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The benefits of total home control



seeTouch® wall-mounted keypad in stone with personalized engraving

Create lighting scenes to match any mood or activity at the touch of a button.

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 outside your home.

Ideal for existing homes and new construction

RadioRA 2 features Lutron wireless technology, enabling easy installation into existing homes and new construction.

The basics of energy savings



Light control

Dimming a standard halogen or incandescent light bulb by 25% saves 20% lighting energy. Dim more and save even more. Sensors and a timeclock also help save energy by turning off lights when they are not needed.

Potential energy savings: 20%

Shade control

Controllable window shades can save you 10% on heating and cooling costs by blocking the sun's rays in summer or letting them in to warm a room during colder months.¹

Potential energy savings: 10%

Temperature control

Temperature control is the perfect complement to light and shade control, because it provides the ability to adjust heating and cooling systems any time of day—even while away from home, saving up to 16% or more of heating and cooling energy usage.²

Potential energy savings: 16%

Appliance control

Many appliances—like computer monitors—consume energy 24 hours a day amounting to 10% of a typical home's electricity use.³ Turning off this standby power as part of a total home control system saves energy.

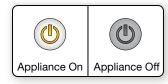
Potential energy savings: 10%

- 1 Lutron commissioned simulation by T.C. Chan Center for Building Simulation and Energy Studies, University of Pennsylvania, September 2008.
- 2 www.energystar.gov
- 3 www.standby.lbl.gov

The energy-saving solutions listed below use a combination of light, shade, temperature, and appliance control to capitalize on energy savings in your home, without sacrificing comfort or convenience.



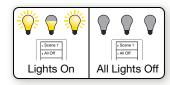
Dimming incandescent or halogen bulbs by 25% saves 20% electricity. Dimming more saves even more.



Appliance control turns off standby power to electronic appliances when you're not using them.



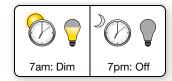
CFLs and LEDs already use less energy than standard bulbs, so dimming these highly efficient bulbs saves additional energy.



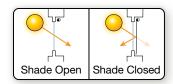
The "All Off" button turns all lights off with a single touch.



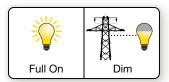
Occupancy sensing turns lights and standby power from electronic appliances off when a person leaves the space.



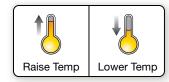
Scheduling can dim or turn off lights and standby power from electronic appliances when they're not needed, as well as set back the temperature when not as much heating or cooling is needed.



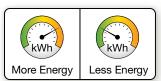
Controllable window shades reduce heating costs in winter and cooling costs in summer.



Demand response automatically reduces energy use from lights, shades, and heating/cooling systems during peak electricity usage times.



Temperature control automatically sets back the temperature when heating or cooling a room, so you use less electricity.



The "Green" button reduces energy use from lights, shades, and heating/cooling systems with a single touch.

During your tour through a RadioRA 2 home, the recommended energy-savings solutions in each room will be indicated by the icons shown above.

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.



seeTouch® keypad in greenbriar; iPhone® with Lutron® Total Home Control app



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.

