installation guide

Smart Remote Dimmer

Room .....

HKRL60

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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:

- For dry, indoor use only.
- Connect the smart remote dimmer to a 120 VAC, 60 Hz power source **ONLY**.
- The remote dimmer pairs **ONLY** with the tru-universal dimmer (HKRL50) for multi-location control.
- The remote device does **NOT** connect to any lighting loads. It is powered by your electrical wiring and uses a wireless connection to control paired devices.
- Always use copper wire to install the smart remote dimmer 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:

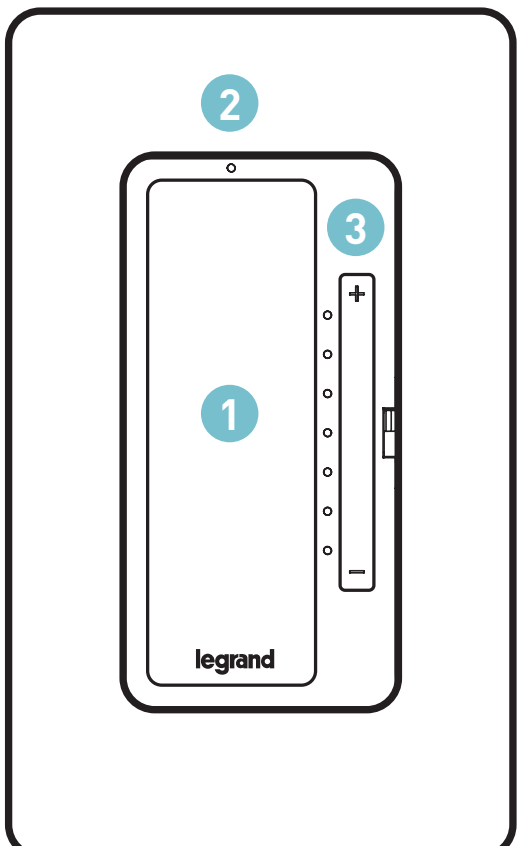
Non-contact voltage tester, pliers, wire cutter, wire stripper, electrical tape, flashlight, radiant® screwless wallplate (included), wiring leads (included), and wire nuts (included)

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



getting to know your remote dimmer

Item	Name	Description
1	Paddle Switch	• Press the top of the paddle to turn the light on or double-tap to raise the dimming percentage to 100%. • Press the bottom of the paddle to turn the light off. • To return the dimmer 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.
3	Dimmer Paddle and LED Light Level	Controls the dimming level: • Press (+/-) to adjust the dimming level incrementally. • Press and hold (+/-) to quickly change the dimming level.



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 Green	N-Way Pairing mode: device is attempting to pair with the master
	Rapidly Flashing Amber	N-Way pairing is updating
	Solid Amber	N-Way pairing is successful

