## Before You Start

- The main and satellite dimmers cannot work separately or with traditional 3-way switches.
- The main and satellite dimmers are different and should be installed in the correct wallboxes.
- You can always find detailed wiring instructions in the **Kasa Smart** app.

Download on the App Store OR GET IT ON Google Play

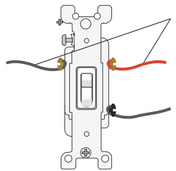
- The wire colors used in this guide are recommended by the National Electric Code (NEC). Your actual wire colors may vary.

## CAUTION:

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

## Wire Your 3-Way Dimmer

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



**Two Traveler wires**
(Opposite each other with the same color screws.)

**Line/Load wire**
(Black. Line and Load wires are in different boxes.)

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.

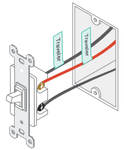
**Load:** Usually black. One end is connected to the light fixture, the other to your **SECOND** 3-Way switch.

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

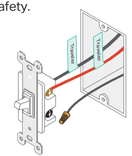
**Neutral:** Usually a bundle of white wires, not connected to the dumb switch. They may be folded up in the very back.

**Ground:** Usually green or copper.

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



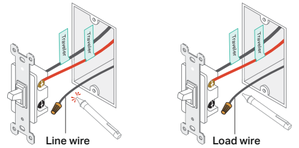

4 Disconnect the **Line/Load** wires from the two switches, then cover them with the provided wire nuts for safety.




5 Identify the **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.

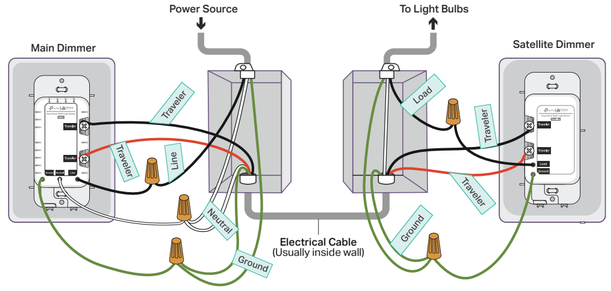
3) Label the other wire in the other wallbox as the **Load** wire. This is the wallbox for the **satellite** dimmer.

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

7 Disconnect all wires from the two dumb switches, and connect them to the Smart 3-Way Dimmer as below.

? What should I do if the main dimmer LED blinks red quickly after installation?

This means the wires are incorrectly connected. Please check the wiring. We recommend consulting an electrician.




Note: No need to distinguish between the two traveler wires.

## Set Up Your 3-Way Dimmer

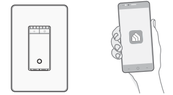
### STEP 1 DOWNLOAD APP

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

Download on the App Store OR GET IT ON Google Play

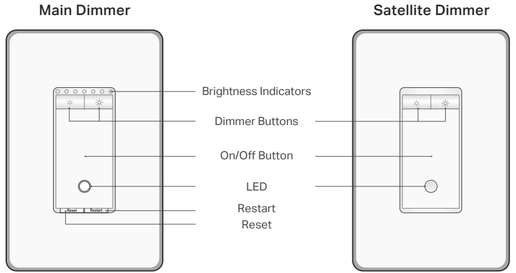
### STEP 2 SET UP

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.



## 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 **5 seconds** to reset Wi-Fi while keeping previous settings.<br>Press and hold for about **10 seconds** 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

| | |
|---|---|
| ○ ○ ○ ○ ○ ○ ○<br>Brightness Indicators | Indicate the brightness of the light. More indicators means higher brightness. |

### LED

| | |
|---|---|
| Solid amber | Starting up. |
| Blinking amber & green | Ready for setup. |
| Blinking green | Connecting to Wi-Fi. |
| Solid 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.<br>LED is on to indicate the dimmer location in the dark. |
| Blinking red quickly | The wires are incorrectly connected. |

## Satellite Dimmer Button & LED

### Buttons

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

### LED

| | |
|---|---|
| ○<br>Solid White | The dimmer is off.<br>LED is on to indicate the dimmer location in the dark. |

## Support

For technical support, user guides, FAQs, warranty & more, please visit **https://www.tp-link.com/support**

## 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.

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# Quick Start Guide

Smart Wi-Fi 3-Way Dimmer

KS230 KIT

*This quick start guide only applies to V2 version.

**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.