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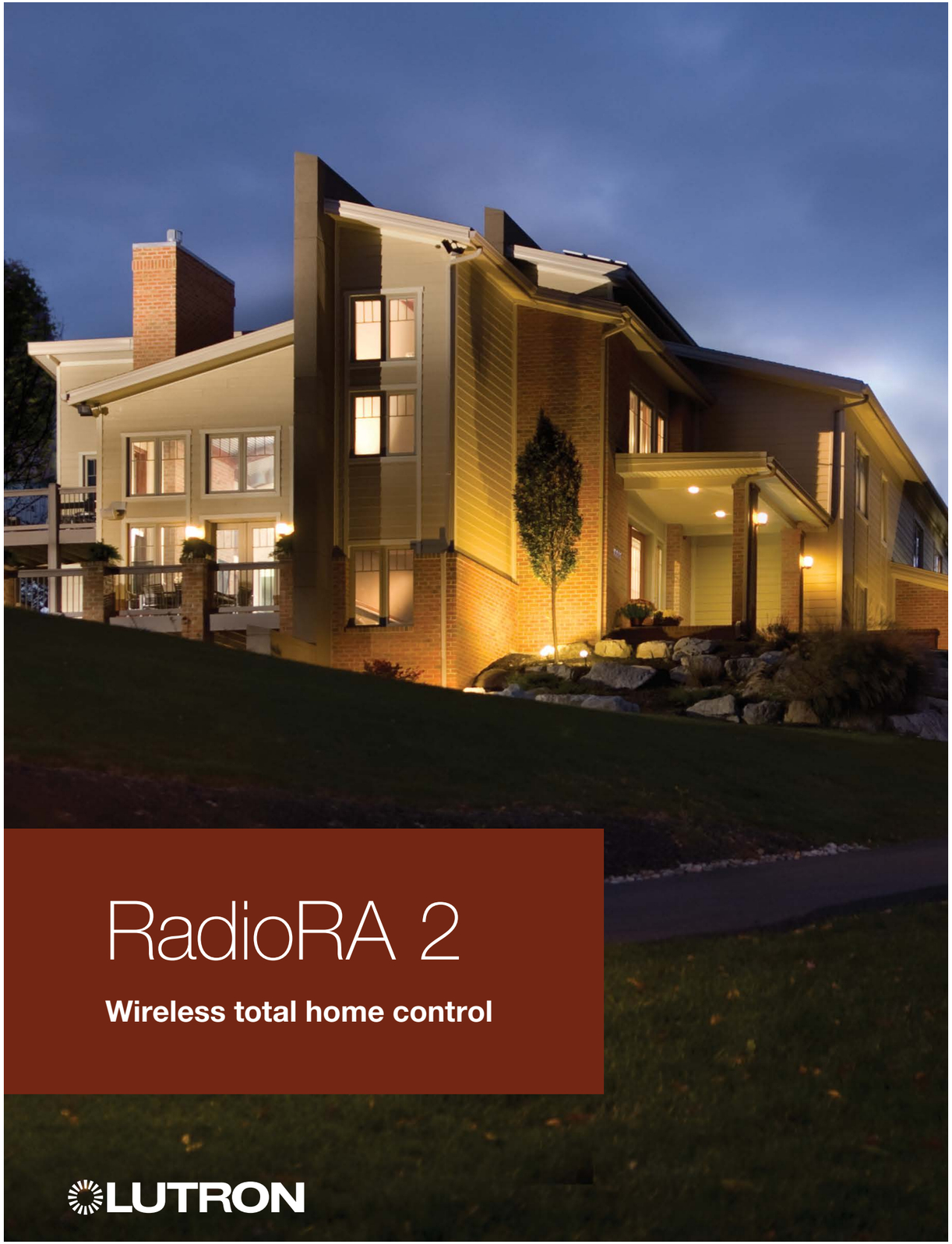


# RadioRA 2

## Wireless total home control

LUTRON

The benefits of total home control . . . 01
Home tour . . . . . 02
Colors and styles . . . . . 12
System components . . . . . 14
Technology you can count on . . . . . 28

Total home control is the ability to adjust the amount of daylight and electric light, the temperature, and the power used by appliances in a room, or throughout your home.

## With RadioRA 2, you can:

- **save energy** and lessen your impact on the environment. The energy-saving benefits of RadioRA 2 are brought to you through a combination of light, shade, temperature, and appliance control.
- **add convenience to your daily life.** With a total home control system, you can adjust lights, shades, and temperature to the specific level you want, in a particular room, or throughout your house — at the touch of a button.
- **create just the right mood or ambiance** for any activity — and do it with stylish products that will complement your home's décor.
- **add cutting edge technology to your home.** With RadioRA 2, you can control lights, shades, temperature, and appliances from wall-mounted, tabletop, or handheld controls, in a specific room — or remotely from another room — or even from outside your home. You can also incorporate voice and audio control into your system with other connected home products.

Ideal for existing homes and new construction.