Entry Keypad

Favorite

Welcome

Pathway

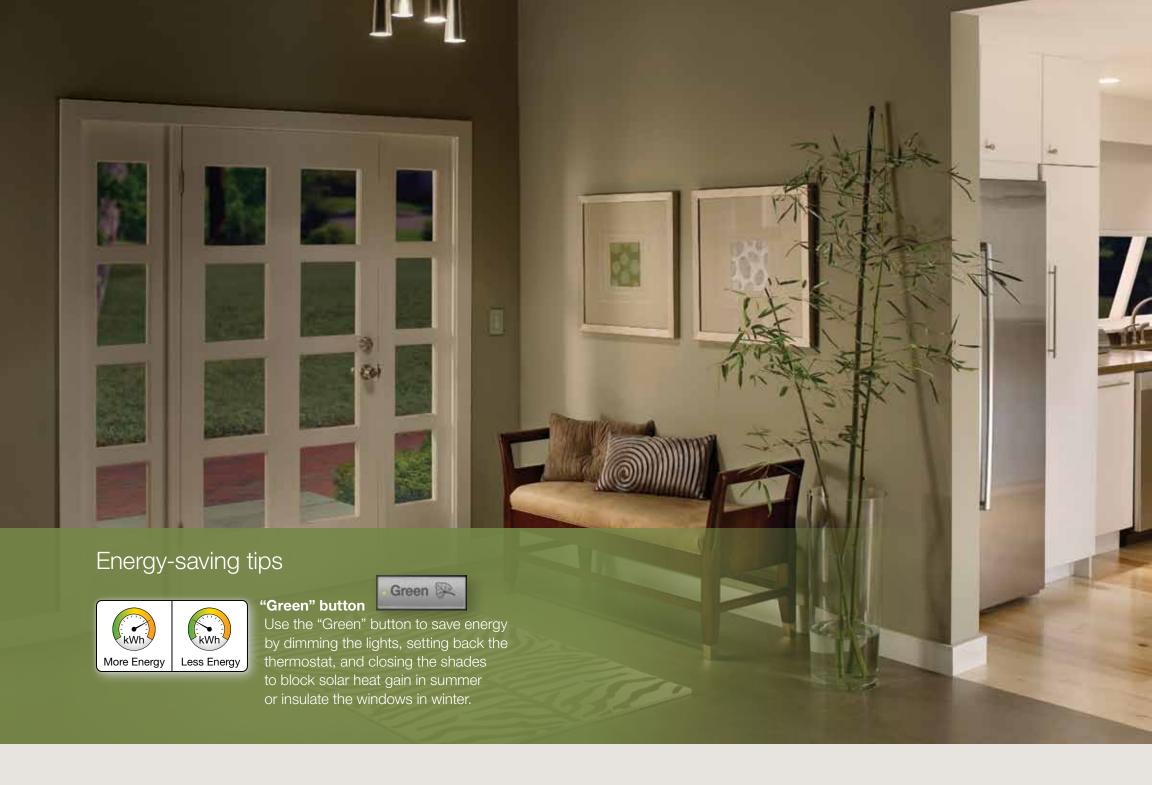
Entry

Green

Away

All Off

Foyer



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.

And with temperature control, you can stay comfortable as things heat up—just turn the thermostat down a few degrees right from your seeTemp™ wall display.



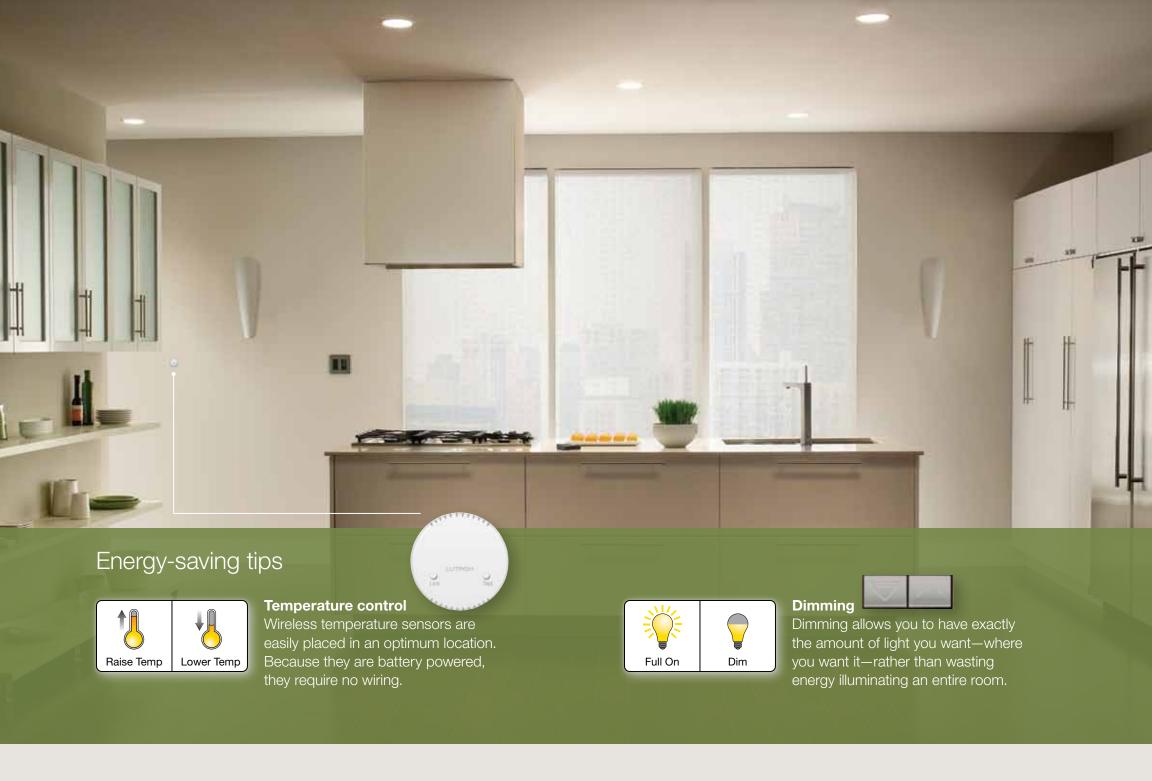
Temperature sensor; seeTouch® keypad and seeTemp display in midnight with a stainless steel wallplate



