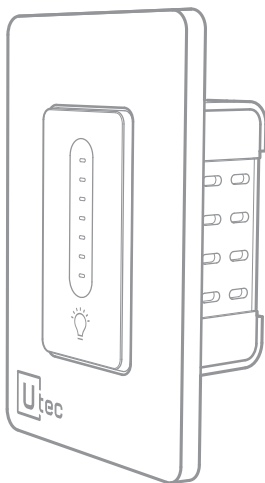


Smart Dimmer Switch

User Guide (v1.3)

US01



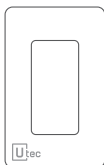
**Neutral wire
Required**

About Privacy

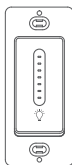
By using your device, you agree to be bound by the U-tec Privacy Policy. Please read all applicable terms, rules, policies and usage provisions found at www.u-tec.com/pages/privacy.

What's in the Box

Cover Panel



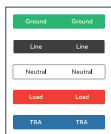
Dimmer Switch



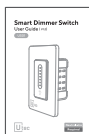
Wire Nuts



Cable Label



User Guide



Screws

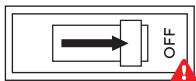


Need Help?

For technical documents and more details
Please visit support.u-tec.com

Attention

To avoid fire, shock, or death, turn off power at circuit breaker or fuse, and test that the power is off before wiring.



-  Neutral Wire is required. (Please kindly check your house wires if your house was built prior to the mid-80's.)
-  Make sure wall boxes with 18 cu in. vol. or above.
-  In a 3-Way installation, DO NOT use two smart dimmer switches to control one light.
-  Need 2.4GHz Wi-Fi (Does not support 5GHz Wi-Fi).
-  Only Non-smart dimmable bulbs are Supported (430W Max. for INC, and 250W Max. for CFL & LED).



250W

Dimmable LED



250W

Dimmable CFL

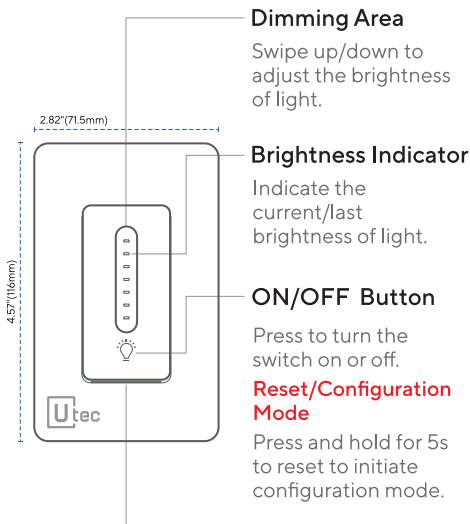


430W

Incandescent

 Electricity can cause personal injury and property damage if handled improperly. If you are not sure about any part of these instructions, please seek professional assistance from a qualified electrician.

Product Outline



Status Indicator

Solid Green

Indicate that the light is switched on.

Solid White

Indicate that the light is switched off.

Flash Green (Slow)

Configuration mode initiated.

Flash Green (Fast)

Connecting to WiFi.

Technical Specifications

Input:

100-130V~, 60Hz

Max Load:

430W Incandescent

250 W LED&CFL

Dimensions (W x D x H)

4.2 x 1.8 x 1.4 inch
(without cover panel)

4.6 x 2.8 x 1.8 inch
(with faceplate)

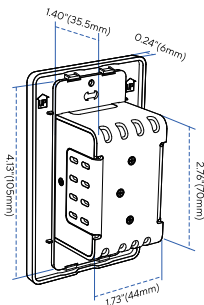
Operating Temp.

14°F - 122°F/-10°C - 50°

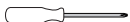
Communication: WiFi 802.11 b/g/n 2.4 GHz

Bluetooth 5.0

Weather resistant: Indoor Use Only



Tools you'll need



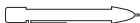
Phillips-head screwdriver



Flat-head screwdriver



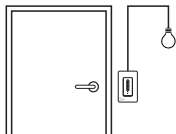
Pliers



Voltage tester

⚠ WARNING: Please refer to the voltage tester guide manual, or seek professional assistance from a qualified electrician.

