

Quick Start Guide

Smart Wi-Fi Light Switch,
Dimmer, 3-way kit

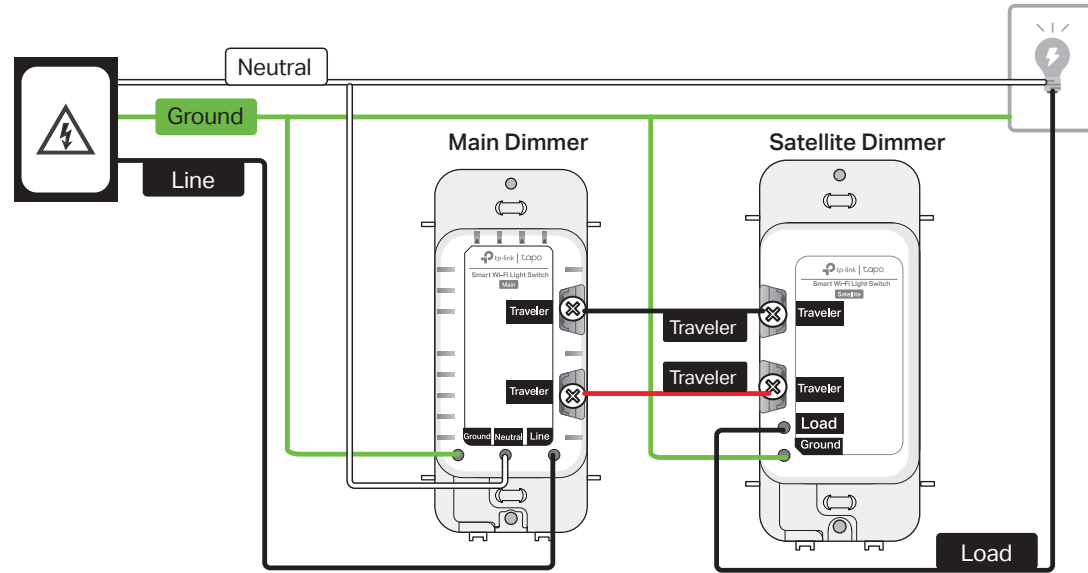
Wiring guide:
Scan QR code or visit
<https://www.tp-link.com/support/faq/3998/>



7106511304 REV1.0.0

*Images may differ from actual products.

Wiring Diagram

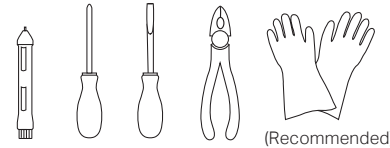


Before You Start

- 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 wall boxes.
- You can always find detailed wiring instructions in the **Tapo** app.

Tools You'll Need

- Pliers
- Philips or Slotted Screwdriver
- Electrical Detector
- Electrical Insulated Gloves



CAUTION!

- Risk of Electric Shock - The product should be installed by a qualified electrician.
- High Voltage - Disconnect power supply at the circuit breaker before servicing.
MISE EN GARDE - Haute tension : débranchez l'alimentation électrique au niveau du disjoncteur avant l'utiliser.
- Use copper conductors only.

Get to Know the Wires

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

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. The two terminals are opposite each other with the same color screws.

Neutral:

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

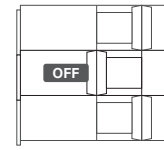
Ground:

Usually green or copper.

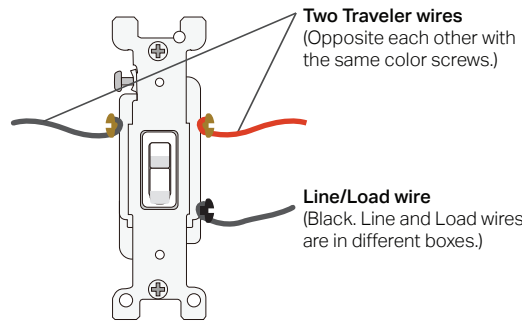
Wire Your Switch

1. Label Traveler Wires for the Two Wall Boxes

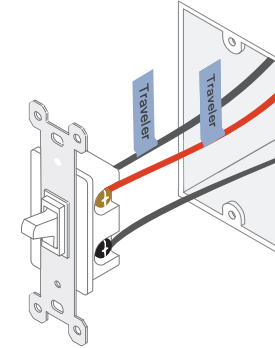
- Turn off** the circuit breaker. Then remove the two wallplates.