Bright light illuminates work surfaces when preparing meals.

Elegant sconces and sheer shades set the mood for entertaining.

Soft lighting and blackout shades offer relaxation and privacy.



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.



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. Go to page 14 for a list of our integration partners.

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seeTouch® keypad with IR in midnight with a stainless steel wallplate

Family

Movie

Sports

Gaming

Relax

Turn your media room into an ultimate home theater by creating the perfect viewing environment. Say goodbye to glare with controllable window shades.



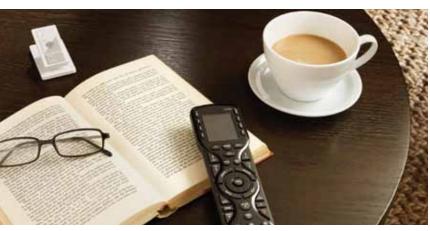
Sunroom: Entertaining friends

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.







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.



Master suite: Rooms for relaxing

Control in your bedroom—and bathroom

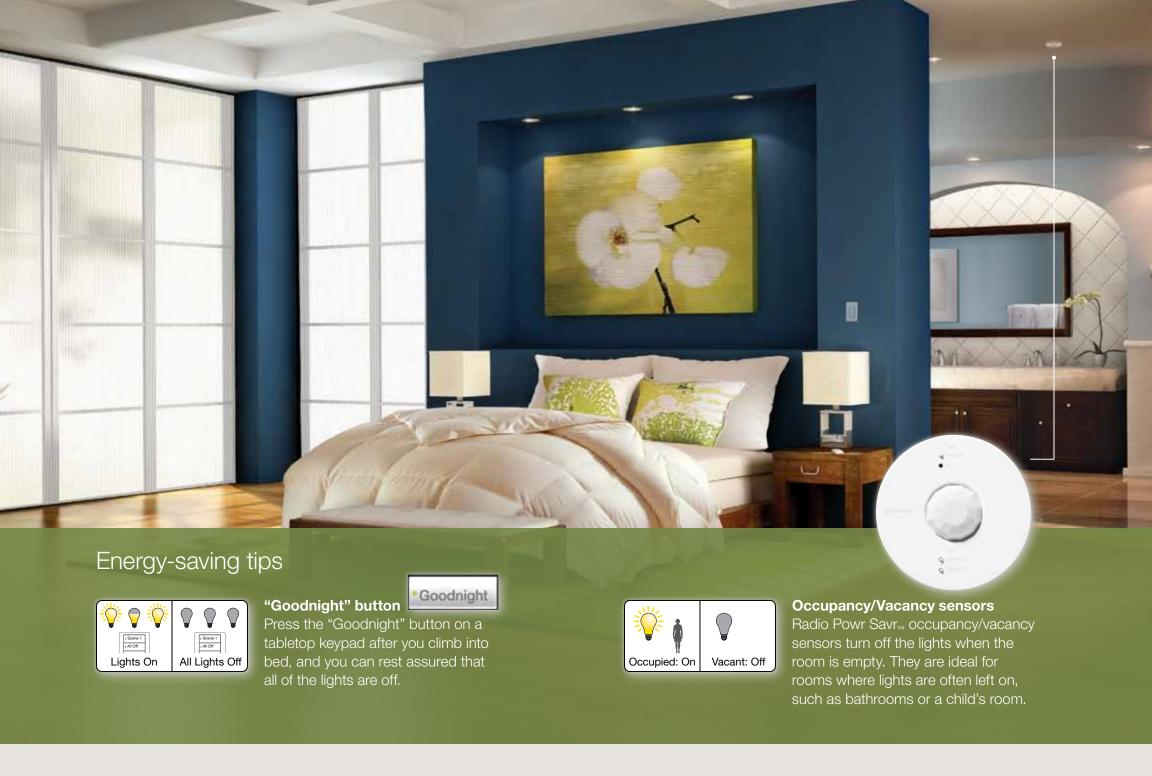
The convenience of whole home control means you can monitor lights, shades, heating, and cooling from anywhere in your home—including the comfort of your bed. You can also set lights and shades in the bathroom to the perfect level for creating a soothing retreat.



