

Troubleshooting

Symptom	Possible Cause	Solution
Master Control (on adapter power) LEDs do not light up.	• No power available to unit.	• Plug in power supply.
	• Faulty power supply.	• Replace power supply.
Master Control on battery power will not “wake up” (LEDs do not light up on a button press).	• Dead, low, or no batteries in Master Control.	• Replace batteries.
	• Batteries are incorrectly installed.	• Install batteries as indicated inside the Master Control.
Master Control on battery power “wakes up” but goes to “sleep” quickly after a button press.	• Batteries are not making contact with the battery terminals.	• Adjust batteries so they make contact with the terminals.
	• Batteries are low.	• Replace batteries.
Master Control (on battery power and backlight enabled): backlight immediately turns off on a button press.	• Batteries are low.	• Replace batteries.
All LEDs flash when each Master Control button is pressed.	• Master Control is not programmed into the system.	• See Activating Controls in the RadioRA® Setup Guide.
Lights do not respond to a button press.	• Master Control is out of system range.	• Move to within 30 feet (9 m) of an RF Signal Repeater.
	• Button being pressed has not been programmed.	• See ROOM/SCENE Button Programming in the <i>RadioRA</i> Setup Guide.

LIMITED WARRANTY

Subject to the exclusions described below, for a period of one year after the date of shipment by Lutron, Lutron warrants each new product (the “Product”) to be free from manufacturing defects. Lutron will, at its option, repair the defective part or provide comparable replacement parts so long as Lutron is promptly notified of the defect within the one year warranty period. Replacement parts provided by Lutron may be new, used, repaired, reconditioned, and/or made by a different manufacturer.

EXCLUSIONS TO LIMITED WARRANTY

This Warranty does not cover, and Lutron and its suppliers are not responsible for:

- Damage, malfunction or inoperability diagnosed by Lutron or a Lutron approved third party as caused by normal wear and tear, abuse, misuse, incorrect installation, neglect, accident, or interference from radio frequency or infrared sources or obstacles, such as, but not limited to (a) use of incorrect line voltages, fuses or circuit breakers; (b) failure to install, maintain and operate the Product pursuant to the operating instructions provided by Lutron and the applicable provisions of the National Electrical Code® and of the Safety Standards of Underwriter’s Laboratories; (c) use of incompatible devices or accessories; (d) failure to maintain equipment under specified ambient temperature; (e) unauthorized repairs or adjustments; (f) vandalism; and (g) an act of God, such as fire, lightning, flooding, tornado, earthquake, hurricane or other problems beyond Lutron’s control.
- On-site labor costs to diagnose issues with, and remove, repair, replace, adjust, reinstall and/or reprogram the Product, at Lutron’s option, all of which will be paid by Customer at the then current service price.
- Where applicable, components and equipment external to the Product, such as, lamps; non-Lutron ballasts, sockets, and fixtures; fixture wiring between ballasts and lamps; building wiring between dimmers or dimmer panels and lamps and between controls and controls, dimmers or dimmer panels; and other manufacturers’ equipment not provided by Lutron, such as time clocks; audio-visual equipment; motion detectors; photosensors; driveway sensors; pressure pads; shades; and spas.
- The cost of repairing or replacing other property that is damaged when the Product does not work properly, even if the damage was caused by the Product.

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WARRANTY CLAIMS, TECHNICAL ASSISTANCE AND WARRANTY INFORMATION

Contact the **Lutron Technical Support Center** at the numbers provided below or your local Lutron sales representative with questions concerning the installation or operation of the System or this Warranty, or to make a warranty claim. Please provide the exact model number when calling.

USA and Canada (24 hrs/7days)
+1.800.523.9466
Other countries (8 a.m. - 8 p.m. ET)
+1.610.282.3800
Fax +1.610.282.3090
<http://www.lutron.com>

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RadioRA®

Installation Instructions for Large Button Tabletop Master Controls

Please Leave for Occupant

Read all instructions completely before installation.



NOTE: When using Master Controls on Battery Power:

- The Large Button Master Controls go to “sleep” after a short period of inactivity.
- Press any button to “wake up” the Master Control.
- “Wake up” the Master Control *before* starting any of the programming steps in the *RadioRA* Setup Guide.

Important Notes

- Use only high quality alkaline batteries, size AAA, 1.5 V --- . Do not use rechargeable batteries. Using improperly rated batteries could damage the Master Control.
- Use only the adapter provided by Lutron (T120-9DC-3-WH) with your Tabletop Master Control. Using an adapter not rated at the following specifications could damage the control and possibly overheat the adapter.
 - Input: 120 V \sim 60 Hz
 - Output: 9 V --- / 300 mA NEC® Class 2; IEC PELV
- Clean control with a *soft damp cloth only*. Do not use any chemical cleaners.
- Operate in ambient temperatures between 0 °C (32 °F) and 40 °C (104 °F).
- Do not paint controls.
- The range and performance of the *RadioRA* System is highly dependent on a variety of complex factors such as:
 - Distance between system components
 - Geometry of the home
 - Construction of walls separating system components
 - Electrical equipment located near system components
- Do not mix *RadioRA* “A” and “B” frequency products within the same system. Products with different frequencies **are not** compatible.

