



Z-Wave Smart Dimmer Switch
Interrupteur Variateur Intelligent Z-Wave
Interruptor Regulador Inteligente Z-Wave

[Instruction Manual]



Please pay attention to the warning signs
Read the instructions with caution before operating
and keep it properly

HWWD02A- V60524

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR PERSONAL INJURY, PLEASE STRICTLY FOLLOW THE INSTRUCTIONS.

1. Indoor use only. Avoid high humidity, high temperature, and areas with a high magnetic field.
2. Always be sure to cut off the power before installing the receiver.
3. Don't connect any device that may exceed the performance limits of the receiver.
4. Don't install or repair the product Only authorized service personnel should undertake such installation and repairs.
5. To prevent a choking hazard, keep packing materials away from children.

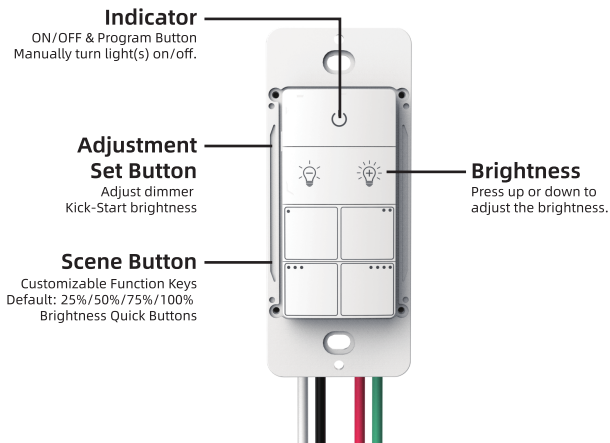
FEATURES

- Manual or Z-Wave on/off and brightness control.
- 800 series Z-Wave chip for better range and faster control.
- Scene control: trigger actions with multi-tap (select hubs only)
- Z-Wave Long Range for ultra reliable no-mesh communication
- Built-in Z-Wave signal repeater
- Works with LED and incandescent bulbs (don't use with tubes)

SPECIFICATIONS

- Z-Wave Signal Frequency: 908.4 MHz
- Input Voltage: 120VAC , 60Hz
- Maximum Load: 150W LED bulbs, 400W Incandescent; Do NOT connect to tube lights, fans, or switched receptacles
- Range: up to 500 feet line of sight
- Operating Temperature: 32-104° F (0-40° C)
- Installation and Use: Indoor only

GETTING TO KNOW YOUR SWITCH



A. ON/OFF Button: Tap 1x to turn ON or turn OFF your light.

B. Adjustment Set Button: Press and hold to adjust; Tap 1x to confirm.

C. Brightness Button: Tap 1x to Adjust brightness level (stepwise); Press and hold to Adjust brightness continuously (stepless); Tap 2x to the set maximum or minimum brightness.

D. Scene Button: Used to configure certain parameters of the switch. In addition, it can be used to activate scene control (Single-tap, multi-taps and holds) where up to 4 scenes can be added.

INSTALLATION INSTRUCTIONS

1. What you need to complete the installation



- Slotted/Phillips screwdriver



- Voltage tester



- Wire strippers



- Wire connectors



- Electrical tape



- Wallplate

2. Dimmer Switch Installation

Before you begin:

- The smart dimmer switch can replace existing single-pole light switches , NOT 3-way.
- Make sure your home has a neutral wire in the wall where you want to install the smart dimmer switch.
- If your house was built or remodeled before mid-80's, you may not have a neutral, please try another location or call an electrician for help.
- The supported maximum wattage rating is: Tungsten 400W, LED 150W (for dimmable).

Step 1: Identify your wires.

1. Turn off power.
2. Separate wires.
3. Restore power and test all wires with the voltage tester to find the Line (hot) wire.

