# L1 legrand®

## Smart Switch

### with HomeKit Technology

Room ...............................................................................

HKRL10

Works with
**Apple HomeKit**
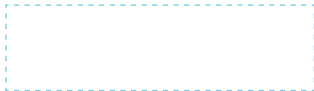
# table of contents

# 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 24).
- 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/homekit.aspx to learn more about your smart device.

# what you need

**REQUIRED:**

⊕ Phillips-head screwdriver

⊖ Flat blade screwdriver

**YOU MAY ALSO NEED:**

Non-contact voltage tester, pliers, wire cutter, wire stripper, electrical tape, flashlight, radiant® screwless wallplate (included), wiring leads (included), and wire nuts (included)

***NOTE:*** *Exercise caution when using power tools. Overtightening the screws can damage the device.*

# getting to know your switch

| Item | Name | Description |
|------|------|-------------|
| 1 | Paddle Switch | • Press the top of the paddle to turn the light on and the bottom to turn the light off.<br>• To return the switch to factory default, press and hold the top of the paddle for 15 seconds. Then, remove the device from the Legrand Home app (or Apple Home app). |
| 2 | LED Locator Light | Indicates the current state of the device. Refer to "LED Locator Light Explanations" for detail. |

*NOTE: For in-wall control of this switch in a three-way application, refer to the installation instructions for the HomeKit Remote Switch (HKRL20).*
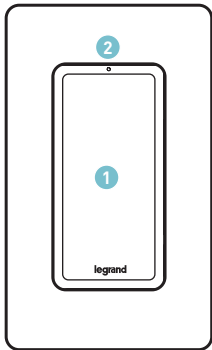
## LED LOCATOR LIGHT EXPLANATIONS

| LED Color | State of Light | Explanation |
| --- | --- | --- |
| 🟠 | Slowly Flashing Amber | Device is attempting to connect to the network |
| ○ | Solid White | Connected to Wi-Fi and turned off |
| ● | No Light | Device is on |
| 🟠 | Rapidly Flashing Amber | N-Way Pairing mode: device is ready to pair with the remote(s) |

# 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.

***NOTES:***

- *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.*

- *For multi-way installations using a remote switch, follow the instructions for the remote device (HKRL20).*
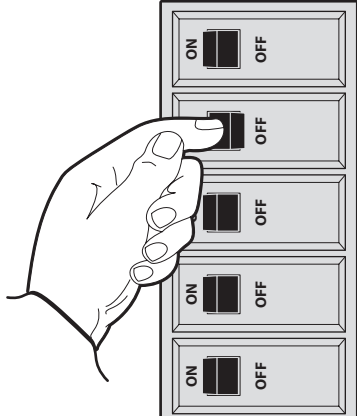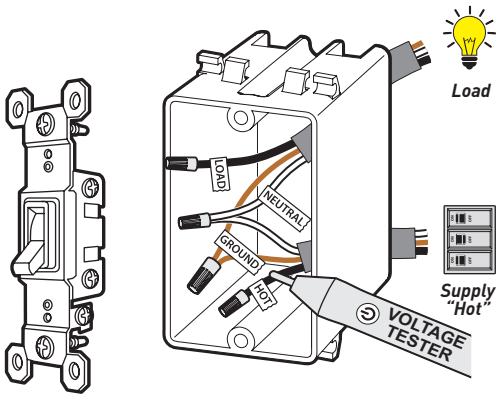
# installation & setup