Set lights and shades in the bathroom to the perfect level to create a soothing retreat.

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.



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.

- AMX
- · Control4
- · Crestron Electronics, Inc.
- ELAN
- HAI
- HomeLogic
- Life|ware
- NetStreams
- Philips
- RTI
- Savant
- Universal Electronics Inc.
- · Universal Remote Control

RadioRA® 2 can be integrated with popular control and automation systems.



IR remote control



Touch panel control



Security system



Garage door opener









HVAC equipment

Remote control and monitoring

Lutron Home applications allow you to control and monitor your RadioRA® 2 system right from your mobile device—at home or while away.

Full two-way functionality allows your **iPhone**® or **iPod Touch**® to update in real time when dimmers or keypads are adjusted in the home. The app supports multiple RadioRA 2 systems—perfect for users with multiple residences.

Lutron Home on the **iPad**® adds a HomeGlance dashboard (pictured) and the ability to customize your system's energy-saving, keypad, timeclock and thermostat programming. **Coming soon!**







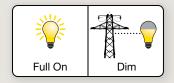
iPhone

iPad

Smart Grid solutions



With Lutron residential Smart Grid solutions you are empowered to reduce energy usage during peak demand periods, which saves you money.



Demand response automatically reduces energy use from lights, shades, and heating/cooling systems during peak electricity usage times.

* Apps require setup by a qualified RadioRA 2 dealer. Remote access requires appropriate network equipment and configuration.

iPhone, iPod touch, and iPad are registered trademarks of Apple®, Inc., registered in the U.S. and other countries.

