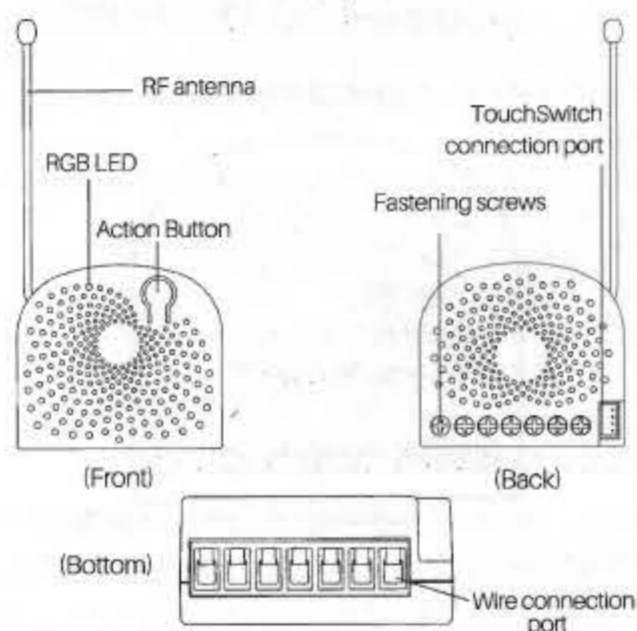


In-Wall Switch (Dual)

In-Wall Switch (Dual) allows on/off control of any wall switch, including lights or power outlets. It can connect to two external switches to control both loads independently.

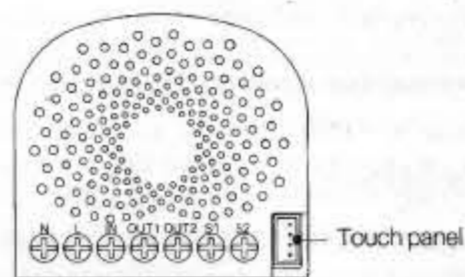


Notes for the wire connection ports:

N - Neutral
L - Live
IN - Load power supply
OUT1 - Output for load 1
OUT2 - Output for load 2
S1 - External switch control for load 1
S2 - External switch control for load 2

Install the In-Wall Switch (Dual)

Important: A licensed electrician with knowledge and understanding of electrical systems and electrical safety should complete the electrical installation.



1. Shut off the main circuit breaker of your home for safety during the installation and ensure the wires are not short circuited during the installation which will cause damage to the In-Wall Switch (Dual).



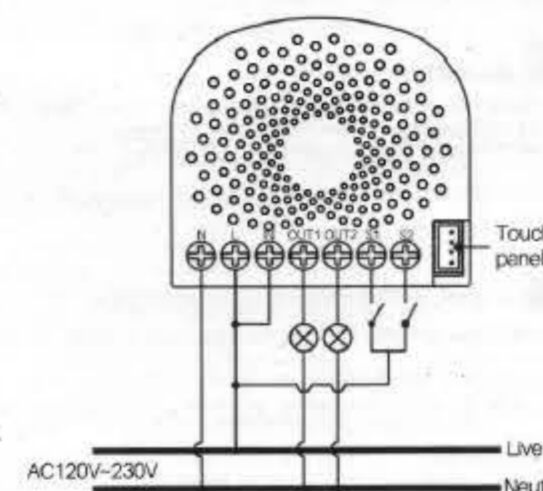
Note: Your home's main circuit breaker must support the overload protection for safety.

2. Preparing connection wires
14 AWG power wires for Input/ Output.
18 AWG copper wires for external manual switch.
Use the wire stripper cut the metallic part of the connection wire and make sure the length of the metallic part is about 5mm.



Note: All connection wires need to be flexible cables.