A. Installation for Single Pole

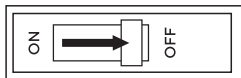


Please scan this QR code to watch the step by step installation video before attempting to install U-tec Smart Dimmer Switch, or you can access our website here.

www.u-tec.com/power/dimmer_switch/guide

Before Installation: Turn Off Power

Turn off the power at the circuit breaker or fuse, and test that the power is off before installation.



⚠ CAUTION: Compatible bulb type/max Load:
Incandescent/430W, LED&CFL/250W. Please
check your bulb/load before installation.

STEP 1

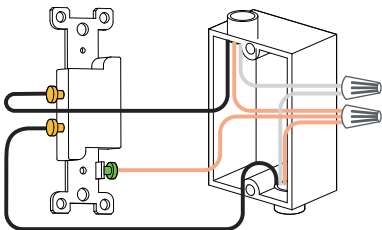
Pull Out Old Switch

⚠ WARNING: Before pulling out, turn off power at circuit breaker or fuse, and use a voltage tester to confirm whether power is off before wiring.

Unscrew the switch plate, old switch and pull it out of the wall. **Do not remove any wires.**

STEP 2

Get to know the wires



⚠ WARNING: Neutral wire is required to install the smart switch. If you can't find the neutral wire, please call an electrician for help.

Line: Usually black.

Load: Usually black, connected to the light.

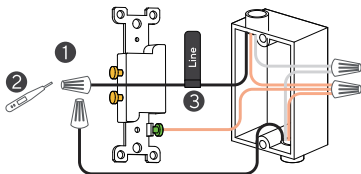
Neutral: Usually white.

Ground: Usually green or copper.

STEP 3

Identify and Label “Line” wire

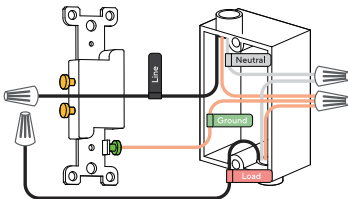
1. Disconnect the line and load wires from the dumb switch, then cover them with provided wire nuts for the sake of security.
2. Turn on the circuit breaker and use a voltage tester to identify the energized wire (line wire).
3. Turn off the circuit breaker and label the Line wire.



STEP 4

Label the Other Wires

Label the other wire as load wire. Label the ground and neutral wires.



STEP 5

Take Pictures of the Wires

Take one or two pictures of the old switch and where each wire is connected to it, in case you need guidance to reverse the installation.

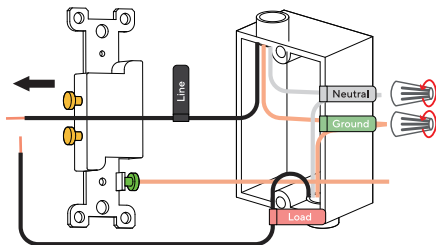
⚠ NOTE: Make sure all of the text on the labels in the pictures are clearly displayed.

STEP 6

Remove existing Dumb Switch

⚠ WARNING: Before removing, turn off power at circuit breaker or fuse and use a voltage tester to **confirm the power is off**.

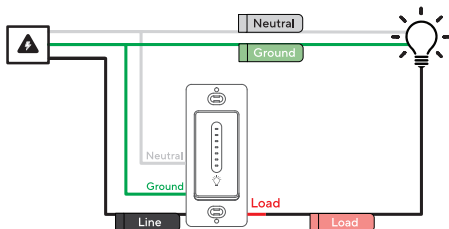
Disconnect all wires and remove the dumb switch, then connect them to the smart switch.



STEP 7

Connect the Smart Switch

Connect the wires to the smart switch.



Single Pole (Only 1 Smart Switch)

⚠ WARNING: Make sure the power is **turned OFF** before you proceed. Your existing wires may have different colors than those shown.

