

3-Way Wi-Fi Toggle Dimmer Switch

• WF31TS •

Meet your new smart switch!



Power: 120V AC, 60Hz
Wireless Frequency: 2.4GHz
Wireless Standard: IEEE802.11b/g/n
Maximum Load: 150W LED, 500 W incandescent
Minimum Load: 5W for LED bulbs
Temperature Range: 32° F-104° F
Range: Up to 100 feet line of sight
For indoor use.

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Part 4. APP Connection	• Add a device in your app • Work with Amazon Echo & Google Home • If you cannot configure it by the default mode successfully, try to connect by AP mode.		For more details, please refer to the manual parts. If you have any questions during installation, Please contact us ask@nie-tech.com

Part 1. Installation

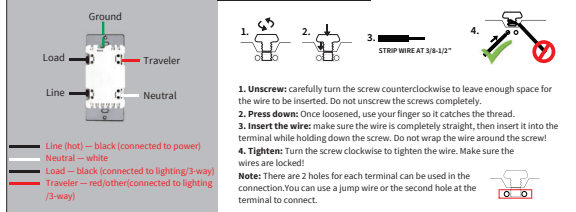
A Few Quick Reminders

A quick note before we give out the wiring schematics. Please do not try installing this device if you are unsure of how electrical circuits operate within your home. As acting as it is to have a smart switch installed, it can be dangerous and even life-threatening if you do not install this correctly. Please consult a qualified electrician if necessary. With that said, here are a few other warnings we'd like to point out to your safety:



Air-Gap Switch:
Stay at right for normal use
Shift to left for Bulb replacement

HOW TO INSTALL THE WIRES



Note before installation

- The Wi-Fi In-wall Smart Switch must not exceed 150W LED, 500W incandescent.
- Work with **regular 3-way on/off** for 2 locations control. It can only be connected with regular 3-way on/off switch, **don't use a smart switch or a dimmer switch! Couldn't work with an add-on switch!**
- The colors of your wires may not match the ones in our diagrams so please make sure you've **identified all wires correctly** based on their source, not color only.
- Please check your original 3-way wiring circuit in your home before installation, and then follow the wiring diagram option 1 or 2 in the manual.
- Install the smart switch in the switch box which directly connects to the power **Line and Neutral**.
- This switch **requires a Neutral for installation**, or the installation will not succeed.
- Not recommended for fan.

If you have any questions, please contact us at ask@nie-tech.com

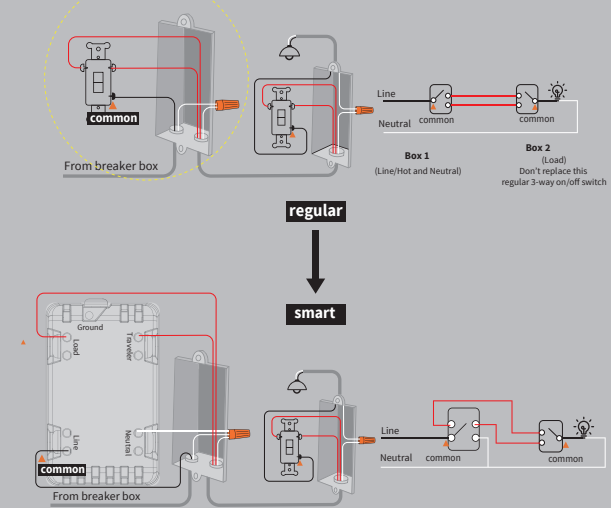
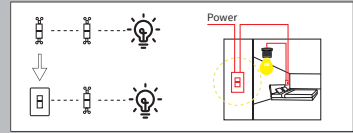
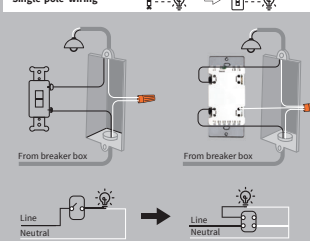
1. Tool: Please prepare a flat head screwdriver.
2. Turn power OFF at circuit breaker or fuse box.

3. Remove the wallplate.
4. Remove the switch mounting screws.
5. Disconnect the wires and label them after remove the old switch. (Please use our sticker)
6. Carefully remove the switch from the switch box. (DO NOT disconnect the wires.)
7. There are up to five screw terminals on the smart switch, these are marked (Please check <HOW TO INSTALL THE WIRES>)
8. Fix the wallplate with screws after wiring succeed. (Please use our screws)
9. The Ground was excluded from the diagram to simplify the illustration. Please Make sure the ground wires connected to the switches respectively.

