installation guide

the radiant® collection

Wi-Fi Smart Switch

legrand®
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before you start

Review this guide in its entirety before beginning device installation. Consult an electrician with any questions or if you are unsure of your abilities.

⚠️ **Warning:** Incorrect installation could result in death, serious injury, and/or damage to your home or devices.

⚠️ **Caution:** To reduce the risk of injury and/or overheating and damage to other equipment:

- For dry, indoor use only.
- Do not use to power medical equipment.
- Not suitable as a disconnecting means.
- Do not use with loads exceeding the device load rating (see page 22).
- Connect the smart switch to a 120 VAC, 60 Hz power source ONLY.
- Always use copper wire to install the smart switch and follow all applicable local and national electrical codes.
- Install in a non-metallic electrical box to protect wireless signal strength.

Visit the Legrand website at [www.legrand.us/radiant/smart-lighting/support](http://www.legrand.us/radiant/smart-lighting/support) for installation videos or to learn more about your smart device.
what you need

REQUIRED:

✔️ Phillips-head screwdriver

(EXIT) Flat blade screwdriver

YOU MAY ALSO NEED:

Voltage tester, pliers, wire cutter, wire stripper, electrical tape, flashlight, wiring leads (included), and wire nuts (included)
installation & setup

step one | turn off the power for your device at the circuit breaker

Flip the existing light switch multiple times to confirm the power is off.

**NOTE:** If there are multiple devices next to your existing light switch, make sure power is off at the circuit breaker for all of those devices.
installation & setup

step two | remove the existing device

Check for the following wires:

1. HOT or LINE: Receives power from the circuit box. Referred to as “hot” for the purposes of this guide. Do not touch or let “hot” wires contact other wires.

2. LOAD: Directs power to your light(s).

3. NEUTRAL: Creates a path to return current to the power source when the device is off. Required for your switch installation.

4. GROUND: Provides a safe path for electricity in the event of a short circuit.

5. TRAVELER: If more than one switch controls the light, an additional wire will be in the box that “travels” to the other switch.

NOTE: Refer to the “faqs” on page 23 if you are unsure of your wiring.
installation & setup

step three | wire the smart switch

Use the wire nuts provided to secure the wires together.

1. Connect the WHITE neutral wire on the switch to the neutral wires in the box, using the red wire nut.
2. Connect the LOAD wire on the switch to the load wire in the box.
3. Connect the HOT wire on the switch to the hot wire(s) in the box.
4. Connect the GREEN ground wire on the switch to the ground wire(s) in the box.
5. If the light is controlled with only one switch, use a wire nut to cap the YELLOW traveler wire on the device. If more than one switch controls the light, connect the YELLOW traveler wire on the device to the wire going to the other switch.

**NOTE:** This product will work with existing three-way switches. The switch can be installed in either location.
installation & setup

step four | secure the smart switch

1. Gently fold the wires into the electrical box. Be careful not to pinch a wire or loosen any wire nuts.

2. Use the device screws to secure the smart switch to the electrical box. Do not fully tighten the screws.
installation & setup

step five | test the smart switch

**NOTE:** See page 20 for feature details.

1. Turn the power back on at the circuit breaker.

2. Press the paddle switch to turn your light on and off.

**TROUBLESHOOTING TIP:**
If the device is not powering, reference the “faqs” on page 23 to determine if you have reversed the “hot” and “load” wiring.
installation & setup

step six | attach the screwless wall plate

1. Noting which side faces out, align the sub-plate over the device screws. Use the sub-plate screws (provided) to secure the sub-plate to the smart switch.

2. Tighten the device screws to secure the smart switch to the electrical box.

3. Angle the $\text{UP}$ end of the screwless wall plate over the top edge of the sub-plate. Push the screwless wall plate down and in until it “snaps” into place over the sub-plate.