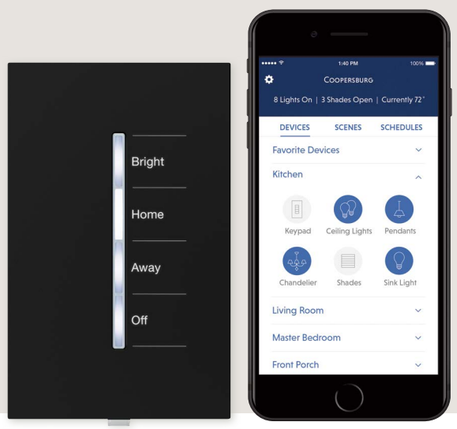
Because RadioRA 2 features Lutron wireless technology, the system installs just as easily into existing homes as it does into new construction.

# Entry: Warm and welcoming

## Control from inside or outside your home

Conveniently control and monitor your home's lights, shades, and temperature as you approach your home, from anywhere inside your home, or even while away.

The system's two-way communication lets you know if lights are left on, shades are open, or what the temperature is even when you can't see the areas being controlled.



GRAFIK T RF C•L hybrid keypad in Black; iPhone®, and Apple Watch® with Lutron Connect app

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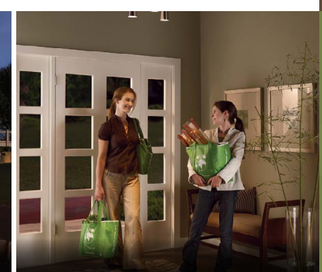
Turn on your lights from the comfort of your car.

Never walk into a dark house again.



Create a path of light from your foyer into your house.

### Energy-saving tip




**Scheduling**
Schedule lights to turn off and the temperature to turn back when you head out for work in the morning.

# Kitchen: The heart of your home

## Control for versatility

Whole home control adds a new level of versatility to your kitchen by making it easy to create the perfect atmosphere for different activities.

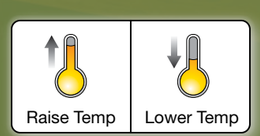
seeTouch keypad in Midnight with a Stainless Steel wallplate

Bright daylight illuminates work surfaces when preparing meals.

Soft lighting sets the mood for entertaining.

Closed shades provide privacy.

## Energy-saving tips




**Temperature control**
Wireless temperature sensors are easily placed in an optimum location. Because they're battery powered, they don't require wiring.

**Dimming**
Dimming allows you to have exactly the amount of light you want — where you want it — rather than wasting energy illuminating an entire room.

# Media room: Taking it easy

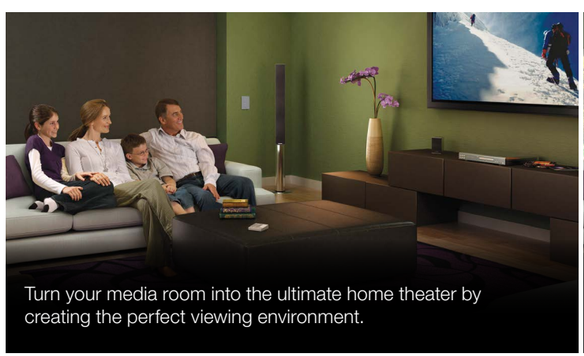
## Control for convenience

RadioRA 2 brings theater magic to your media room by dimming the lights as the show begins. Proper light levels and glare-eliminating shades create the perfect viewing environment.

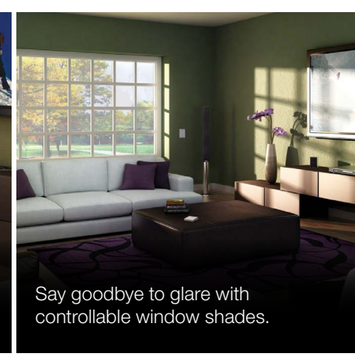
seeTouch tabletop keypad in Midnight

Touch panel control

**Integration with other systems**
RadioRA 2 integrates with a wide variety of universal remote controls, allowing you to control lights, shades, temperature, and audio-visual components all from your favorite remote. We work with other manufacturers to make sure our products integrate reliably. Please see page 30 for a list of our integration partners.



Turn your media room into the ultimate home theater by creating the perfect viewing environment.



Say goodbye to glare with controllable window shades.

## Energy-saving tips




**Plug-in appliance module**
Many electronic devices, such as stereos, use energy even when they appear to be off. By plugging these devices into the appliance module you can completely shut off power — and be sure the devices aren't wasting energy.

Easily conceal the plug-in appliance module behind furniture.

# Sunroom: Entertaining friends

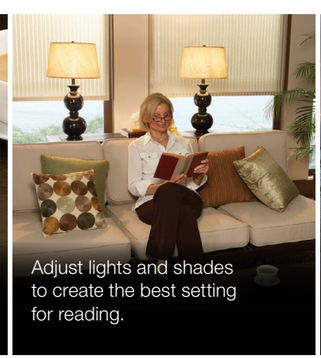
## Control for indoor/outdoor living

Add RadioRA 2 to a room and you've just increased its flexibility. Adjust lights and shades to create the best setting for reading. When entertaining, soften lights in spaces where guests are relaxing, and raise shades to enjoy the sunset.