Your dumb switches might look like this.

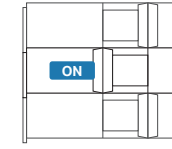


- Label the **Traveler** wires in the two wall boxes.



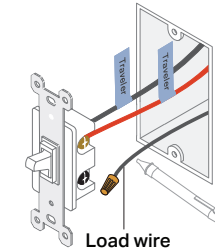
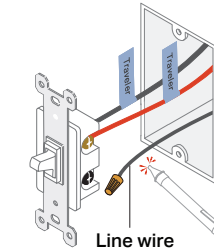
2. Identify Line/Load and Label the Wires

- Disconnect the **Line/Load** wires from the two switches, and cover them with the provided wire nuts for safety. Then **turn on** the circuit breaker.

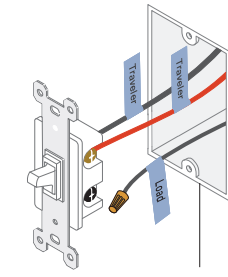
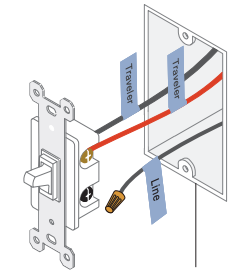


- Use a voltage detector to identify the energized wire (**Line** wire). The other will be the **Load** wire.

Take care to avoid electric shocks.



- Turn off** the circuit breaker and label the **Line** wire. This is the wall box for the **main** dimmer. Label the other wire in the other wall box as the **Load** wire. This is the wall box for the satellite dimmer.

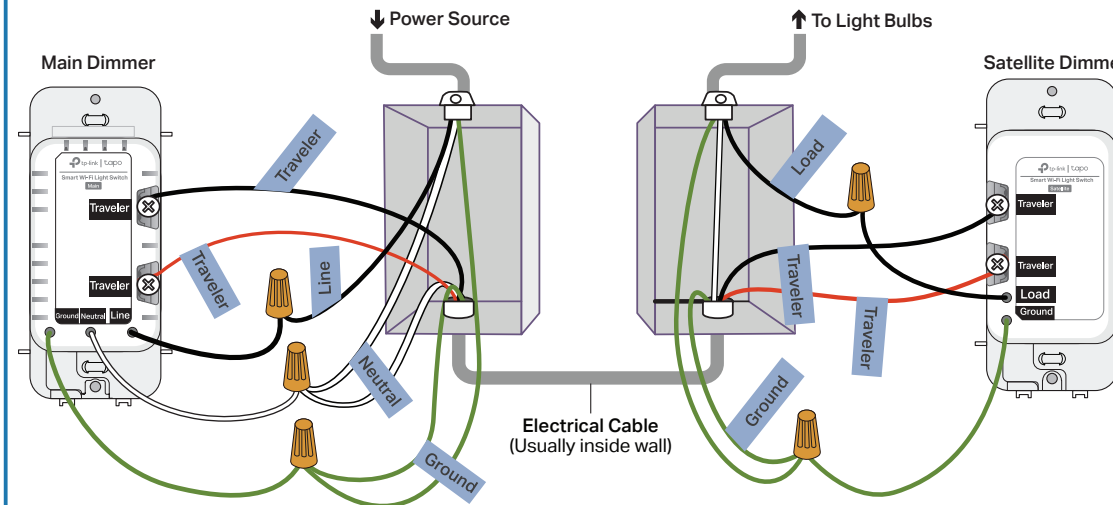


Note: If your **Line** and **Load** wires are in the same wall box, just label the wires and follow the wiring guide below.

- Label the **Neutral** wire in the wall box for the main dimmer, and the **Ground** wires in both wall boxes.

