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> Enbrighten Z-Wave Light Dimmer with QuickFit & SimpleWire, 3-Way Ready, Works with Alexa, Google Assistant, ZWave Hub Required, Repeater/Range Extender, Paddle, Smart Switch, White & Almond, 46203

## Enbrighten 46203

# Enbrighten Z-Wave In-Wall Smart Dimmer

Model: 46203 | Brand: Enbrighten

## INTRODUCTION

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This manual provides instructions for the installation, operation, and maintenance of your Enbrighten Z-Wave In-Wall Smart Dimmer. This device is designed to provide wireless control and scheduling for your lighting fixtures when paired with a compatible Z-Wave hub. It supports both manual operation and smart home integration, allowing for enhanced control over your home's lighting environment.



The Enbrighten Z-Wave In-Wall Smart Dimmer, shown with its packaging, highlights its QuickFit and SimpleWire features, Z-Wave Plus compatibility, and included white and light almond paddles.

## IMPORTANT SAFETY INFORMATION

Read and understand all instructions before installing or operating this device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **RISK OF ELECTRIC SHOCK:** Always turn OFF power to the circuit breaker or fuse box before installation.
- **RISK OF FIRE:** Do not exceed the maximum wattage ratings for connected loads.
- **RISK OF INJURY:** This device is intended for indoor use only.
- A neutral wire is **REQUIRED** for installation. If you are unsure, consult a qualified electrician.
- Ensure all wire connections are secure and properly insulated.

## PACKAGE CONTENTS

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- Enbrighten Z-Wave In-Wall Smart Dimmer
  - White Paddle (pre-installed)
  - Light Almond Paddle (for color customization)

*Note: Wall plate is not included and must be purchased separately.*



The dimmer includes both white and light almond paddles, allowing users to match their existing decor.

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## INSTALLATION AND SETUP

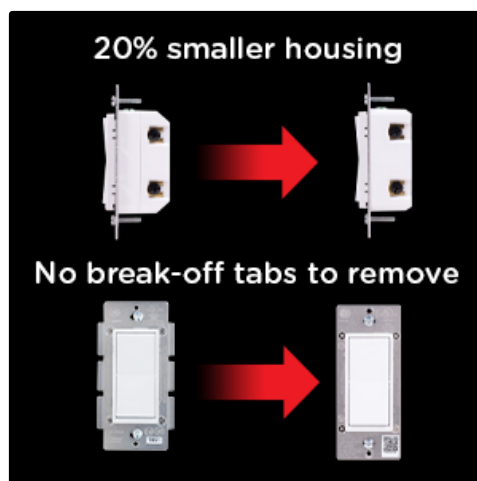
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### Pre-Installation Checklist

- Turn OFF power at the circuit breaker or fuse box.
- Ensure a neutral wire is present in your electrical box.
- Confirm the dimmer's wattage rating is suitable for your lighting load.

### QuickFit Design

The QuickFit design features a reduced housing depth (up to 20% smaller than previous models) and eliminates the need for heat tabs. This makes the dimmer ideal for older-style switch boxes, multi-gang configurations, or any application with limited space.



The QuickFit design offers a 20% smaller housing and eliminates break-off tabs, simplifying installation in tight spaces.

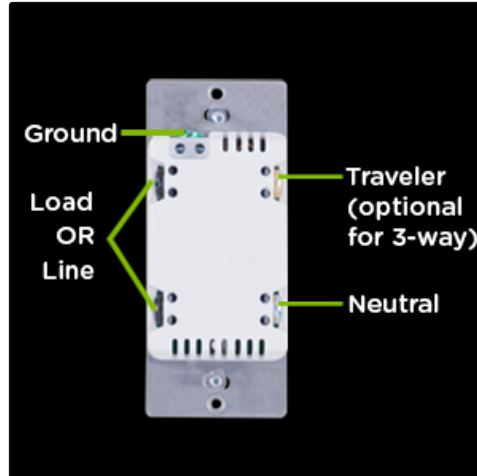
### SimpleWire Technology and Wiring

SimpleWire technology simplifies installation by automatically detecting line and load wires. It also includes dual, offset ground ports for easier daisy-chaining in multi-switch setups.

1. **Ground Wire:** Connect the dimmer's green ground wire to the bare copper or green ground wire in the

electrical box.

2. **Neutral Wire:** Connect the dimmer's white neutral wire to the white neutral wire in the electrical box. This connection is mandatory.
3. **Line/Load Wires:** The dimmer features auto line-load sensing. Connect the black line wire from the circuit breaker and the black load wire to the light fixture to the dimmer's designated terminals.
4. **Traveler Wire (for 3-way setups):** If installing in a 3-way or multi-location setup, connect the red traveler wire to the corresponding traveler wire from the add-on switch (models 12723 or 46199). Up to four add-on switches can be connected.

