tp-link | tapo

Quick Start Guide

Smart Wi-Fi Light Switch

Wiring guide:
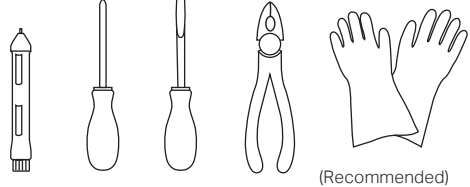Scan QR code or visit
https://www.tp-link.com/support/faq/3999/

Before You Start

Tools You'll Need

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

(Recommended)

- Do Not use two Tapo smart switches together for 3-way or 4-way connection.
- You can always find detailed wiring instructions in the **Tapo** app.

⚠ CAUTION !

1. **Risk of Electric Shock** - The product should be installed by a qualified electrician.
2. **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.
3. Use copper conductors only.

Wiring Diagram

Option 1: Single Pole Connection

For scenarios where 1 light is controlled by 1 switch. You can connect the **Load** wire to either **Traveler** terminal on your Tapo smart switch.

Option 2: 3-Way Connection

Connect the smart switch to your 3-way circuit together with your existing traditional 3-way switch.

Option 3: 4-Way Connection

Connect the smart switch to your 4-way circuit together with your existing traditional 4-way and 3-way switches.

Wire Your Switch

1/ Pull Out the Old Switch & Get to Know the Wires

1 **Turn off** the circuit breaker. Remove the wallplate of the old switch in one of your 3-way wall boxes and pull the switch out.

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.

The wire colors used in this guide are recommended by the National Electric Code (NEC). Your actual wire colors may vary.
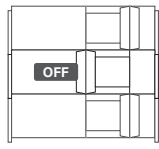
Line (Live/Hot): Usually black. One end is connected to the circuit breaker, the other to your **FIRST** 3-Way switch.

Load: Usually black. One end is connected to the light fixture, the other to your **SECOND** 3-Way switch.
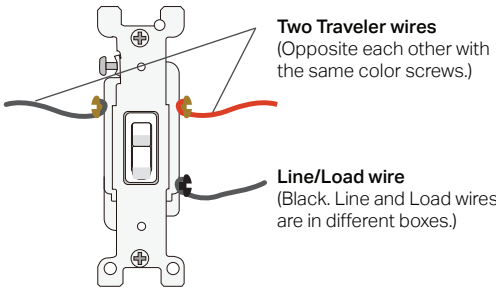
Travelers: Usually one is black and the other is red. The two terminals are opposite each other with the same color screws.