Large Button Tabletop Master Controls

RALB-5T-RL, RALB-10T-RL, RALB-15T-RL

RBLB-5T-RL, RBLB-10T-RL, RBLB-15T-RL

DC Adapter: 9 V --- 300 mA

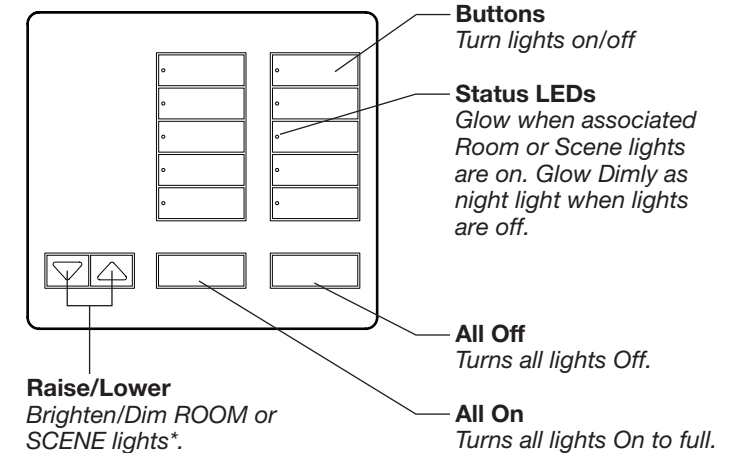
Batteries: 2 AAA Alkaline 1.5 V ---

DC Adapter for Large Button Tabletop Master Controls

T120-9DC-3

Input 120 V \sim 60 Hz 6.5 W; Output 9 V --- 300 mA

Operation of the Master Control



* By default, the last ROOM or SCENE button pressed will select the lights affected by the Raise/Lower. This setting may be changed to allow a double-tap of a ROOM or SCENE button to select the affected lights. See Raise/Lower Methods (page 3).



NOTE: Master Controls will not operate until they have been programmed.

For detailed instructions on programming your Master Control, refer to the Setup and Installation Guide for a RadioRA® Chronos™ System Bridge and Timeclock (P/N 044-037) that is included with a *Chronos* or the *RadioRA* Setup Guide (P/N 044-001) that is included with an RF Signal Repeater.

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 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:

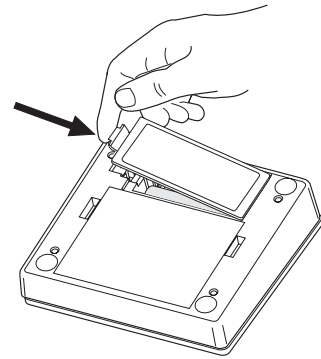
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by Lutron Electronics Co. could void the user’s authority to operate this equipment. Operation is subject to the following: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

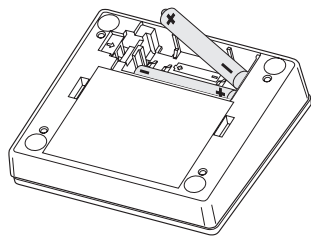
Large Button Master Control Battery Installation

✓ Check off Steps as completed.

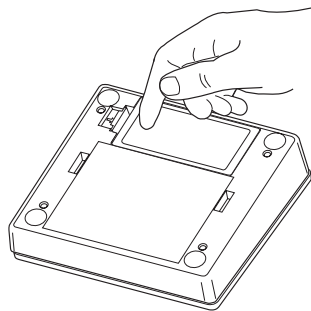
Step 1 Remove battery cover.



Step 2 Install batteries as shown. Use two, 1.5V AAA alkaline batteries only.



Step 3 Replace battery cover.



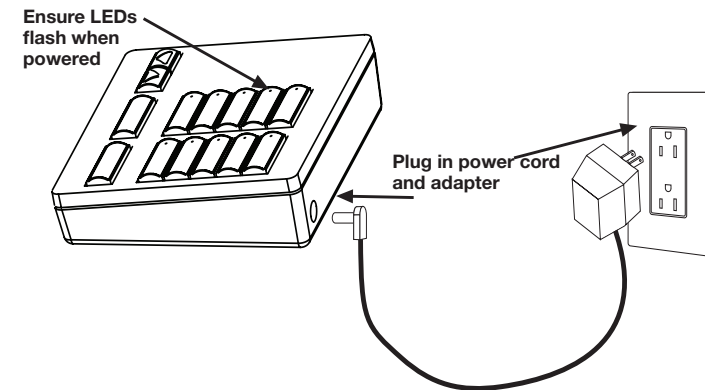
NOTE: Master Controls should be operated within 30 feet (9 m) of an RF Signal Repeater.

