

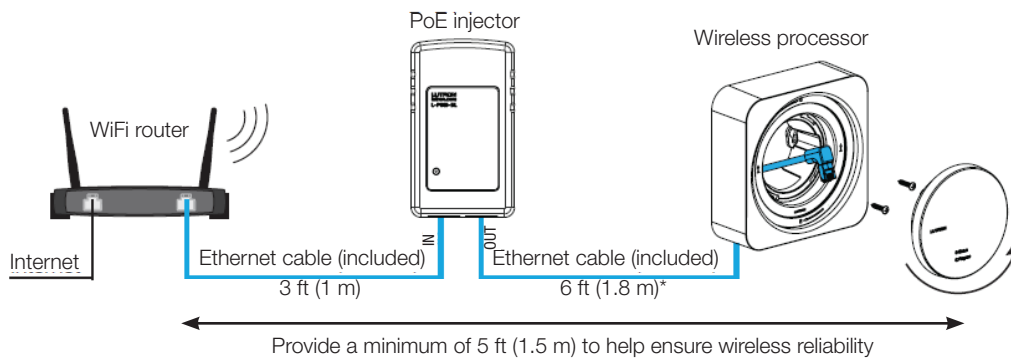
RadioRA 3 Wireless Setup Guide

Clear Connect is Lutron's ultra-reliable wireless brand of technology used to provide high-performance lighting control solutions to end users; it's wireless that just works. Clear Connect wireless allows the use of existing house wiring for the ultimate flexibility in new construction or retrofit/remodel applications. To help ensure reliable wireless performance of a RadioRA 3 system, please follow the requirements provided in this Setup Guide.

RadioRA 3 Device Types and Design Rules

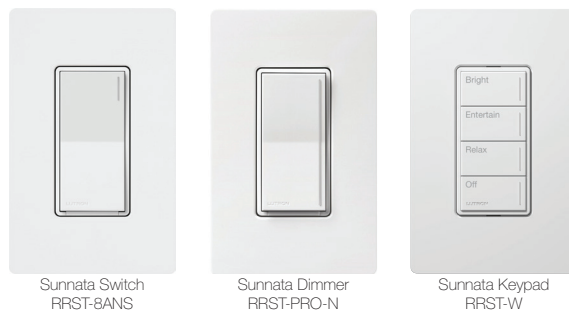
RadioRA 3 Wireless Processor (Clear Connect – Type A and Clear Connect – Type X)

- Reliability of Clear Connect wireless communication requires that the wireless processor be centrally located and within a maximum distance of the specific wireless devices in the system.
- Wireless processors must be mounted 5 ft (1.5 m) away from wireless interference sources like microwaves, Wireless Access Points (WAPs), WiFi routers, and other 2.4 GHz wireless devices.
- **DO NOT** mount Radio Powr Savr sensors within 4 ft (1.2 m) of HVAC vents, halogen or incandescent light bulbs, microwave ovens, WiFi routers, IOT cameras, or other non-Clear Connect wireless devices. When using Clear Connect – Type X devices, ensure sensor is mounted at a distance of 2 ft (0.6 m) or greater from the devices.
- PoE switch or injector requirements: Powered by an IEEE 802.3af, IEEE 802.3at or IEEE 802.3bt compliant Power over Ethernet.



* Note: Cannot exceed 100 ft (30.48 m)

Sunnata Keypads, Dimmers, and Switches (Clear Connect – Type X)