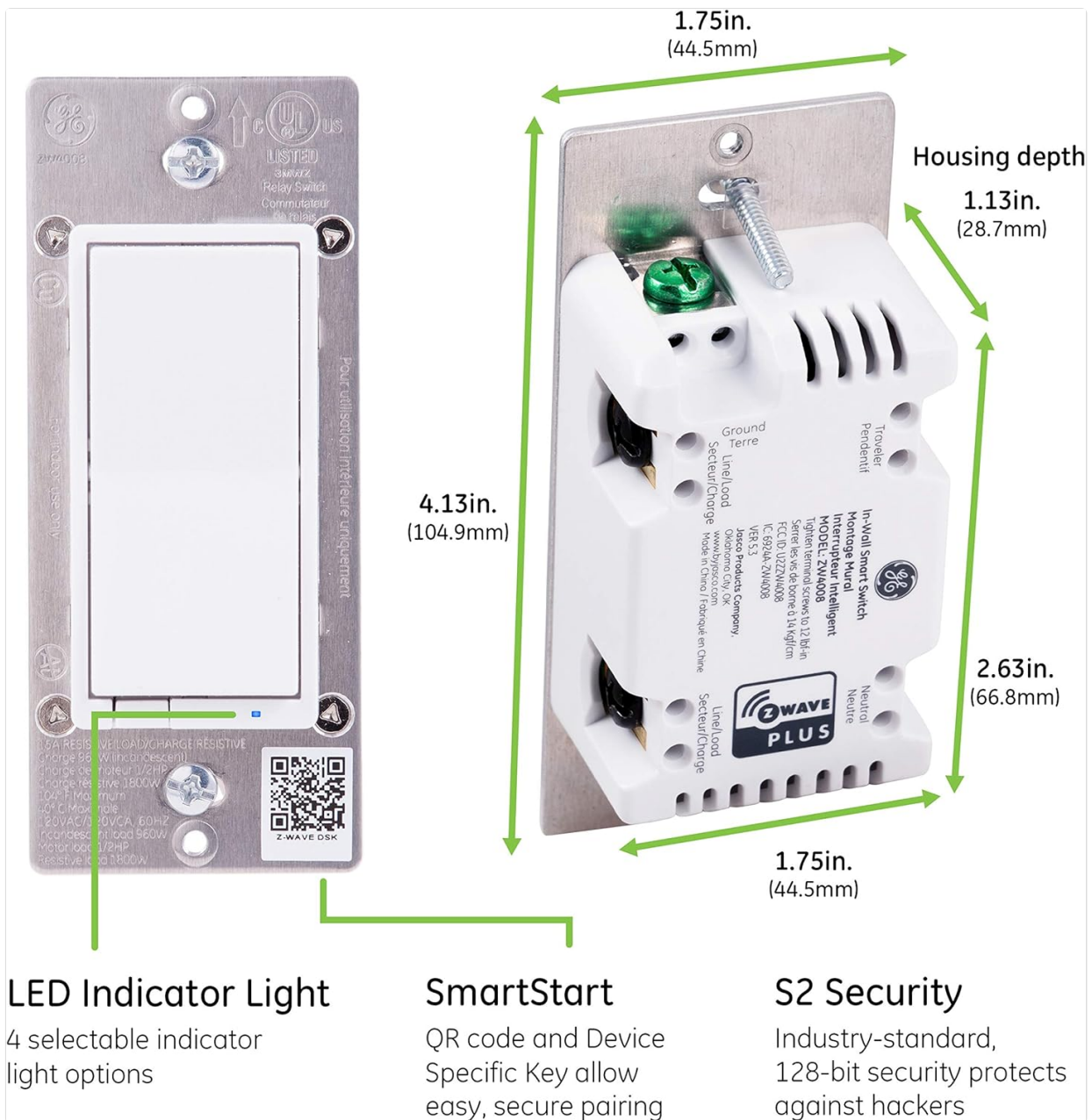


A simplified wiring diagram illustrating the connections for Ground, Load/Line, Neutral, and the optional Traveler wire for 3-way configurations.

## Z-Wave Pairing (Inclusion)

To integrate the dimmer into your Z-Wave network, follow these steps:

1. Place your Z-Wave hub into inclusion (pairing) mode. Refer to your hub's instruction manual for specific steps.
2. On the dimmer, press the top or bottom paddle once. The LED indicator will flash to confirm inclusion mode.
3. For SmartStart-enabled hubs, scan the QR code on the dimmer or its packaging. The Device Specific Key (DSK) allows for secure, easy pairing.
4. The dimmer supports S2 Security, providing industry-standard 128-bit encryption for enhanced network security.
5. Once successfully paired, the LED indicator will stop flashing and remain solid for a few seconds, or as indicated by your hub.



This image details the physical dimensions of the dimmer, highlights its LED indicator light options, and points out the SmartStart QR code and S2 Security features for secure and easy Z-Wave pairing.

