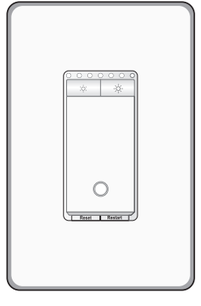
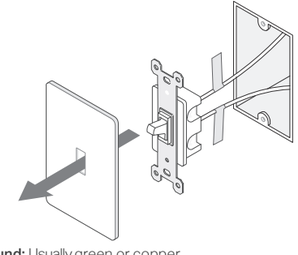
Product Introduction

Kasa smart dimmer switch turns on and dims the lights automatically, saving you effort and electricity bills.



Wire Your Switch

1. **Turn off** the circuit breaker. Then remove the old wallplate of the wall switch and label the **Ground** and **Neutral** wires.



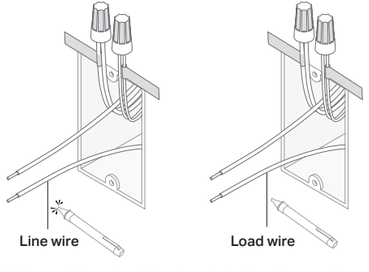
Ground: Usually green or copper.
Neutral: Usually white and not connected to a dumb switch.
Line: Usually black and coming from the circuit breaker.
Load: Usually black. One end is connected to the light.
If you are unsure, consult a qualified electrician.

2. Disconnect the wires from the old switch.

3. Identify **Line** and **Load** wires.

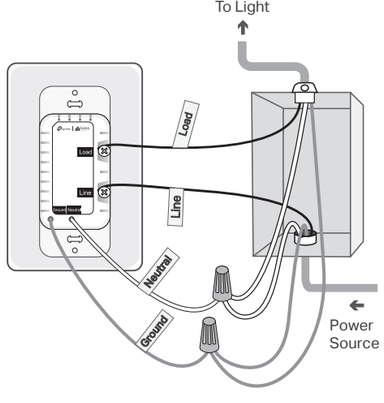
1) **Turn on** the circuit breaker. Use a voltage detector to identify the energized wire (**Line wire**).

⚠ Take care to avoid electric shocks.

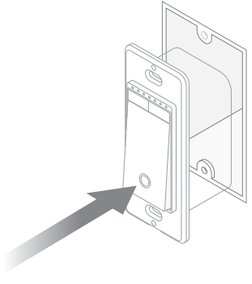


2) **Turn off** the circuit breaker. Label the **Line** and **Load** wires.

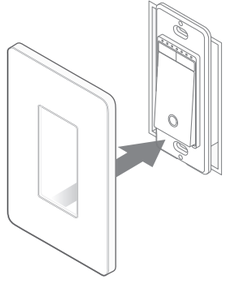
4. Connect the wires to the smart dimmer switch as shown below.



5. Line up the switch with the mounting holes. Secure it with screws.



6. Attach the wallplate. Then the wiring is finished.



Flip the page over to complete setup.

Need some help?

Visit www.tp-link.com/support

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

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Set Up Your Switch

STEP 1 DOWNLOAD APP

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

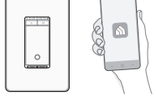
Download on the App Store

GET IT ON Google Play

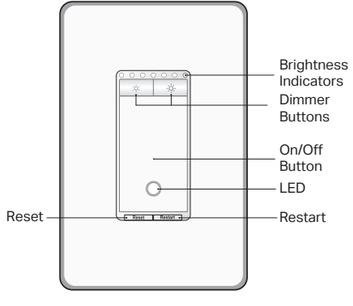
OR

STEP 2 SET UP

Tap the ⊕ button in the app and select **Smart Switches**. Then follow the step-by-step app instructions to set up your smart dimmer switch.



Appearance



Button Explanations

☼ / ☼	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 switch to factory default settings.
Restart	Press to restart your switch.

LED Status

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	Device resetting.
White	Light fixture is off.

Specifications

Rating: 120V~ 60Hz
Load: 300W Incandescent, 150W LED
Operation temperature: 0~40°C
Method of mounting included: Independently mounted (Vertically position only);
Operating control, Type 1 action
Pollution Degree 2, Rated Impulse Voltage 2500 V
Software Class A, NEMA Type 1

CAUTION

High Voltage-Disconnect power supply before servicing

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.

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Quick Start Guide

Smart Wi-Fi Light Switch, Dimmer

model :Tapo S500D

*Images may differ from your actual product.

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.

We, TP-Link USA Corporation, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Canadian Compliance 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.

Radiation Exposure Statement:
This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.
Déclaration d'exposition aux radiations:
Cet équipement est conforme aux limites d'exposition aux rayonnements ICÉtablies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

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.

Industry Canada Statement
CAN ICES-3 (B)/NMB-3(B)