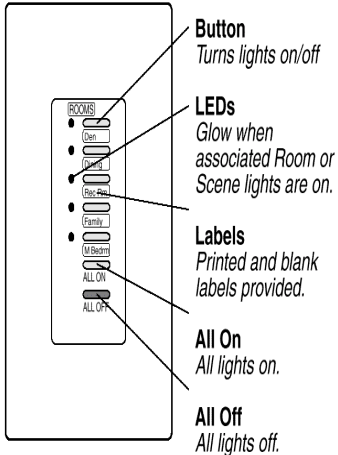


# User's Manual (instruction sheet)

## Operation of Master Controls



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

For detailed instructions on programming your master control, refer to the *RadioRA Setup Guide* that is included with a system Repeater.

## Troubleshooting

Symptom	Possible Cause
Master control appears not to be working.	<ul style="list-style-type: none"> <li>No power available to unit.</li> <li>Faulty power supply (Table top models only).</li> <li>Master control not programmed.</li> </ul>

## 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.

# RadioRA®

Wireless Central Lighting Control

## Installation Instructions for Master Controls

Please Leave for Occupant

### Wall Mount Master

RAMC-5W, RAMC-10W, RAMC-15W  
RBMC-5W, RBMC-10W, RBMC-15W

### Table Top Master

RAMC-5T, RAMC-10T, RAMC-15T  
RBMC-5T, RBMC-10T, RBMC-15T

120/127VAC, 50/60Hz

Read all instructions completely before installation.

## Important Notes

1. Install in accordance with all national and local electrical codes.
2. A neutral wire connection is required for the Wall Mount Master control.
3. Do not paint controls or wallplates.
4. Operate in ambient temperatures between 0°C (32°F) and 40°C (104°F).
5. Recommended wallbox depth is 2 1/2" minimum.
6. Use only the AC adapter provided by Lutron with your Table Top unit. Using an AC adapter not rated at the following specifications could damage the control and possibly overheat the AC adapter.
  - Input: AC 120/127V, 50/60Hz
  - Output: AC 9V/500mA Class 2
7. 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

## Installation Contents

### Wall Mount Installation

Installing a Wall Mount Master.



Page 2

### Table Top Master Installation

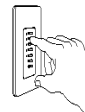
Installing a Table Top Master.



Page 3

### Operation

Using the RadioRA Master Controls.



Page 4

**Note:** Request Application Note #28 on how to Replace a 3-Way Switch with a Wall Master for retrofit installations.

## Worldwide Technical and Sales Assistance

If you have questions concerning the installation or operation of this product, call the **Lutron Technical Assistance Hotline**. Please provide exact model number when calling.

(800) 523-9466 (U.S.A., Canada, and the Caribbean)

Other countries call (610) 282-3800  
Fax (610) 282-3090

## Warranty

Lutron will, at its option, repair or replace any unit that is defective in materials or manufacture within one year after purchase. For warranty service, return unit to place of purchase or mail to Lutron at 7200 Suter Rd., Coopersburg, PA 18036-1299, postage pre-paid.

This warranty is in lieu of all other warranties, express or implied, and the implied warranty of merchantability is limited to one year from purchase. This warranty does not cover the cost of installation, removal or reinstallation, or damage resulting from misuse, abuse, or damage from improper wiring or installation. This warranty does not cover incidental or consequential damages. This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitation on how long an implied warranty may last, so the above limitations may not apply to you.

This product may be covered under one or more of the following U.S. patents: 4,835,343; 4,954,768; 5,248,919; 5,399,940; 5,736,965; DES 353,798; DES 389,461; DES 395,037 and corresponding foreign patents. U.S. and foreign patents pending. Lutron, Claro and RadioRA are registered trademarks. © 1999 Lutron Electronics Co., Inc.

Lutron Electronics Co., Inc.  
7200 Suter Road  
Coopersburg, PA 18036-1299, U.S.A.

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# User's Manual (instruction sheet)

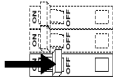
## Wall Mount Installation



For installing a Wall Mount Master in a newly installed wallbox.

✓ Check off Steps as completed.

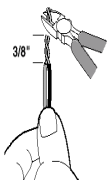
**Step 1** Turn power off at circuit breaker panel or remove fuse from fusebox.



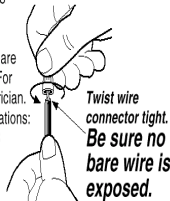
**Step 2** Prepare wires. Twist and trim wires to the proper length indicated below when completing Step 3.

Twist wires and trim.

Strip length: 3/8" for 14, 16, or 18 gauge



Note: Wire connectors provided are suitable for copper wire only. For aluminum wire, consult an electrician. Use to join the following combinations: One 14 gauge with one 16 or 18 gauge.

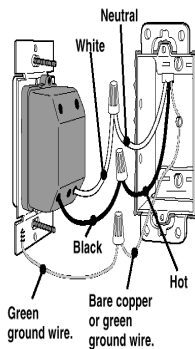


Twist wire connector tight. Be sure no bare wire is exposed.

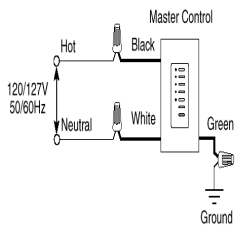
**Step 3** Wire the Control.

Using the wire connectors provided:

- Connect the master control green ground wire to the green or bare copper ground wire in the wallbox. If there is no ground wire in your wallbox, consult an electrician.
- Connect the black control wire to the HOT wire coming from the breaker panel.
- Connect the white control wire to the NEUTRAL wire coming from the breaker panel.



### Wiring Diagram



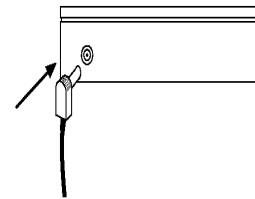
## Table Top Master Installation



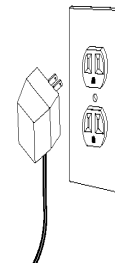
✓ Check off Steps as completed.

**Step 1** Find a suitable location for the Table Top Master. Place the Table Top Master in a convenient and accessible location. Note: Table Top Master should be located within 30 feet of a Repeater.

**Step 2** Attach the power supply cord to the Table Top Master (jack located on rear of Table Top Master).



**Step 3** Plug the other end of the power supply into a 120/127VAC, 50/60Hz wall receptacle.



### Optional Wall Mounting

The Table Top Master 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 Table Top Master and snap onto wall bracket.

