



Quick Start Guide

Smart Wi-Fi Dimmer Switch

KS230 KIT

This quick start guide only applies to version 2.0.

Wiring guide:
Scan QR code or visit
<https://www.tp-link.com/support/faq/3400/>

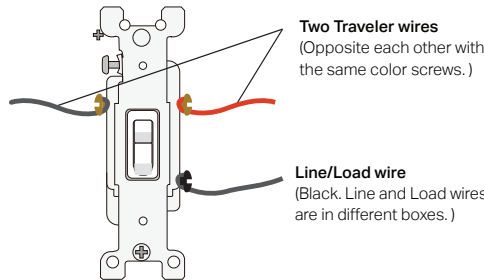


7106509733 REV2.0.0

*Images may differ from actual products.

Wire Your 3-Way Dimmer

- 1 **Turn off** the circuit breaker. Then remove the two wallplates. Your dumb switches might look like this.



- 2 Get to know the wires.

Line (Live/Hot): Usually black. One end is connected to the circuit breaker, the other to your **FIRST** 3-Way switch.

Load: Usually black. One end is connected to the light fixture, the other to your **SECOND** 3-Way switch.

Travelers: Usually one is black and the other is red.

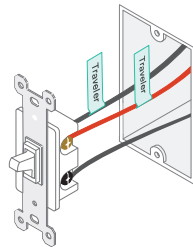
Neutral: Usually a bundle of white wires, not connected to the dumb switch. They may be folded up in the very back.

Ground: Usually green or copper.

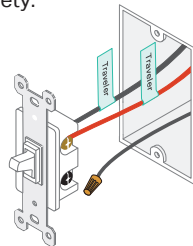
*The wire colors used in this guide are recommended by National Electric Codes (NEC). They may differ from your actual wire colors.

Note: 1. The main and satellite dimmers cannot work separately or with traditional 3-way switches. 2. You can find the detailed wiring instructions in the **Kasa Smart** app.

- 3 Label the **Traveler** wires in the two wallboxes.



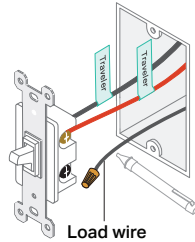
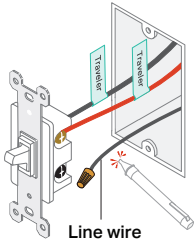
- 4 Only disconnect the **Line/Load** wires from the two dumb switches, then cover them with provided wire nuts for safety.



- 5 Identify **Line and Load** wires in the two wallboxes.

- 1) **Turn on** the circuit breaker. Use a voltage detector to identify the energized wire (**Line wire**).

⚠ Take care to avoid electric shocks.



- 2) **Turn off** the circuit breaker and label the **Line** wire. This is the wallbox for the **main** dimmer.

- 3) Label the other wire in the other wallbox as **Load** wire. This is the wallbox for the **satellite** dimmer.

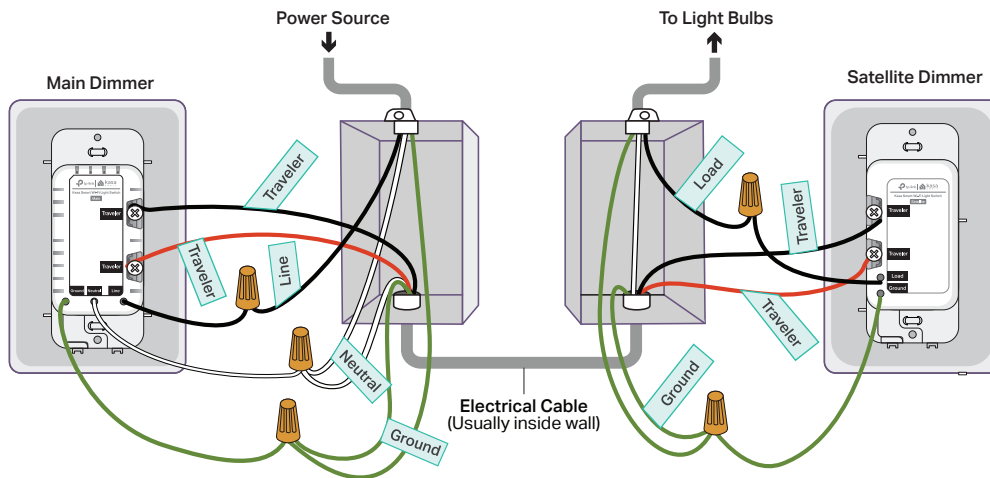
- 6 Label the **Neutral** wire in the wallbox for the main dimmer, and the **Ground** wires in both wallboxes.

CAUTION: 1. Method of mounting: Independently mounted (Vertically position only); 2. High Voltage - Disconnect power supply before servicing.

- 7 Disconnect all wires from the two dumb switches, and then connect them to the Smart 3-Way Dimmer as below. No need to distinguish between the two traveler wires.