NOTE: *When it is turned on, the dimmer recalls the most recent dimming level.*

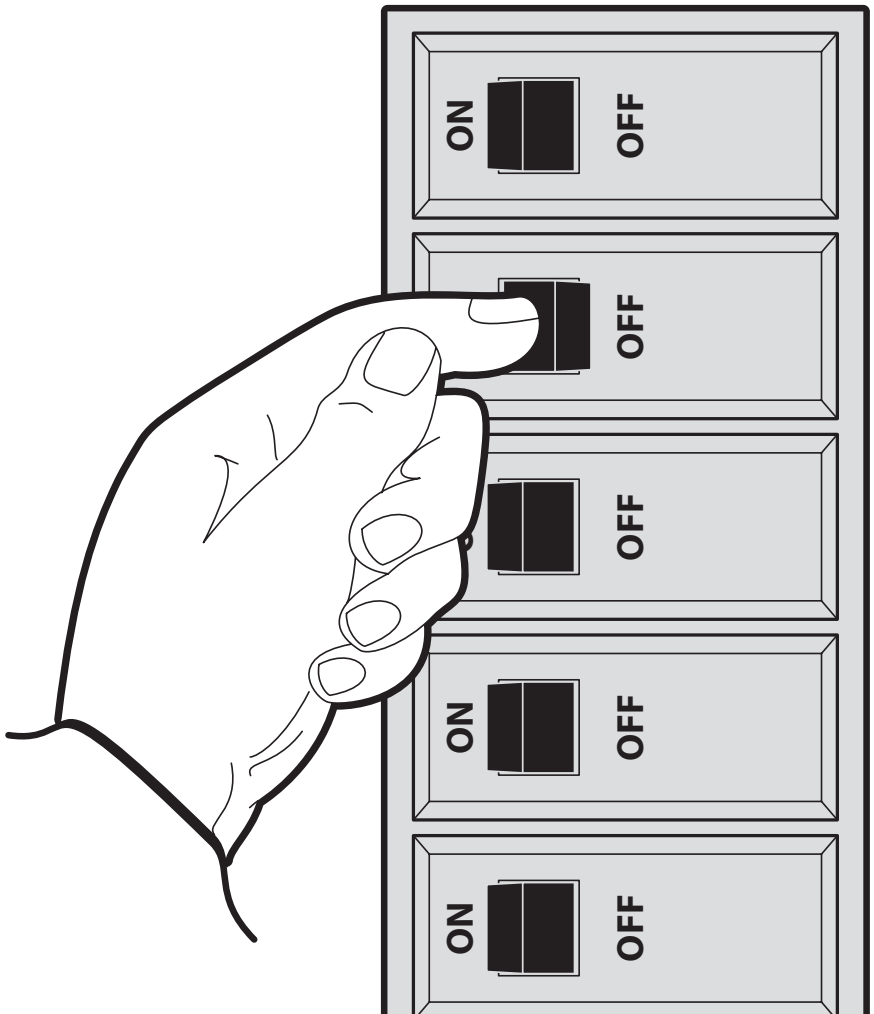
installation & setup

step one | turn off 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.*
- *If you are installing your master device at the same time as the remote device, make sure power is off to both devices.*
- *For detailed instructions on how to install your three-way remote product, please visit legrand.us/3wayinstallationinstructions.*


