



## RadioRA 2 Auxiliary Repeater

RR-AUX-REP-WH

SKU: 36104    UPC: 027557774666

**Benefits of total light control** Turn your lights on and adjust your shades to the specific level. Stylish products that will complement your home's decor. Tap twice for full on. Control lights and shades from wall-mounted, tabletop, or handheld controls, in a specific room or remotely from another room or even outside your home. When you dim a standard halogen or incandescent light bulb by 25%, you will save 20% and extend the life of light bulbs.

**System Design** Identify the lighting areas of the home to be controlled. Install devices to control as much of the lighting within the areas as possible. This includes in-wall dimmers, table lamp dimmers and shade. Place at least one keypad in each lighting area. Choose how keypad buttons will control your light from one of the five ways to control your light:

- Individual device control of single wall dimmer, table lamp or shade
- Local scene Preset scene for all lighting and shading within a room
- Whole home scene Illuminates part of or most of the home for specific activity or mood
- Room monitoring Allows a user to see if lights within a specific room (or entire house) are on or off
- 5Path of light Illuminates a convenient path of light to take the user from one location to the next

**System Components**

- Dimmers and Switches, Note: Dimmer and Switch locations with 3- and 4- way applications must use RadioRa 2 Remote Dimmers, Remote Switches, or Wall-mounted Keypads.
- see Touch Wall-mounted Keypads.
- Radio Power Saver
- Occupancy/Vacancy Sensors
- Sivoia QS wireless Shades
- Grafik Eye QS RF control units
- Visor Control Transmitter(VCTX) and Visor Control Receiver(VCRX)

### Features

- RadioRA 2 Repeaters extend the range of Radio Frequency (RF) signals that are sent between dimmers, switches, keypads, visor controls, shades / draperies, and other devices
- Mount Receiver on a wall, ceiling, or level surface using the two #6 (M3) screws provided
- Repeaters communicate with the system through RF
- All devices (except remote dimmers / switches) must be located within 30 ft. (9 m) of a Repeater
- All repeaters must be within 60 ft. (18 m) of another repeater

Specifications:	
Model Numbers	RR-MAIN-REP-WH, RR-AUX-REP-WH
Power	Main/Auxiliary Repeater: 9 V- 300 mA See Low-Voltage Transformer spec (Lutron® P/N 369561)
Typical Power Consumption	Main Repeater: 3.1 W Test conditions: one LED on, Ethernet cable plugged in, powered by the 9V- Adapter Auxiliary Repeater: 0.6 W Test conditions: one LED on, powered by the 9 V- adapter
Regulatory Approvals	Main/Aux (-WH only): cULus listed; FCC certified; Industry Canada certified; COFETEL certified; ASEP certified; Bermuda Department of Telecommunications type approval; CRC certified; INDOTEL certified; SUTEL certified Main/Aux (-WHBA only): ANATEL certified Main/Aux (RRK only): CE marked Adapter (T120-9DC-3-BL): cULus listed; NOM certified
Environment	Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing. Indoor use only
Low-Voltage Wire Type	Two pairs: one pair 18 AWG (1.0 mm <sup>2</sup> ), one pair 22 AWG to 18 AWG (0.5 mm <sup>2</sup> to 1.0 mm <sup>2</sup> ) twisted shielded – IEC PELV/NEC® Class 2 cable
Communications	Repeaters communicate with the system through RF. All devices must be located within 30 ft (9 m) of a Repeater. All Repeaters must be within 60 ft (18 m) of another Repeater. System devices operate on frequencies between 431.0 MHz to 437.0 MHz or 868.125MHz to 869.850 MHz
ESD Protection	Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.

Surge Protection	Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits
Power Failure	Power failure memory: should power be interrupted, the Repeater will return to its previous state when power is restored
Mounting	Mount on a wall, ceiling, or level surface using the two #6 (M3) screws provided
Connections	Main Repeater: Ethernet, RS232 and RS485
Design Features	Test button: enters the system diagnostic mode. Can be programmed from a PC. RS485 port to connect to other Repeaters through a wired link (daisy-chain). Main Repeaters allow configuration and integration to the system through Ethernet or RS232 ports (see chart to the right). System with 2 Main Repeaters must be connected via Ethernet.
RadioRA® 2 Repeaters	Configuration
Ethernet Configuration	X
Ethernet Integration	X
RS-232 Integration	X