Neutral: Usually a bundle of white wires and not connected to the dumb switch. They may be folded up in the very back.
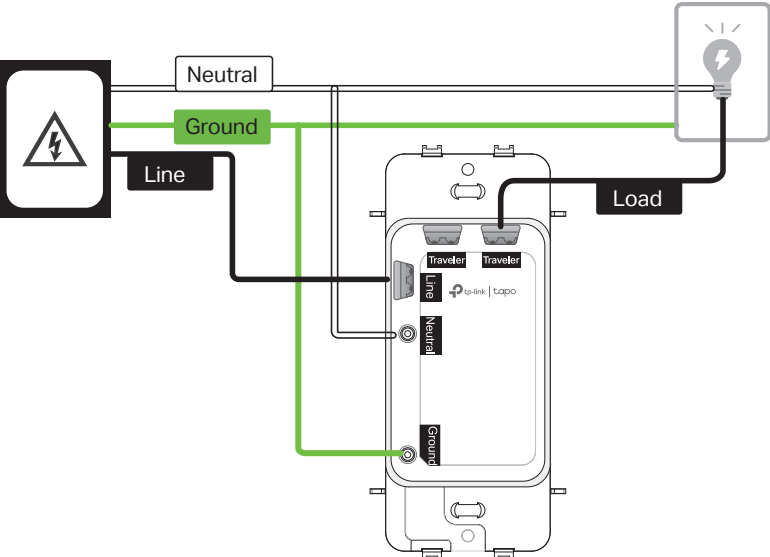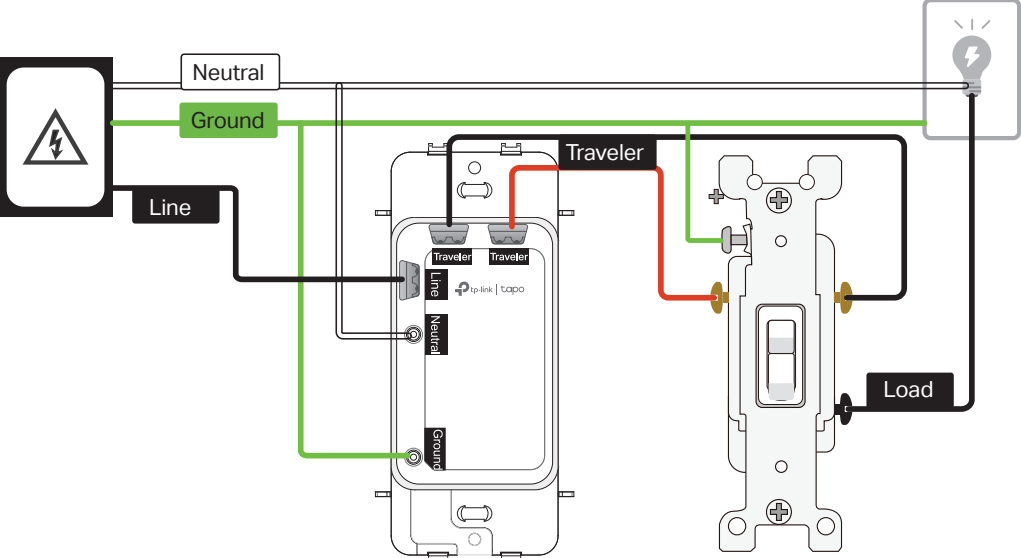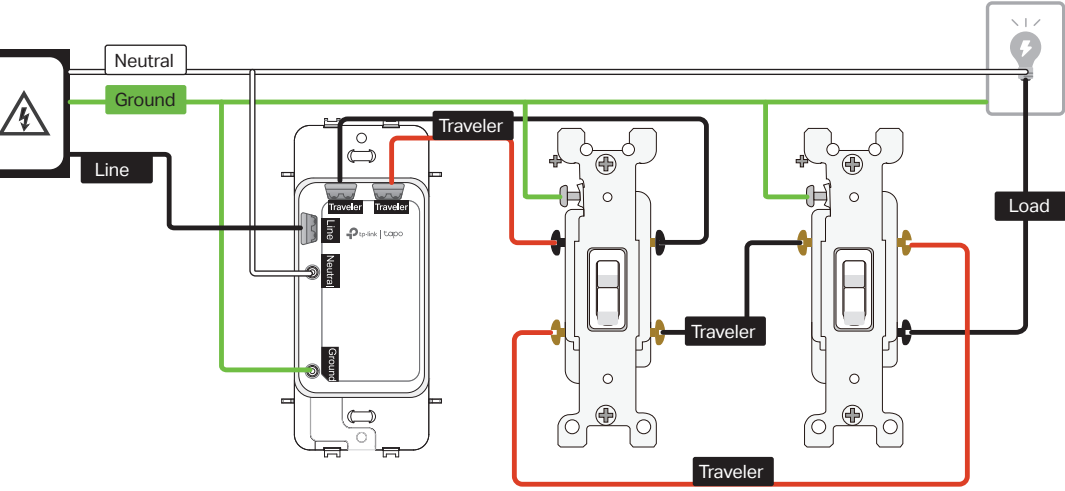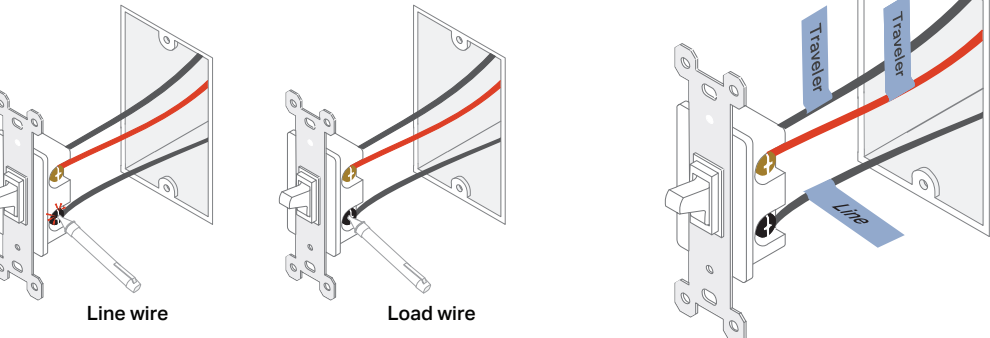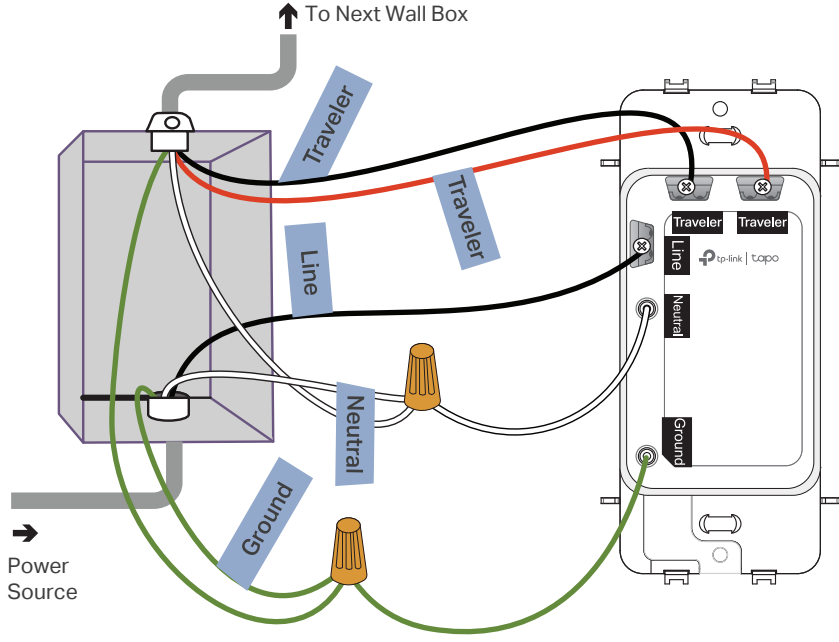
Ground: Usually green or copper.