Wiring diagram of AC120V/230V power input



In some cases, you may have some loads that can only be used with DC24V. Please refer to the following diagram for this:

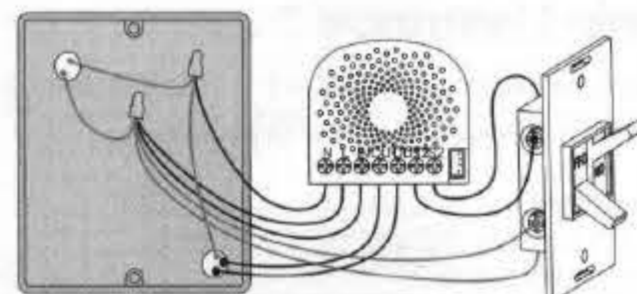
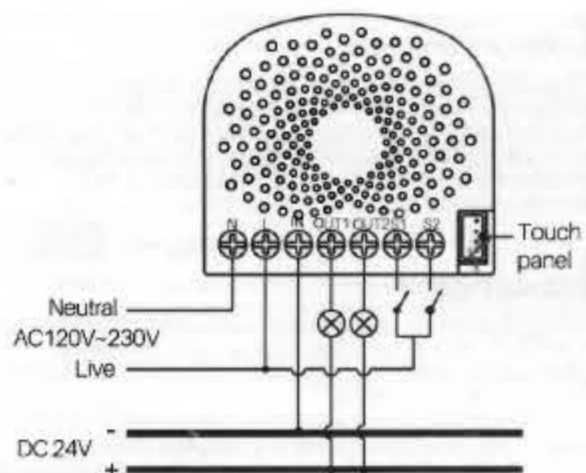
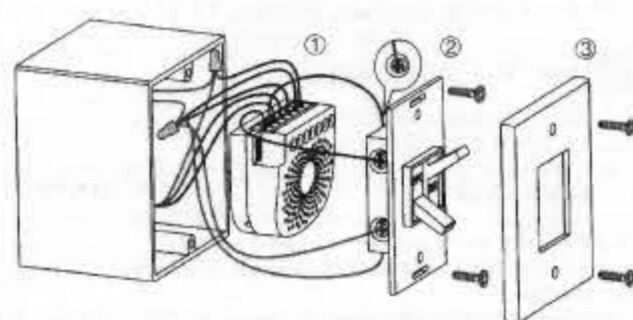


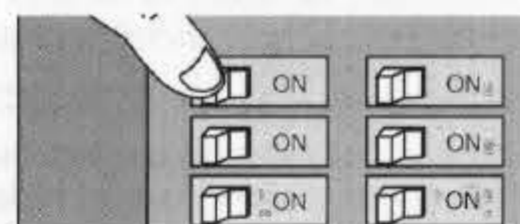
Diagram of AC120V/230V power input

Note: Position the antenna towards the back of the box, away from all other wiring.



5. Restore Power

Restore power to the circuit breaker or fuse box.



Quick start

Adding your In-Wall Switch (Dual) to a Z-Wave network

- Put your Z-Wave gateway into pairing mode.
- Press the Action Button on the In-Wall Switch (Dual) or toggle the external manual switch once, a green LED will flash to indicate that the In-Wall Switch (Dual) is in pairing mode.
- If the In-Wall Switch (Dual) has been successfully added to your Z-Wave network, its RGB LED will be solid. If the pairing was unsuccessful, the red LED will be on for 2 seconds followed by a colorful gradient. Please repeat steps 1 and 2 if unsuccessful.

Removing In-Wall Switch (Dual) from a Z-Wave network

- Set your Z-Wave gateway into removal mode.
- Press the Action Button on the In-Wall Switch (Dual) or toggle the external manual switch 3 times in fast succession.
- If the In-Wall Switch (Dual) has been successfully removed from your Z-Wave network, its RGB LED will remain a colorful gradient. If the removal was unsuccessful, the RGB LED will still be solid. Please repeat steps 1 and 2 if unsuccessful.

Advanced functions

Changing mode on the External Switch/Button Control

The In-Wall Switch (Dual) can be controlled via 2-state (flip/flop) external/manual switch, momentary push button or the 3-way switch. To automatically detect and set the mode to the appropriate type of manual switch wired into In-Wall Switch (Dual), toggle the button on the manual switch once and wait 2 seconds for the In-Wall Switch (Dual) to detect the type of manual switch.

Note: You can also use the Action Button of In-Wall Switch (Dual) to activate the automatic identification mode, as below.

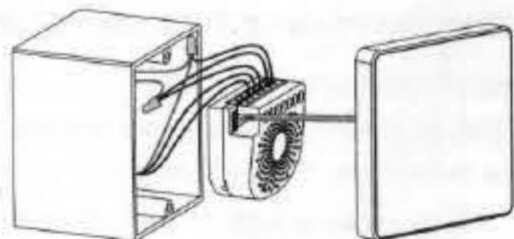
3. Install In-Wall Switch (Dual) to the gang box.

