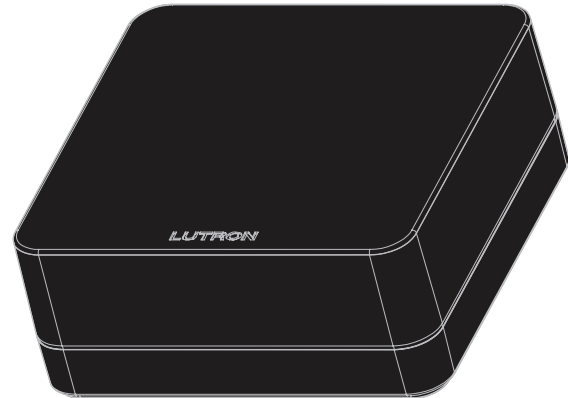# RA2 Select Main Repeater

The RA2 Select main repeater allows for setup, control, and monitoring of select lighting 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 dimmers, switches, occupancy/vacancy sensors, Pico wireless controls, 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.
- Time clock 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, Nest®, Sonos®, and more.
- Up to four wireless repeaters (Lx-REPPRO-BL) 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 with Power Supply	Country/ Region	Frequency Band
RRK-SEL-REP2-BL	United Kingdom and European Union	868 MHz
RRM-SEL-REP2-BL	China	868 Limited
RRQ-SEL-REP2-BL	Hong Kong and Israel	434 Limited
RRN-SEL-REP2-BL	India	865 MHz

Compatible Devices

- RA2 Select In-line dimmer
- RA2 Select In-line switch
- Lutron wireless occupancy and vacancy sensors
- Pico wireless controls
- Lutron wireless repeaters (up to 4 Lx-REPPRO-BL)
- Sivoia QS Triathalon and Sivoia QS Wireless roller shades, drapery track, Kirbé, and Roman shade systems.

* The Lutron app is required for setup and use with the RA2 Select main repeater. The Lutron app is compatible with iOSR devices version 8.0 or later and Android™ devices version 4.0 or later.
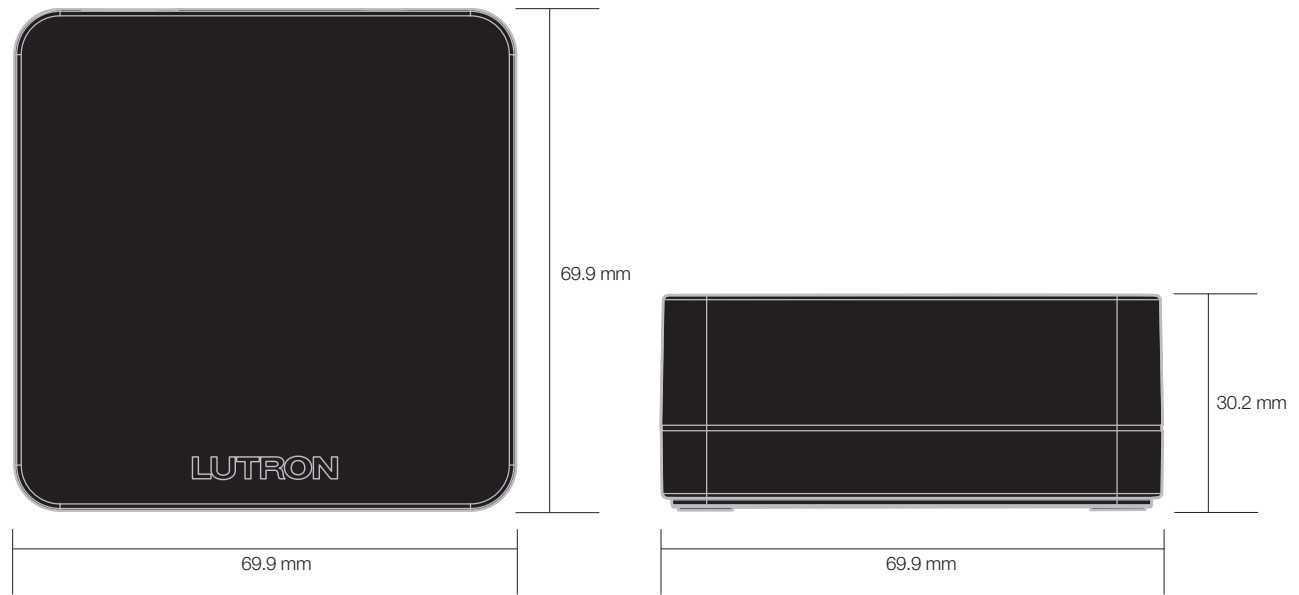
RA2 Select Main Repeater

