor are used.
7. Ensure the power cable and aerial is clear and protected from moving parts.
8. Cable routed through walls should be properly isolated.
9. Motor is to be mounted in horizontal position only.
10. Before installation, remove unnecessary cords and disable equipment not needed for powered operation.
11. Installation and programming should be performed by a qualified professional. Use or modification outside the scope of these instructions may void warranty.

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

AMP™ TDBU Remote Overview
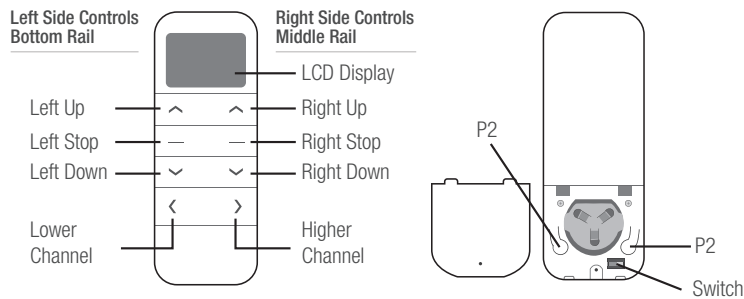
1. Fields of Application

Cellular/Honeycomb
TDBU
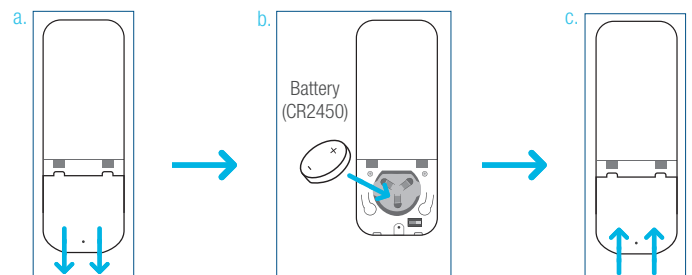
Cellular/Honeycomb
Day/Night

2. Specification

Voltage	3V (CR2450)
Radio Frequency	433.92 MHz Bi-directional
Transmitting Power	10 milliwatt
Operating Temperature	14°F to 122°F (-10°C to 50°C)
RF Modulation	FSK
Lock Function	Yes
IP Rating	IP20
Transmission Distance	up to 200m (outdoor)

3. Remote Button Instructions

Left Side Controls
Bottom Rail

Right Side Controls
Middle Rail

LCD Display

Left Up — Right Up
Left Stop — Right Stop
Left Down — Right Down

Lower
Channel

Higher
Channel

P2

P2

Switch

4. Replace/Install CR2450 Battery

a. Unscrew with the screwdriver then gently press down the cover.

b. Install battery (CR2450) with positive (+) side facing up.

c. Gently assemble the cover back and replace screw with screwdriver.

a.

b.

Battery
(CR2450)

c.

AMP™ TDBU Remote Function

1. Channel Options

Select A Channel

a. Press **"<"** button on the remote to select a lower channel.

b. Press **">"** button on the remote to select a higher channel.

Action on Remote Control

Remote Response

a.
```
    < 
 Lower
 Channel

   1
  ^  ^
```

b.
```
    > 
 Higher
 Channel

   15
  ^  ^
```

Hide Unused Channels

a. Press and Hold (about 3 sec) **"<" and ">"** buttons simultaneously until remote control displays "C" (channel).

b. Press **"< or >"** button to select required quantity of channel (between 1 to 15).

c. Press **"Stop"** button to confirm selection (the example shows a 5-channel selection). The LCD will display "o" (OK) once to confirm selection.

Action on Remote Control

Remote Response

a.
```
   <        +     >
 Lower         Higher
 Channel       Channel

       C
      ^  ^
```

b.
```
   <       or     >
 Lower         Higher
 Channel       Channel

      11
      ^  ^
```

Action on Remote Control

Remote Response

c.
```
     —
    Stop

  ◻        5
 ^  ^     ^  ^
```

2. Advanced Setting - Disable Limit Setting

a. Remove the cover from the backside of remote, the lock switch is in the right corner.

b. Move the switch to the **"Lock"** position to disable the following commands, remote will show **"L"** (lock):

  - Change Motor Direction
  - Setting the Upper and Lower Limit
  - Adjust Limit
  - Roller Mode or Sheer Mode

c. Move the switch to **"Unlock"** position to assess all remote functions, remote will show **"U"** (unlock).