- Live wire: Connect the Live wire to the "L" terminal.
- Neutral wire: Connect the Neutral wire to the "N" terminal.
- Load wire: Connect the 2 Load wires to "OUT1" and "OUT2".
- External/manual switch connection: Connect two 18AWG wires to "S1" and "S2".
- External/manual switch: Connect two 18AWG wires from the two terminals on the External/manual Switch to the Live wire.

- Press the Action Button 4 times in quick succession, this will activate the automatic identification mode for the external switch (S1), the blue LED will flash rapidly.
 - Press the Action Button 6 times in quick succession, this will activate the automatic identification mode for external switch (S2), the green LED will flash rapidly.
- When the In-Wall Switch (Dual) enters automatic identification mode, it has 20 seconds to detect a manual switch before it will automatically timeout.

Touch panel control

The In-Wall Switch (Dual)'s surface has a pin port, this port is used to connect the touch panel.



Security and non-security features

Including In-Wall Switch (Dual) as a non-secure device:

- Press the Action Button once on In-Wall Switch (Dual)

- When disconnecting the power cords, pull on the plug—do not pull on the cord.
 - If a power cord or power supply becomes damaged in any way, stop using it immediately.
 - Unplug your device during lightning storms or when unused for long periods of time.
 - For devices with an AC power cord that connects to the power supply, always connect the power cord according to the following instructions:
- Step 1: Plug the AC power cord into the power supply until it seats fully.
Step 2: Plug the other end of the AC power cord into the wall outlet.

WARNING MAGNETS

Parts of some of the devices are magnetic. They may attract metallic materials. To reduce the potential risk of sparks, verify the electrical connection area is free of metallic objects before interconnecting devices. In order to reduce the likelihood of magnetic fields interfering with compass readings, disrupting the proper operation of pacemakers, or corrupting magnetically stored data, do not place credit cards or other magnetic storage media or magnetically sensitive devices near this device.

NOTICE IN-WALL SERIES DIMMERS AND SWITCHES

Install only in a UL Listed junction box sized 3x2x2.75 inch or larger, minimum volume 14 in³ (230 cm³). Use copper conductors only.

Regulatory Warnings

FCC warnings
FCC Part 15.19 Warning 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 UNDESIRABLE OPERATION.
FCC Part 15.21 Warning Statement
NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.
FCC Part 15.105 Warning Statement
Note: 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

- when you pair it to your gateway.
- If pairing is successful, the green LED will be on for 2 seconds. If inclusion is unsuccessful, the red LED will turn on for 2 seconds and then return to a colorful gradient. Repeat step 1.

Including In-Wall Switch (Dual) as a secure device:

- Put your Z-Wave Plus gateway into pairing mode.
- Press the Action Button 2 times in quick succession. The blue LED will flash to indicate that the In-Wall Switch (Dual) has entered secure pairing mode.
- If the In-Wall Switch (Dual) has been successfully added to your Z-Wave network, its RGB LED will be solid. If the pairing was unsuccessful, the red LED will be on for 2 seconds and then remain a colorful gradient, repeat steps 1 and 2.

Reset your In-Wall Switch (Dual)

- Press and hold the Action Button for 20 seconds and then release it. In-Wall Switch (Dual) will now be reset to its factory defaults. The green LED will be solid for 2 seconds and then remain a colorful gradient status as a confirmation.

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.
- RF warning statement:**
The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.
le dispositif de a été évalué à répondre général d'exposition exigence. pour maintenir la conformité avec les directives d'exposition du RSS-102 - Radio Fréquence (RF), ce matériel doit être installé et exploité à une distance minimale de 20 cm entre le radiateur et votre corps.

IC Warnings

This Class B digital apparatus complies with Canadian ICES-003.
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
RF warning statement:
The device has been evaluated to meet general RF exposure requirement. To maintain compliance with RSS-102 - Radio Frequency (RF) Exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.
le dispositif de a été évalué à répondre général d'exposition exigence. pour maintenir la conformité avec les directives d'exposition du RSS-102 - Radio Fréquence (RF), ce matériel doit être installé et exploité à une distance minimale de 20 cm entre le radiateur et votre corps.