## OPERATING INSTRUCTIONS

### Manual Control

- **Turn ON/OFF:** Press the top of the paddle to turn lights ON to the last dim level. Press the bottom of the paddle to turn lights OFF.
- **Adjust Brightness:** Press and hold the top of the paddle to increase brightness. Press and hold the bottom of the paddle to decrease brightness. Release the paddle when the desired brightness is reached.

### Voice Control

When connected to a compatible Z-Wave hub that supports voice assistants, you can control your lights using voice commands through devices like Amazon Alexa or Google Assistant.

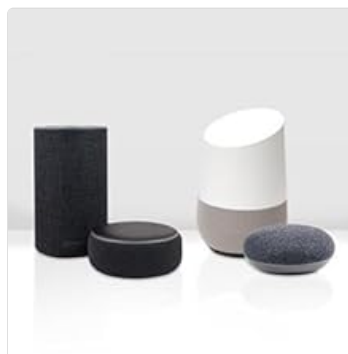
Alexa, set theater lighting.

Use voice control to set customized scenes and schedule timed events.



Requires compatible Z-Wave hub.

A family uses voice control, compatible with Alexa and Google Assistant, to manage their lighting settings, enabling customized scenes and scheduled events.



The dimmer is compatible with voice control platforms such as Amazon Alexa and Google Assistant, requiring a Z-Wave certified hub.

### Remote Control via Z-Wave Hub

Once paired with a Z-Wave hub, you can control the dimmer remotely using your hub's smartphone application. This allows for custom scenes, personalized scheduling, and convenient alerts.

### Dimmability and Bulb Compatibility

The Enbrighten Smart Dimmer offers full-range dimmability, allowing you to adjust brightness from 0-100%. It is compatible with a variety of dimmable bulb types:

- Dimmable LED bulbs (up to 300W)
- Dimmable CFL bulbs (up to 300W)
- Incandescent bulbs (up to 600W)
- Halogen bulbs (up to 600W)



## Full Range Dimmability

Adjust brightness level from 0-100%.  
Dimming lights cuts energy cost and  
extends bulb life.

The dimmer provides full-range dimmability, allowing brightness adjustment from 0-100%.



### 3-Way Ready

Control lights, fans or appliances from up to five locations



### Compatible Bulbs

Works with LED, CFL, incandescent and halogen bulbs

Need help? Contact our U.S.-based Consumer Care using the number in your user's manual.

The dimmer is 3-way ready, allowing control from multiple locations, and is compatible with dimmable LED, CFL, incandescent, and halogen bulbs.

## LED Indicator Light

The dimmer features an LED indicator light with 4 selectable options, providing visual feedback on the dimmer's status or location in the dark.

## MAINTENANCE

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To maintain the appearance and functionality of your smart dimmer, wipe it with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish or internal components.

## TROUBLESHOOTING

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### Device Not Responding

- Ensure power is ON at the circuit breaker.
- Verify all wiring connections are secure.
- Check if the Z-Wave hub is online and the dimmer is still paired. Try re-pairing if necessary.

- Ensure the dimmer is within range of your Z-Wave hub or another Z-Wave device acting as a repeater.

## Lights Flickering

- Confirm that the connected bulbs are explicitly labeled as 'dimmable'. Non-dimmable bulbs may flicker or be damaged.
- Check the total wattage of the connected bulbs to ensure it does not exceed the dimmer's maximum rating (300W for LED/CFL, 600W for incandescent/halogen).
- Some LED bulbs may require a minimum load to function correctly with dimmers.
- Consider updating the dimmer's firmware if available through your Z-Wave hub, as this can sometimes resolve compatibility issues.

## Pairing Issues

- Ensure your Z-Wave hub is in inclusion (pairing) mode.
- Try moving the dimmer closer to the hub during the pairing process.
- Perform a factory reset on the dimmer (refer to your hub's or dimmer's advanced instructions for this procedure) and attempt pairing again.

## SPECIFICATIONS

Feature	Detail
Model Number	46203
Power Source	Hardwire
Operating Voltage	120 Volts AC
Current Rating	15 Amps
Wattage (Incandescent/Halogen)	600W
Wattage (Dimmable LED/CFL)	300W
Connectivity Protocol	Z-Wave
Control Method	Voice, Manual, Remote (via Z-Wave hub)
Controller Type	Amazon Alexa, Google Assistant (requires Z-Wave hub)
Operating Temperature	32-104 Degrees Fahrenheit (0-40 Degrees Celsius)
Dimensions (L x W x H)	1.13 x 1.75 x 4.13 inches (28.7 x 44.5 x 104.9 mm)
Circuit Type	3-way compatible
Installation Method	Wall-Mounted
Color	White (with included Light Almond paddle)

## WARRANTY AND SUPPORT

### Warranty Information

This Enbrighten Z-Wave In-Wall Smart Dimmer is covered by a **2-year limited warranty**. For details regarding warranty claims and coverage, please refer to the official Enbrighten website or contact customer support.

## Customer Support

If you encounter any issues or have questions not covered in this manual, please contact Enbrighten customer support. Contact information can typically be found on the product packaging or the official Enbrighten website.