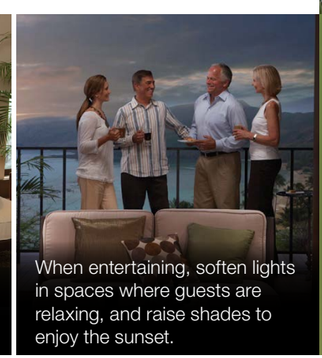
You can also conveniently control your ceiling fan with our wall control, which makes it easy to fine-tune the room temperature without the hassle of pull chains.

3-button keypad in Limestone

Integration with a universal remote control provides added flexibility.

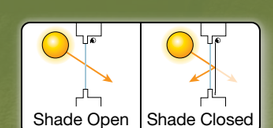


Adjust lights and shades to create the best setting for reading.



When entertaining, soften lights in spaces where guests are relaxing, and raise shades to enjoy the sunset.

## Energy-saving tips

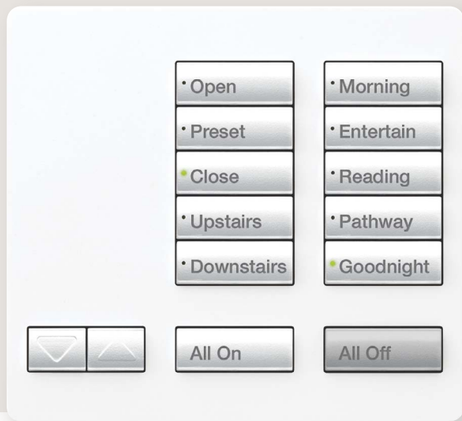



**Shade control**
In summer, close shades to block the sun, which will reduce cooling costs. In winter, open shades to let daylight warm your home – then close them in the evening to retain the heat.

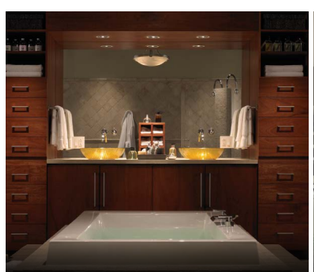
# Master suite: Rooms for relaxing

## Control in your bedroom — and bathroom

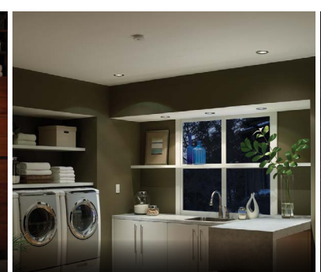
The convenience of whole home control means you can monitor lights, shades, heating, and cooling from anywhere in your home — including the comfort of your bed. You can also set lights and shades in the bathroom to the perfect level for creating a soothing retreat.




seeTouch tabletop keypad in Snow



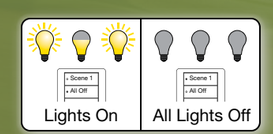
Set lights and shades in the bathroom to the right level for relaxing.



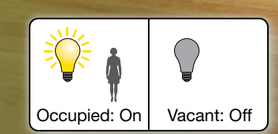
Turn lights off in rooms you may have forgotten about from the comfort of your bed.

Press a keypad button and wake up to soft light.

## Energy-saving tips




**"Goodnight" button**
Press the "Goodnight" button on a tabletop keypad after you climb into bed, and you can rest assured that all of the lights are off.

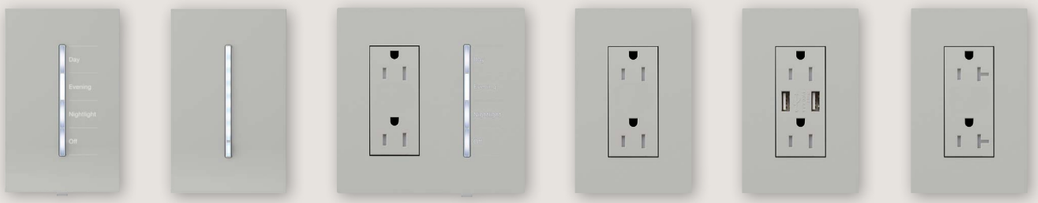



**Occupancy/Vacancy sensors**
Radio Powr Savr occupancy/vacancy sensors turn off the lights when the room is empty. They are ideal for rooms where lights are often left on, such as bathrooms or a child's room.

# Colors and styles

RadioRA 2 keypads, dimmers, and accessories come in beautiful color palettes, while shades are available in a wide variety of fabrics and styles (see page 26). You can choose colors and fabrics to complement a room's look and feel and to coordinate with the overall style of your home.

