

## Important Notes

### Please Read Before Installing

- A. Lutron systems are intended for use with only Lutron hardware, controls, and power supplies.
  - B. **Codes:** Install in accordance with all local and national electrical codes.
  - C. **Environment:** Ambient operating temperature: 32 °F - 104 °F (0 °C - 40 °C), 0 - 90% humidity, non-condensing. Indoor use only.
  - D. Plan the installation to maintain sufficient clearance between the moving blind and any object which could obstruct movement, including window hardware, cranks, lock levers, and drapery.
- CAUTION: RISK OF FALLING OBJECTS.** Securely install the blind system per the mounting instructions. Failure to do so could result in minor or moderate injury

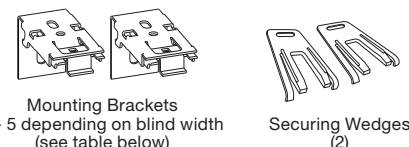
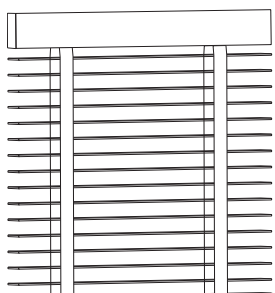
## 1 Prepare to Install

### 1.1 Tools required:

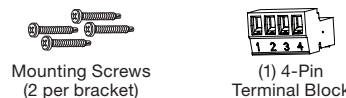
- Tape measure
- Level
- Wire Cutter/Stripper
- Power Drill
- Drill Bits
- #2 Phillips Screwdriver

EDU model: QSSB-L30T10
24-36 V $\overline{\text{---}}$
60 W
Lift: 17.5 in-lb (2 N•m)
Tilt: 5 in-lb (0,56 N•m)

### 1.2 Box contents:

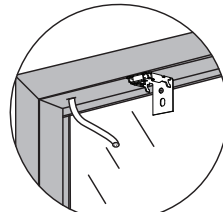
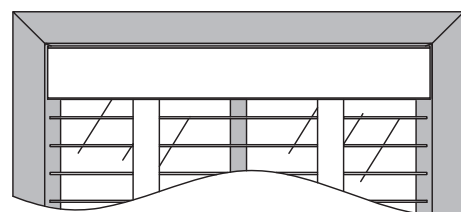


WIDTH OF BLIND	# OF BRKT'S
48 in (1219 mm) or less	2
48½ in (1222 mm) to 72 in (1829 mm)	3
72½ in (1832 mm) to 96 in (2438 mm)	4
96½ in (2442 mm) or wider	5

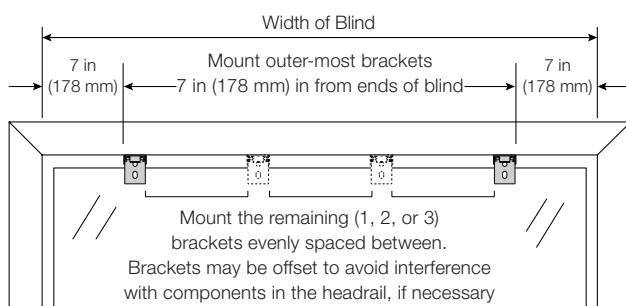


## 2 Mounting Options

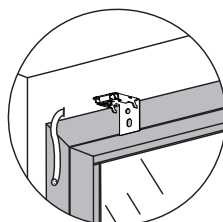
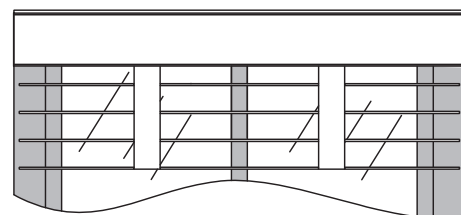
### 2.1 Inside Mount:



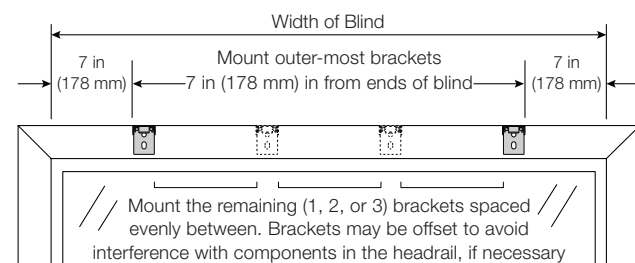
- A. Cable should exit from the wall or jamb on the drive side of the system (suggested location on left shown for reference only; right-side drive also available).
- B. Leave 12 to 18 in (300 to 450 mm) of cable exposed.
- C. Plan for adequate clearance of window cranks and other pre-existing hardware.
- D. Mount brackets inside the top of the window frame using the included mounting screws or other appropriate fasteners.
- E. Use a level to ensure proper alignment.