Colors and styles





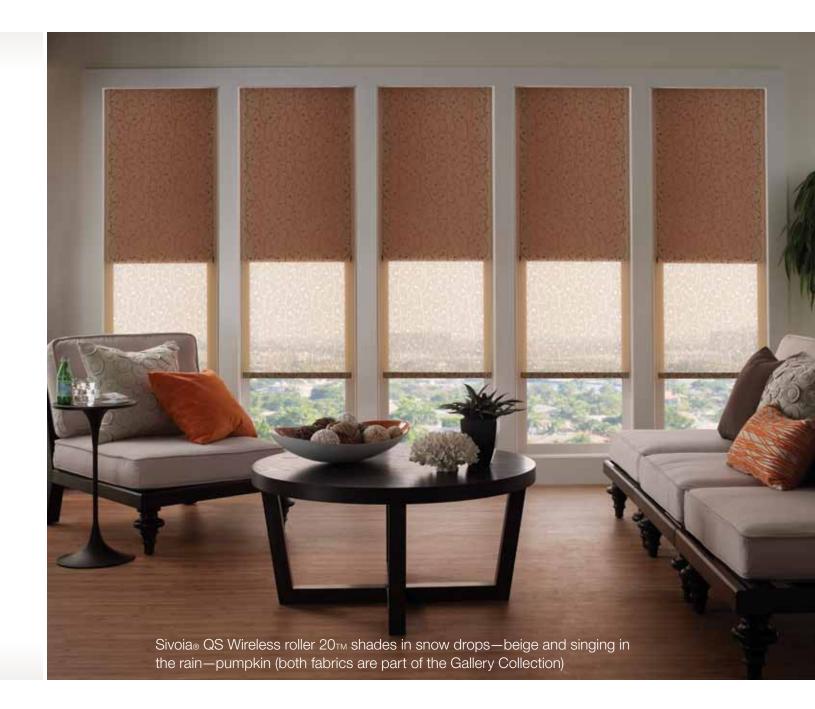
Gloss colors

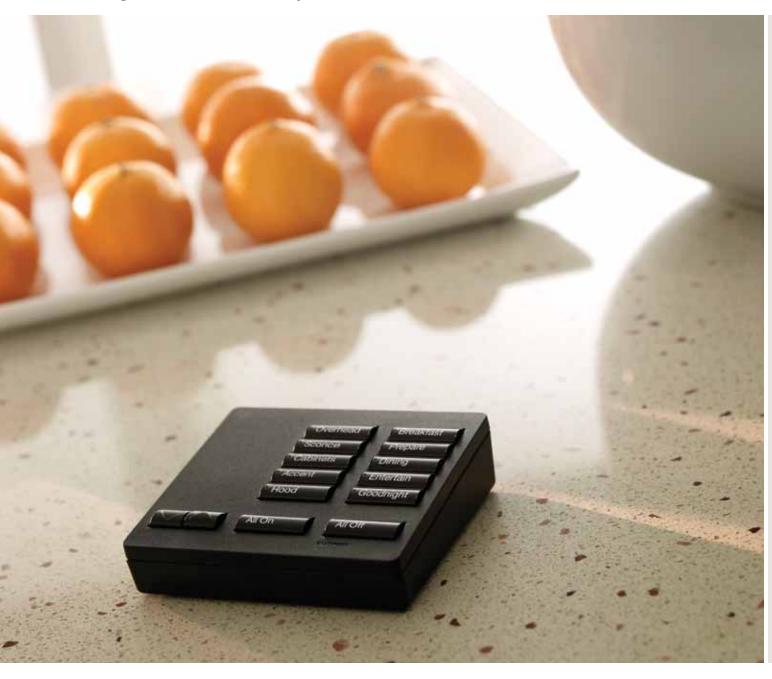


Metals



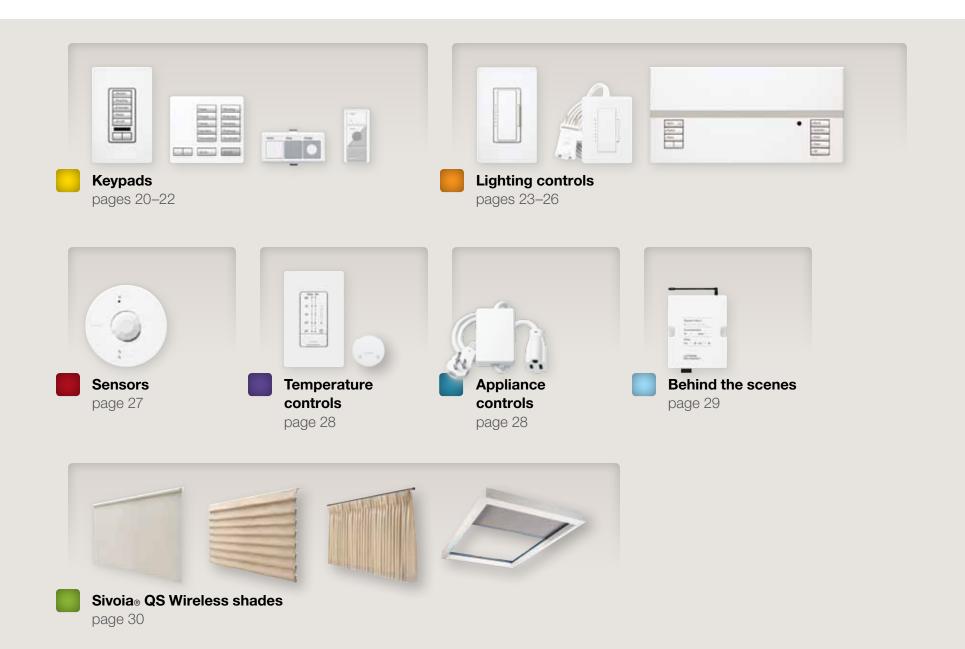
stainless steel





When you choose RadioRA® 2, you're selecting a comprehensive system comprised of keypads, lighting controls, sensors, 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.