**New Architectural style devices and accessories**



GRAFIK T RF C•L hybrid keypad, GRAFIK T dimmer, 15 A receptacle ganged with GRAFIK T RF C•L hybrid keypad, 15 A receptacle, 15 A USB receptacle, 20 A receptacle in Gray

**Architectural Matte**

White, Light Almond, Almond, Beige, Ivory, Taupe, Gray, Sienna, Brown, Black

**Glass**

Clear Black, Clear White

**Designer style devices and accessories**

seeTouch keypad, Maestro dimmer, receptacle, phone jack, and cable jack in Mocha Stone

**Designer Gloss**

White, Light Almond, Almond, Ivory, Gray, Brown, Black

**Glass**

Clear White

**Satin Colors**

Hot, Merlot, Plum, Taupe, Eggshell, Biscuit, Snow, Palladium, Midnight, Sienna

Terracotta, Greenbriar, Bluestone, Mocha Stone, Goldstone, Desert Stone, Stone, Limestone, Stainless Steel

# System components

When you choose RadioRA 2, you're selecting a comprehensive system comprised of keypads, light controls, sensors, fan controls, temperature controls, appliance controls, and shades.

RadioRA 2 was developed so that you can choose the specific components you want in order to create the system that will best suit your lifestyle.

**Keypads**
pages 16–19

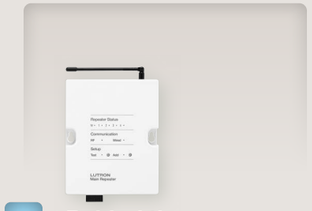
**Light controls**
pages 20–22

**Appliance control**
page 21

**Fan control**
page 23

**Sensors**
page 23

**Temperature controls**
page 24



**Behind the scenes**
page 25

**Automated shades**
pages 26–27

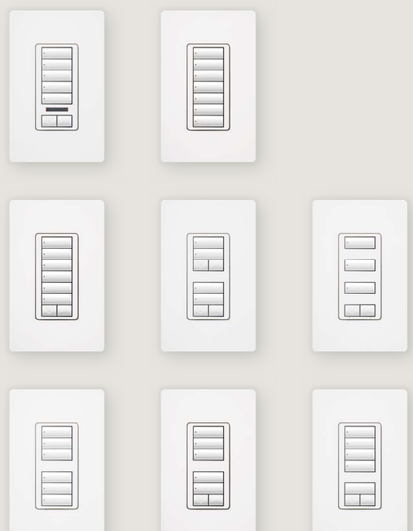
# System components

## Keypads

Use wall-mounted or tabletop keypads to adjust lights, ceiling fans, or shades. Handheld controls and the car visor transmitter are convenient ways to adjust lights and shades. Keypads are available in a wide variety of button configurations and colors.

**seeTouch wall-mounted keypads** install in a standard wallbox to provide control of lights and/or shades individually or in preset scenes. They feature backlit buttons and personalized engraving.

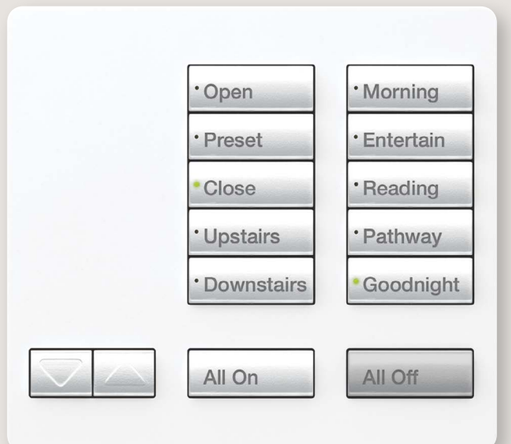
Shown actual size: 5-button keypad with raise/lower



Available button configurations

## Keypads (continued)

**seeTouch tabletop keypads** are powered by standard AAA batteries or an included plug-in adapter. Tabletop keypads provide convenient, portable control of the system with backlit buttons and personalized engraving.




Shown actual size: Tabletop keypad with 10 scene buttons, as well as on/off and raise/lower buttons

The **car visor transmitter** is a three-button, battery-powered control that provides control of lights and shades from your car. HomeLink® compatibility in the visor control receiver (see page 25) allows your car's built-in buttons to adjust lights and shades.

Shown actual size: Car visor transmitter

# System components

## Keypads (continued)

**Pico wireless controls** are battery-powered (10-year battery life) remote controls that can be mounted to any wall surface, placed on a pedestal for tabletop use, or used as a handheld control. A wall-mount option provides the convenience of additional “3-way” control of lights with no new wiring.