2/ Identify the Line Wire and Other Wires

1 **Turn on** the circuit breaker and turn off the switch. Put the voltage detector on the terminal screw of the **Line/Load** wire. The energized wire is the **Line** wire. The switch in this wall box will be the one to be replaced with Tapo smart switch.

Line wire   Load wire

2 **Turn off** the circuit breaker. Label the **Ground**, **Neutral**, **Traveler**, and **Line** wires.
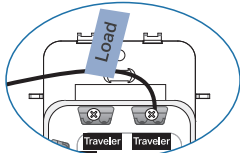
3/ Remove Old Switch and Connect the Wires

Disconnect wires from the old switch and connect them to the smart switch as below. No need to distinguish between the two Traveler wires.
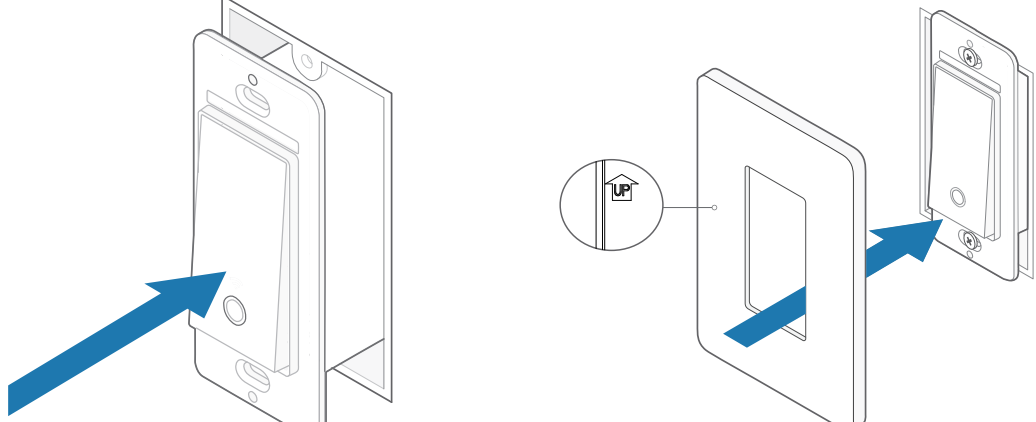
To Next Wall Box

Power Source

For **single-pole** connection, connect the **Load** wire to either **Traveler** terminal on your Tapo smart switch. The other **Traveler** terminal will be left unuse.

