

EALOGIK®
3-Way Z-Wave Smart Dimmer Switch
• ZW315 •

switch x1 + wallplate x1 + wiring x1 + screws x2

Z-WAVE® 2-WAVE INTEROPERABILITY
This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other application. It uses battery operated nodes within the network will act as repeaters regardless of vendor to increase the reliability of the network. This device supports ULINK association group 1 supporting 1 node per InHome communication. Group 2 is the primary controller where successful notifications will be sent. The Z-Wave controller should set this association group to be the primary controller. ULINK association only supports the "Device Reset Locally" function. Refer to the instructions of your controller for any available details on how this can be set.

Convention	Description	Convention	Description
Part 1: Introduction	• Product introduction • Installation steps	Part 5: Parameter Settings	Function description • LED indicator • Auto Turn-Off Timer • Auto Turn-On Timer • Restores state after power failure • Dimmer speed (ON/OFF Control) • Dimmer speed (only for local press & hold) • Multilevel minimum value can be set • Multilevel maximum value can be set • Association Group • Locally Button Press function • Command classes
Part 2: Wiring Diagram	• Wiring instructions • Single-pole and 3-way wiring diagram	Part 6: Troubleshooting	• Solutions to some common problems
Part 3: Network Configuration	• Adding Device to Z-Wave Network • To Remove The Device • To Return The Device To Factory Defaults • Association Group		
Part 4: Manual Control	• LED Indicator Button Function • Adding / reset the device / Factory setting • Min & Max Brightness Value Setting		

Part 1. Introduction

Basic Operation
The connected light can be turned ON/OFF in two ways:
1. Manually from the front panel of the in-wall switch
2. Remotely with a 2-Wave Controller

Manual Control
The front panel has 4 buttons which allow the user to:
• Turn ON/OFF the connected fixture
• Adjust the brightness of the light
• Turn ON/OFF the device if it's pulled up. It's located on the top of the switch. When the LED is pulled up for both and right sides, push down for normal use.

Adjusting the COLOR of the PADDLE (OPTIONAL)
This step is optional. Before you set you may want to change the color of the paddle to match your wallplate or device.
1. Push the tabs in on one side and then the other to release paddle. Lift the cover up and off.
2. Simply use the new paddle on the switch by side tabs and snap securely into place. Once this step has been completed please proceed to part 2 wiring.

Model: ZW315
Power: 150W, 120V, 60Hz
Frequency: 50 Hz, 60 Hz
Maximum Load: 150W, 1500W (incandescent)
150W with both sides of heat sink tabs off
Heat sink tabs: 1.5" x 1.5" (38mm)
Range: Up to 100 feet of sight operating
Temperature Range: 32°F (0°C) - 104°F (40°C)

For reference:
Specifications subject to change without notice. All containing product improvement. **Approved: Z-Wave Plus Certified.**

For more details, please refer to the manual parts. If you have any questions during installation, please contact us at ask@ealotech.com

× A Few Quick Reminders
A quick look below we give you a wiring schematic. Please do not try installing this device if you are unsure of these electrical circuits operate within your home. As working as it is to have a smart switch installed, it can be dangerous and even life-threatening if you do not install it correctly. Please consult a qualified electrician if necessary. With that said, your other warnings we'll get to the point out for your safety.

HOW TO INSTALL THE WIRES

1. **Uncrew:** carefully turn the screw counter-clockwise to leave enough space for the wire to be inserted. Do not unscrew the screws completely.
2. **Press Down:** Once loosened, use your finger (or a screwdriver) to catch the thread.
3. **Insert the wire:** make sure the wire is completely straight, then insert it into the terminal until it is fully seated. Do not strip the wire around the screw!
4. **Tighten:** Turn the screw clockwise to tighten the wire. Make sure the wire is locked!

Note: There are 2 for each terminal can be used in the connection. You can use a jump wire or the second hole at the terminal to connect.

Note before installation
1) The Z-Wave In-Wall Smart Switch must not exceed 150W LED, 500W incandescent.
2) 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. Cauter! work with an add-on switch!**
3) 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.
4) 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.
5) Install the smart switch in the switch box which directly connects to the power Line and Neutral.
6) This switch **requires Neutral for installation**, or the installation will not succeed.
7) Not recommended for fan.

If you have any questions, please contact us at ask@ealotech.com

Part 2. Wiring Diagram

Single-pole wiring

1. Task: Please prepare a flat head screwdriver.
2. Turn power OFF at circuit breaker or fuse box.
3. Remove 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 to 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 all ground wires are connected to all switches respectively.

IMPORTANT
1) **Neutral required.** If the box do not have a Neutral, please stop! Connect the white wire to neutral terminal! Use a white jump wire from the package or second hole in the terminal to connect!
2) Insert the Line wire to Line terminal and Load wire to Load terminal. **LOAD and LINE CAN't be swapped,** please make sure to identify them correctly.

