tp-link | kasa smart

Quick Start Guide

Smart Wi-Fi 3-Way Dimmer

KS230 KIT

Wiring guide:
Scan QR code or visit
https://www.tp-link.com/support/faq/3037/

Install with videos:
Scan QR code or visit
https://www.tp-link.com/us/support/download/ks230-kit/#video

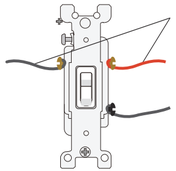
7106509518 REV1.1.1

*Images may differ from actual products.

Wire Your 3-Way Dimmer

*You can find step-by-step instructions in the **Kasa Smart** app.

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

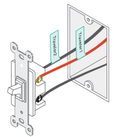


2 Get to know the wires.

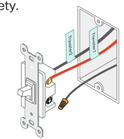
Line (Live/Hot): Usually black. One end is connected to the circuit breaker, the other to your **FIRST** 3-Way switch.
Load: Usually black. One end is connected to the light fixture, the other to your **SECOND** 3-Way switch.
Traveler 1 / 2: Usually one is black and the other is red.
Neutral: Usually 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.

Note: Apply the same label to the same color wires in two wallboxes. For example, label the **red** wire as **Traveler 1**. And do not cross Traveler 1 and Traveler 2 wires between two wallboxes in later connection.



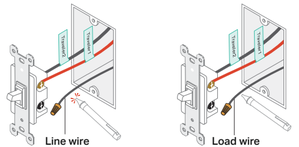
4 Only disconnect the **Line/Load** wires from the two dumb switches, then cover them with provided wire nuts for safety.



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.

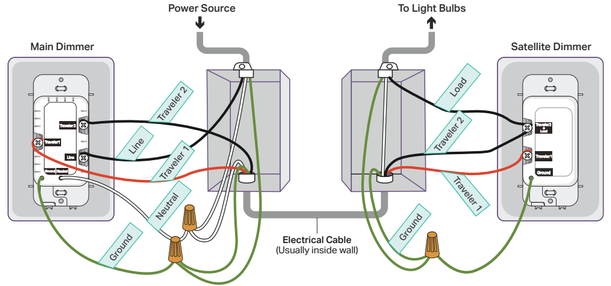
3) Label the other wire in the other wallbox as **Load** wire. This is the wallbox for the **satellite** dimmer.

6 Label the **Ground** and **Neutral** wires.

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

? What happens if Traveler 1 of main dimmer is connected to Traveler 2 of satellite dimmer?

Smart Dimmers won't work. Wi-Fi LED will blink red rapidly. Swapping Traveler 1/2 wiring positions of the satellite dimmer will solve the problem.



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

Set Up Your 3-Way Dimmer

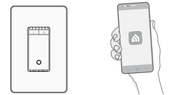
STEP 1 **DOWNLOAD APP**

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.



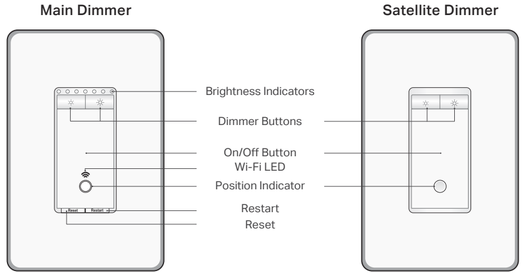
Need some help?

Visit www.tp-link.com/support
for technical support, user guides, FAQs, warranty & more

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Appearance

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



Position indicator of the satellite dimmer is **always on**.

Main Dimmer Button & LED

Buttons

☼ / ☼	Decrease or increase the brightness.
Reset	Press and hold for about **5s** to reset Wi-Fi while keeping other 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.

Indicator LED

Brightness Indicators	Indicate the brightness of the light.
Position Indicator	Indicate the dimmer location in the dark. It turns on when light fixture is off.

Wi-Fi LED

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 switch is being reset to factory default settings.
Blinking red rapidly	Traveler 1 of main dimmer is connected to Traveler 2 of satellite dimmer. Please check wiring.

Satellite Dimmer Button & LED

Buttons

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

Indicator LED

Position Indicator	Indicate the dimmer location in the dark. It is **always on**.

Specifications

Rating: 120V~ 60Hz
Load: 300W Incandescent 150W LED (MLV)
Operation temperature: 0~40°C
Dimming Type*: Leading Edge Dimming / TRIAC Phase Cut
*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.