*This advanced feature is intended to be used after all shade programming is completed. User Mode will prevent accidental or unintended changing of limits.

a.
```
                    Switch
```

b.
```
 Unlock    Lock        L
                      ^  ^
    Switch            —
```

c.
```
 Unlock    Lock        U
                      ^  ^
    Switch            —
```

P1 Button Instructions

2. P1 Button Location

P1 Button

TDBU honeycomb shades

2. P1 Button Instruction

① Test Motor

Happening as you press for 1 second

Press P1
Less than 1 sec.

② Activate Pairing Mode

Happening as you press for 2 seconds

Press P1
Approx. 2 sec.   Until Shade: Jog x1

③ Sleep Mode

Happening as you press for 6 seconds

Press P1
Approx. 6 sec.   Until Shade: Jog x2

④ Reverse Motor 1 with Motor 2

Happening as you press for 10 seconds

Press P1
Approx. 10 sec.   Until Shade: Jog x3

⑤ Reset To Factory Settings

Happening as you press for 14 seconds

Press P1
Approx. 14 sec.   Until Shade: Jog x4

Initial Set-up

1. Pair / Unpair Remote Control

a. Press **"P1" button** (about 2 sec) on the End Cap as shown until motor jog x1.

b. In the next 10 secs, press and hold **Left "Stop"** button on the remote control until motor jog x2.

* Repeat the same procedure to unpair remote control.

Action on Endcap

Motor Response

Action on Remote Control

Motor Response

a.

P1

↕ Jog x1

b.

Left Stop

↕ Jog x2
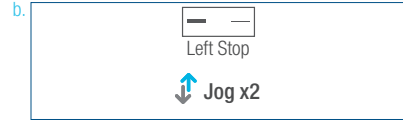
2. Change Motor Direction (if necessary)

Press **Left "Up"** or **Left "Down"** button to check if the shade moves in the desired direction.

If you need to reverse the direction, press and hold (about 2 sec) **Left "Up"** and **Left "Down"** buttons simultaneously until motor jog x1.

*The operation is only valid when there are no limits.

Action on Remote Control

Motor Response

Left Up + Left Down

↕ Jog x1

3. Setting the Upper and Lower Limits

Set Upper Limit

a. Press **Right "Up"** button to raise the Middle Rail, then press **Right "Stop"** button when it is in the desired upper limit.

b. Press **Left "Up"** button to raise the Bottom Rail, then press **Left "Stop"** button when it is in the desired upper limit.

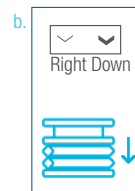c. Press and hold (about 2 sec) **Left "Up"** and **Left "Stop"** buttons simultaneously until motor jog x2.

Action on Remote Control

Middle Rail Response

a.
Right Up

Action on Remote Control

Bottom Rail Response

b.
Left Up

Action on Remote Control

Motor Response

c.
Left Up + Left Stop

↕ Jog x2

Set Lower Limit

a. Press **Left "Down"** button to lower the Bottom Rail, then press **Left "Stop"** button when it is in the desired lower limit.

b. Press **Right "Down"** button to lower the Middle Rail, then press **Right "Stop"** button when it is in the desired lower limit.

c. Press and hold (about 2 sec) **Left "Down"** and **Left "Stop"** buttons simultaneously until motor jog x2.

