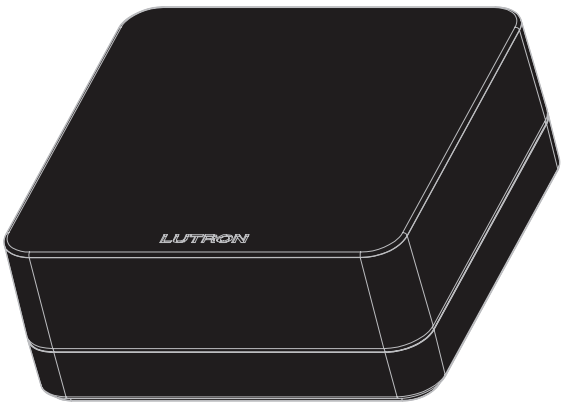
RA2 Select Main Repeaters

The RA2 Select main repeaters allow for setup, control, and monitoring of select RadioRA 2 devices and Lutron wireless shades from a smartphone or tablet using the Lutron App[1].



RA2 Select Main Repeater

Features

- Supports up to 100 wireless devices (including select RadioRA 2 dimmers and switches, RF modules, Pico wireless controls, wireless sensors, and wireless shades). The main repeater and additional wireless repeaters each count as one device.
- Programmed via the Lutron App (available for iOS® and Android™).
- Scene control via the Lutron App and Pico scene keypads.
- Timeclock scheduling of daily events via the Lutron App.
- Connects to the Wi-Fi router via an Ethernet connection.
- Local device operation will continue to function if internet connection is lost or if the main repeater is powered down or not communicating.
- System access from anywhere in the world using the Lutron App.
- Control outside the app via widgets (iOS® and Android™).
- Supports Geofencing from the Lutron App.
- Control from *Apple Watch.*
- Supports integration with other smart home brands including Amazon® Alexa®, Google® Assistant, Sonos®, and more.
- Up to 4 wireless repeaters can be added to extend the range for larger systems.
- Automatically programs Pico wireless controls for typical applications and activities or program additional custom scenes using the Lutron App.
- Integration with select professional A/V and security systems.

Model Number

Main Repeater	Country/Region
RR-SEL-REP2-BL	North America
RR-SEL-REP2-BLBA	Brazil

Compatible Devices[2,3]

- RadioRA 2 dimmers
- RadioRA 2 switches
- RadioRA 2 fan controls
- RadioRA 2 plug-in dimmer/tabletop lamp dimmer
- RadioRA 2 appliance module
- RF dimming module with 0–10 V⎓ control
- RF relay module with Softswitch
- Wireless repeaters (up to 4)
- Sivoia QS Triathalon and Sivoia QS Wireless roller shades, drapery track, Kirbé, and Roman shade systems
- Radio Powr Savr occupancy/vacancy sensors

[1] The Lutron App is required for setup and use with the RA2 Select main repeater. The Lutron App is compatible with iOS® devices version 8.0 or later and Android™ devices 4.1 or later.

[2] RadioRA 2 dimmers, switches, and fan controls purchased prior to January 2014 or with a date code of Y01 may not be compatible. For specific dates for each compatible model please see Lutron Application Note #668.

[3] Only designer opening RadioRA 2 dimmers are compatible with the RA2 Select main repeater. GRAFIK T and RadioRA 2 dimmers are not compatible with the RA2 Select main repeater.

Job Name:	Model Numbers:	
Job Number:		

Specifications

Regulatory Approvals

- cULus Listed
- FCC approved. Complies with the limits of a Class B digital device, pursuant to Part 15 of the FCC rules
- IC certified
- COFETEL certified (Q3 2017)
- ANATEL Certified (-BLBA only)

Power

- 5 V⎓ 300 mA
- Power Supply (included):
  - For RR-SEL-REP2-BL, 5 V⎓ 550 mA, cable length 6 ft (1.83 m)
  - For RR-SEL-REP2-BLBA, 5 V⎓ 1 A, cable length 5 ft (1.5 m)

Typical Power Consumption

- RA2 Select main repeater: 1.3 W
- Test Conditions: LED on, Ethernet cable plugged in, powered by the 5 V⎓ adapter

Environment

- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C)
- 0% to 90% humidity, non-condensing
- Indoor use only

Communications

- All devices must be located within 30 ft (9 m) of a repeater
- All repeaters must be located within 60 ft (18 m) of another repeater
- System devices operate on frequencies between 431.0 MHz to 437.0 MHz
- Internet connection required for initial setup and to maintain system date/time and receive periodic firmware updates

Protection

- Tested to withstand electrostatic discharge without damage or memory loss in accordance with IEC 61000-4-2
- Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991