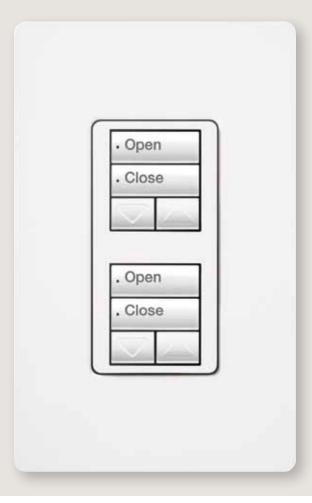




Keypads

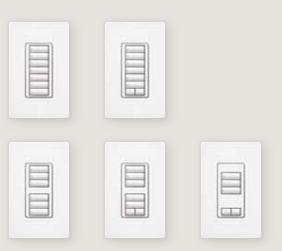
Use wall-mounted or tabletop keypads to adjust lights, shades, or HVAC. Handheld controls and the car visor transmitter are convenient ways to adjust lights and shades. Keypads are available in a wide variety of button configurations and colors.





seeTouch® wall-mounted keypads

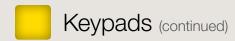
install in a standard wallbox to provide control of lights and/or shades individually or in preset scenes. They feature backlit buttons and personalized engraving.



Shown actual size: Five-button keypad with raise/lower and IR receiver

Shown actual size: Dual shade control keypad

Available button configurations



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.

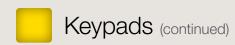


Shown actual size: Tabletop keypad with 10 scene buttons, as well as on/off and raise/lower buttons

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 29) allows your car's built-in buttons to adjust lights and shades.



Shown actual size: Car visor transmitter



Pico® wireless controls are battery-powered (5-10 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 and shades with no new wiring.







Shown actual size: Dual pedestal-mounted light and shade Pico wireless controls

Shown actual size: Handheld Pico wireless control

Shown actual size: Wall-mounted Pico wireless control with coordinating Lutron® Claro® wallplate



Lighting controls

Lighting 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 hybrid keypad** replaces a standard switch. It receives signals from keypads and sensors and controls power to your lights. 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 hybrid keypad with personalized engraving



Lighting 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.



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



Shown actual size: Wall-mounted dimmer

Shown actual size: Wall-mounted switch



Lighting 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 dimmer's "stack-on" plug connects to a standard electrical receptacle and also provides the connection for the lamp.



Shown actual size: Tabletop lamp dimmer The **plug-in dimming module** plugs into a standard receptacle and provides connection for floor or table lamps. Plug-in modules are designed to be concealed behind furnishings. Connected lights can be controlled only from keypads, sensors, and other system devices.

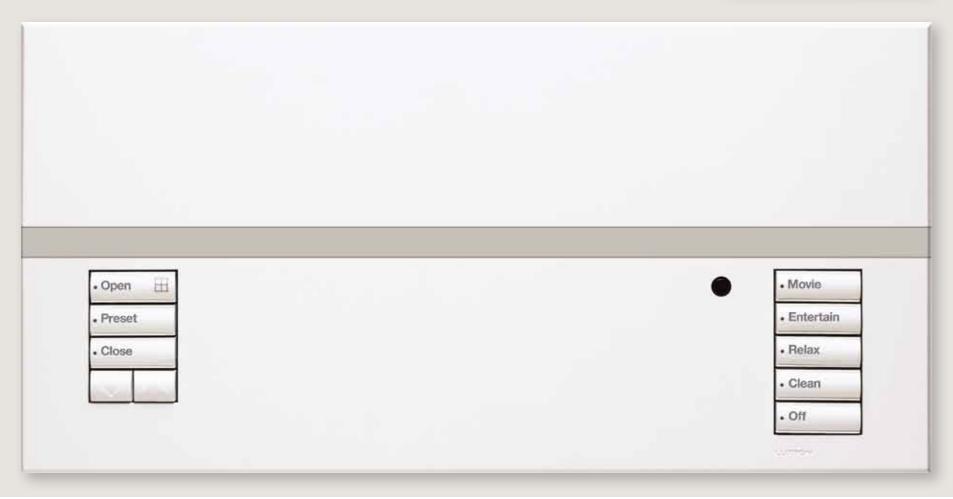




Lighting controls (continued)

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.