4/ Install the Smart Switch

1 Line up the 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
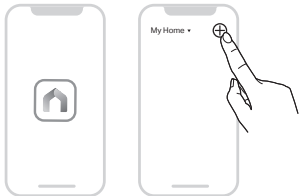
Download Tapo App

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

OR

Set Up

● Setup via Tapo

Tap the ⊕ button in the Tapo app. Select **Switches/Buttons** and then your model. Then follow the app instructions to set up your smart switch.
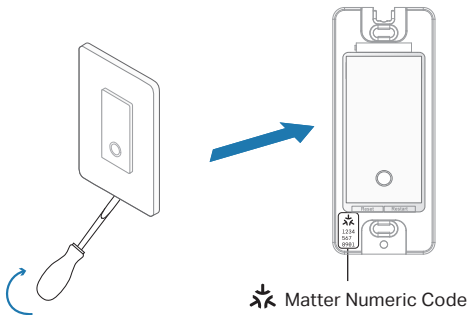

● Setup via Matter ⋇

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

Matter Setup Code

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

⋇ Matter Numeric Code

Why Adding to Tapo?

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

1. **Energy Monitoring.** Track the energy usage and estimate the energy bills. Currently, this feature is only available in the Tapo app.
2. **Latest firmware update.** Third-party apps may not provide timely device firmware updates.
3. **Detailed wiring guide and troubleshooting.** Tapo provides step-by-step wiring instructions.
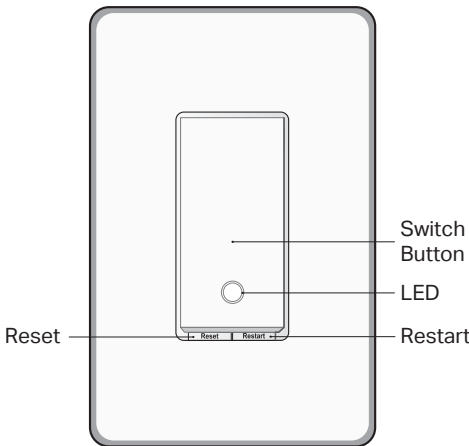

Third-Party Services

If you set up the switch 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/

Appearance

Switch Button
LED
Reset
Restart

Buttons & LED

Buttons

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 switch to factory default settings.
Restart	Press to restart your switch.
Switch Button	Press to turn on / off your switch.

LED

Solid amber	Starting up; Disconnected form 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	Device resetting
Solid white	The switch is off. LED is on to indicate the switch location in the dark.
Blinking green slowly	Firmware upgrading

Frequently Asked Questions (FAQ)

Q1: Can I connect two Tapo smart light switches to my 3-way or 4-way circuit?

A1: Tapo smart light switch can only work with traditional 3-way or 4-way switches. Do Not use two Tapo smart switches together for 3-way or 4-way connection.

Q2: Have any trouble with the wiring?

A2: If you fail to wire the smart switch or encounter any troubles in the wiring process, please visit https://www.tp-link.com/support/faq/3999/ for the installation guide.

Q3: Is a hub required to set up the switches?

A3: 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.

Q4: Cannot find my switch in the setup process?

A4: Your phone looks for the smart switch via Bluetooth. If it is unable to find your switch, you can:
1. Move your smartphone closer to the smart switch and disconnect other Bluetooth devices from your phone.
2. Turn off Bluetooth on your phone, then turn it back on and try again.
3. Restart your switch by pressing the Restart button.
4. If the problem persists, press and hold either of the Reset button on the switch for about 10s to restore your switch to factory default settings.

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

A5: Currently, the Energy Monitoring feature is only available in the Tapo app.

Specifications

Rating: 100-120 V~ 50/60 Hz
Load: 15 A General Use, 600 W Incandescent
Operation temperature: 0~40 °C
Method of mounting included: Independently mounted (Vertically position only);
Operating control, Type 1.C action
Pollution Degree 2, Rated Impulse Voltage 2500 V
Software Class A, NEMA Type 1

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.
• 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.