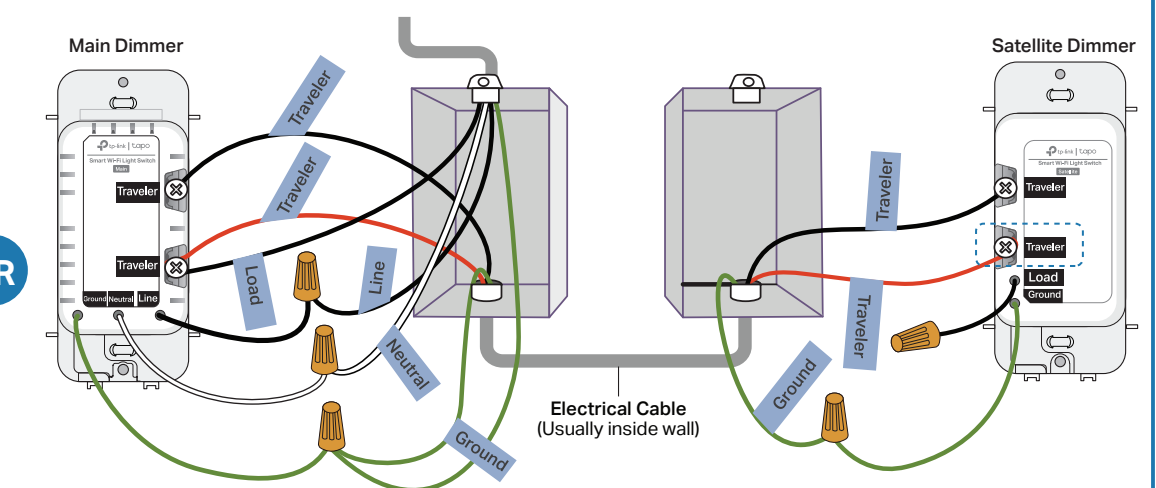
3. Disconnect Wires from Old Switches and Connect to the Smart Dimmers

If the **Line** and **Load** wires are in **separate** wall boxes



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

If the **Line** and **Load** wires are in the **same** wall box



- The Satellite's load wire should be capped with a wire nut for safety and left unused.
- Identify the color of the **Satellite's Traveler wire** near its Load wire. Connect the **Traveler wire** of the same color from the main's wall box to either **Traveler terminal**. Then, connect the **Load wire** from the wall box to the same terminal.



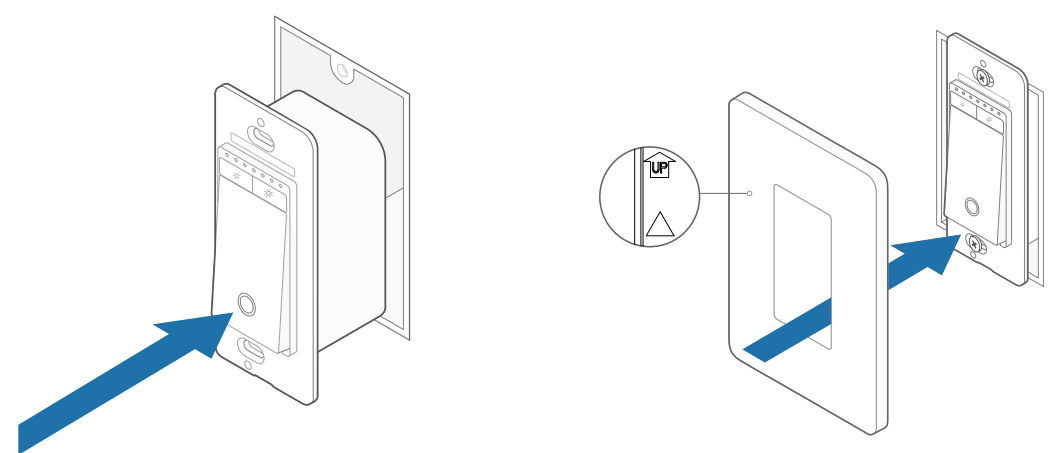
For technical support, user guides, FAQs,
warranty & more, please visit
<https://www.tapo.com/support>