NOTE:

- 1) **Neutral required.** If the switch box do not have a Neutral, please stop! Connect the **white wire to neutral terminal** (use a white jump wire form the package or the second hole at the terminal to connect.)
- 2) Before the old switch detached, please identify the **common terminal**.
- 3) If the Line wire connected to the Common terminal, please refer to the wiring diagram **Option 2**.
- 4) If the Load wire connected to the Common terminal, please refer to the wiring diagram **Option 1**.
- 5) Only work with **regular 3-way on/off** for 2 locations control. It can only be connected with regular 3-way on/off switch, **don't use a smart switch or a dimmer switch! Couldn't work with an add-on switch!**

Single-pole wiring



regular

smart

FCC This device complies with part 15 of the FCC and Industry Canada license-exempt RSS standards. 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.

FCC NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

— 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 - PLEASE READ! This device is intended for installation in accordance with the National Electrical Code and local regulations in the United States, or the Canadian Electrical Code and local regulations in Canada. If you are unsure or uncomfortable about performing this installation consult a qualified electrician.

WARNING - SHOCK HAZARD
TURN OFF THE POWER to the circuit for the switch and lighting fixture at the service panel (circuit breaker) prior to installation.
ALL WIRING CONNECTIONS MUST BE MADE WITH THE POWER OFF to avoid personal injury and/or damage to the switch.

OTHER WARNINGS
Risk of Fire
Risk of Electrical Shock
Risk of Burns
V1.0

If you have any questions, Please contact us at ask@nie-tech.com
www.nie-tech.com

Part 3. Manual Control



LED Indicator:
Red: Network failure
Blue: Network configuration mode
Orange: Light status indicator
Purple: AP Network configuration mode

- 1) Tap 1 (Up toggle): turn on the light (the last brightness level). Press and hold (Up button): add brightness
- 2) Tap 2 (Down toggle): turn off the light. Press and hold ("down") toggle: reduce brightness.
- 3) Adding your device to Wi-Fi network: Please make sure the switch is on the "OFF" position. Hold the "down" toggle more than 10s until the bulb flashes and the "blue" LED blinks rapidly to initiate AP-configured Mode.
- 4) If you need to reset the device (Factory setting) Network reset
1. Turn off the light when the light is on
2. Hold the "down" toggle until the light bulb flashes (the blue LED blinks rapidly)

Part 4. APP Connection

1. Please scan the QR code to download the application "Smart Life".
2. If you cannot download Smart Life app, please search "Smart Life" on Google Play (for Android phone) or Apple Store (for iOS phone) to download.

After you download the Smart Life App and register a new account, please follow the instructions below to set up your smart switch.

3. The smart switch can be also used with Amazon Echo and Google Home. Please scan the QR code below and follow the instructions if you have any trouble pairing with them.

QR code Smart Life Amazon-Echo Google-Home

- Note:**
- 1) Our products only support 2.4GHz Wi-Fi network.
 - 2) 3 connection network modes: Bluetooth quick-fit Mode, Easy Mode, AP Mode. Choose the most suitable mode to configure the network.
 - 3) Please operate quickly when the blue LED indicator blinks rapidly.
 - 4) When indicator flash enters the network, complete standard operation within 30s.
 - 5) Purple LED Flashing slowly enters AP Mode (select "AP Mode" follow the below instructions).
 - 6) Make sure the switch works properly by manual control before network configuration.
 - 7) Device Reset / Network reset
step 1: turn off the light when the light is on
step 2: hold the "Down" toggle until the light bulb flashes (the blue LED blinks rapidly)

Bluetooth Quick-Fit Mode

1. Turn on your Phone bluetooth.
2. The auto-connection comes with the blue LED indicator blinks for 3 minutes to wait for configuration. If it stopped, please hold the "down" toggle more than 10s until the bulb flashes and the blue LED blinks again.
3. Tap "+" to add this switch in the "Smart Life" APP.
4. You'll see "Devices to be added" -- "Go to add".
5. Click to "Add".
6. Enter the Wi-Fi Password (Your phone should have connected to the same Wi-Fi first).
7. Wait for it's 100% (LED stays in green 3 seconds.)
8. Edit the name of your new smart switch!