- ! Check the main dimmer LED to see if the wires are connected correctly.

● Blinking red quickly: The wires are wrongly connected. Please check the wiring. It's recommended to consult an electrician.



Set Up Your 3-Way Dimmer

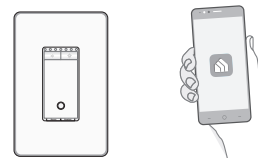
STEP 1 DOWNLOAD APP

Get the **Kasa Smart** app from the App Store or Google Play.



STEP 2 SET UP

Tap the ⊕ button in the app. Select **Smart Switches** then **Smart 3-Way Dimmer**. Then follow the app instructions to set up your smart dimmer.



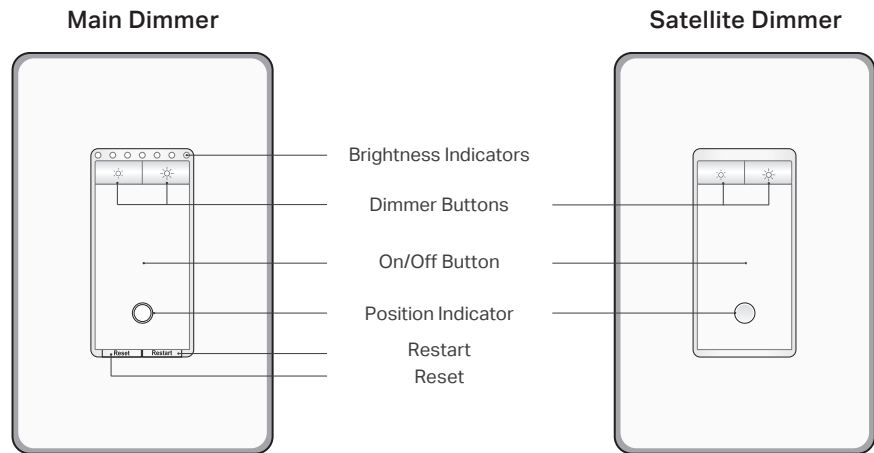


Need some help?

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for technical support, user guides, FAQs,
warranty & more

Appearance

This 3-Way Dimmer Kit has a main dimmer and a satellite dimmer. They cannot work separately or with traditional 3-way switches.



Main Dimmer Button & LED

Buttons

	Decrease or increase the brightness.
Reset	Press and hold for about 5s to reset Wi-Fi while keeping previous settings. Press and hold for about 10s to restore your dimmer to factory default settings.
Restart	Press to restart your dimmer.
On/Off Button	Press to turn on / off your dimmer.

Brightness Indicators

	Indicate the brightness of the light. More indicators means higher brightness.
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Position Indicator

Solid amber	Starting up.
Blinking amber & green	Ready for setup.
Blinking green	Connecting to Wi-Fi.
Stay green for 30s	Connected to Wi-Fi.
Solid red	Disconnected from Wi-Fi.
Blinking amber	The dimmer is being reset to factory default settings.
Solid white	The dimmer is off. LED is on to indicate the dimmer location in the dark.

Satellite Dimmer Button & LED

Buttons

	Decrease or increase the brightness.
On/Off Button	Press to turn on / off your dimmer.

Indicator LED

	The dimmer is off. LED is on to indicate the dimmer location in the dark.
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Specifications

Rating: 120 V~ 60 Hz

Load: 300 W Incandescent 150 W LED (MLV)

Operation temperature: 0~40°C

Dimming Type*: Leading Edge Dimming / TRIAC Phase Cut

Operating control, Type 1 action

Pollution Degree 2

Rated Impulse Voltage 2500 V

Software Class A

*It's also suggested to contact your bulb's Support to check the supported dimming type of the bulb.

Safety Notice

Before installing, servicing or removing the switch, read and follow all safety precautions including the following:

- CAUTION – Risk of Electric Shock – More than one disconnect switch may be required to de-energize the equipment before servicing. A circuit breaker which disconnects the Line and Neutral conductor simultaneously is suitable. Ensure power is off at the circuit breaker before removing or installing any switch. Use a non-contact voltage tester to ensure the power is off.
- The Smart Switch must be installed and used in accordance with the National Electric Code (NEC) or your local electrical code. If you are unfamiliar with these codes and requirements, or are uncomfortable performing the installation, consult a qualified electrician.
- Do not install the Smart Switch with wet hands or when standing on wet or damp surfaces.
- Install only in a suitable UL Listed outlet box (suitable dimensions: H > 2.95 in./75 mm, W > 1.81 in./46 mm, D > 2 in./51 mm).
- Tighten terminal screws to 13 lbf-in for the main dimmer switch, and 11 lbf-in for the satellite switch.
- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use the device where wireless devices are not allowed.

FCC Statement

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.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

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 undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canada Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.