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 ry 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.

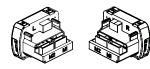
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		Settings	Steps
	1	Pairing	P1 (hold down for 2s) $>$ Stop (hold down for 2s)
	2	Switch Rotating Direction	Up + Down (hold down for 2s)
3	3	Setting Upper & Lower Limits	Upper Limit: Up (hold down for 2s) $>$ Up + Stop (hold down for 2s) Lower Limit: 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	$\label{eq:limit: Up + Stop (hold down for 5s) > Up or Down > Up + Stop (hold down for 2s) \\ Lower Limit: Down + Stop (hold down for 5s) > Up or Down > Down + Stop (hold down for 2s) \\ \end{cases}$	
	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		
	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		
The motor is not responding	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)		
		Always reserve an individual channel for programming functions		
Cannot program a single motor (multiple motors respond)	Multiple motors are paired to the same channel.	SYSTEM BEST PRACTICE - Provide an extra 15 channel remote in your multi-motor projects that provides individual control for each motor for programming purposes		
PDF		Place all other motors into sleep mode (ref to P1 button instructions)		
	The motor is not responding Cannot program a single motor (multiple motors respond)	External battery pack is depleted Insufficient charging from Solar PV Panel Remote control battery is discharged Battery is inserted incorrectly into remote control Radio interference / shielding Receiver is far away from Remote Control Power failure Incorrect wiring Cannot program a single motor (multiple motors respond)		

🔊 AMPTDBU RF Receiver



Fields of Application

AMP



Cellular/Honeycomb Standard Skylight

Specifications

Working temperature: -10° C \sim +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.





Switch Functions

System Overview

 When the Switch is at Location 1, it is Cellular/Honeycomb TDBU and Cellular/Honeycomb Day/Night Shades working mode.
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



Sleep Mode

(3

Happening as you press for 6 seconds

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









Happening as you press for 14 seconds











Button Instructions



Blinking green:

Charging in process

Rechargeable Battery



Low battery alert

Solid green:

Battery has finished charging



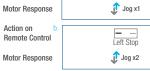
1. Pair / Unpair Remote Control

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

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



2. Change Motor Direction (if necessary)

Press Left "Up" or Left "Down" button Action on to check if the shade moves in the desired Remote Control direction

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

Left Up Left Down Motor Response 👖 Jog x1

Action on

Remote Control

^

Left Up

+

*The operation is only valid when there are no limits

Setting the Upper and Lower Limits

Action on

Remote Control

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 iog x2.

Bottom Rail Middle Rail Response Response Action on -Remote Control + Left Up Left Stop 🗊 Jog x2 Motor Response

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Right Up

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.

Action on

Action on

Action on

Remote Control

Motor Response

Remote Control

 \sim

 \checkmark

Left Up

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

c. Press and hold (about 2 sec) Left Remote Control "Down" and Left "Stop" buttons simultaneously until motor iog x2. Motor Response

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

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.

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.

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 pack of remote control until motor jog x1. c. Press and hold Left "Stop" button until motor jog x1.	Action on Remote Control A. Motor Response Action on Remote Control C.	Left Up or Left Down	b. P2 Jog x1
d. Once more, press and hold (about 2 sec) Left "Stop" button until motor jog x2.	Motor Response	Jog x1	g 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	2
position.	Shade Response	or E	Ļ
5.3 Delete Favorite Position a. Press one "P2" button until motor jog. b. Press and hold Left "Stop" button	Action on a. Remote Control		Left Stop
c. Once more, press and hold Left	Motor Response	Jog x1	Jog x1
"Stop" button until motor jog x1.	Action on C. Remote Control	Left Stop	
	Motor Response	Ĵ Jog x1	

Remote Control

Motor Response

] /n	Action on b. Remote Control	Right Down
↓	Middle Rail Response	Ē

Left Stop 🗊 Jog x2

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

∧ ∧ +

Left Up

 \checkmark

Left Down

. Add or Remove Additional Remote

Action on

Remote Control

6. Roller Mode and Sheer Mode

Action on

Remote Control

6.1 Roller Shade Mode - continue

a. Press and hold (about 5 sec) Left "Up"

and Left "Down" buttons simultaneously

b. Press and hold (about 2 sec) Left

"Stop" button until motor jog x2.

movement after a short press -

Default Mode

until motor jog x1.

7.1 Using Current Remote Control a. On the current remote control, press one "P2" button until motor iog x1.

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

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

🗊 Jog x1 Motor Response Action on **Remote Control** 2 🗊 Jog x2 Motor Response

2

🗊 Jog x1

additional remote control. 7.2 New Remote Control

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

*Repeat the same procedure to remove

8. Adjust Motor Speed

8.1 Acceleration Speed a. Press one "P2" button until motor jog x1.	Action on a. Remote Control	P2	D.	Left Up
b. Press Left "Up" button until motor jog x1.	Motor Response	Jog x1	\rightarrow	🗊 Jog x1
c. Once more, press Left "Up" button until motor jog x2.	Action on C. Remote Control	Left Up		
	Motor Response	Ĵ Jog x2		
8.2 Decelaration Speed	Action on a	. P2	b.	
a. Press one "P2" button until motor jog x1.	Remote Control			Left Down
b. Press Left "Down" button until motor jog x1.	Motor Response	Jog x1	→	🗘 Jog x1
c. Once more, press Left "Down" button until motor jog x2.				
and motor joy net	Action on C. Remote Control	Left Down		
*If the motor has no response, it already has a Maximum or Minimum speed.	Motor Response	🗘 Jog x2		

Remote Control **Remote Control** Right Up Left Up Middle Rail Bottom Rail Response Response Action on Left Stop ^ ÷ Remote Control Left Up ႐ုံ Jog x2 Motor Response Action on -+ Remote Control Left Down Left Stop 🗊 Jog x1 Motor Response Action on Action on \checkmark V V Remote Control Remote Control Left Down Right Down **Bottom Bail** Middle Rail Response Response Action on

① Jog x2







Left Dow + Left Down

eft Ston

Action on

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🗊 Jog x1

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