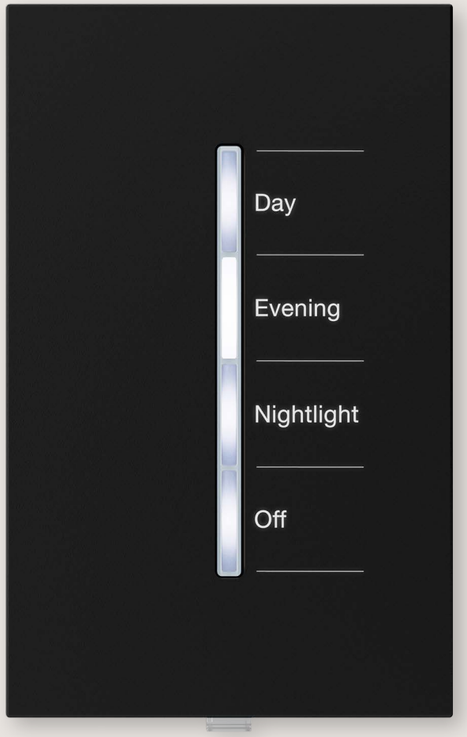
Shown at 65% actual size: Triple pedestal-mounted light, shade, and audio Pico wireless controls (single and dual pedestals also available)

Shown at 65% actual size: Handheld Pico wireless control and scene keypad

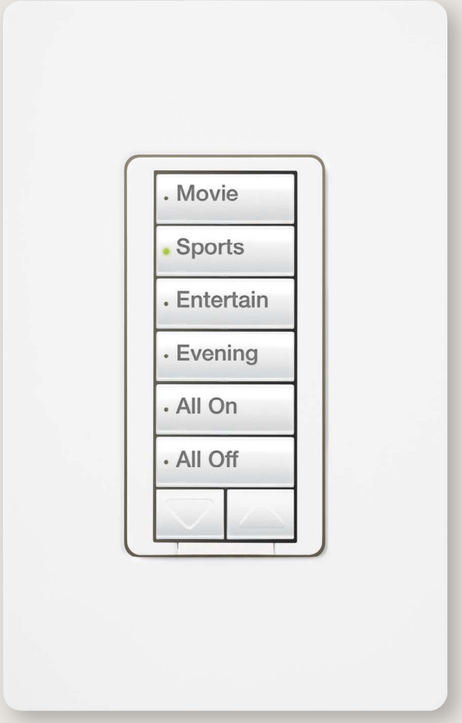
## Light controls

Light controls provide the basic building blocks for the RadioRA 2 system. Dimmers, switches, and other components are available in a variety of colors and finishes.

The **wall-mounted C·L hybrid keypad** replaces a standard switch. With the hybrid keypad you can turn your lights on, off, dim them, or create specific scenes. You can also control other lights throughout your home — as well as shades — using this keypad.




Shown actual size: Wall-mounted GRAFIK T RF C•L hybrid keypad with personalized engraving



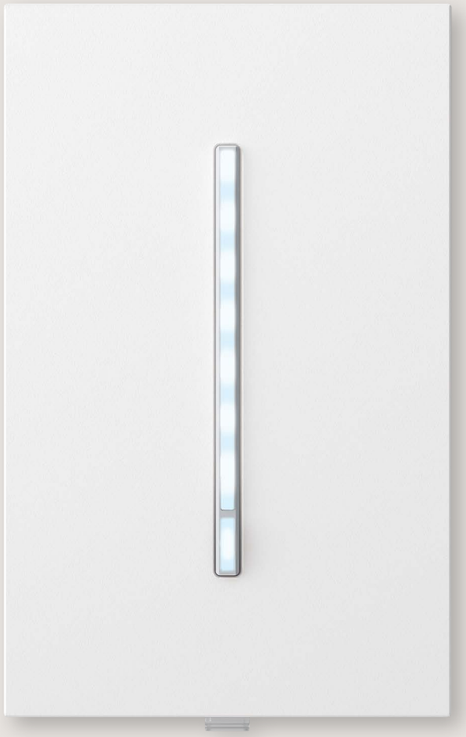

Shown actual size: Wall-mounted seeTouch C•L hybrid keypad with personalized engraving

# System components

## Light controls (continued)

A **wall-mounted dimmer** installs in place of a standard light switch to provide dimming control of the attached lighting, as well as system control from keypads and other devices.

Shown actual size: Maestro wall-mounted dimmer



Shown actual size: GRAFIK T wall-mounted dimmer/switch

## Light controls (continued)

The **tabletop lamp dimmer** provides direct dimming control of an attached table lamp, and provides system control of the lamp from keypads and other devices.

The **plug-in dimming module** plugs into a standard receptacle and provides connection for floor or table lamps. Connected lights can be controlled only from keypads, sensors, and other system devices.

## Appliance control

Appliance controls save energy by shutting off standby power to electronic appliances such as printers and computer monitors when they're not in use.