ON
OFF
OFF
OFF
ON
OFF
ON
OFF

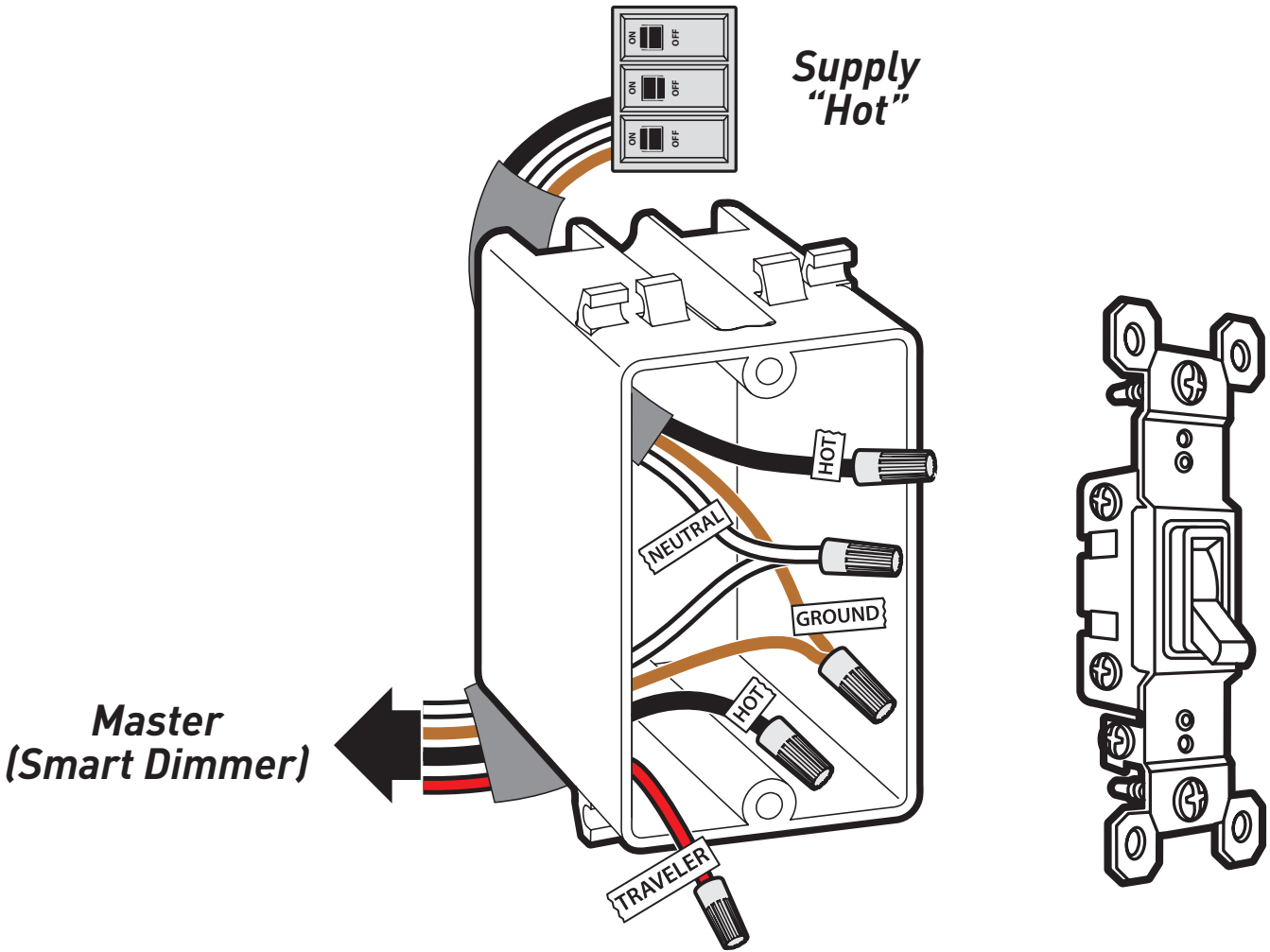
installation & setup

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 dimmer installation.
4. GROUND: Provides a safe path for electricity in the event of a short circuit.
5. TRAVELER: Connects power between the three-way wiring devices. Not required for your dimmer installation. Cap all traveler wires.

NOTE: *Refer to the "faqs" on page 23 if you are unsure of your wiring.*



NOTE:

This illustration depicts the location for the remote product.

For detailed instructions on how to install your three-way remote product, please visit: www.legrand.us/3wayinstallationinstructions.aspx