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

Sensors

Sensors provide automated energy savings and added convenience. Radio Powr Savr_™ sensors are battery powered (5-10 year battery life) and can be installed without the need for any wiring.

Radio Powr Savr wireless occupancy/vacancy sensors work with RadioRA® 2 lighting 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.



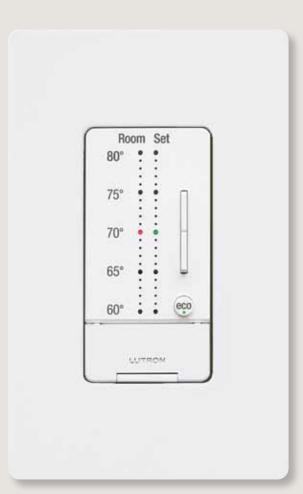


Shown actual size: Radio Powr Savr wireless occupancy/vacancy sensor (ceiling-mounted)

Shown actual size: Radio Powr Savr wireless occupancy/vacancy sensor (wall-mounted)

Temperature controls

Add Lutron's thermostat to your RadioRA® 2 system for convenient temperature control from keypads, mobile devices and the timeclock. Save energy by reducing your HVAC using the "eco" button. **Coming soon!**



The **seeTemp**™ wall-mounted display shows current temperature and allows you to adjust set point and system mode (heating, cooling, auto, fan on/off).

The battery-powered (5-10 year battery life), wireless temperature sensor is surface-mounted to the wall in the space to be conditioned. It detects temperature and transmits that information to the HVAC controller.



Shown actual size: seeTemp display

Shown actual size: Wireless temperature sensor

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.

Coming soon!

Coming soon

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.





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 setup and operation.



The **auxiliary repeater** extends system 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.



Auxiliary repeater

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.



Visor control receiver

The **HVAC controller** connects to the home's mechanical equipment using standard thermostat wiring. **Coming soon!**



HVAC controller



Sivoia_® QS Wireless shades

Sivoia QS Wireless offers ultra-quiet, precision control of the full family of Lutron® window treatment styles at the touch of a button.





Roller shades provide precision control of daylight with near-silent operation and minimal, symmetrical light gaps of 0.75 inch on each side. Available in a variety of sheer, dim-out, and blackout fabrics.

Roman shades with CERUS™ (Cord Eliminating Roman Uptake System) technology are the first cord-free Roman shades. Available in soft fabrics and woven woods as part of the Avant Collection™.

For more information on Sivoia® QS Wireless shades go to www.lutron.com/shades.





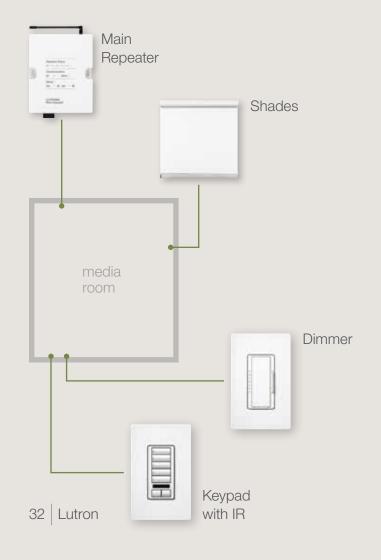
Complete drapery systems provide the option for pinch pleat or ripplefold style of drapes. Drapery fabric panels are now available in over 70 soft fabrics as part of the Avant Collection™.