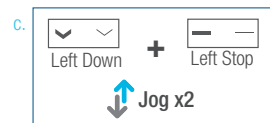**Action on Remote Control**

Bottom Rail Response

a.
Left Down

Action on Remote Control

Middle Rail Response

b.
Right Down

Action on Remote Control

Motor Response

c.
Left Down + Left Stop

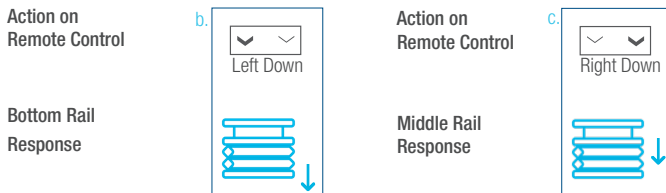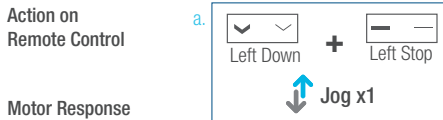↕ Jog x2

Factory Mode Complete
User Mode Begins

Adjust Limits

1. Adjust the Upper Limit

a. Press and hold (about 5 sec) **Left "Up" and Left "Stop"** buttons simultaneously until motor jog x1.

b. Use **Right "Up"** button to raise the Middle Rail, then press **Right "Stop"** button when it is in the new desired upper limit.

c. Press **Left "Up"** button to raise the Bottom Rail, then press **Left "Stop"** button when it is in the new desired upper limit.

d. Press and hold (about 2 sec) **Left "Up" and Left "Stop"** buttons simultaneously until motor jog x2.

Action on Remote Control

a.

Left Up + Left Stop

Motor Response

Jog x1

Action on Remote Control

b.

Right Up

Middle Rail Response

Action on Remote Control

c.

Left Up

Bottom Rail Response

Action on Remote Control

d.

Left Up + Left Stop

Motor Response

Jog x2
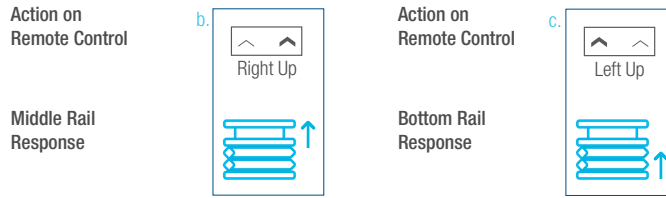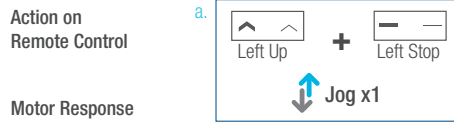
2. Adjust the Lower Limit

a. Press and hold (about 5 sec) **Left "Down" and Left "Stop"** buttons simultaneously until motor jog x1.

b. Use **Left "Down"** button to lower the Bottom Rail, then press **Left "Stop"** button when it is in the new desired lower limit.

c. Press **Right "Down"** button to lower the Middle Rail, then press **Right "Stop"** button when it is in the new desired lower limit.

d. Press and hold (about 2 sec) **Left "Down" and Left "Stop"** buttons simultaneously until motor jog x2.

Action on Remote Control

a.

Left Down + Left Stop

Motor Response

Jog x1

Action on Remote Control

b.

Left Down

Bottom Rail Response

Action on Remote Control

c.

Right Down

Middle Rail Response

Action on Remote Control
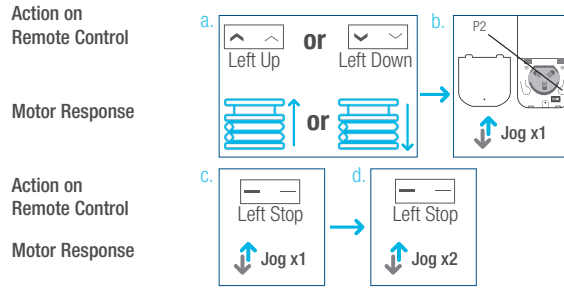
d.

Left Down + Left Stop

Motor Response

Jog x2

*If you exit the limit setting status before you finish the limi settings, the motor will take the previous existing limits.

Favorite Position

1. Set Favorite Position

a. Use **Left "Up" or Left "Down"** button to move the shade to desired Favorite position.

b. Press **Right "P2"** button on the back of remote control until motor jog x1.

c. Press and hold (about 2 sec) **Left "Stop"** button until motor jog x1.