• Connect Neutral and Ground Wires

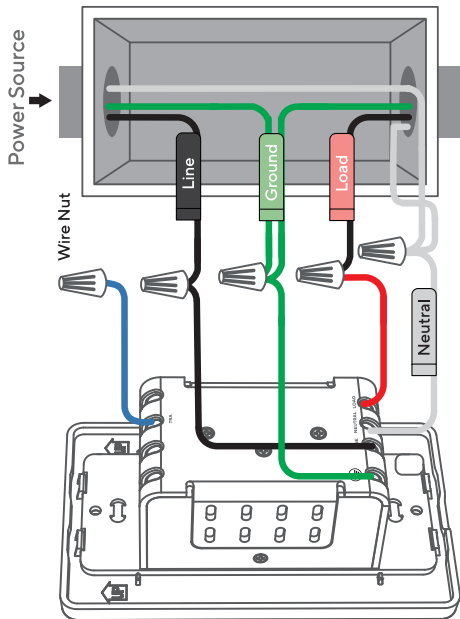
⚠ Note: Neutral: usually white.

Ground: usually green or copper.

Use wire nuts to connect Neutral/Ground from the outlet box to the respective NEUTRAL /Ground from the smart switch, as show in the picture.

• Connect Line Wire

Use a wire nut to connect the labeled Line wire from the outlet box to the LINE wire coming from the smart switch.



• Connect Load Wire

Use a wire nut to connect the labeled Load wire from the outlet box to the LOAD wire coming from the smart switch.

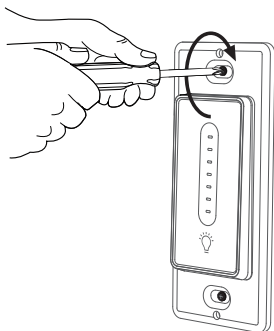
⚠ WARNING: All wires from the Smart Switch must be capped with wire nuts.

⚠ WARNING: Death or serious injury may occur if instructions are not properly followed.

STEP 8

Mount the Switch

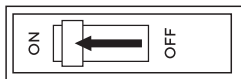
Form all wires carefully into outlet box, and mount switch with screws supplied.



STEP 9

Turn on Power

Turn the power on at the circuit breaker.

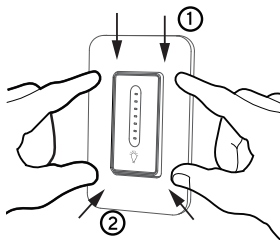


- Press the ON/OFF button on the smart switch to confirm whether the switch is powered on/off normally.

STEP 10

Snap on Cover Panel

Push cover panel onto the fixing plate and snap it into place.

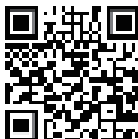
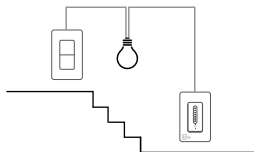


⚠ NOTICE: Please turn on the smart switch first, adjust the light to the maximum brightness, press and hold ON/OFF for 5s to initiate configuration mode.



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B. Installation for Three Way

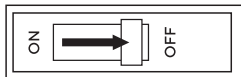


Please scan this QR code to watch the step by step installation video before attempting to install U-tec Smart Switch, or you can access our website here.

www.u-tec.com/power/dimmer_switch/guide

Before Installation: Turn Off Power

Turn off the power at the circuit breaker or fuse, and test that the power is off before installation.



⚠ CAUTION: Compatible bulb type/max Load:
Incandescent/430W, LED&CFL/250W.
Please check your bulb/load before installation.

STEP 1

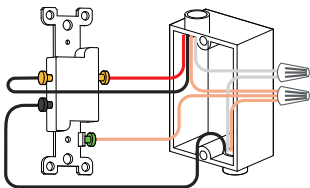
Pull Out Old Switch

⚠ WARNING: Before pulling out, turn off power at circuit breaker or fuse, and use a voltage tester to confirm whether power is off before wiring.

Unscrew the switch plate, old switch, and pull it out of the wall. **Do not remove any wires.**

STEP 2

Get to Know The Wires.



⚠ WARNING: Neutral wire is required to install the smart switch. If you can't find the neutral wire, please call an electrician for help.

Line: Usually black.

Load: Usually black.

Tra: Usually red.

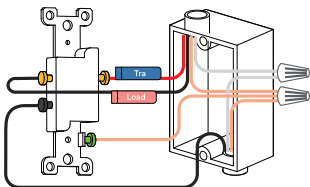
Neutral: Usually white.