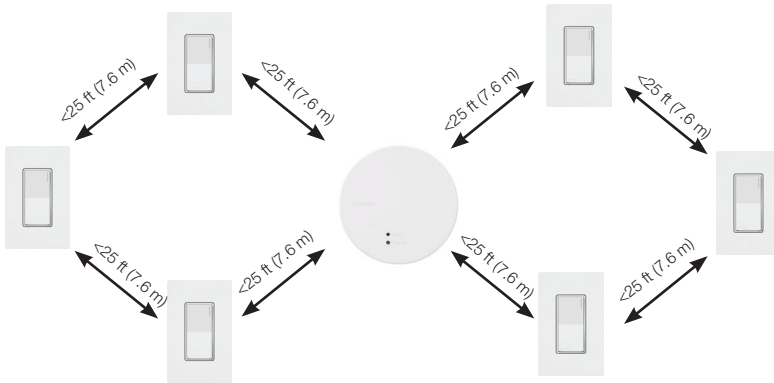
- Maximum of 100 Sunnata devices per processor
- Each Sunnata device must be within 75 ft (22.8 m) of the processor
- Each Sunnata device must be within 25 ft (7.6 m) of at least two other Sunnata devices, or the processor and one other device
- At least two Sunnata devices must be within 25 ft (7.6 m) of the processor
- To improve the wireless coverage of the system, install additional Sunnata devices to help meet the above wireless range requirements.

Note: The RadioRA 2 auxiliary repeater (RR-AUX-REP-WH), and Lutron wireless repeater (L-REPPRO-BL) do not extend the wireless range for Sunnata devices and may not be used to meet the above wireless range requirements for Sunnata devices.

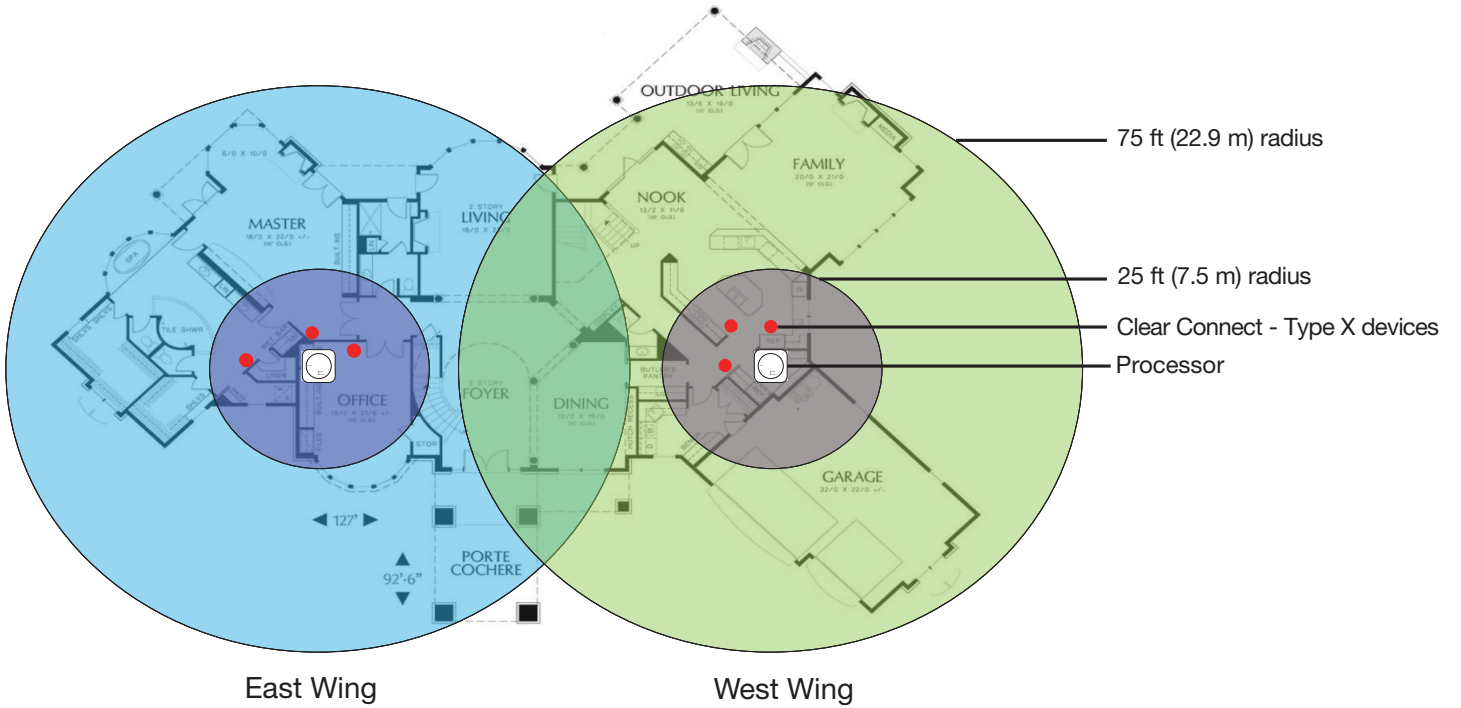
* Clear Connect – Type X devices do not extend the range of RadioRA 2 repeaters.