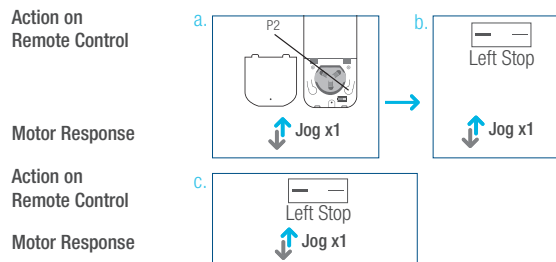d. Once more, press and hold (about 2 sec) **Left "Stop"** button until motor jog x2.

Action on Remote Control

Motor Response

Action on Remote Control

Motor Response

a. Left Up   **or**   Left Down   b. P2   Jog x1

or

c. Left Stop   Jog x1   d. Left Stop   Jog x2

2. Send Shade to Favorite Position

Press and hold (about 2 sec) **Left "Stop"** button, motor will move to Favorite position.

Action on Remote Control

Shade Response

Left Stop

or

3. Delete Favorite Position

a. Press **Right "P2"** button until motor jog x1.

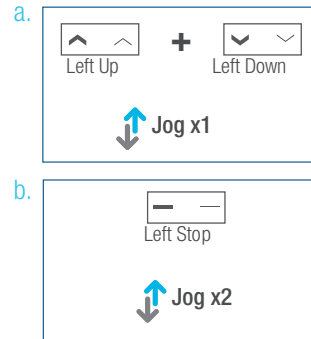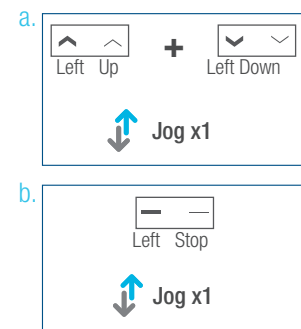b. Press and hold (about 2 sec) **Left "Stop"** button until motor jog x1.

c. Once more, press and hold (about 2 sec) **Left "Stop"** button until motor jog x1.

Action on Remote Control

Motor Response

Action on Remote Control

Motor Response

a. P2   Jog x1   b. Left Stop   Jog x1

c. Left Stop   Jog x1

Add or Remove Additional Remote

1. Using Current Remote Control

a. On the **current** remote control, press **Right "P2"** button until motor jog x1.

b. Once more, on the **current** remote control, press **Right "P2"** button until motor jog x1.

c. On the **New** remote control, press **Right "P2"** button until motor jog x2.

*Repeat the same procedure to remove additional remote control.

Action on Remote Control

Motor Response

Action on Remote Control

Motor Response

a.
Current Remote Control
P2
Jog x1

b.
Current Remote Control
P2
Jog x1

c.
New Remote Control
P2
Jog x2
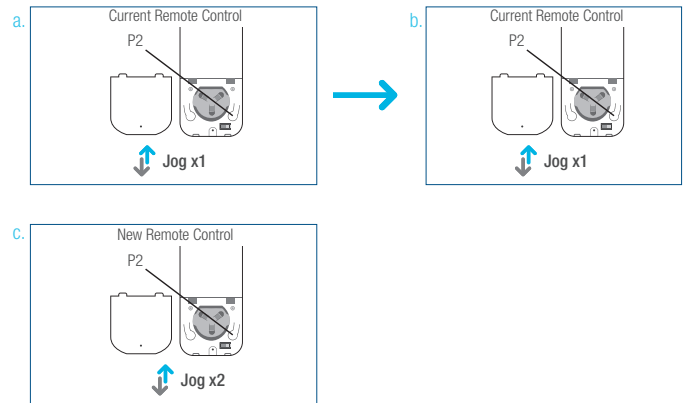
2. New Remote Control

Follow instructions under the section **1.**
Pair / Unpair Remote Control

Adjust Motor Speed

1. Acceleration Speed

a. Press **Right "P2"** button until motor jog x1.

b. Press **Left "Up"** button until motor jog x1.

c. Once more, press **Left "Up"** button until motor jog x2.

Action on Remote Control

a.