Ground: Usually green or copper.

STEP 3

Label “Load/Tra” Wires

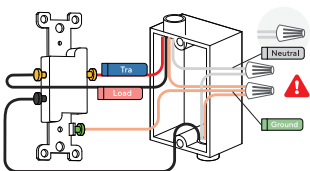
Do not cross Load/Tra wires between the two outlet boxes. For example, label the red wire as Tra for both outlet boxes.



STEP 4

Label “Neutral” and “Ground” wire

A neutral wire is required to install the smart switch. Make sure there are NEUTRAL wires (most likely a bundle of one or more white wires) in the wall. Unless you are replacing an existing smart switch, it's probably not connected to your old switch.



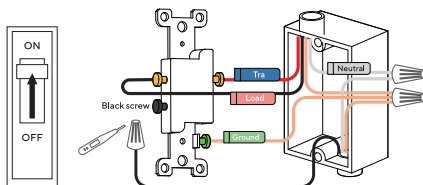
⚠ WARNING: If there is no neutral wire, please try another location or call an electrician for help.

STEP 5

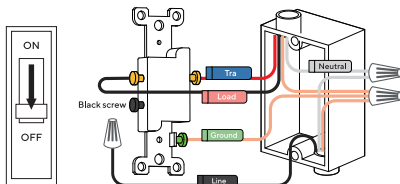
Identify and Label “Line” Wire

⚠ WARNING: Before removing, turn off power at circuit breaker or fuse, and use a voltage tester to confirm the power is off.

1. Disconnect the remaining wire (usually BLACK, attached with a black screw)
2. Turn on the circuit breaker and use a voltage detector to identify the Line wire.



3. Turn off the circuit breaker and label the Line wire.



STEP 6

Take Pictures of The Wires

Take one or two pictures of the old switch and where each wire is connected to it, in case you need guidance to reverse the installation.

⚠ NOTE: Make sure all of the text on the labels in the pictures are clearly displayed.

STEP 7

Remove Existing Dumb Switch

⚠ WARNING: Make sure the power is **turned OFF** before you proceed. Your existing wires may have different colors than those shown.

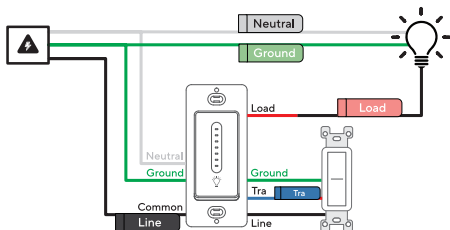
Disconnect all wires from the dumb switch, then connect them to the new switch.

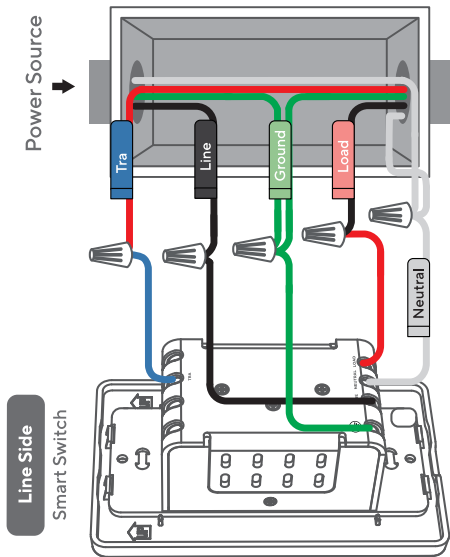
STEP 8

Connect the Smart Switch

3-Way Connection - Line Side

(1 Smart Switch and 1 Dumb Switch)





- **Connect Neutral and Ground Wires**

Use wire nuts to connect Neutral/Ground from the outlet box to the respective NEUTRAL /Ground from the smart switch, as show in the picture.

- Connect Line Wire

Use a wire nut to connect the labeled Line wire from the outlet box to the wire coming from Common port on the smart switch.