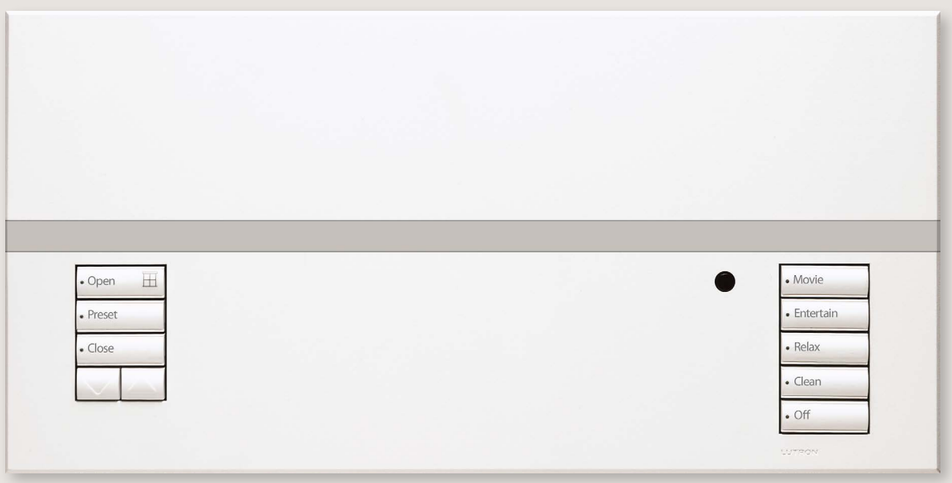
The **plug-in appliance module** plugs into a standard receptacle and provides connection for electrical appliances. Plug-in modules are designed to be concealed behind furnishings. The connected appliance can be switched off only from keypads, sensors, and other system devices.

# System components

## Light controls (continued)

**GRAFIK Eye QS Wireless control units** provide integrated control of multiple groups of lighting fixtures and shading groups within a single room. Individual lighting loads and shade groups can be controlled directly from the unit's controls, hidden below a hinged cover.

Above: control shown with cover open




Shown at 65% actual size: GRAFIK Eye QS Wireless control unit with one shade zone and personalized button engraving (control shown with closed cover)

## Fan control

**Fan controls** are a convenient way of controlling ceiling fans without the hassle of pull chains.

The wall-mounted fan control works with ceiling fans up to 2 amps, provides four quiet speeds, and doesn't require any additional wiring.

Shown at 65% actual size: Wall-mounted fan control

## Occupancy/vacancy sensors

Sensors provide automated energy savings and added convenience. **Radio Powr Savr wireless occupancy/vacancy sensors** are battery powered (10-year battery life) and can be installed without the need for any wiring.

These sensors work with RadioRA 2 light controls to turn lights on when people enter a room and turn lights off automatically when the room is empty. Available in ceiling, corner, and hallway mount configurations for appropriate sensor coverage in any room.

Shown at 65% actual size: Radio Powr Savr wireless occupancy/vacancy sensor (ceiling mounted and wall mounted)

# System components

## Temperature controls

Add a Lutron thermostat to your RadioRA 2 system for convenient temperature control from mobile devices.

**Lutron Wireless Thermostat** allows for the ability to adjust temperature settings via a mobile device — whether home or away. Offering a large, backlit touchscreen display for precise comfort control of temperature and humidity, this thermostat works over any existing Wi-Fi network.

## Behind the scenes

The **main repeater** provides open integration with other systems, devices, and the web. The included astronomic timeclock allows system control based on time of day, as well as sunrise/sunset. The main repeater is required for system set up and operation.

The **auxiliary repeater** extends system radio frequency (RF) range in larger applications, outdoor spaces, and between buildings. It can be used wirelessly within the home or be wired to another repeater to span longer distances.

The **visor control receiver** provides system control from the car. The security feature turns on and flashes selected lights when the security system is activated. Contact closure outputs enable remote control of garage door openers.

The **Lutron Connect Bridge** provides free remote access for mobile apps. It also synchronizes the system timeclock with internet timer servers.

# System components

## Automated shades

Sivoia QS Wireless and Sivoia QS Triathlon (our battery-powered shades) offer ultra-quiet, precision control of Lutron window treatment styles at the touch of a button.

For more information on Sivoia QS Wireless and Sivoia QS Triathlon shades go to lutron.com/shades.

**Roller shades** provide precision control of daylight with near-silent operation. Battery-powered option available.

**Honeycomb shades** offer superior insulation with honeycomb design in elegant textures and colors. Battery-powered option available.

**Drapery track systems** add a traditional look with pinch pleat or ripplefold styles.

**Kirbé vertical drapery systems** lift fabrics up to provide a complete view.

**Wood blinds** tilt slats independently of blind height, providing complete control of light levels in a space.

**Horizontal sheer blinds** combine the soft elegance of a sheer with the precision control of a blind.

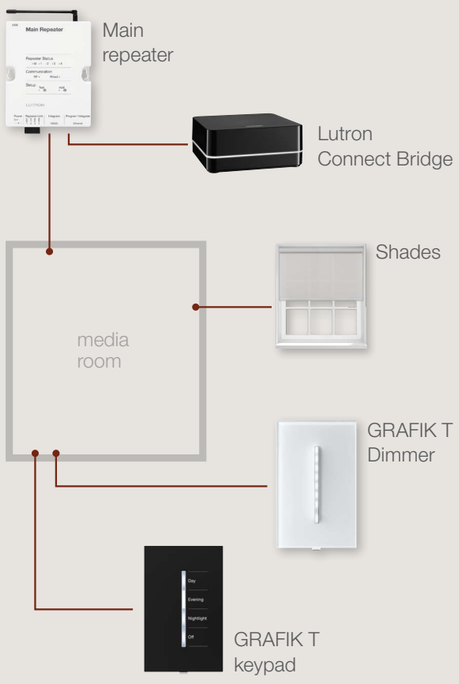
**Roman shade systems** allow for more reliable, smooth, and virtually silent movement of Roman shades.