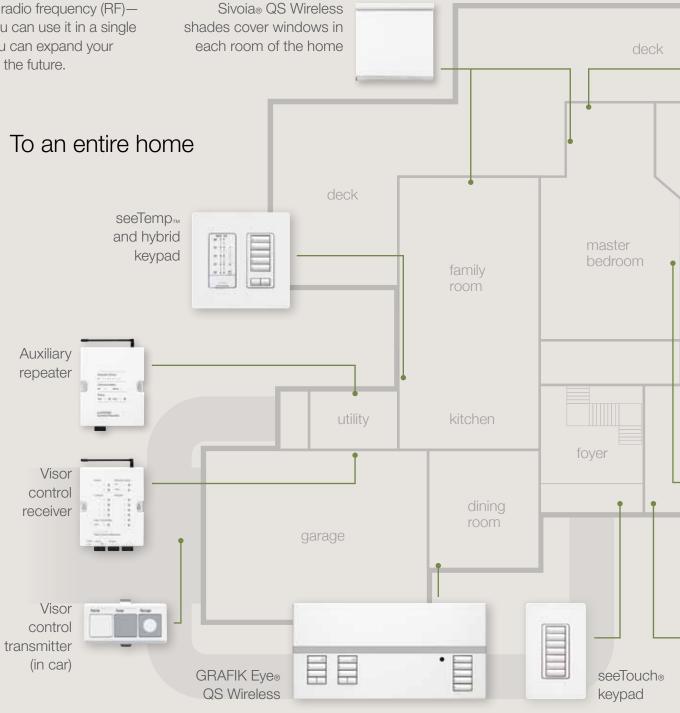
Tensioned shades reliably control daylight and heat gain through skylights and angled windows. They can be installed at a variety of slopes to provide bottom-up angled window and skylight solutions.

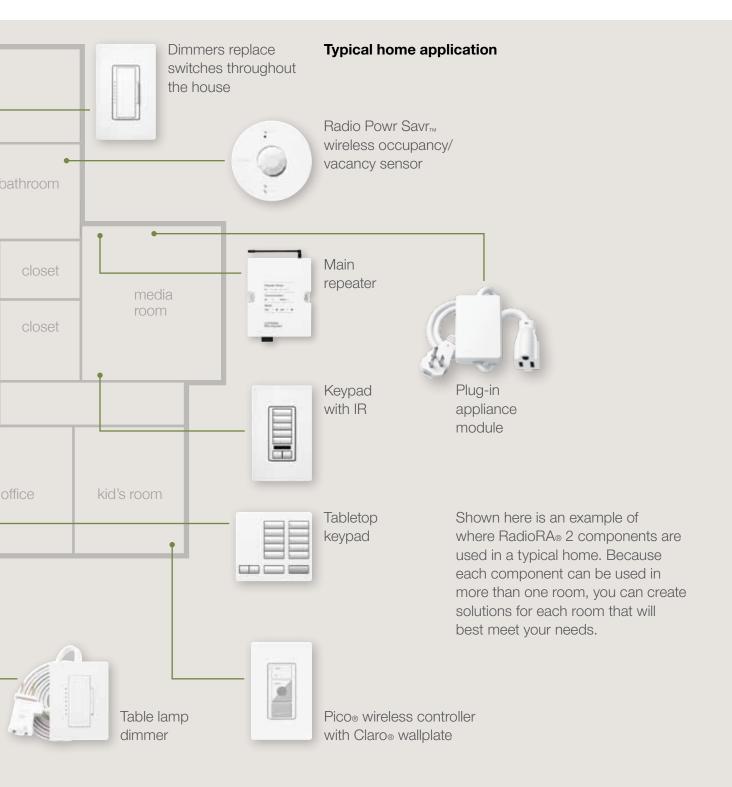
Technology you can count on

The components in RadioRA $_{\odot}$ 2 "talk" to each other through radio frequency (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









Lutron's patented Clear Connect™ RF technology sets the bar for reliability, so you can trust your system will work with precision and accuracy—every time you use it.

- Quiet frequency band, essentially free of interference
- Dedicated network ensures communication between system devices is reliably delivered
- Group commands ensure smooth, simultaneous system response



A history of sustainability, innovation, and quality



At Lutron, sustainability is not new to us. Since 1961, we have been designing industry-leading technology that saves energy and reduces greenhouse gas emissions, and are a proud member of the U.S. Green Building Council.

Lutron is a company built on a belief in taking care of the customers, employees, and the community. We innovate in advance of emerging market needs and continually improve our quality, our delivery, and our value.

Lutron owns over 250 patents and manufactures more than 15,000 products. For over 45 years, we have met and exceeded the highest standards of quality and service. Every one of our products is quality-tested before it leaves the factory.

Global service and support

You can count on a level of support unequaled anywhere in the industry and anywhere in the world. Lutron provides 24/7 technical phone support, as well as a global network of customer-focused field service engineers.



www.lutron.com/radiora2

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