RadioRA 3 Device Types and Design Rules (cont.)

Sunnata Keypads, Dimmers, and Switches (Clear Connect – Type X)



Multi-Processor System

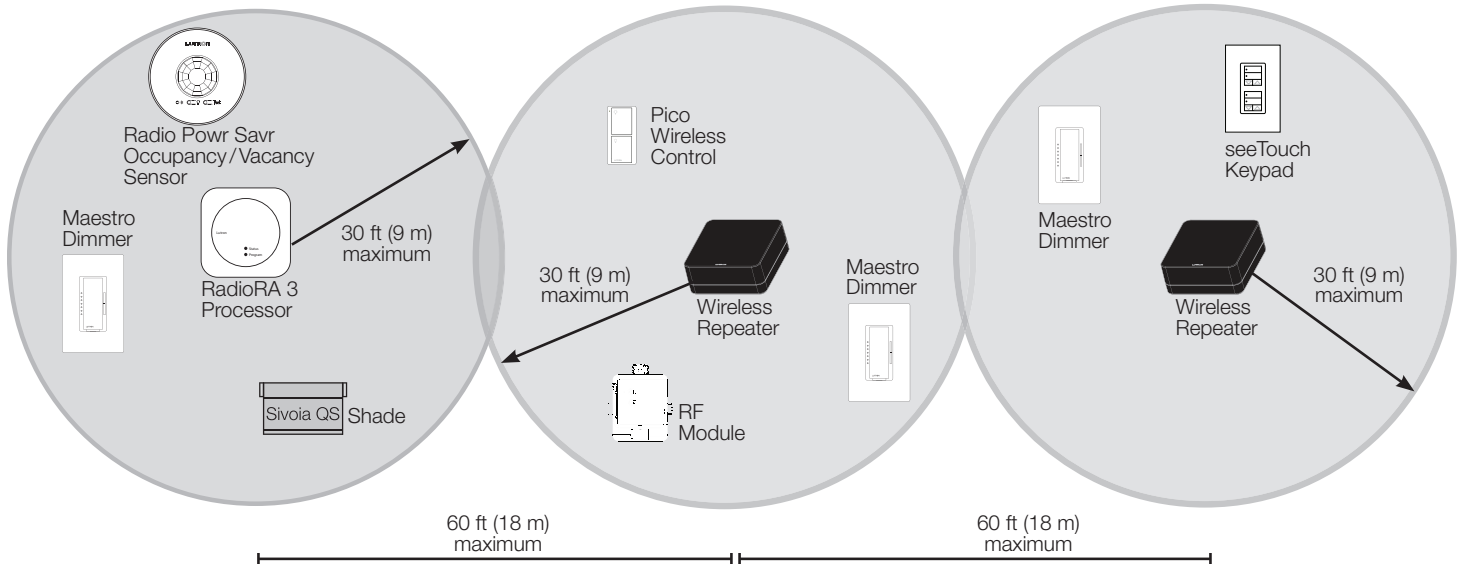


RadioRA 3 Device Types and Design Rules (cont.)

seeTouch, Maestro, Shades, Pico Wireless Controls, VCRX, and Sensors (Clear Connect – Type A*)



- Maximum of 100 Clear Connect – Type A devices or 100 zones per link (includes 4 auxiliary/wireless repeaters and 1 processor address).
- RF range between Clear Connect – Type A Repeaters is 60 ft (18 m) and 30 ft (9 m) to other devices, with a total possible coverage area of 2500 ft² (232 m²) per repeater/processor.
- Clear Connect – Type A devices and repeaters do not extend the range of Type X devices.



* Examples only; not a complete list of all Clear Connect – Type A devices.

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