Note:
When the Bluetooth is off, APP will remind: "You are advised to enable Bluetooth".

Easy Mode

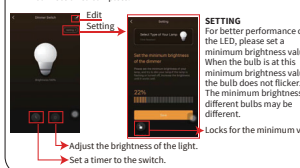
1. Tap "+" to add a device in your app
2. Select "Lighting" - "Lighting (Wi-Fi)"
3. Enter the Wi-Fi Password
4. Hold the "down" toggle more than 10s until the bulb flashes and "blue" LED blinks rapidly. Please make sure the switch is on the "OFF" position.
5. Click to "Continue"
6. Select "Is fast blinking (30s)?"
7. Wait for it's 100% (LED stays in green 3 seconds.)
8. Click and edit the name of switch!

Part 4. APP Connection



If you cannot successfully configure the default mode, try connecting to AP mode.

- 1) Click on "AP Mode" in the upper right corner.
- 2) When the blue LED indicator flashes quickly, press and hold the off button (default is the down button) for more than 10s until the bulb flashes twice to enter the AP mode, and the purple LED indicator flashes quickly.
- 3) Click "Confirm light flashes."
- 4) Enter Wi-Fi network password.
- 5) Open wireless WLAN settings with "SmartLife-xxxx".
- 6) Back in the application, continue adding devices and wait for the connection to complete.



SETTING
For better performance of the LED, please set a minimum brightness value. When the bulb is at this minimum brightness value, the bulb does not flicker. The minimum brightness of different bulbs may be different.

Part 5. Network Configuration

- Hold the "down" toggle until the light bulb flashes (the blue LED blinks rapidly). Please make sure the switch is on the "OFF" position.
- Guidelines for switching between AP Network configuration mode and Normal Network configuration mode:**
- Normal Network configuration mode to AP Network configuration mode: When the blue LED indicator flashes quickly, press and hold the "down" toggle for more than 10s until the bulb flashes twice to enter the AP Network configuration mode, and the purple LED indicator flashes quickly.
 - AP Network configuration mode to Normal Network configuration mode: When the purple LED indicator flashes quickly, press and hold the "down" toggle for more than 5s until the bulb flashes 1 time to enter normal mode, and the blue LED indicator flashes quickly.

Part 6. Parameter Settings

- The Orange LED indicator flashes 3 times after each parameter setting successfully.
- LED indicator Status Setting** This parameter can access you to choose the LED indicator to be on when the switch (light) is on/off, or LED indicator remains on (off) all times.
- Value=0 (default) LED is On when the switch (light) Off and LED is Off when the switch (light) On.
Value=1 LED is On when switch (light) On and LED is Off when the switch (light) Off.
Value=2 LED is always On.
Value=3 LED is always Off.
- Operation:** Quickly press "down" toggle 5 times.
Please note: the switching of each value is in order, a quick press "down" toggle 5 times will switch once, eg: Switching from value 0 to value 3 needs 3 switchings.
- Restore State after Power Failure** This parameter can access you to set the switch to be on/off after power failure.
- Value=0 The switch is off regardless of the state prior to power failure.
Value=1 The switch is on regardless of the state prior to power failure.
Value=2 (default) Memory state before power failure This switch will be returned to state prior to the power failure after power is restored.
- Operation:** Quickly press "up" toggle 5 times.
Please note: the switching of each value is in order, a quick press "up" toggle 5 times will switch once, eg: Switching from value 0 to value 2 needs 2 switchings.
- Light Off State Setting** This parameter can access you to set the light fade out or off immediately.
- Value=1 (default) Fade out
Value=2 Instantaneous off
- Operation:** Quickly press "up" toggle 8 times
Please note: the switching of each value is in order, a quick press "up" toggle 8 times will switch once, eg: Switching from value 1 to value 2 needs 1 switching.
- Button Function Setting** This parameter can access you to set the "up" button to turn the light on (off).
- Value=1 (default) The "up" toggle turn the light on and "down" toggle turn light off.
Value=2 The "up" toggle turn the light off and "down" toggle turn light on.
- Operation:** Quickly press "down" toggle 8 times
Please note: the switching of each value is in order, a quick press "down" toggle 8 times will switch once, eg: Switching from value 1 to value 2 needs 1 switching.