

URC 500 Series Switches & Dimmers – All Z-Wave Plus™ Certified



# URC 500 Series Lighting Control System



The 500 Series Lighting control system is URC's next generation smart wireless lighting control system carrying Z-Wave Plus-certification. Designed to be installed standalone or integrated with URC's Total Control™ 2.0 or MX HomePro® systems, this new line up is compatible with LED lighting and boasts several benefits, including increased power, increased range for larger installations (up to 500 feet), 250% more bandwidth, enhanced security, and ease of installation.

### Save Energy and Money

URC 500 Series lighting control system can ultimately save you energy and money. For example, dimming a halogen bulb by 20% saves about 18% of the energy that it costs to operate it. Dimmers also make your light bulbs last longer.

### Set the Scene and Add Ambiance

URC's wireless lighting control system allows you to set the scene and enjoy a personal library of preset combinations of lighting levels perfectly suited to your home or lifestyle. For example, a Party scene may dim the interior lights and turn on the color LED lighting in the pool area to bring your yard to life.

### Fall Asleep Faster, Wake Up Refreshed

Additionally, URC 500 dimmer switches are useful in the bedroom to help relax between the day's activities and falling asleep. Some studies have indicated that lowering the lights one hour before bedtime will help you fall asleep faster, enabling you to set a regular sleep schedule and train your body to fall asleep at the same time every night.

### URC Total Control 2.0 and URC MX HomePro System Compatibility

The 500 Series wireless lighting control system can also be controlled by any URC Total Control 2.0 smart automation & control system user interface (in-wall and tabletop touchscreens, in-wall keypads, wireless remote controls, voice control or smartphone / tablet control) , providing the end user for easy control of their entire home or commercial facility. The system is also compatible with URC MX HomePro IoT control systems for smaller installations.

When combined URC's Total Control 2.0 or MX HomePro Systems, end users can enjoy even more conveniences and security, such as:

- Automatically illuminating any room when they enter.
- "Lighting "scenes" for different activities in the home or commercial environment.
- Control the lights from another room, using any URC Total Control or MX HomePro control interface.
- Randomize vacation modes by setting automatic schedules with +/- 20 minutes (URC Total Control system only).
- Automatically turn on/off the lights in their home or commercial environment when your pull into the driveway or the street, thanks to URC's Geo-Fencing feature with unlimited proximity.
- Automate the lighting to react (On or Flashing) when a security alarm, window/door sensor, door lock or motion sensor is activated.

# Dimmers

## URC 500 Series Master & Accessory Dimmers

Single-pole, 3-way, 4-way

120V/AC, 60Hz

300W LED, CFL

600W magnetic low-voltage,

electronic low-voltage,

incandescent,

fluorescent\*, halogen

*\* Dimmable fluorescent bulbs only*



Using dimmers saves money by reducing energy consumption and dramatically extending bulb life. In circuits where a light is controlled by more than one dimmer, one URC 500 Series Master Dimmer and the appropriate number of Accessory Dimmers (maximum five) must be installed. No traveler wire necessary.

### COMMON KEY FEATURES

- Adjustable low-level trim setting helps prevent flickering
- Adjustable high-level trim setting for additional energy savings
- Programmable rapid start feature ensures lamp start-up even at low dim levels
- Can be associated with up to five other devices
- Air-gap switch disconnects power from load forcing an OFF condition
- Electro-mechanical push pad for ON/OFF operation with separate DIM/BRIGHT bar
- Patented indicator system alerts if dimmer is not set up on the network
- Eight step blue LED display alongside push pad indicates selected light level and reduces brightness when OFF (night light feature). This LED can also be dimmed or turned off
- Programmable rapid and delayed fading up to 4 minutes (default is 10 seconds)
- Adjustable ramp rate (up to 4 minutes)
- Panic mode for increased security and integration with security systems
- Press and hold push pad to bring light to full brightness without affecting presets
- Compatible with any Decora® wall plate (*not included*)
- Available in White, Black and Light Almond

### ACCESSORY DIMMER FEATURES

- All-load (neutral) only
- 600W models do not require de-rating in multi-gang installations.