**Tensioned shades** reliably control daylight and heat gain through skylights and angled windows.

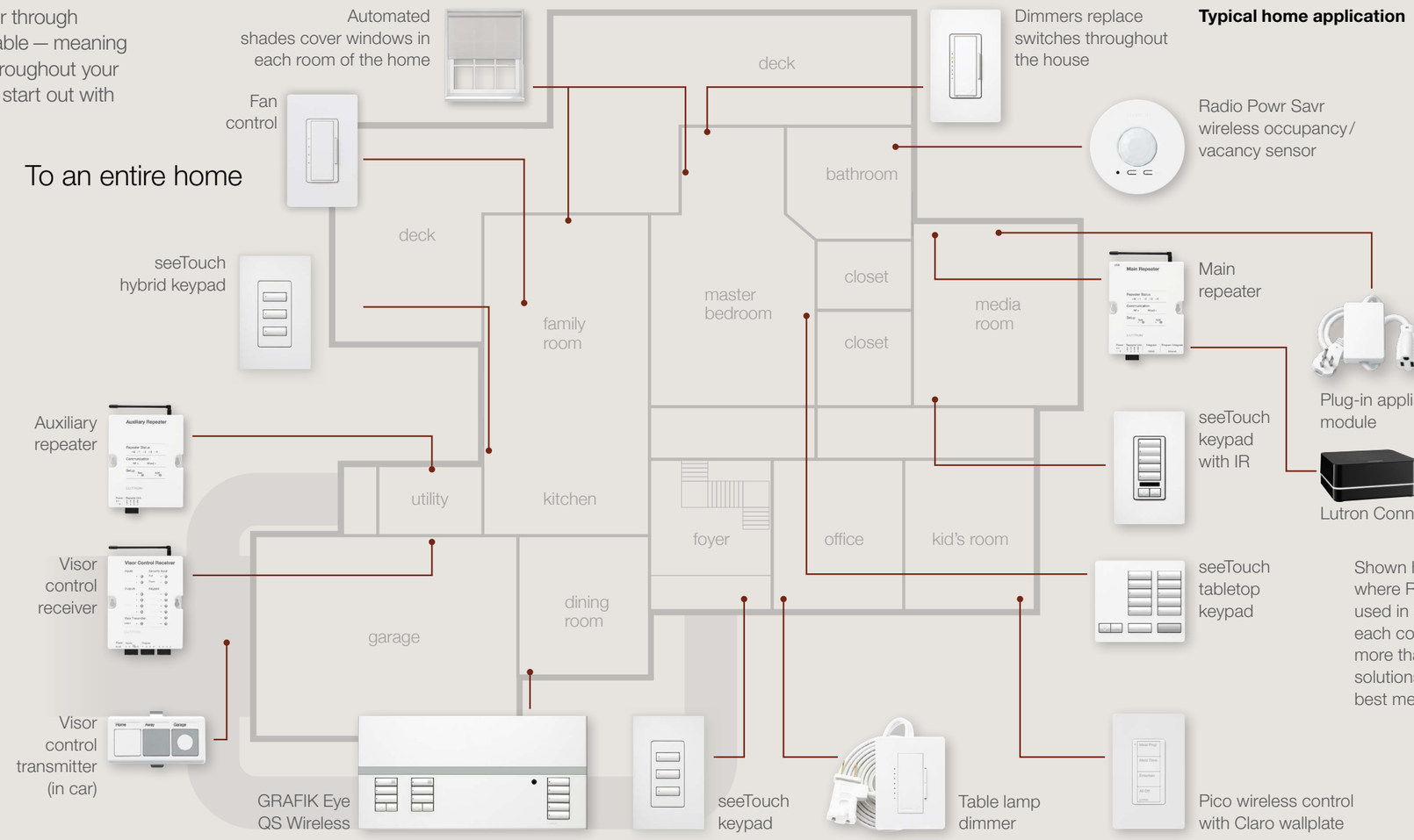
# Technology you can count on

The components in RadioRA 2 “talk” to each other through RF — or wireless — technology. RadioRA 2 is scalable — meaning you can use it in a single room, a few rooms, or throughout your entire home. Plus, you can expand your system — start out with a single room and add other rooms in the future.