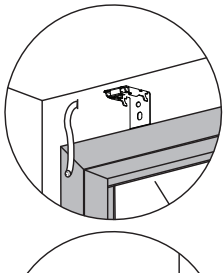
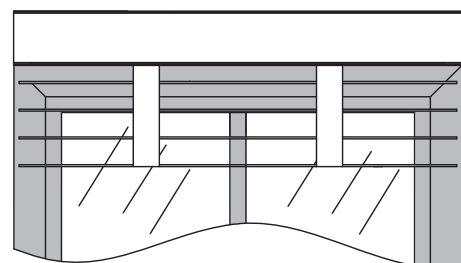
### 2.2 Outside Mount On Trim:



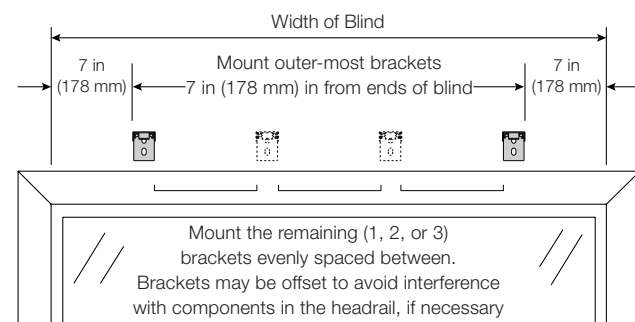
- A. Cable should exit from the wall on the drive side of the system (suggested location on left shown for reference only; right-side drive also available).
- B. Leave 12 to 18 in (300 to 450 mm) of cable exposed.
- C. Plan for adequate clearance of window cranks and other pre-existing hardware.
- D. Mount brackets to the front of the top trim using the included mounting screws or other appropriate fasteners.
- E. When mounting on angled or contoured trim, install an additional screw (not included) behind the bracket for support, as shown.
- F. Use a level to ensure proper alignment.



### 2.3 Outside Mount Above Trim:



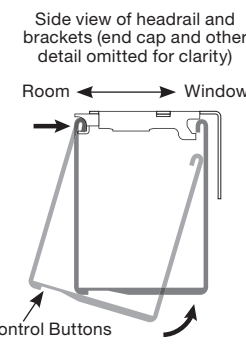
- A. Cable should exit from the wall on the drive side of the system (suggested location on left shown for reference only; right-side drive also available).
- B. Leave 12 to 18 in (300 to 450 mm) of cable exposed.
- C. Plan for adequate clearance of window cranks and other pre-existing hardware.
- D. Mount brackets to the wall above the top trim using the included mounting screws or other appropriate fasteners.
- E. When mounting above protruding trim, install a spacing block (not included) behind the bracket for clearance, as shown.
- F. Use a level to ensure proper alignment.



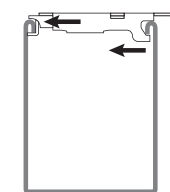
## 3 Hang the Blind

### 3.1 Attach the headrail to the brackets:

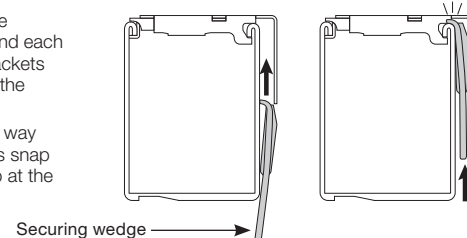
- A. With the control button panel accessible from the room side, hook the top front lip of the headrail on the tabs at the front of the brackets.
- B. Press the headrail toward the window to compress the brackets, and swing the rear of the headrail up and behind the brackets' rear hooks.



- C. Release pressure and allow the brackets to return to their forward position, capturing the top lip at the rear of the headrail in the brackets' rear hooks.
- D. Inspect the blind to ensure the headrail is level and securely engaged in all the brackets.