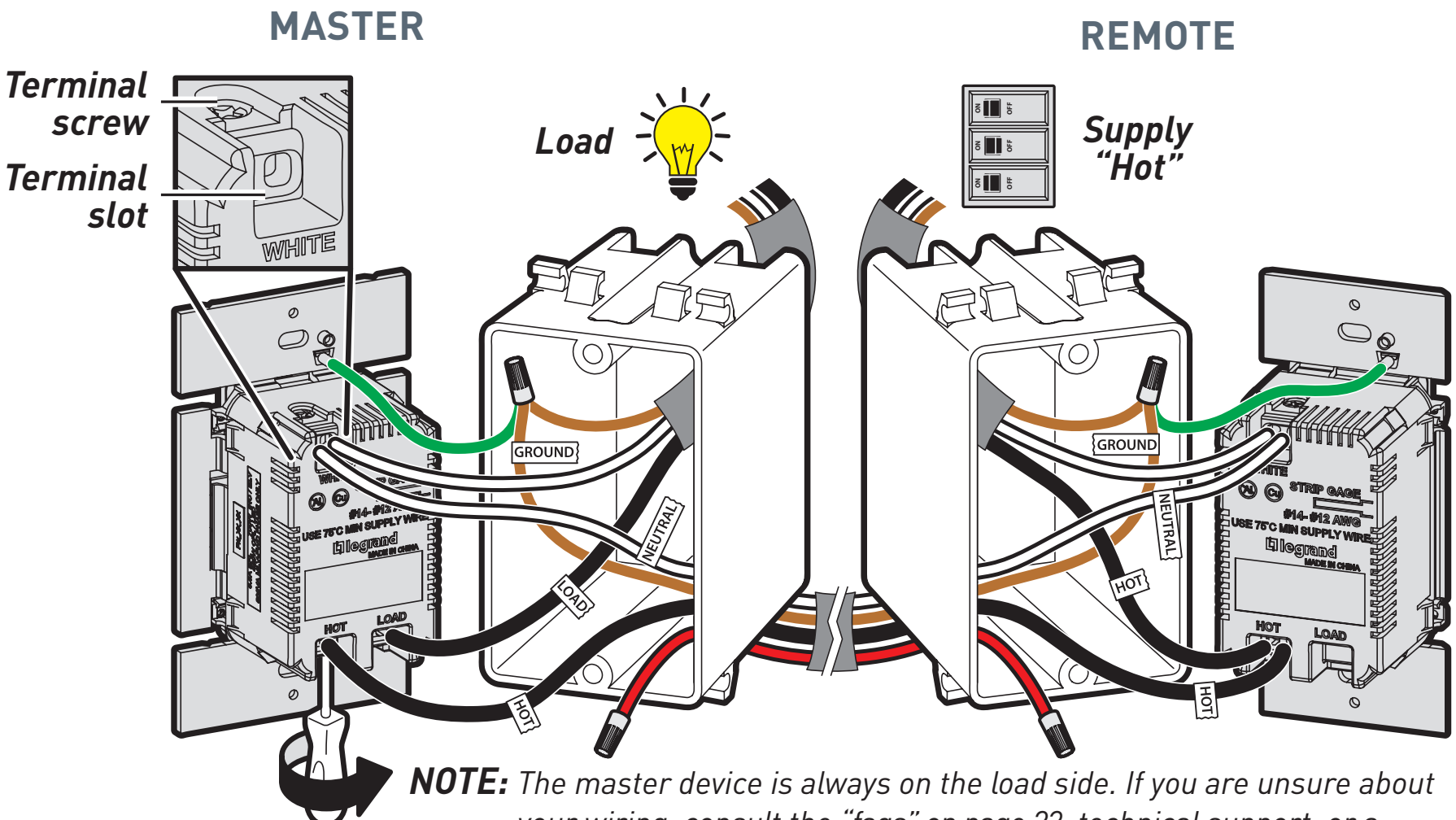
installation & setup

step three | wire the smart remote dimmer

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.

Master		Remote	
1	Connect the neutral wires to the WHITE terminal slots.	5	Connect the neutral wires to the WHITE terminal slots.
2	Connect the supply load wire to any LOAD terminal slot.	6	Connect the supply hot wire to the HOT terminal slot.
3	Connect the hot wire from the remote device to any HOT terminal slot.	7	Connect the hot wire from the master device to the HOT terminal slot.
4	Connect the ground wires to the green wiring lead on the device. Use a wire nut to secure the wires together.	8	Connect the ground wires 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.*



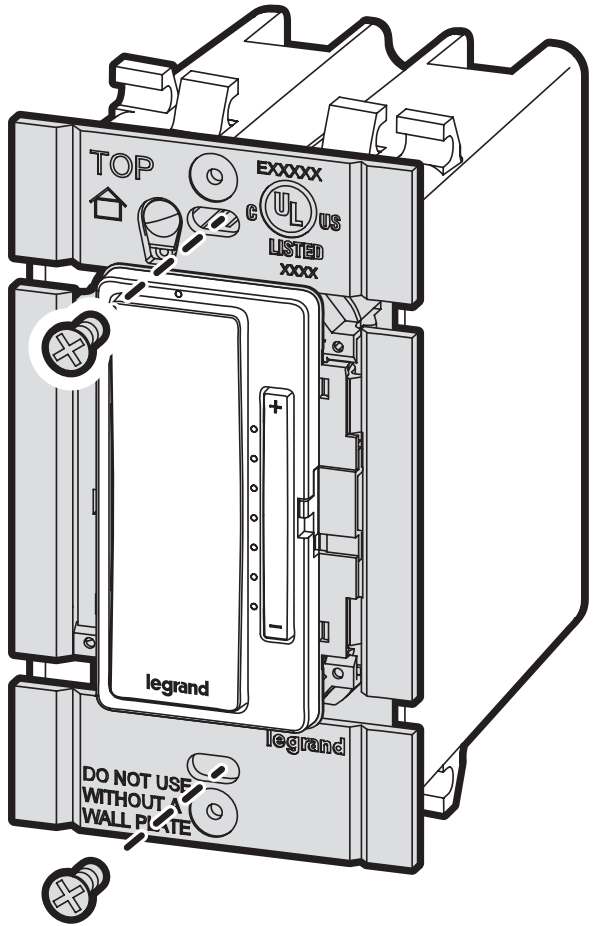
NOTE: *The master device is always on the load side. If you are unsure about your wiring, consult the "faqs" on page 23, technical support, or a licensed electrician.*

installation & setup

step four | secure the smart remote dimmer

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 remote dimmer to the electrical box. Do not fully tighten the screws.