### MASTER ACCESSORY FEATURES

- Adds wireless 3-way control when used with master dimmer, eliminating the need for traditional 3-way wiring or dedicated traveler wires
- Compatible with URC 500 Series Master Dimmers only

## SPECIFICATIONS

Performance	Rating: 120V/AC, 60Hz
Performance Consideration	A URC Z-Wave Plus enabled device must be within a range of 30-328 feet (maximum range is open air) of another Z-Wave enabled device to participate in a Z-Wave wireless mesh network. Any one dimmer or switch can be associated with up to 5 devices (dimmers, switches, receptacles, or plug-in modules)
Terminations	All-load dimmers have four 6" pre-stripped wire leads for line, load, ground and neutral; no-neutral dimmers have 3 wires Dimmers designated "all-load" require connection to a neutral wire Dimming LED, CFL, ELV and Fluorescent Dimming Ballasts requires an all-load dimmer

# Switches

## URC 500 Series Master & Accessory Switches

Single-pole, 3-way, 4-way  
15A, 120V/AC, 60Hz  
LED, CFL, incandescent,  
magnetic low-voltage,  
electronic low-voltage,  
fluorescent, halogen



Switches are ideal for controlling wall outlets and devices that cannot be dimmed (e.g., outdoor lights, radios) and standard wall outlets. Wall outlets should never be controlled by a dimmer due to the risk that someone might plug in an inappropriate device (anything with an electric motor such as a vacuum cleaner or fan) which can cause damage or potentially create safety hazards.

In circuits where a light is controlled by more than one switch, one URC 500 Series Master Switch and the appropriate number of Accessory Switches (maximum five) must be installed. No traveler wire necessary.

### COMMON KEY FEATURES

- Can be associated with up to 5 other devices
- Electro-mechanical push button for ON/OFF operation
- Patented indicator system alerts if switch is not set upon the network
- Blue LED illuminates to indicate ON/OFF status. Brightness of LED can be adjusted or turned off
- Single button programming
- Programmable delayed OFF mode up to 4 minutes (default is 10 seconds)
- Panic mode for increased security & integration with security systems
- Configurable "power up state"
- Compatible with any Decora® wall plate (*not included*)
- Available in White, Black and Light Almond

### ACCESSORY SWITCH FEATURES

- Adds wireless control eliminating the need for traditional three-way wiring (up to five locations)
- Compatible with URC 500 Series Master Switches only
- All-load (neutral) only

## SPECIFICATIONS

Performance	Maximum Amperage: 15A (applies to Master Switch only) Rating: 120V/AC, 60Hz
Performance Consideration	A URC Z-Wave Plus enabled device must be within a range of 30-328 feet (maximum range is open air) of another Z-Wave enabled device to participate in a Z-Wave wireless mesh network. Any one dimmer or switch can be associated with up to 5 devices (dimmers, switches, receptacles, or plug-in modules)
Terminations	All-load switches have four 6" pre-stripped wire leads for line, load, ground and neutral Requires connection to a neutral wire.

## Receptacles

### URC 500 Series Receptacles

15A, 1/2 HP  
120V/AC, 60 Hz  
ballast, incandescent,  
inductive tungsten



The URC 500 Series split receptacle replaces regular receptacles to provide local and remote RF ON/OFF control of a single outlet. Moreover, the receptacle provides other programmable functions (scenes, events, association, etc.) when used with a URC or other Z-Wave Plus compliant controllers. The receptacle can be manually and remotely controlled by commands sent from an URC controller or other Z-Wave Plus compatible controllers or programs. A URC 500 Series RF Duplex Receptacle utilizes existing 120V/AC 60Hz standard house wiring and fits into a standard wall box. No new wiring needed.