- E. Insert a securing wedge between the headrail and each of the 2 outer-most brackets to stabilize and lock-in the headrail.
- F. Push the wedge all the way up until its outer prongs snap in place over the top lip at the rear of the headrail.



### 3.2 Level the Bottom Bar (OPTIONAL):

Adjusting the horizontal level of the bottom bar may be necessary in order for it to align with the window sill. Confirm that the headrail is level prior to adjusting the bottom bar.

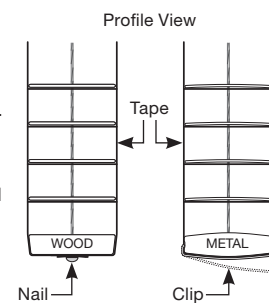
**NOTE:** Leveling is done only by shortening the lift cord at the end of the bottom bar which is lower. There is no extra lift cord to facilitate lengthening.

### Decorative Tape

If the blind has decorative tape ladders, the tape must be unfastened from the bottom bar to gain access to the lift cord. Tape fastening methods vary according to the bottom bar material.

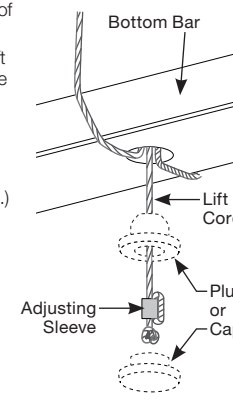
**Wood Bottom Bar:** Tapes are fastened with nails. Using a flathead screwdriver, carefully pry one nail head away from the bottom bar and tape. Pry one side of the nail head and then the other in small increments to avoid bending the nail. With one nail removed, enough of the tape can be moved aside to access the lift cord.

**Metal Bottom Bar:** Tapes are fastened with a clip. Using a small, flathead screwdriver, carefully pry one side of the clip away from the bottom bar.



### Adjusting Lift Cord Length

- A. Remove the plug or cap from the hole on the underside of the bottom bar, closest to the end that is hanging lower.
- NOTE:** Some models have a plug through which the lift cord passes, while others have a solid cap. Refer to the picture at right.
- B. Lift the bottom bar, allowing the lift cord to hang below.
- C. If necessary, use a small screwdriver to push the knotted lift cord and its adjusting sleeve out of the plug from the top. (For cap-equipped models, skip this step.)
- D. Loosen the cord around the adjusting sleeve and slide the sleeve up to raise the bottom bar.
- E. Pull the cord tight on the adjusting sleeve.
- F. On plug-equipped models, insert the adjusting sleeve into the plug to secure it.
- G. Reinsert the plug or cap in the bottom bar.
- H. Re-fasten decorative tape, if applicable.

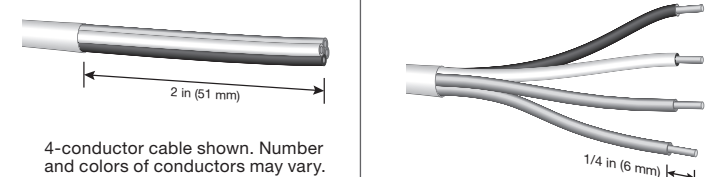


## 4 Basic Wiring

### 4.1 Prepare the cable:

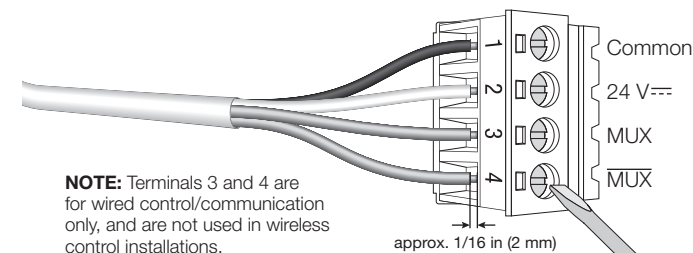
**WARNING: SHOCK HAZARD.** Lock the supply breaker in the OFF position, or remove fuse, before wiring to terminal block. Failure to do so could result in death or serious injury.

- a. Strip 2 in (51 mm) of outer jacket off cable coming from the wall.
- b. Strip 1/4 in (6 mm) insulation off each individual wire.