Disposal of waste batteries and electronic equipment

This symbol on the product or its batteries or its packaging means that this product and any batteries it contains must not be disposed of with your household waste. Instead, it is your responsibility to hand this over to an applicable collection point for the recycling of batteries and electrical and electronic equipment. This separate collection and recycling will help to conserve natural resources and prevent potential negative consequences for human health and the

Get help & learn more

Should you encounter any problem with In-Wall Switch (Dual), please contact support at sales@fanitem.com.

Usage and Care

Read this guide for important safety and health information for the device that you have purchased. Keep all printed guides for future reference. Make sure that the product is installed and used correctly according to the instructions. Failure to follow instructions and properly set up, use, and care for this product can increase the risk of serious injury or death, or damage to the device or devices. In the cleaning process, please use dry wipes to wipe, do not use any detergent or chemical solvents.

Safety and regulatory information

WARNING CHOKING HAZARD

This device may contain small parts which may be a choking hazard to children under 3. Keep small parts away from children.

WARNING RISK OF ELECTRIC SHOCK

- More than one disconnect switch may be required to de-energize the equipment before servicing (Applicable to all switches without plugs and Dimmer products).
- DO NOT use this device near water and do not expose it to rain or moisture. DO NOT attempt to dry device with a hair dryer or a microwave oven.
- DO NOT attempt to take apart, open, service, or modify the product, accessories, or power supply. Doing so could present the risk of electric shock or other hazard. Any evidence of any attempt to open and/or modify this device, including any peeling, puncturing, or removal of any of the labels, will void the Limited Warranty.
- DO NOT use any device in combination with a wall switch controlling a receptacle (Applicable to all switches without plugs and Dimmer products).
- Turn off main power at circuit breaker before installing or repairing before installing or servicing any

environment due to the possible presence of hazardous substances in batteries and electrical and electronic equipment, which could be caused by inappropriate disposal. For more information about where to drop off your batteries and electrical and electronic waste, please contact your local city/municipality office, your household waste disposal service, or the shop where you purchased this product.

Specifications:

- Power Input: 120VAC to 240VAC, 50Hz to 60Hz
- Maximum current: 5A per channel for resistive load, Total current: Max 10A
- Standby: <0.8W
- Operating temperature: 0 °C - 40 °C
- Operating humidity: 20% - 80% RH
- Z-Wave range: 30m indoors
- Countries: US / AU / EU (908.42MHz / 921.42MHz / 868.42MHz)
- Size: 42 x 40 x 20mm
- Certification type:



WARNING RISK OF EXPLOSION

For devices that contain a built-in battery, improper use may result in explosion. Do not heat, open, puncture, mutilate, or dispose of the product in fire. Do not leave the device in direct sunlight for an extended period of time, which could cause melting or battery damage. The battery in these devices is not user replaceable and should only be replaced by Fanitem or a Fanitem Authorized Service Provider. RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

WARNING AC ADAPTER SAFETY

Failure to take the following precautions can result in serious injury or death from electric shock or fire or in damage to the device. To select an appropriate power source for your device:
- Use only the power supply unit, plug adapters, and AC power cord that came with your device or that you received from an authorized Fanitem retailer.
- Do not use non-standard power sources, such as generators or inverters, even if the voltage and frequency appear acceptable. Only use AC power provided by a standard wall outlet.
- Do not overload your wall outlet, extension cord, power strip, or other electrical receptacle. Confirm that they are rated to handle the total current (in amps [A]) drawn by the device (indicated on the power supply unit) and any other devices that are on the same circuit.
- On devices where the AC prongs may be folded for storage, before plugging the AC adapter into a power outlet, make sure its prongs are fully extended.
- On devices where the AC prongs are removable and where the power supply uses a universal adapter, before plugging the AC adapter into a power outlet, make sure the prong assembly is of the proper configuration for the power outlet and fully seated into the adapter.

WARNING CABLE AND CORD SAFETY

Arrange all cables and cords so that people and pets are not likely to trip over or accidentally pull on them as they move around or walk through the area. Do not allow children to play with cables and cords. To avoid damaging the power cords and power supply:
- Protect the power cords from being walked on.
- Protect cords from being pinched or sharply bent, particularly where they connect to the power outlet, the power supply unit, and the device.
- Do not jerk, knot, sharply bend, or otherwise abuse the power cords.
- Do not expose the power cords to sources of heat.

In-Wall Switch (Dual)

