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.
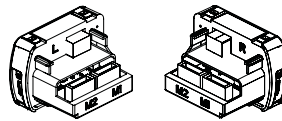
Quick Index

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

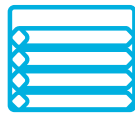| Issues	Possible Causes	Solution
The motor is not responding	External battery pack is depleted	Recharge with compatible AC adaptor and check connection and positioning of solar PV panel
	Insufficient charging from Solar PV Panel	Check connection and orientation of solar PV panel
	Remote control battery 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 is far away 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)

AMPTDBU RF Receiver

Fields of Application

| Cellular/Honeycomb Standard | Cellular/Honeycomb Skylight | Cellular/Honeycomb TDBU | Cellular/Honeycomb Day/Night |

Specifications

Working temperature: -10° C ~ +50° C

Input Voltage: USB 5V 1A / USB 5V 2A

Radio Frequency: 433.925 MHz

Maximum Running Time: 6 minutes

Attention

Never drop, knock, drill or submerge the motor.

Read all safety instructions before installation.

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

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.

Please scan QR code to see more AMP™ product information

System Overview

- Switch
- Motor 1 Connection Port
- Motor 2 Connection Port
- Charging Port
- P1 Button

Switch Functions

1. When the Switch is at Location 1, it is Cellular/Honeycomb TDBU and Cellular/Honeycomb Day/Night Shades working mode.
2. When the Switch move to Location ON, it is Cellular/Honeycomb Standard and Cellular/Honeycomb Skylight working mode.
3. The Factory default mode is setting at Location 1.

P1 Button Instructions

① Test Motor (Wakes and Runs)

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
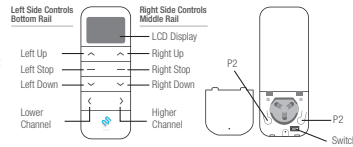Approx. 10 sec.   Until Shade: Jog x3

⑤ Reset To Factory Settings

Happening as you press for 14 seconds

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

Button Instructions

Left Side Controls
Bottom Rail

Right Side Controls
Middle Rail

- P1 Button
- Charging Port
- LCD Display
- Left Up / Right Up
- Left Stop / Right Stop
- Left Down / Right Down
- Lower Channel / Higher Channel
- P2
- Switch

Rechargeable Battery

Blinking red:
Low battery alert

Blinking green:
Charging in process

Solid green:
Battery has finished charging

Essential Settings

⚠ The steps in factory mode must be completed to ensure proper operation.

* All setup needs to be done using **LEFT SIDE** of the remote.

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	a.
Motor Response	Jog x1
Action on Remote Control	b. Left Stop
Motor Response	Jog x2

2. Change Motor Direction (if necessary)

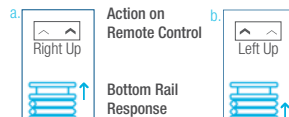Press **Left "Up"** or **Left "Down"** button to check if the shade moves in the desired direction.

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

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

Action on Remote Control	Left Up + Left Down
Motor Response	Jog x1

3. Setting the Upper and Lower Limits

3.1 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.

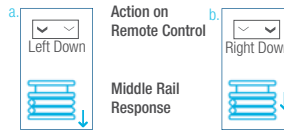| Action on Remote Control	a. Right Up	Action on Remote Control	b. Left Up
Middle Rail Response		Bottom Rail Response	
Action on Remote Control	c. Left Up + Left Stop		
Motor Response	Jog x2		

3.2 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.

*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. Left Down	Action on Remote Control	b. Right Down
Bottom Rail Response		Middle Rail Response	
Action on Remote Control	c. Left Down + Left Stop		
Motor Response	Jog x2		

4. Adjust Limits

4.1 Adjust the Upper Limit

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

b. Press **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	Action on Remote Control	c. Left Up
Middle Rail Response		Bottom Rail Response	
Action on Remote Control	d. Left Up + Left Stop		
Motor Response	Jog x2		

4.2 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	Action on Remote Control	c. Right Down
Bottom Rail Response		Middle Rail Response	
Action on Remote Control	d. Left Down + Left Stop		
Motor Response	Jog x2		

5. Favorite Position
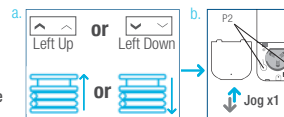
5.1 Set Favorite Position

a. Use **Left "Up"** or **Left "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.

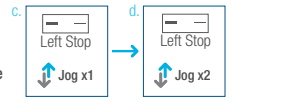c. Press and hold **Left "Stop"** button until motor jog x1.

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

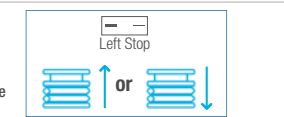| Action on Remote Control	a. Left Up or Left Down	b. P2
Motor Response	or	Jog x1
Action on Remote Control	c. Left Stop	d. Left Stop
Motor Response	Jog x1	Jog x2

5.2 Send Shade to Favorite Position

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

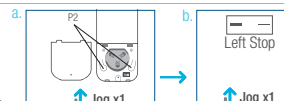| Action on Remote Control	Left Stop
Shade Response	or

5.3 Delete Favorite Position

a. Press one **"P2"** button until motor jog.

b. Press and hold **Left "Stop"** button until motor jog.

c. Once more, press and hold **Left "Stop"** button until motor jog x1.

Action on Remote Control	a. P2	b. Left Stop
Motor Response	Jog x1	Jog x1
Action on Remote Control	c. Left Stop	
Motor Response	Jog x1	

6. Roller Mode and Sheer Mode

6.1 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

6.2 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.

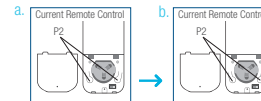| Action on Remote Control	a. Left Up + Left Down
Motor Response	Jog x1
Action on Remote Control	b. Left Stop
Motor Response	Jog x1

7. Add or Remove Additional Remote

7.1 Using Current Remote Control

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

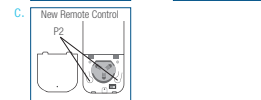b. Once more, on the **current** remote control, press one **"P2"** button until motor jog x1.

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

*Repeat the same procedure to remove additional remote control.

Action on Remote Control	a. Current Remote Control P2	b. Current Remote Control P2
Motor Response	Jog x1	Jog x1
Action on Remote Control	c. New Remote Control P2	
Motor Response	Jog x2	

7.2 New Remote Control

Follow instructions under the section **1. Pair / Unpair Remote Control**
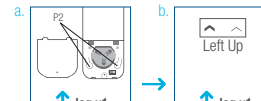
8. Adjust Motor Speed

8.1 Acceleration Speed

a. Press one **"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.

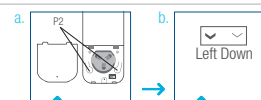| Action on Remote Control	a. P2	b. Left Up
Motor Response	Jog x1	Jog x1
Action on Remote Control	c. Left Up	
Motor Response	Jog x2	

8.2 Deceleration Speed

a. Press one **"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	b. Left Down
Motor Response	Jog x1	Jog x1
Action on Remote Control	c. Left Down	
Motor Response	Jog x2	