### 4.2 Wire the 4-pin terminal block:

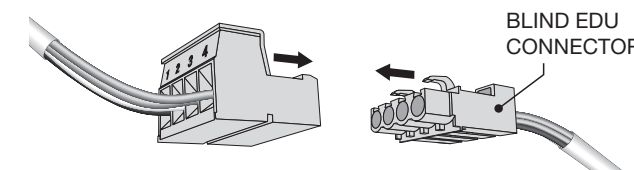
- a. Wire 4-pin terminal block (provided) to cable using a small, flat-blade screwdriver to tighten screws securely on the exposed wire. Leave 1/16 in (2 mm) of exposed conductor to ensure insulation is not pinched.



### 4.3 Connect the blind EDU:

Connect the blind EDU connector and the 4-pin terminal block.

**NOTE:** Arrange and secure the cables in a location that prevents them from interfering with moving parts.

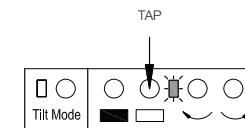


## 5 Setting Limits

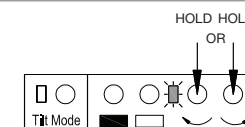
The open and close limits define the vertical travel of the blind. The up and down tilt limits define the rotational travel of the slats. All limits are set at the factory according to the window measurements, but on-site adjustment is available. It is recommended that the open and close limits be checked immediately after installation to ensure the fully open and fully closed positions match the window opening.

### 5.1 Setting the Open Limit

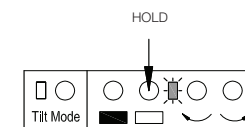
- A. Tap the Open Limit button. The green LED will turn on.



- B. Move the blind to the desired Open Limit by holding one of the arrow buttons.



- C. With the blind in the desired Open Limit position, press and hold the Open Limit button until the Green LED flashes. The Open Limit is stored.

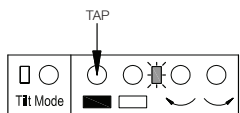


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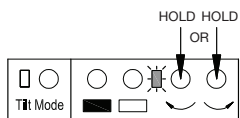
## 5 Setting Limits (continued from page 1)

### 5.2 Setting the Close Limit

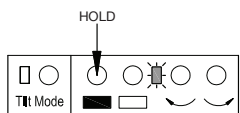
- A. Tap the Close Limit button. The Green LED will turn on.



- B. Move the blind to the desired close limit by holding one of the arrow buttons.



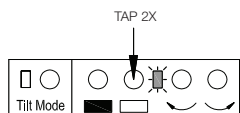
- C. With the blind in the desired Close Limit position, press and hold the Close Limit button until the Green LED flashes. The Close Limit is stored.



### 5.3 Verify Open and Close Limits

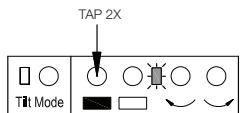
#### Open Limit

Verify the open limit by double-tapping the Open Limit button. The blind will travel to the open limit.



#### Close Limit

Verify the close limit by double-tapping the Close Limit button. The blind will travel to the close limit.

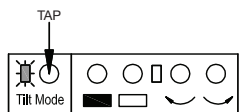


Run the blind to its Open and Close limits again to allow settling and to verify the blind is hanging and moving freely. Repeat limit setting as necessary.

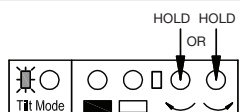
### 5.4 Setting the Tilt Limits in Auto Set Mode

To maintain uniform tilt levels between adjacent blinds, it may be necessary to adjust the tilt limits. In Auto set mode, the limits are set to a predefined rotational angle up and down from horizontal. This assures that all adjacent blinds have the same tilt limits, maintaining uniformity from blind to blind.

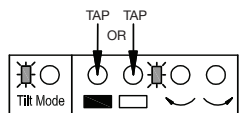
- A. Tap the Tilt Mode button. The amber LED will turn on.



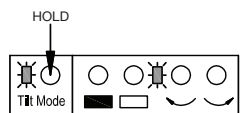
- B. Tilt the slats to the horizontal position by holding one of the arrow buttons.



- C. Tap either limit set button. The green LED will turn on.



- D. Press and hold the Tilt Mode button until the Green LED flashes. Both Up and Down tilt limits are stored.