Motor Response — Jog x1

b. Left Up — Jog x1

Action on Remote Control

c. Left Up

Motor Response — Jog x2
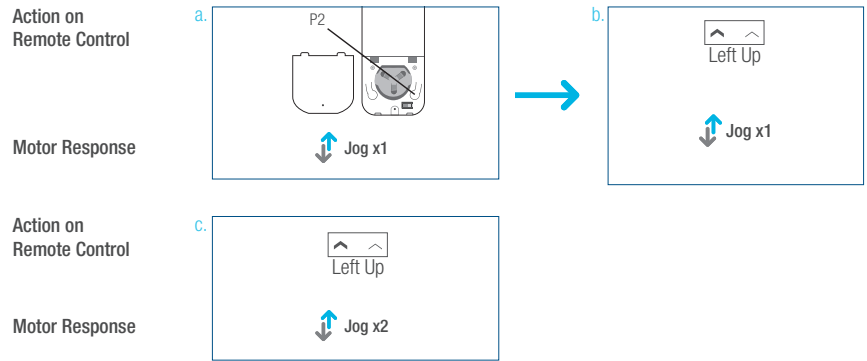
2. Deceleration Speed

a. Press **Right "P2"** button until motor jog x1.

b. Press **Left "Down"** button until motor jog x1.

c. Once more, press **Left "Down"** button until motor jog x2.

*If the motor has no response, it already has a Maximum or Minimum speed.

Action on Remote Control

a. P2

Motor Response — Jog x1

b. Left Down — Jog x1

Action on Remote Control

c. Left Down

Motor Response — Jog x2

Roller or Sheer Mode

1. Roller Shade Mode - continue movement after a short press - Default Mode

a. Press and hold (about 5 sec) **Left "Up" and Left "Down"** buttons simultaneously until motor jog x1.

b. Press and hold (about 2 sec) **Left "Stop"** button until motor jog x2.

Action on Remote Control

a.

Left Up **+** Left Down

Motor Response

Jog x1

Action on Remote Control

b.

Left Stop

Motor Response

Jog x2

2. Sheer Shade Mode - jog movement after a short press (continue movement after a long press)

a. Press and hold (about 5 sec) **Left "Up" and "Left Down"** buttons simultaneously until motor jog x1.

b. Press and hold (about 2 sec) **Left "Stop"** button until motor jog x1.

Action on Remote Control

a.

Left Up **+** Left Down

Motor Response

Jog x1

Action on Remote Control

b.

Left Stop

Motor Response

Jog x1

Quick Index

	Settings	Steps
1	Pairing	P1 (hold down for 2s) > Left Stop (hold down for 2s)
2	Switch Rotating Direction	Left Up + Left Down (hold down for 2s)
3	Setting Upper & Lower Limits	Upper Limit: Up (hold down for 2s) > Left Up + Left Stop (hold down for 2s) Lower Limit: Down (hold down for 2s) > Left Down + Left Stop (hold down for 2s)
4	Add / Remove Favorite Position	P2 > Left Stop > Left Stop
5	Roller Mode & Sheer Mode Switch	Left Up + Left Down (hold down for 5s) > Stop
6	Adjust Limits	Upper Limit: Left Up + Left Stop (hold down for 5s) > Up or Down > Left Up + Left Stop (hold down for 2s) Lower Limit: Left Down + Left Stop (hold down for 5s) > Up or Down > Left Down + Left Stop (hold down for 2s)
7	Pair / Unpair Additional Emitter	P2 (existing) > P2 (existing) > P2 (new)
8	Speed Regulation	Acceleration: P2 > Left Up > Left Up Deceleration: P2 > Left Down > Left Down