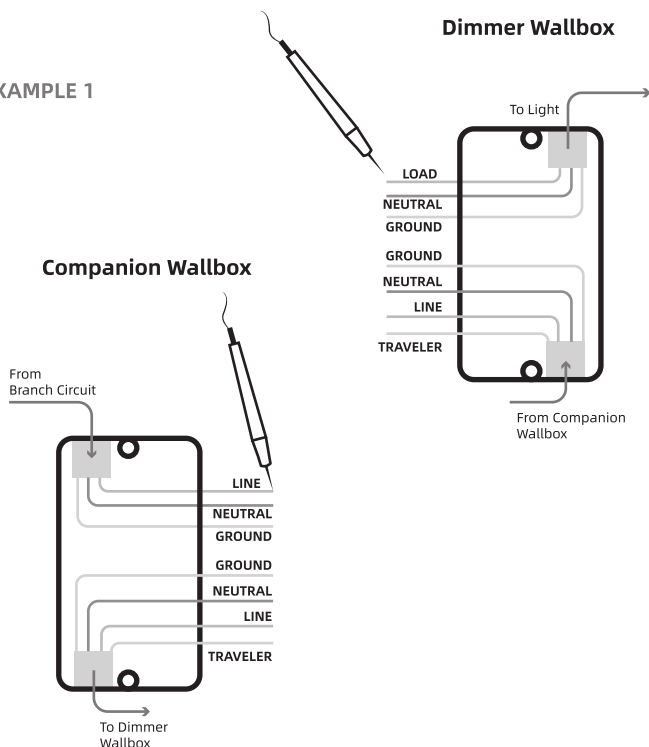
NOTE: The traveler bundle (white, red, black) jumps between both boxes and should not be energized when the power is restored.

Important: This product requires a **Neutral wire**. See Step 2 for how to identify Neutral wires.

4. Turn off the power and mark the Line (hot) wire.

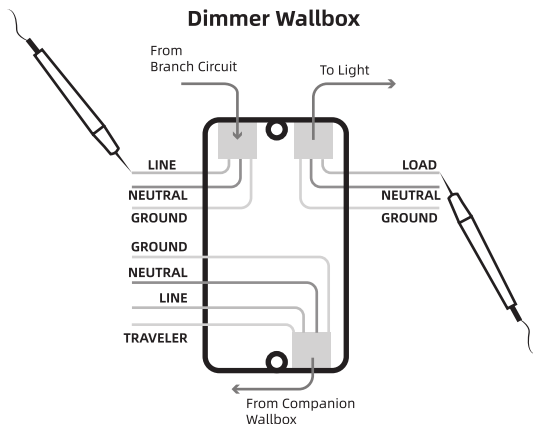
NOTE: The primary dimmer is installed in the box with the Load connection. The companion(s) can be installed in all other box locations.

EXAMPLE 1

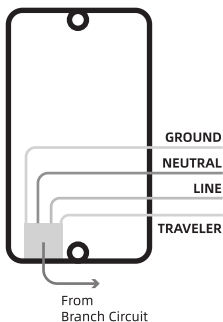


Most installations will match Example 1 or Example 2. If your wiring does not match either example, please contact Dewenwils Technical Support or consult an electrician.

EXAMPLE 2



Companion Wallbox



Most installations will match Example 1 or Example 2. If your wiring does not match either example, please contact Dewenwils Technical Support or consult an electrician.

Step 2: Identify Neutral wires.

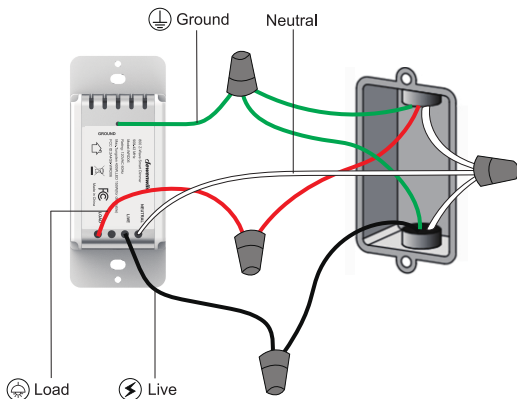
This product requires a Neutral wire.

What is the purpose of a Neutral wire?

A Neutral wire is often required for smart lighting controls to provide continuous power for communication and connectivity.

How can I tell if I have a Neutral wire?

Neutral wires are typically two or more white wires bundled in an electrical box. When replacing a traditional manual switch, the white wires will be tied together and capped with a wire connector.



Quick tip: Check each individual location as some may have a Neutral wire and others may not. It is most common that a Neutral wire is missing in a wallbox where there is no bundle.

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

Step 3: Install the dimmer switch into the wall.

Almost done! Tug on each wire nut to make sure they are secure on the wires.

Insert the Dimmer into the box. It could get crowded in there. Screw the Dimmer into the wall and snap on the wall plate. Be careful not to over-tighten the screws.

NOTE: A wall plate is not provided with the dimmer. Please prepare it yourself.

Step 4: Test the Switch.