**NOTE:** To remove the wall plate, place the tip of a flat blade screwdriver into the slot under the wall plate and twist gently.
installation & setup

step seven | set up your system

1. Download and launch the Smart Lights app by Legrand. The app is available on the App Store or on Google Play.

2. Connect your smart switch to your home network by following the step by step instructions in the app.

3. Use the app to control your smart switch.

Google Play and the Google Play logo are trademarks of Google LLC. App Store is a service mark of Apple Inc., registered in the U.S. and other countries.
getting to know your switch

<table>
<thead>
<tr>
<th>Item</th>
<th>Name</th>
<th>Description</th>
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| 1    | Paddle Switch         | • Press the top of the paddle to turn the light on and the bottom to turn the light off.  
|      |                       | • To return the switch to factory default, press and hold both ends of the paddle for 30 seconds. |
| 2    | LED Locator Light     | Indicates the current state of the device. Refer to “LED Locator Light Explanations” for detail. |
### LED LOCATOR LIGHT EXPLANATIONS

<table>
<thead>
<tr>
<th>LED Color</th>
<th>State of Light</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Solid Amber" /></td>
<td>Solid Amber</td>
<td>Factory default; ready to connect to your network</td>
</tr>
<tr>
<td><img src="image" alt="Blinking Amber" /></td>
<td>Blinking Amber</td>
<td>Device is attempting to connect to the network</td>
</tr>
<tr>
<td><img src="image" alt="Solid White" /></td>
<td>Solid White</td>
<td>Device is connected to your network and is switched off</td>
</tr>
</tbody>
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## specifications

<table>
<thead>
<tr>
<th>Load</th>
<th>Rating</th>
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<tr>
<td>Resistive</td>
<td>120 VAC, 60 Hz, 15 A</td>
</tr>
<tr>
<td>Incandescent/halogen</td>
<td>1800 W</td>
</tr>
<tr>
<td>Ballast</td>
<td>15 A standard/electronic</td>
</tr>
<tr>
<td>Motor</td>
<td>½ HP</td>
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Legrand reserves the right to change specifications without notice.
Q: Which wire is the “hot” wire versus the “load” wire?

A: To determine this safely, begin by confirming that power is off to the device location at the circuit breaker. Cap all of the exposed wires in the electrical box, then turn the power back on at the device location. Find your non-contact voltage tester. Place your voltage tester next to each of the wires. The voltage tester should indicate which of the two wires is receiving power from the circuit box (refer to the voltage tester’s user manual for details on operation). The “hot” wire is the powered wire.

To safely complete your wiring, turn off power at the circuit breaker until the device is secured into the wall.
regulatory information

FCC NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the transmitter’s radiating structure(s) and the body of the user or nearby persons.

**NOTE:** Any changes or modifications to this device that are not expressly approved by the manufacturer will void the warranty and the user’s authority to operate the equipment.

FCC ID: A3LCWAM210S

WiFi® is a registered trademark of Wi-Fi Alliance®.
IC NOTICE

This device complies with Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions: (1) this device may not cause interference; and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

RF EXPOSURE STATEMENT

This equipment meets the SAR evaluation limits given in RSS-102 Issue 5 requirements at the minimum separation distance of 15 mm to the human body. Note: Any changes or modifications to this device that are not expressly approved by the manufacturer, will void the warranty and the user’s authority to operate the equipment.

IC ID: 649E-CWAM210S
This product is warranted under normal use against defects in workmanship and materials for as long as you own it. If the product fails due to a manufacturing defect during normal use, return it for a replacement at the store where purchased or contact technical support at 1-877-833-3303.

A dated sales receipt must be provided for all replacement requests (legible copies are acceptable).

Additional warranty details are available at [http://www.legrand.us](http://www.legrand.us) under your device’s product page.
support

IF YOU NEED HELP INSTALLING YOUR SMART SWITCH, TALK TO OUR TECHNICAL SUPPORT TEAM:

PHONE: 1-877-833-3303
8:00 a.m. to 8:00 p.m. EST (M-F)

EMAIL: smartlighting@legrand.us

CHAT: https://www.legrand.us/radiant/smart-lighting.aspx
[Click on the 📩 icon to open a dialogue box]