- Connect Load/Tra wires

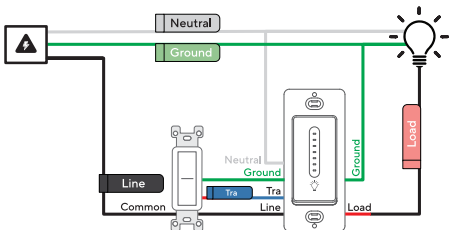
Use wire nuts to connect the labeled Load/ Tra from the outlet box to the Load/Tra coming from the smart switch, as show the picture in page 20.

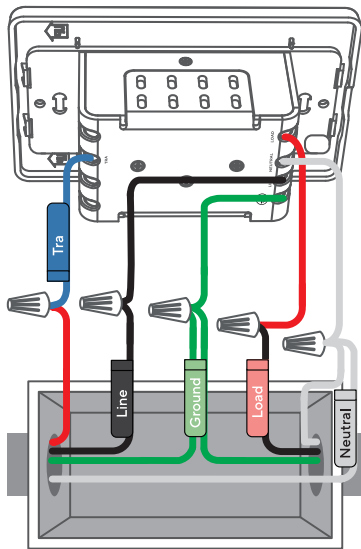
⚠ WARNING: All wires from the Smart Switch must be capped with wire nuts.

⚠ WARNING: Death or serious injury may occur if instructions are not properly followed.

3-Way Connection - Load Side

(1 Smart Switch and 1 Dumb Switch)





↑
To Light Bulbs

Smart Switch

Load Side

- **Connect Neutral and Ground Wires**

Use wire nuts to connect Neutral/Ground from the outlet box to the respective NEUTRAL /Ground from the smart switch, as show in the picture.

- **Connect Line Wire**

Use a wire nut to connect the labeled line wire from the outlet box to the wire coming from common port on the smart switch.

- **Connect Load/Tra Wires**

Use wire nuts to connect the labeled Load/ Tra from the outlet box to the Load/Tra coming from the smart switch, as show the picture in page 20.

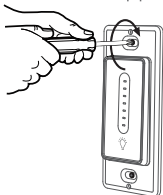
⚠ WARNING: All wires from the Smart Switch must be capped with wire nuts.

⚠ WARNING: Death or serious injury may occur if instructions are not properly followed.

STEP 9

Mount the Switch

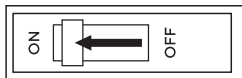
Form all wires carefully into outlet box, and mount switch with screws supplied.



STEP 10

Turn on Power

Turn power on at the circuit breaker.

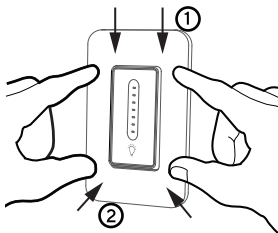


- Press the ON/OFF button on the smart switch to confirm whether the switch is powered on/off normally.

STEP 11

Snap on Cover Panel

Push cover panel onto the fixing plate and snap it into place.



⚠ NOTICE: Please turn on the smart switch first, adjust the light to the maximum brightness, press and hold ON/OFF for 5s to initiate configuration mode.

Easy Setup



Scan QR code to download the
U home app

1. Get U home App Ready

1.1 Scan QR Code

Scan above QR code to download the app, or search “U home by U-tec” in App Store (iOS) or “U home” in Play Store (Android).

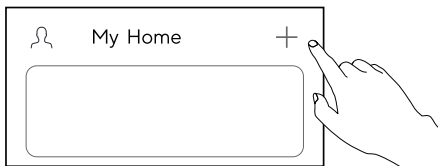
1.2 Download App



1.3 Create Account and Login

2. Add New Device

Tap the "+" button on the app's homepage to add new device, then follow the app instructions to finish the setup.



Integrations

Smart Dimmer Switch also works with Amazon Alexa, Google Assistant, SmartThings, and IFTTT when it is set up in the U home app.

ISED 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.

The digital apparatus complies with Canadian CAN ICES - 3 (B)/NMB - 3(B).

Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.

L'exploitation est soumise aux deux conditions suivantes :

- (1) Cet appareil ne doit pas provoquer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

L'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This 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. cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

FCC Warning

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement. This equipment complies with FCC 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.

IC: 29605-US01

FCC ID: 2AJZ2-US01