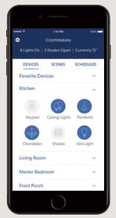
## From a single area




## To an entire home




**Typical home application**



Control your RadioRA 2 system anywhere — from inside or outside your home using mobile device or tablet apps.

Shown here is an example of where RadioRA 2 components are used in a typical home. Because each component can be used in more than one room, you can create solutions for each room that will best meet your needs.

# Enhanced system functionality

## Open integration

Lutron works with many other manufacturers to ensure that our systems integrate reliably with a wide variety of remotes and automation systems.

- Alarm.com
- Amazon
- AMX
- Apple HomeKit
- Autonomic
- Bang & Olufsen
- Carrier
- Clare Controls
- Control4
- Converging Systems
- Crestron Electronics
- Dana Innovations
- ELAN
- ELK
- Google Assistant
- Honeywell
- iSimplex
- Josh.ai
- Key Digital
- OnControls
- ProControl
- RTI
- Savant
- Simple Control
- Sonos
- URC
- Wall Smart

RadioRA 2 can be integrated with popular control and automation systems to make light, shade, and temperature control part of the experience.

IR remote control

LaunchPort™[1] Sleeve with buttons

Touch panel control

A/V equipment

[1] LaunchPort is a trademark of Dana Innovations DBA iPort in the United States and other countries. All rights reserved.

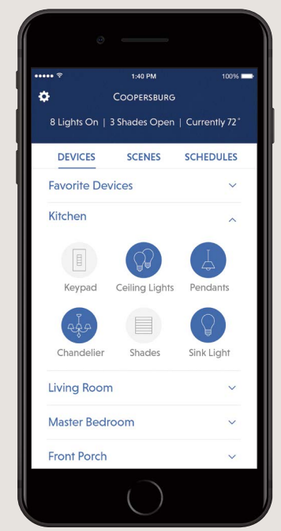
Security system keypad

RadioRA 2 integrates directly with select security panels to provide an enhanced security experience and additional lifestyle benefits in the home. RadioRA 2 acts as an extension of the security keypad, so you can save energy, create privacy, and add comfort every time you use your security system.

Alarm.com, ELK, and Honeywell platforms supported.

## Connect with your home

With the Lutron Connect app*, you can connect with your home on a whole new level and monitor your RadioRA 2 system in real time right from your mobile device — while at home or away. You will also enjoy other great features, including:




* Lutron Connect Bridge required. Android is a trademark of Google Inc.

**FREE remote access**
Convenient control from anywhere with iOS or Android™ devices.

**Arriving/Leaving Home Functionality**
Automatically adjusts lights, shades, and temperature when you arrive or depart a predetermined area. Or, automatically sends notifications to your phone asking you to confirm if you would like to adjust your system.

**Keypad Builder and Level Editor**
Keypad Builder allows you to easily adjust your system's keypad, timeclock, and thermostat programming, while the Level Editor lets you create new light and shade scenes on your own.

**HomeGlance and Widget support**
Easy access to favorite scenes from your home screen.

**Battery status alerts —**
Receive low battery alerts for Pico wireless controls, Radio Powr Savr occupancy/vacancy sensors, and Sivoia QS Triathlon shades.

**Voice Control**
No need to press a button to adjust light, shade, or temperature control scenes. Simply use your voice.

amazon alexa

works with Hey Google

Works with Apple HomeKit

Works with SONOS

**Audio Control**
Directly control any Sonos Home Sound System. You can even incorporate audio into scenes.

# The Lutron Difference

## 50 Years of Innovation

Lutron invented the solid-state dimmer over 50 years ago, and since then we have developed a peerless reputation for quality and service. Lutron holds over 2,700 worldwide patents. In addition to the solid-state dimmer, Lutron innovations also include the first electronic dimming ballast for fluorescent lights and the first self-contained preset lighting control system.

We are proud to be the provider of lighting controls for the White House, the Statue of Liberty, the Guggenheim Museum in Spain, Louis Vuitton stores, and many other world-renowned locations.

**Lutron Quality**
All Lutron products are designed and manufactured to the highest quality standards. Lutron was one of the first 20 companies in the U.S. to earn the ISO 9001 international quality certification. Currently 9001:2000 certified, we have the highest confidence in the quality of our products.

**World Class Service**
Lutron offers a broad portfolio of services to support our clients from initial design through implementation, ongoing management, and continual improvement of their total light environment. Worldwide technical assistance is available via a 24/7 technical hotline.

**Patented Clear Connect Technology**
For over 20 years, Clear Connect Wireless technology has been the benchmark for wireless lighting control solutions with an architecture that implements a network of signal repeaters to ensure reliable communications throughout any home.

**Revolutionary Shading Technology**
Your shading systems should be seen, not heard. Sivoia QS quiet electronic drive systems are rated at an incredibly low, 38 dBA sound level at a distance of 3 feet. That's similar to the ambient noise level of a quiet bedroom in your home. Precision mechanisms and state-of-the-art electronics result in shade positioning accurate to 1/16 of an inch.