Specifications

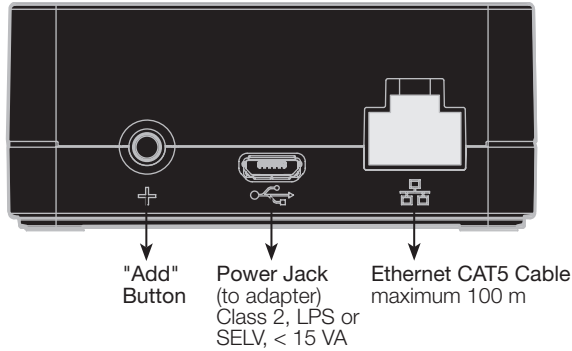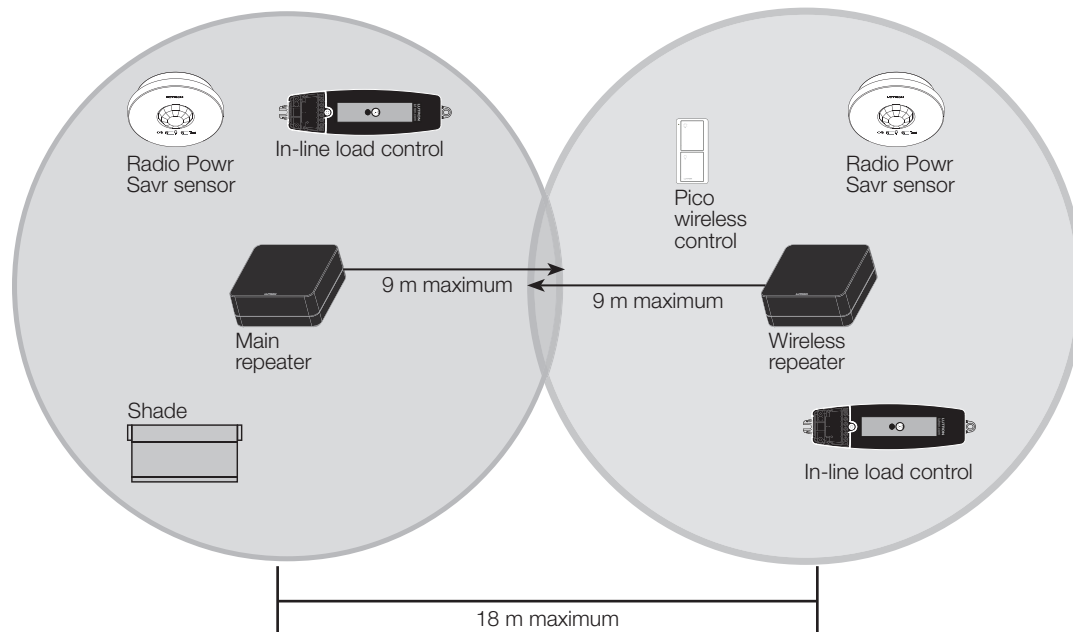|	
Power	5 V⎓ 300 mA
Typical Power Consumption	**RA2 Select Main Repeater:** 1.3 W Test conditions: LED on, Ethernet cable plugged in, powered by the 5 V⎓ adapter
Regulatory Approvals	CE, TRA, CITC (RRK- model only), and WPC Certified (RRN- model only)
Environment	Ambient operating temperature: 0 °C to 40 °C, 0% to 90% humidity, non-condensing. Indoor use only.
Communications	All devices must be located within 9 m of a repeater. All repeaters must be located within 18 m of another repeater. Internet connection required for initial setup, to maintain system date/time and receive periodic firmware updates
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 for Surge Voltages in Low-Voltage AC Power Circuits.
Power Failure	Power failure memory: should power be interrupted, the RA2 Select main repeater will return to its previously state prior to the interruption when power is restored.
Connections	Ethernet: 0.92 m cable included (for internet and Lutron App connection) USB (power only)
Warranty	www.lutron.com/TechnicalDocumentLibrary/Intl_Warranty.pdf

RA2 Select Main Repeater

Dimensions

69.9 mm

69.9 mm

30.2 mm

69.9 mm

RA2 Select Main Repeater

Connections

Back View

"Add"
Button

Power Jack
(to adapter)
Class 2, LPS or
SELV, < 15 VA

Ethernet CAT5 Cable
maximum 100 m

RF Range

Radio Powr
Savr sensor

In-line load control

Pico
wireless
control

Radio Powr
Savr sensor

9 m maximum

9 m maximum

Main
repeater

Wireless
repeater

Shade

In-line load control

18 m maximum

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