## 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.

***NOTE:*** *Refer to the "faqs" on page 25 if you are unsure of your wiring.*

Load

LOAD

NEUTRAL

GROUND
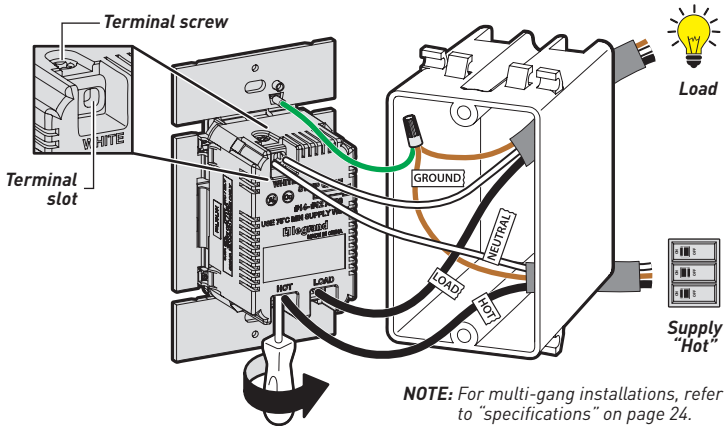
HOT

VOLTAGE TESTER

Supply "Hot"

# installation & setup

## step three | wire the smart switch

When connecting each wire, loosen the terminal screw, insert the wire into a terminal slot, and tighten the terminal screw until the wire is secured.

1 Connect the neutral wires to the WHITE terminal slots.

2 Connect the load wire to any LOAD terminal slot.

3 Connect the hot wire to any HOT terminal slot.

4 Connect the ground wire to the green wiring lead on the device. Use a wire nut to secure the wires together.

*NOTE: If you need extra length on your wires, wire leads are included in your packaging. Cap any unused wires from the wall using the included wire nuts.*

**Terminal screw**

**Terminal slot**

WHITE

GROUND

NEUTRAL

LOAD

HOT

**Load**

**Supply "Hot"**

*NOTE: For multi-gang installations, refer to "specifications" on page 24.*

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# 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 caps.

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

TOP

UL
LISTED

legrand

legrand

DO NOT USE
WITHOUT
WALL PLATE
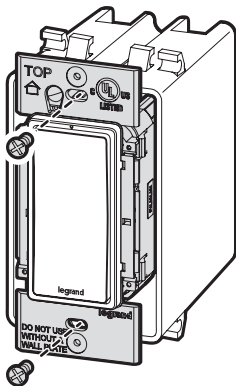
# installation & setup

## step five | test the smart switch

***NOTE:*** *See page 6 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 25 to determine if you have reversed the "hot" and "load" wiring.
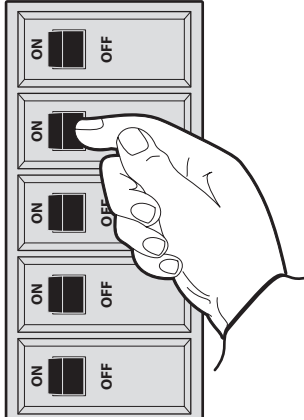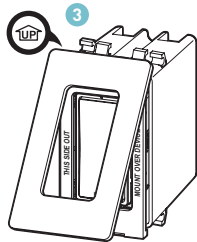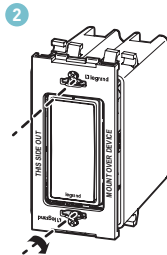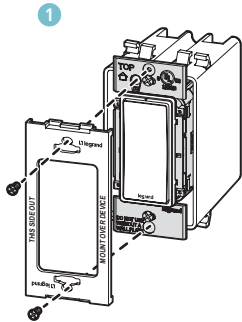
# installation & setup

## 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 🔼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** Connect your iPhone or iPad (iOS 11 or later) to a 2.4 GHz Wi-Fi® network using your router utility software.

**2** Download and open the free Apple Home app from the App Store.

**3** Tap the "+" at the top right corner of the screen. Follow the in-app directions to complete your device setup. When asked to scan your HomeKit Setup Code, scan the QR code on your device. A copy of the QR code is also located on the front cover of the booklet provided with the device. If you're having trouble scanning the code, you can manually enter the code found on the label.

***NOTE:*** *If you're having trouble adding the accessory to your Home, refer to "faqs" on page 15.*

# installation & setup

**4** Follow the in-app directions to assign a name to your device and add it to a room. You can set up customized scenes that control multiple devices with a single command.