Troubleshooting

The motor has no response	External battery pack is depleted	Recharge with compatible AC adaptor and check connection and positioning of solar PV panel
	Insufficient charging from Solar PV Panel	Check connection and orientation of solar PV panel
	Remote control battery is discharged	Replace battery
	Battery is inserted incorrectly into remote control	Check battery polarity
	Radio interference / shielding	Ensure remote control and the antenna on the motor are positioned away from metal objects
	Receiver distance is too far from Remote Control	Move remote control to a closer position
	Power failure	Check power supply to motor is connected and active
	Incorrect wiring	Check that wiring is connected correctly (refer to motor installation instructions)
Cannot program a single motor (multiple motors respond)	Multiple motors are paired to the same channel.	Always reserve an individual channel for programming functions
		SYSTEM BEST PRACTICE - Provide an extra 15 channel remote in your multi-motor projects that provides individual control for each motor for programming purposes
		Place all other motors into sleep mode (ref to **P1** button instructions)

AMP™ Bridge
Quick Start Guide

Product Certification   FC   [Canada mark]   CE

AMP USB Bridge allows the user to link their motorized Shades, Blinds, and Draperies into a Wi-Fi network enabling control via smart APP and interaction with other IoT products.

Step 1

Please scan the QR Code below to download the app.

Download on the App Store

GET IT ON Google Play

Step 2

Please scan the QR Code below to learn more about linking the AMP USB Bridge with your home Wi-Fi router, setting up the AMP APP, and establishing a connection with other IoT applications.

WORKS WITH amazon alexa

works with the Google Assistant

WORKS WITH IFTTT

AMP™ Bridge

Product Parameter

Input Voltage	5V DC (USB Type A)
Input Power	1000mA
WiFi Network	2.4GHz only (802.11b/g/n)
Shade Control Frequency	433.92 MHz
Range	30 meters or 98 feet
Protection Class	IP20
Operation Temperature	32˚F to 104˚F (0˚C to 40˚C)

Programming Button

LED Indicator

AMP
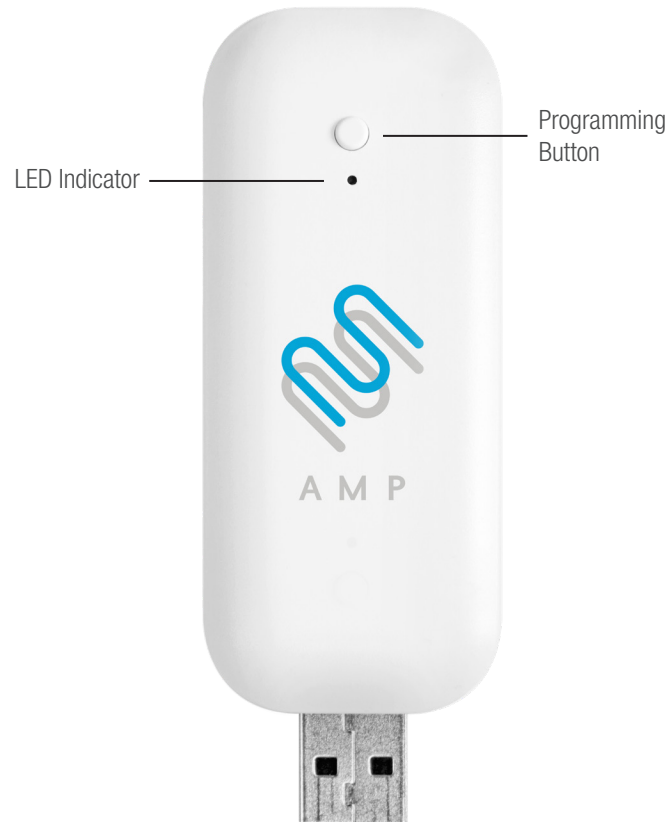
Status Indicator

Color	Meaning	Duration
Constant Blue	Working fine	Constant
Slow Flashing Red	Wi-Fi is disconnected	Continuously till status change
Slow Flashing Yellow	Wi-Fi is connected	Continuously till status change
Quick Flashing Red	Bridge reset	5 times
Slow Flashing Purple	Pairing underway	Continuously till status change
Slow Flashing Green	Upgrade in progress	Continuously till status change

90˚

Programming / Pairing
Press and hold programming button for about 2 seconds, then release until the LED blinks purple.

Reset
Press and hold programming button for about 10 seconds, then release until the LED blinks red.