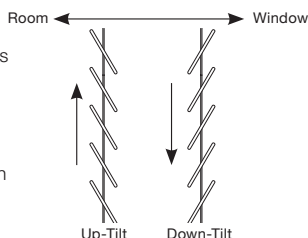
**NOTE:** After setting tilt limits using Auto Set Mode, ensure that the top slat is not contacting the headrail at both the Up and the Down tilt limits.

### 5.5 Setting the Tilt Limits in Manual Set Mode

In manual set mode, the up and down tilt limits can be set to user-defined positions.

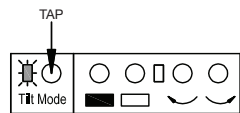
**NOTE:** The top slat should not contact the headrail in either the up or the down tilt position.

Tilt direction is referenced by the slat edges on the room side of the blind.

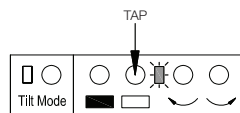


### Setting the Up-Tilt Limit

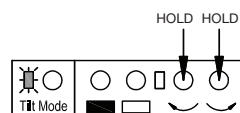
- A. Tap the Tilt Mode button. The amber LED will turn on.



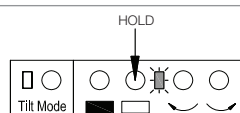
- B. Tap the Open Limit button. The green LED will turn on.



- C. Rotate the slats to the desired up-tilt limit by holding one of the arrow buttons.

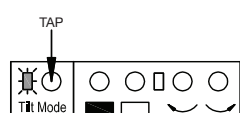


- D. Press and hold the Open Limit button until the green LED flashes. The up-tilt limit is stored.

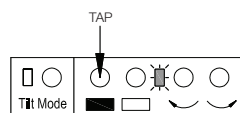


### Setting the Down-Tilt Limit

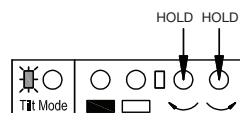
- A. Tap the Tilt Mode button. The amber LED will turn on.



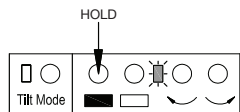
- B. Tap the Close Limit button. The green LED will turn on.



- C. Rotate the slats to the desired down-tilt limit by holding one of the arrow buttons.



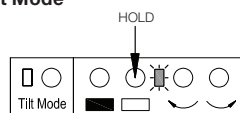
- D. Press and hold the Close Limit button until the green LED flashes. The down-tilt limit is stored.



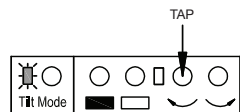
## 6 Assigning Blind(s) to a Wireless Control (blinds equipped with RF receiver only)

### 6.1 Placing One or More Blinds in Assignment Mode

- A. Press and hold the Open Limit button until the green LED flashes, then comes on solid.



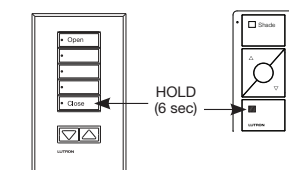
- B. Tap the (↶) button on the blind drive. The green LED's on the blind and on the wireless receiver will flash twice immediately, and every 4 seconds thereafter, the drive is now ready to be assigned to a wireless control.



- C. Repeat for all blinds that are being assigned to the same wireless control. To complete the assignment process, proceed to step 6.2.

### 6.2 Completing the Assignment Process

- A. Press and hold the Bottom button on the wireless control for 6 seconds. The blind(s) will move a short distance in both directions, or "wiggle", one time. This confirms their drive(s) have been assigned to the wireless control, and exits the control and blind(s) from assignment mode.



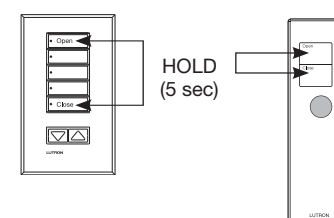
- B. Repeat steps 6.1 and 6.2 to assign more blinds and/or additional controls.

**NOTE:** Blinds can be assigned to multiple wireless controls. To un-assign devices, see Section 8: "Restoring Factory Default Settings".

## 7 Assigning Blind(s) to Wired and IR Controls

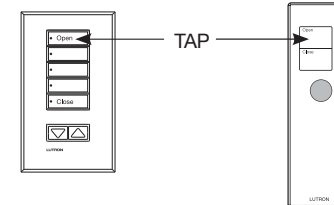
### 7.1 Enter Programming Mode

Press and hold the Open and Close button simultaneously for 5 seconds. Assigned blinds will close. Unassigned blinds will open.



