

RadioRA 2 Architecture for 120VAC and 434 MHz regions

RadioRA 2 System Capacities

- Essentials Software
 - 1 main repeater
 - 100 devices¹ or 100 zones² (includes 5 repeaters: 1 main, 4 auxiliary/wireless)
 - Project Extraction
- Inclusive Software
 - 2 main repeaters
 - 100 devices¹ or 100 zones² per main repeater (includes 5 repeaters: 1 main, 4 auxiliary/wireless per 100 devices¹)
 - Remote programming
 - Shared scene programming
- Both system types
 - RF range between repeaters is 60 ft. (18 m) and 30 ft. (9 m) to other devices¹, with a total possible coverage area of approximately 2,500 ft. (762 m²) per repeater.

¹device - Any system component that requires a single address. The repeater reserves a single address. Four addresses are reserved for auxiliary/wireless repeaters on the wireless link.

²zone - An output. An individual shade or dimmer/QSG/contact closure output.
Example: A GRAFIK Eye QS would be one device that could have up to six zones.

Key - Wiring

- Network link (Ethernet)
- - - - - Shade wiring (2 conductor)**
- - - - - Optional repeater link*
- - - - - RS-232

*GRX-CBL346S-500 Two pair: one pair #18 AWG
one pair #18-22 AWG twisted shielded
Pin-out: pin 1 - common, pin 2 - VDC,
pin 3 - MUX, pin 4 - MUX

**The wire gauge required for shades power conductors is dependent on shade size and number, wire run length, and power supply type being used. Consult technical specifications of shade equipment for details.

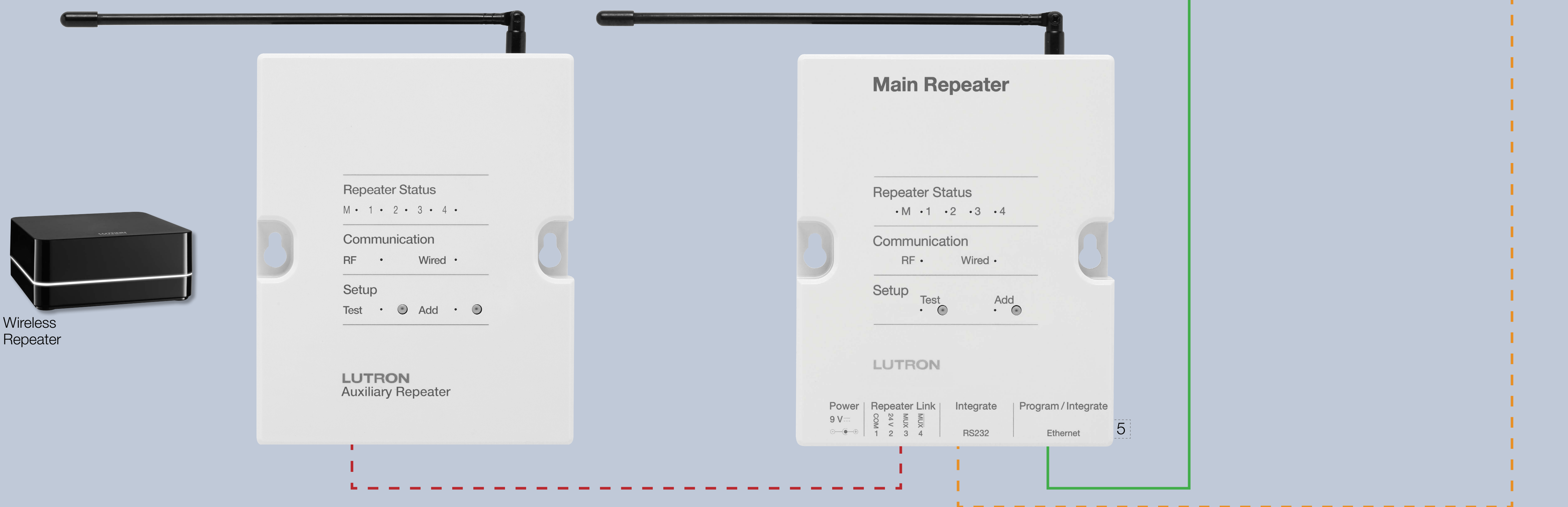
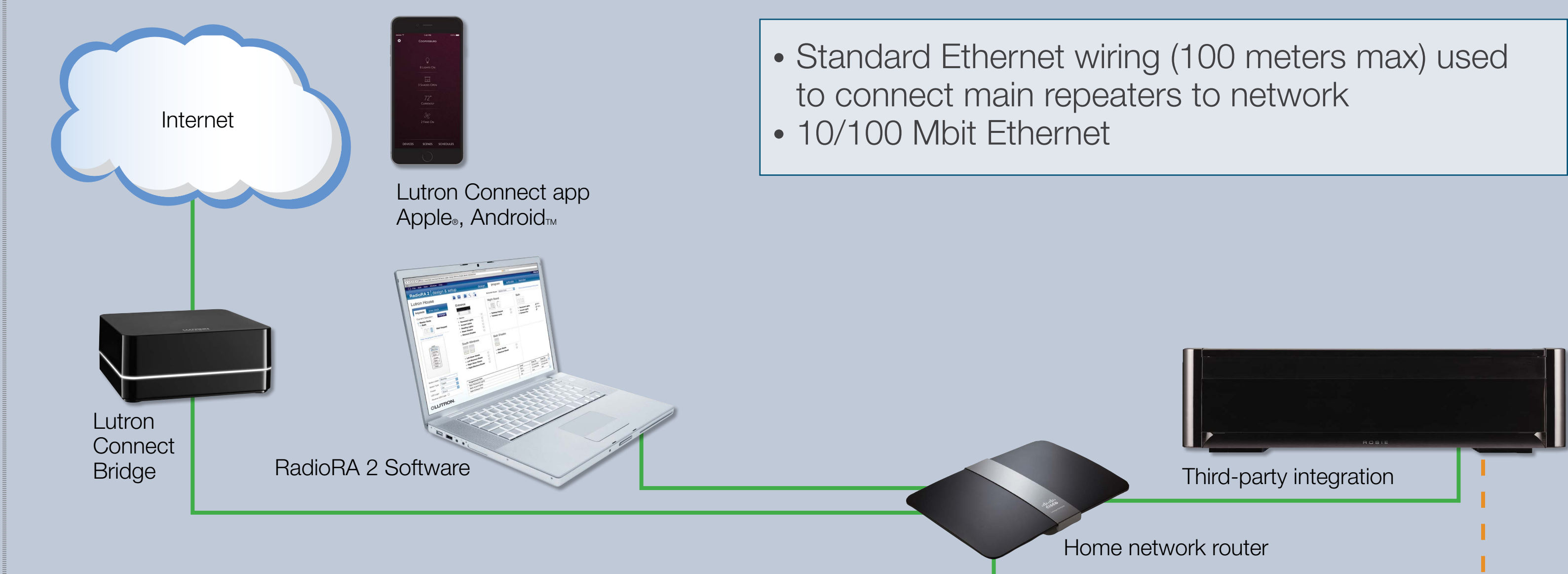
Key - Power

- 1 Line voltage 120VAC
- 2 Low voltage 24VAC
- 3 Low voltage 24VDC
- 4 Low voltage 12VDC
- 5 Plug-in transformer
- 6 Battery powered

RadioRA 2 Repeater

- 1 RJ-45 Ethernet port for programming/integration
- Two-way wireless communication
- RS-232 port for integration
- Optional repeater link to connect up to 4 auxiliary repeaters
- Powered by supplied 9VDC transformer

Network Link



Wireless Link