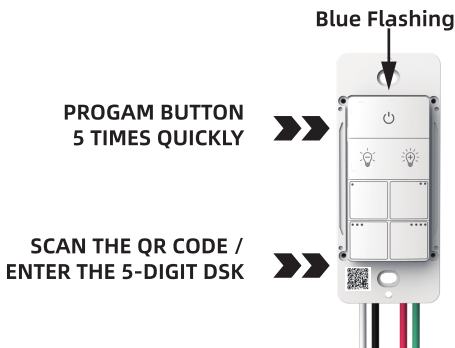
The LED indicator should light up as soon as you turn the power back on if the switch (light) is OFF. Tap the the ON/OFF Button to turn on or off.

If the test fails, please check that:

- power is fully restored to the circuit
- wiring matches the instructions exactly
- the load isn't too large and overheating the switch causing it to shut off

OPERATING INSTRUCTIONS

Z-Wave control



1. **ADD DEVICE** to your Hub (Z-Wave Network)

Initiate inclusion (pairing) in the app (or web interface) .

2. Finalize inclusion at the switch.

• **PROGRAM BUTTON 5 TIMES QUICKLY** , if using traditional Z-Wave inclusion.

• **SCAN THE QR CODE / ENTER THE 5-DIGIT DSK** , if using the new SmartStart method.

3. The LED indicator will blink blue rapidly to signal communication and solid blue for 2 seconds if inclusion is successful or turn red for 3 seconds if the pairing attempt fails.

NOTE: By default, when the device is powered on for the first time, it will automatically enter the network configuration mode.

TROUBLESHOOTING

The switch won't add to your system? Try this:

1. Tap the program button 5 times quickly when adding it.

2. Bring the gateway controller (hub) closer to the switch, it may be out of range.

The switch won't control the lights manually anymore? Try this:

1. Turn the power off at the breaker and check if a wire didn't get loose.

2. Exclude the switch from the hub or reset it in case manual control was accidentally disabled.

3. The load may be incompatible so try it with a single incandescent bulb.

FACTORY RESET

If your main controller malfunctions or fails to operate correctly, you may need to restore the device to its factory settings.

To perform a device reset, press and hold the program button for 10 seconds until the LED indicator begins to flash blue rapidly. Release the PROGRAM BUTTON, then press it briefly five consecutive times to complete the reset. The LED indicator will flash red three times, then remain steadily lit in blue for three seconds to confirm that the reset was successful.

NOTE: All previously recorded operations and custom settings will be cleared from the device's memory.

HOW TO MANUALLY ADJUST DIMMER KICK-START BRIGHTNESS

If the LED bulb connected keeps flashing, adjust the dimming range to resolve this problem.

1. Press and hold the Adjustment Set Button until the red indicator blinks, then set the target minimum brightness level.
2. Again, Press the Adjustment Set Button the red indicator stops flashing, the adjust dimmer kick-start brightness will successfully setting.

CUSTOMIZE YOUR SWITCH

Scan the QR code for a full list of parameters and look below for how to access them on your hub.

1. LED Indicator Mode: You can configure the indicator light's parameters—for example, by setting the brightness to automatically dim when the device is in an idle state.
2. Restores State After Power Failure: Set the on/off status for the relay after power failure.
3. Scene control: 4 Customizable Scene Buttons.
4. Adjustable dimming speed and ramp rate.
5. Minimum Brightness/Maximum Brightness.
6. Auto Turn-on/off Timer.

SCAN SETTING



ONE YEAR LIMITED WARRANTY

Supported by our professional R&D team and QC team, we provide One Year Warranty for materials and workmanship from the purchase date. Please note that the warranty does not cover damage caused by personal misuse or improper installation. Please attach your Order ID and Name so that our dedicated customer service team can help you better.

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. STORE INDOORS WHEN NOT IN USE. SUITABLE FOR DRY LOCATIONS ONLY. DO NOT IMMERSE IN WATER. NOT FOR USE WHERE DIRECTLY EXPOSED TO WATER.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following conditions:

1. This device may not cause harmful interference,
2. This device must accept any interference received, including interference that may cause undesired operation.

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 according to instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in any given installation.

If this equipment causes harmful interference to radio or television reception, the user may try to correct the interference by taking one or more of the following measures:

- Reorient or relocate receiving antenna
- Increase the separation between equipment and receiver
- Connect equipment into a separate outlet or circuit from receiver
- Consult the dealer or an experienced radio/TV technician for additional assistance

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 and your body.

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