Install Smart Dimmers

Install the Smart Dimmers

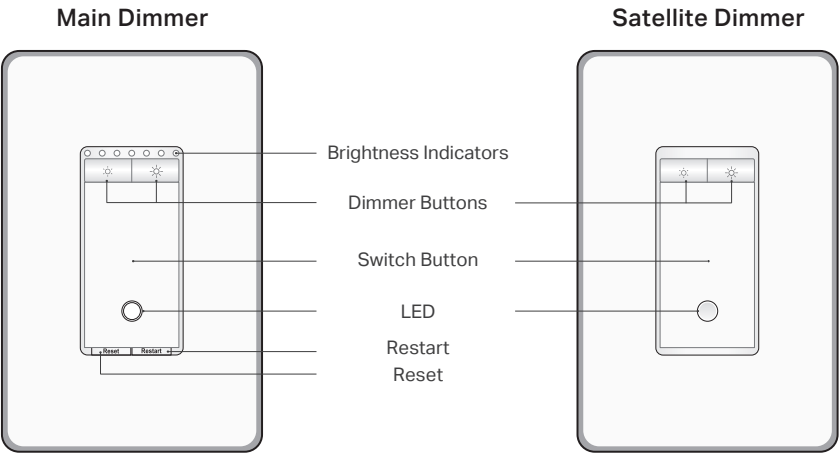
- 1

Line up the dimmer switch with the mounting holes. Secure it with screws.
- 2

Ensure the **UP** arrow on the back of the wallplate points up and attach the wallplate. Then turn on the circuit breaker.
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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.



Set Up

Set Up Smart Dimmer

1. Get the **Tapo** app from the App Store or Google Play.



2. Set up your smart dimmer.

• Setup via Tapo

Tap the **+** button in the Tapo app. Select **Switches/Buttons** and then your model. Follow the app instructions to complete setup.

• Setup via Matter

Open your preferred smart home app and add the device via the Matter setup code on the device or in the package.

Why Adding to Tapo?

You can add the dimmer to other eco-systems through the Matter setup code. But Tapo can offer more than others.

 Energy Monitoring

Track the energy usage and estimate the energy bills. Currently, this feature is only available in the Tapo app.

 Latest Firmware Update

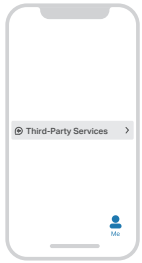
Third-party apps may not provide timely device firmware updates. Get latest firmware updates for new features and optimized experience from Tapo.

 Detailed Wiring Guide and Troubleshooting

Tapo provides step-by-step wiring instructions.

Third-Party Services

If you set up the dimmer via Tapo, you can link Tapo to Alexa, Google Assistant, and other third-party services to for voice control. Go to **Me > Third-Party Services** in the Tapo app to integrate third-party services.



For step-by-step setup instructions, please visit:

• Google Home Assistant:

<https://www.tp-link.com/support/faq/2779/>

• Amazon Alexa:

<https://www.tp-link.com/support/faq/2780/>

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.

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. Press and hold for about 10 seconds to restore your dimmer to factory default settings.
Restart	Press to restart your dimmer.
Switch 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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LED

Solid amber	Starting up; Disconnected from the cloud
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. 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

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

Frequently Asked Questions (FAQ)

Q1: What if the main dimmer LED blinks red after installation?

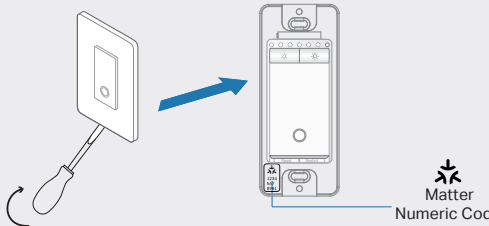
A: If the bulb does not light up, then LED blinking red means the **Traveler** wires are incorrectly connected.
If the bulb lights up and then turns off, then LED blinking red means the **Load** wire is incorrectly connected.

Q2: Is 4-way connection supported?

A: 4-way connection is not supported.

Q3: How to find the Matter setup code?

A: Detach the wallplate of the main dimmer with force, and you'll see the Matter numeric code. You can find another Matter setup code label in the package and stick it anywhere you like as needed for Matter setup.



Q4: Is a hub required to set up the switches?

A: No hub is required to set up in the Tapo app.
The hub is only required if you add the switches directly to other eco-systems via Matter setup.

Q5: Cannot find the Energy Monitoring feature in the third-party apps

A: Currently, the Energy Monitoring feature is only available in the Tapo app.