TOP
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+
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DO NOT USE
WITHOUT A
WALL PLATE

installation & setup

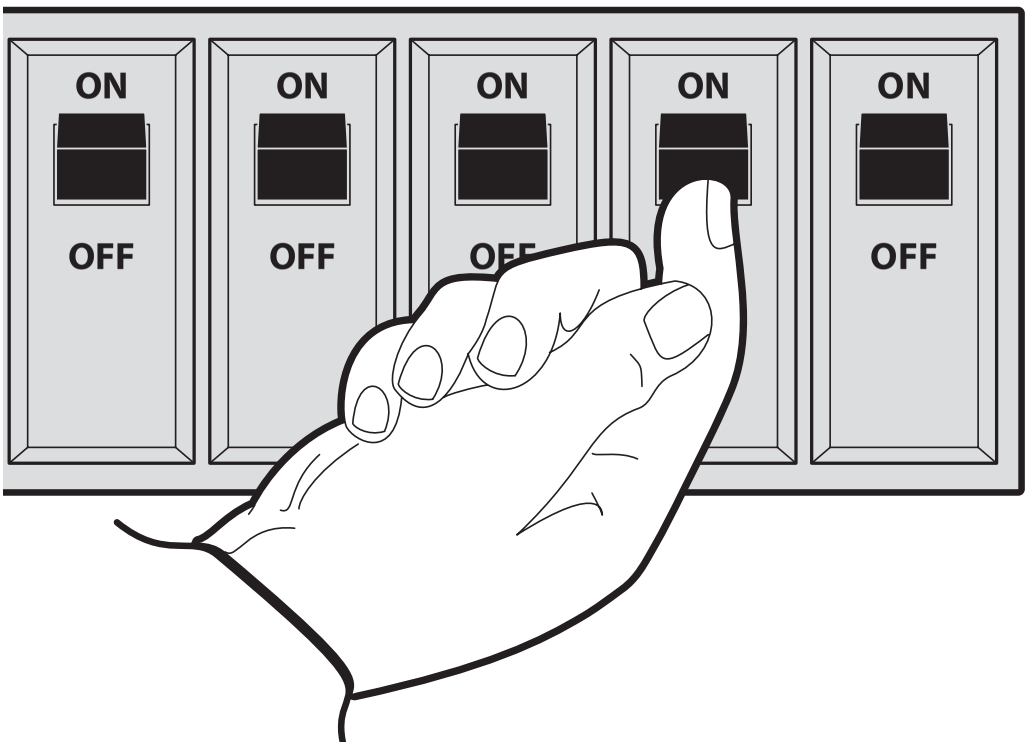
step five | pair and test the smart remote dimmer

NOTE: *See page 7 for feature details.*

1. Turn the power back on at the circuit breaker.
2. Be sure the Smart Dimmer (master device) has been added to the Apple Home and Legrand Home apps. Follow the instructions provided with the master product.
3. Hold the top of the paddle on the remote device for 15 seconds until the LED indicator is solid amber. Then release the button. The LED indicator will slowly flash amber.
4. On your phone or tablet, go to Wi-Fi settings and scroll to the bottom of the list. Click on the listed remote device. Then click "Add device to network." Make sure to choose the same Wi-Fi network that the master device is paired to. If successful, the LED indicator light will turn off.

NOTE: *Wait until the Remote is added to the Wi-Fi before continuing to next step.*

5. Hold the top of the paddle on the master device for five seconds. The LED locator light on the master device should begin to rapidly flash amber.


ON
ON
ON
ON
ON
OFF
OFF
OFF
OFF

installation & setup

6. Hold the top of the paddle of the remote device for five seconds. The LED indicator on the remote device should begin to rapidly flash green. This indicates the remote device is trying to pair with the master product.

7. If the pairing is successful, the LED indicator on the remote will rapidly flash amber indicating the master device has been found and then flash solid amber to show successful pairing.

NOTE: *If you would like to pair more remote devices to the same master device, repeat steps 3-4 and steps 6-7 with remaining remote products.*

If the LED indicator on the remote stops blinking, pairing has failed. You must repeat the process starting from step 1.

Up to 3 remote devices can be paired to one master device

8. Once you are done paring the Remotes with the Master, hold the ON button on the Master for 5 seconds. The LED indicator on the Master will turn solid white. After 30 seconds the Remote LED indicator will turn solid white. The devices are now paired.