Large Button Master Control Installation

✓ Check off Steps as completed.

Step 1 Find a suitable location for the Master Control. Place the Master Control in a convenient and accessible location. **Note:** Master Controls should be located within 30 feet (9 m) of an RF Signal Repeater.

Step 2 Apply power to the Tabletop Master Control.



? If the LEDs do not flash when powered, ensure that the correct adapter is being used, is installed properly, and that there is power at the receptacle. If problem persists, call the Lutron Technical Support Center at 1.800.523.9466.

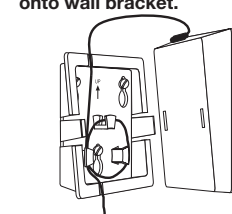
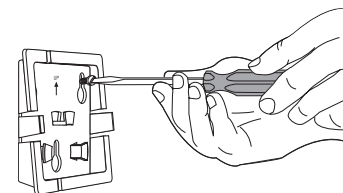
! **NOTE:** Plug-in adapter does not charge batteries.

Optional Wall Mounting

Any Tabletop Master Control can be wall mounted using the supplied wall bracket.

Attach wall bracket to wall using the supplied screws and wall anchors.

Wrap excess power supply cord around the cord holder. Align Master Control and snap onto wall bracket.



Advanced Features

There are three Advanced Features available for the Large Button Tabletop Master Controls:

Backlight Intensity Selection

Allows the user to select the Master Control button backlight intensity. Backlight intensity is set to HIGH by default.

Raise/Lower Selection

Allows the user to choose the method that selects the lights affected by the Raise/Lower buttons. The choices are last button pressed or double-tap. Last button pressed is enabled by default.

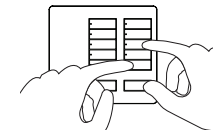
Wakeup Selection

Allows the user to choose the method by which the Master Control “wakes up” when on battery power. The choices are “wake up” and activate button or “wake up” only. “Wake up” and activate button is enabled by default.

Accessing Advanced Features

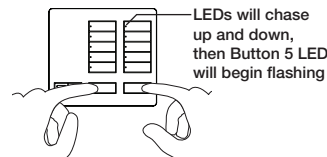
Step 1 Enter ROOM/SCENE Assignment Mode

Simultaneously press and hold the 3rd, 5th, and ALL OFF buttons in the right most column until an LED in each column of the Master Control which you are programming begins to flash (approximately 3 seconds).



Step 2 Enter Advanced Features Selection Mode

Simultaneously press and hold the ALL ON and ALL OFF buttons until the LEDs chase up and down in the column. The Button 5 LED will begin flashing to indicate Advanced Features Selection Mode is active.



Step 3 Change Advanced Features

Button 1 selects the button backlight intensity:

LED Solid: backlight intensity set to HIGH (default), MEDIUM, or LOW

LED Flashing: backlight intensity set to OFF

Button 2 selects the Raise/Lower method (see Raise/Lower Methods):

LED Solid: last button pressed (default)

LED Flashing: double-tap

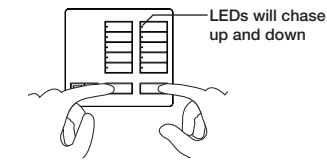
Button 3 selects the “wake up” method:

LED Solid: “wake up” and activate button (default)

LED Flashing: “wake up” only

Step 4 Exit Advanced Features Selection Mode

Simultaneously press and hold the ALL ON and ALL OFF buttons until the LEDs chase up and down in the column.



Backlight Intensity Selection

Separate backlight intensity selections are available for both battery and adapter power. When selecting the backlight intensity for battery power, Master Control must be on battery power. When selecting the backlight intensity for adapter power, Master Control must be on adapter power.

When selecting the backlight intensity, each press will cycle through the available intensities in the order: HIGH, MEDIUM, LOW, OFF. The selected backlight intensity will be shown immediately while in Advanced Programming.

Raise/Lower Methods

Last Button Pressed

Raise/Lower Buttons will affect the last ROOM/SCENE Button pressed on the Master Control.

Double Tap

Raise/Lower Buttons will affect the last ROOM/SCENE Button that was double tapped on the Master Control.

“Wake Up” Methods

“Wake Up” and Activate

Press any button on Master Control to “wake up” the Master Control. Button pressed to “wake up” will be activated.

“Wake Up” Only

Press any button on Master Control to “wake up” the Master Control. Once Master Control is awake, press button again to activate.