**5** To add more devices or repeat the setup process, tap "+" on the Home Page.

*NOTE:* *Your product natively works with Siri after setup, but integration options are also available for your Alexa or Google Assistant. Reference the appropriate user guide for your voice assistant, by visiting one of the following sites:*
*http://legrand.us/radiant/homekit/siri*
*http://legrand.us/radiant/homekit/alexa*
*http://legrand.us/radiant/homekit/google*

**PERMISSION REQUIREMENTS**
The use of a HomeKit-enabled accessory requires the following permissions:

- Settings> iCloud > iCloud Drive> Turn On
- Settings> iCloud > Keychain > Turn On
- Settings> Privacy > HomeKit > Legrand Home> Turn On

For troubleshooting visit https://www.legrand.us/support/onq.aspx.

### Keep your individual HomeKit Setup Code in a secure area. The code is unique to your device.

# specifications

| Load | Rating |
|---|---|
| Resistive | 120 VAC, 60 Hz,15 A |
| Incandescent/halogen | 1800 W |
| Ballast | 15 A standard/electronic |
| Motor | ½ HP |

Legrand reserves the right to change specifications without notice.

# faqs

**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 to 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.

# faqs

**Q:** Something is going on with my device connection. Is it possible to reset my device?

**A:** Yes. To reset your device to factory settings, press and hold the top of the paddle for 15 seconds.

If you are still experiencing connection issues, refer to the "faqs" on page 27 & the "faqs" on page 28 for additional options.

# faqs

**Q:** My device works normally after restoring factory settings, but it occasionally gets disconnected from my network and cannot be recognized. What do I do?

**A:** Perform the following actions to test your connectivity:

- Confirm the number of Wi-Fi connected devices is within the wireless network capacity of your router. Otherwise, identify another router to use.
- Reconnect your iOS devices to Wi-Fi and make sure your Wi-Fi signal is strong.
- Wait until the network frees up if your router performs poorly on congested wireless networks.
- Check the router settings to identify any limitations to the number of simultaneous client connections.
- Restart your HomeKit accessory or restore your HomeKit accessory to factory settings, then add your HomeKit accessory to the Legrand Home app.
- Update the firmware to the latest version.

# faqs

**Q:** My Legrand Home device failed to connect to the Apple Home app. What can I do?

**A:** Perform the following actions to test your connectivity:

- Make sure your accessory is powered on.
- If you have a dual band router, connect your phone to a 2.4 GHz Wi-Fi network. Your 2.4 GHz Wi-Fi network must have a different name from your 5 GHz network.
- Confirm the device's amber LED is flashing slowly. If not, press and hold the top of the paddle for 15 seconds to restore factory settings.

- Confirm the device is shown on screen, then scan the setup code located on the device, instruction manual, or inner packaging. If the app displays "Couldn't add accessory" after scanning the code:
  a. Exit the app. Make sure it is not running in the background.
  b. Restart the app.
  c. Restore the accessory to factory settings.
  d. Add the accessory again.

# regulatory information

**FCC NOTICE**
This device complies with Part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). 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.

# regulatory information

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.

This transmitter must not be co-located or operating in conjunction with any other antennae or transmitter. The antennas used for this transmitter must be installed to provide a separation distance of at least 0.5 cm from all persons and must not be co-located or operating in conjunction with any other antennae or transmitter.

*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: YV8-SA7522

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

# warranty

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 1-800-223-4162, option 3.

All replacement requests must include a dated sales receipt (legible copies are acceptable).

Refer to "support" on page 35 for additional contact options.

# support

**IF YOU NEED HELP INSTALLING YOUR DEVICE, TALK TO OUR TECHNICAL SUPPORT TEAM:**

**PHONE:** 1-800-223-4162, option 3
8:00 a.m. to 5:00 p.m. EST (M-F)

**EMAIL:** technical.support-hs@legrand.us

**CHAT:** https://www.legrand.us/support/onq.aspx
(Click on the ⌕ icon to open a dialogue box)

# legrand®

**Legrand, North America**

301 Fulling Mill Rd, Ste. G
Middletown, PA 17057
1-877-833-3303
www.legrand.us