### COMMON KEY FEATURES

- Provides control of one outlet leaving the other one for normal use
- Complies with 2011 NEC® section 406.12 specification that states all receptacles installed in dwelling units must be tamper resistant (dwelling units are defined in NEC® Article 210.52)
- UL listed safety shutter system prevents insertion of foreign objects into receptacle
- Ability to be controlled remotely by other Z-Wave devices through association
- Patented built-in wire stripper for #14 and #12 wire to speed installation
- Electro-mechanical push button located at center of device for inclusion and ON/OFF operation
- Blue LED at center illuminates to indicate ON/OFF status (LED is dimmable)
- Panic mode for increased security and integration with security systems
- Single button programming
- Patented indicator system alerts if receptacle is not set up on the network
- Configurable “power up state”
- Available in White, Black and Light Almond

### SPECIFICATIONS

Performance	Maximum amperage for receptacle: 15A Rating: 120V/AC, 60Hz Horsepower rating: 1/2 HP (9.8A)
Performance Consideration	A URC Z-Wave Plus enabled device must be within a range of 30-328 feet (maximum range is open air) of another Z-Wave enabled device to participate in a Z-Wave wireless mesh network. Any one dimmer or switch can be associated with up to 5 devices (dimmers, switches, receptacles, or plug-in modules)
Terminations	Receptacle has three 6" pre-stripped wire leads for line, ground and neutral

## Plug-In Modules

### URC 500 Series Appliance Module

120V/AC, 60Hz

Appliance switching module  
for up to 600W appliances



The URC 500 Series Appliance Module provides local and remote ON/OFF control of appliances up to 600W where desired. Furthermore, the module provides other programmable functions (events, association, etc.) when installed as part of a Total Control system. Plug-in modules can be manually controlled and remotely controlled by commands sent from URC and other Z-Wave Plus compatible controllers or programs.

Simply plug the appliance cord into the receptacle on the URC 500 Series Appliance Module and plug the module directly into the wall. No screwdriver needed.

### COMMON KEY FEATURES

- Provides wireless Z-Wave Plus control of one outlet, leaving the other pass through outlet always ON when the device is plugged in
- Red LED button indicates if the Z-Wave Plus controlled outlet is ON or OFF
- Pressing this LED button will Turn ON or OFF the Z-Wave Plus controlled outlet
- Quiet relay switching
- Ability to be controlled remotely by other URC 500 Series devices through association
- Can be associated with up to four other devices
- Panic mode for increased security & integration with security systems
- Patented indicator system alerts if module is not set up on the network
- Configurable "Power On Status"
- Power failure memory
- Available in White only

### SPECIFICATIONS

- Operating Voltage: 120V/AC, 60Hz
- Maximum Load: 1400 Watts
  - 600 Watts for controlled side / 800 Watts for pass through outlet
- Maximum Amp: 12A
  - 5A for controlled side / 7A for pass through outlet
- RF: Z-Wave Plus functionality with S2 security certificate
- Maximum Motor Loads: Up to 1/2 HP Motors



## URC 500 Series Switches & Dimmers – All Z-Wave Plus™ Certified

Product Name	Requires Neutral	Color	Part Number
Master Neutral Dimmer	Yes	White	URCL-9640-NDW
		Light Almond	URCL-9640-NDLA
		Black	URCL-9640-NDBL
Accessory Dimmer	Yes	White	URCL-9642-ZDW
		Light Almond	URCL-9642-ZDLA
		Black	URCL-9642-ZDBL
Master Neutral Switch	Yes	White	URCL-9601-DWH
		Light Almond	URCL-9601-DLA
		Black	URCL-9601-DBL
Accessory Switch	Yes	White	URCL-9617-DWH
		Light Almond	URCL-9617-DLA
		Black	URCL-9617-DBL
Receptacles	No	White	URCL-TR9605-TWH
		Light Almond	URCL-TR9605-TLA
		Black	URCL-TR9605-TBL
Appliance Module	NA	White	URCL-96APM

All URC 500 Series lighting products come with a Two-Year Limited Warranty from date of installation.  
All 500 Series Dimmers and Switches are designated "all-load" and require connection to a neutral wire.