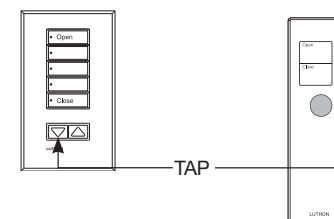
### 7.2 Select Blind

Tap the Open button. The selected blind will move up and down. (Tap the Open button again to cycle forward to the next blind. Tap the Close button to cycle backwards.)



### 7.3 Assign Blind

Tap the Lower Button to assign the selected blind. The selected blind will move to its Close limit. This confirms it is now assigned. (Tap the Raise button now to undo this assignment.)

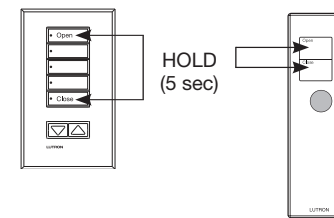


### 7.4 Assign Additional Blinds

Repeat steps 7.2 and 7.3 to assign additional blinds, if desired.

### 7.5 Exit Programming Mode

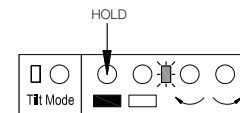
Press and hold the Open and Close button simultaneously for 5 seconds to exit the programming mode.



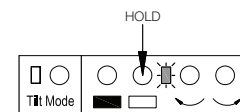
## 8 Restoring Factory Default Settings

This procedure will un-assign this blind from all wireless controls, but will not affect the open and close limit.

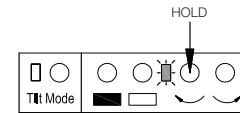
- A. Press and hold the Close Limit button until the green LED flashes, then comes on solid. Release.



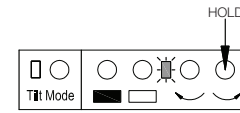
- B. Press and hold the Open Limit button until the green LED flashes, then comes on solid. Release.



- C. Press and hold the (↶) button until the green LED flashes, then comes on solid. Release.



- D. Press and hold the (↷) button until the LED flashes a multicolor sequence, indicating the factory default settings have taken effect. Release.



## 9 Troubleshooting

Symptom	Solution
Blind will not move using adjustment buttons on drive	The drive is not powered – check drive power by unplugging and re-plugging in drive. LED should flash for 5 seconds. Blind motion is obstructed. Remove obstruction.
Blind does not fully open or fully close	Limits have been set incorrectly. Refer to Section 5. Blind motion is obstructed. Remove obstruction.
Wireless controls will not operate blind	Out of range. Move to within 30 ft (9.1 m) of receiver. Drive(s) not paired to wireless control. Wireless receiver not plugged into any drive within range. Wireless control batteries are weak or dead. Replace.
Drive does not move, and the LED is blinking red slowly four times, and then turning off for 4 seconds	The drive has reached its maximum run-time. Wait 20 minutes before attempting to move the blind.
Drive has its red LED on steady	The drive is unable to establish communication. Check wiring.
Drive is blinking its blue LED quickly	The drive does not have enough power to operate properly. Refer to the power supply's instruction sheet to verify your installation. The drive is being powered by an AC supply. Use an approved 24 V $\bar{\bar{}}$ supply, such as the QSPS-P1-10-60.
Keypad does not control blind or sends it to the wrong level	Limits have been set incorrectly. Refer to Section 5. Refer to the keypad instruction sheet for programming instructions.
Headrail or slats not level	Verify the brackets are level. Shim brackets if needed.
Blind is not centered over window	Slide the headrail left or right in the brackets.
Blind does not move smoothly	Verify the blind is not obstructed by any other object.
Adjacent blinds are not aligned	Adjust the heights of brackets to align blinds. Shim brackets if needed.
Slats tilt the wrong way	Verify that the buttons on the bottom of the headrail are toward the room and not the window. Verify that the lift cords are wrapping in the correct direction. Visually inspect that the lift cords come up the front of the headrail when lifting.

### FCC Information

**NOTE:** 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 and 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.

**Caution:** Changes or modifications not expressly approved by Lutron Electronics Co. could void the user's authority to operate this equipment.  
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 Class B digital apparatus complies with Canadian ICES-003.

### IC Information

This device complies with 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 of the device.

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