9. Test your device: Press the paddle switch to turn your light on and off.
Test the other device for proper three-way operation.

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.

LED LOCATOR LIGHT EXPLANATIONS

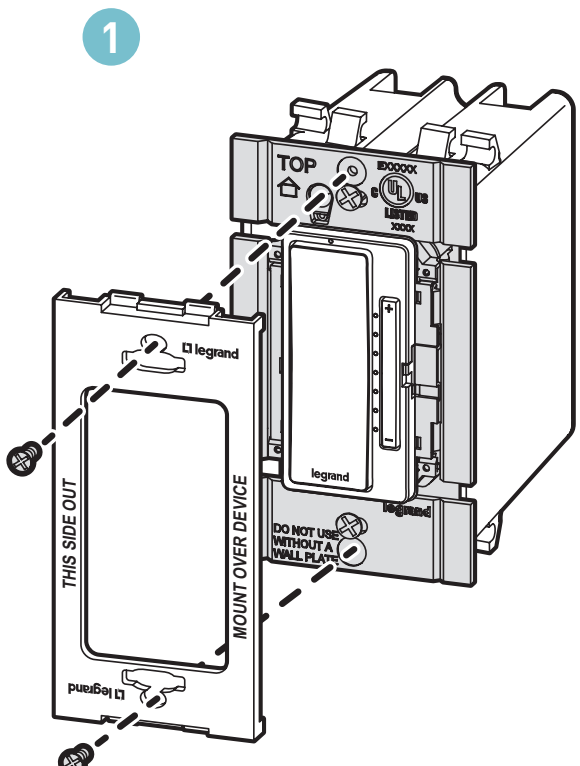
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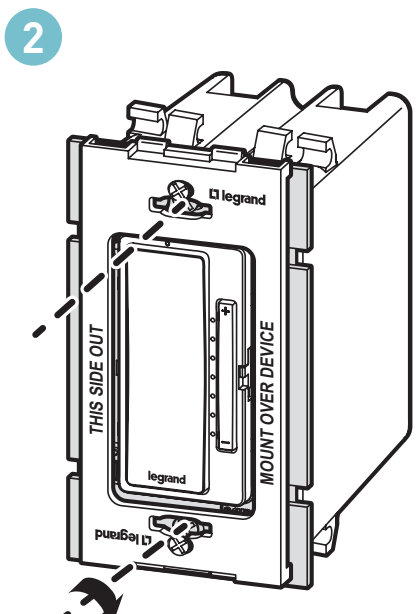
installation & setup

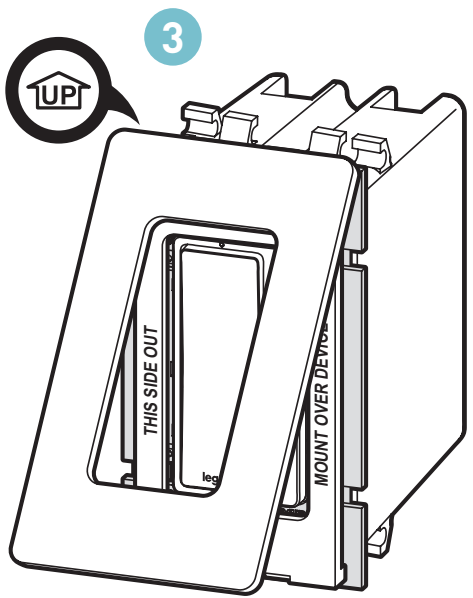
step six | attach the screwless wall plate

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 remote dimmer.
2. Tighten the device screws to secure the smart remote dimmer 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.*


1
TOP
legrand
THIS SIDE OUT
MOUNT OVER DEVICE
DO NOT USE WITHOUT A WALL PLATE


2
legrand
THIS SIDE OUT
MOUNT OVER DEVICE


3
UP
THIS SIDE OUT

installation & setup

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.

App Store is a service mark of Apple Inc., registered in the U.S. and other countries. Use of the Works with Apple HomeKit logo means that an electronic accessory has been designed to connect specifically to iPod touch, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

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.

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®.

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: 9922A-SA7522

Use of the Works with Apple HomeKit logo means that an electronic accessory has been designed to connect specifically to iPod touch, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

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 29 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)



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