Power Failure Memory

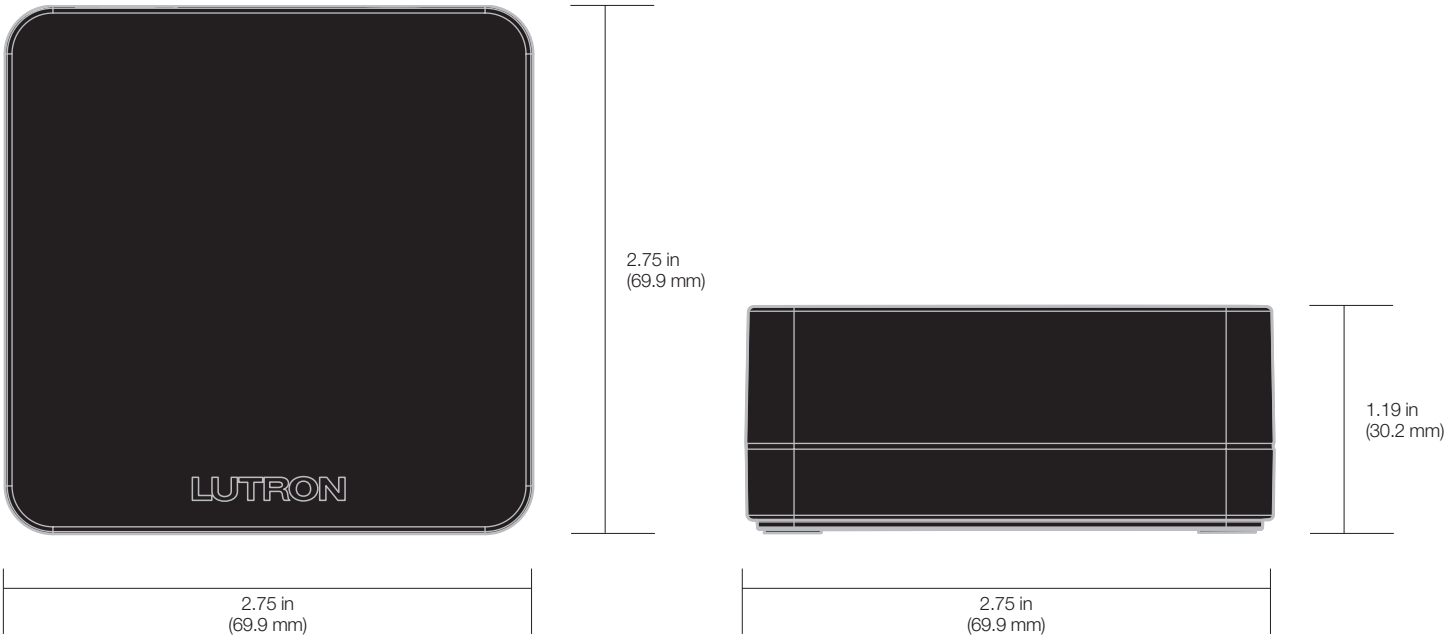
- Should power be interrupted, the RA2 Select main repeater will return to its previous state when power is restored

Connections

- Ethernet: 3 ft (0.92 m) cable included (for internet and Lutron App connection)
- USB (power only)

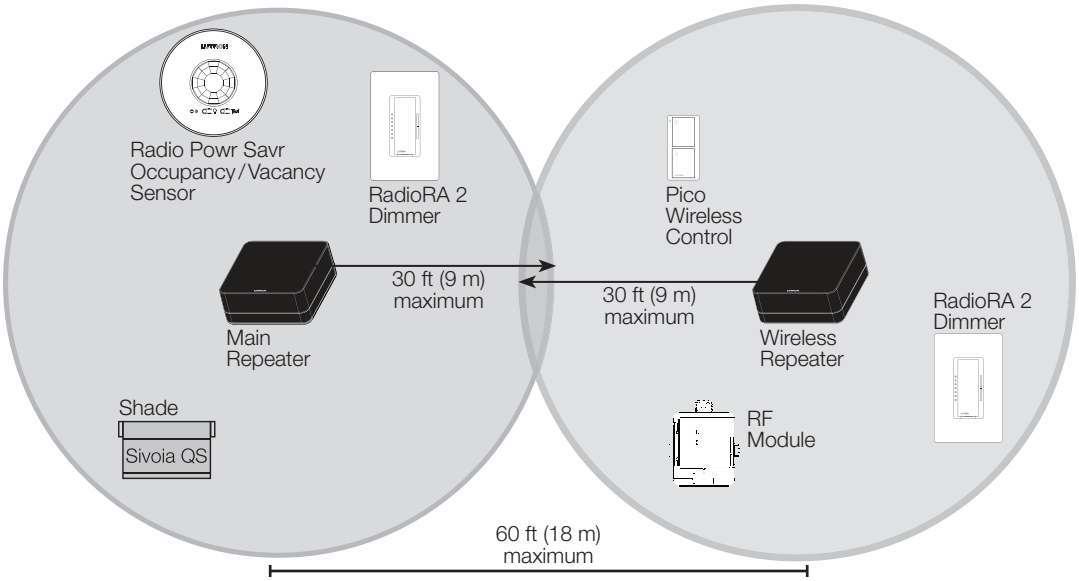
Job Name:	Model Numbers:	
Job Number:		

Dimensions



Job Name:	Model Numbers:	
Job Number:		

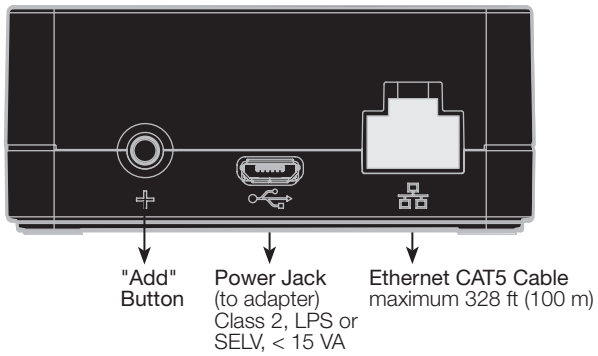
RF Range



All devices must be located within 30 ft (9 m) of a repeater. The range can be extended with up to 4 Lutron wireless repeaters (L-REPPRO).

Connections

Back View



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Job Number:		