3-Way switch option 1

IMPORTANT
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 from the package or second hole in the terminal to connect!
2) Insert the Line wire to Line terminal and Load wire to Load terminal. **LOAD and LINE CAN't be swapped,** please make sure to identify them correctly.
3) Install the smart switch in the switch box which directly connects to the power Line, Load and Neutral.
4) 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. Cauter! work with an add-on switch!**

Box 2
Don't change this regular 3-way on/off switch

3-Way switch option 2

IMPORTANT
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 from the package or second hole in the terminal to connect!
2) Insert the Line wire to Line terminal and Load wire to Load terminal. **LOAD and LINE CAN't be swapped,** please make sure to identify them correctly.
3) Install the smart switch in the switch box which directly connects to the power Line and Neutral.
4) 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. Cauter! work with an add-on switch!**

Box 1
Line/Hot (Black connected to power)
Neutral - white
Load - black (connected to lighting)
Traveler - red/blue (only in 3-way installation)

Part 3. Network Configuration

Adding Device to Z-Wave Network
1. Follow the instructions for your Z-Wave certified controller to add a device to the Z-Wave network.
2. Once the controller is ready for your device, press the "down" button on the switch 5 times quickly. The blue LED will blink quickly.
3. Once the controller is ready to receive your device, press the "down" button on the switch 5 times quickly. The blue LED will blink quickly.
4. Once you have your device added to the network, you can control your device from your mobile device, or you can control your device from your mobile device, or you can control your device from your mobile device.

Note: If the Blue LED indicator doesn't light up after pressing the "down" button 5 times, please reset the device. **Click the button 5 times quickly the hold for at least 5 seconds.** This operation could be done when manual control function is functional. Single press can turn on/off the light.

How to Remove the Device
1. Follow the instructions for your Z-Wave certified controller to remove a device from the Z-Wave network.
2. Once the controller is ready to receive your device, press the "down" button on the switch 5 times quickly.

Return the Device to Factory Defaults
Manual: Click the switch button 5 times quickly then hold for at least 30 seconds.
Reset: Remove it from the last connection and the device will factory reset.
NOTE: This should only be used in the smart four network's primary controller is missing or otherwise inoperable.

Works with Alexa & Google Assistant
It must be connected to a supported hub in order to interact with Amazon Echo / Google Home services.

Association Group
1. Association Group 1: Scene 1 / Scene 2
2. Association Group 2: Scene 1 / Scene 2
3. Association Group 3: Scene 1 / Scene 2
4. Association Group 4: Scene 1 / Scene 2

Part 4. Manual Control

Operation	LED Status	Switch
Press down	On (blue)	Power on (default)
Press up	Off (blue)	Power off (default)
Hold	Flashing	Dimmer up or dimmer down
Press 5 quickly	Flashing	Dimmer up or dimmer down
Press 5 quickly (see below)	Green LED solid 5 seconds	Inclusion or exclusion success
Press "up" 5 quickly	Red LED solid 5 seconds	Inclusion or exclusion failed
Press "up" 5 quickly	Green LED flash 3 times (configuration success)	Change local LED status
Press "up" 5 quickly	Red LED flash 3 times (configuration success)	Change local LED status
Press "down" 5 quickly	Purple LED flash	Restores state after power failure
Tap-top then hold 10 seconds	Purple LED solid 2 seconds	Factory reset start
Press "up/down" 5 quickly	Orange LED flash	Factory reset finish
Press "up/down" 5 quickly	Orange LED flash	Max/Min brightness level setting

Minimum Brightness Value Setting
1. Press the "down" button 5 times quickly, the blue indicator flashes slowly. The bulb will dim to the minimum brightness automatically.
2. Press and hold the "up" or "down" button to adjust the brightness of the bulb, and select the appropriate brightness to set the minimum brightness.
3. After selecting, press the "down" button 5 times to confirm.
4. The minimum brightness setting is completed.

Maximum Brightness Value Setting
1. Press the "up" button 5 times quickly, the blue indicator flashes slowly. The bulb will bright up to the maximum brightness automatically.
2. Press and hold the "up" or "down" button to adjust the brightness of the bulb, and select the appropriate brightness to set the maximum brightness.
3. After selecting, press the "up" button 5 times to confirm.
4. The maximum brightness setting is completed.

Part 5. Parameter Settings

Locally Button Function
The operation can be set by the button to turn the light on/off, or you can set the operation to be the opposite of the default.
Operation: Quickly press the switch "down" button 5 times. Please note: the switching of each value is only valid for 10 seconds after the power is turned on.
Parameter: 0 - 1 (Default: 0)

LED Indicator
The operation can be set by the button to turn the light on/off, or you can set the operation to be the opposite of the default.
Operation: Quickly press the switch "down" button 5 times. Please note: the switching of each value is only valid for 10 seconds after the power is turned on.
Parameter: 0 - 1 (Default: 0)

Auto Turn-Off Timer
The operation can be set by the button to turn the light on/off automatically after the switch is on for a set period of time.
Operation: Set up on the hub.
Parameter: 0 - 1 (Default: 0)

Auto Turn-On Timer
The operation can be set by the button to turn the light on/off automatically after the switch is on for a set period of time.
Operation: Set up on the hub.
Parameter: 0 - 1 (Default: 0)

Restores state after power failure
The operation can be set by the button to turn the light on/off automatically after the power is turned on.
Operation: Set up on the hub.
Parameter: 0 - 1 (Default: 0)

Dimmer speed (ON/OFF Control)
The operation can be set by the button to turn the light on/off automatically after the power is turned on.
Operation: Set up on the hub.
Parameter: 0 - 1 (Default: 0)

Dimmer speed (only for local press & hold)
The operation can be set by the button to turn the light on/off automatically after the power is turned on.
Operation: Set up on the hub.
Parameter: 0 - 1 (Default: 0)

Multilevel minimum value can be set
The operation can be set by the button to turn the light on/off automatically after the power is turned on.
Operation: Set up on the hub.
Parameter: 0 - 1 (Default: 0)

Multilevel maximum value can be set
The operation can be set by the button to turn the light on/off automatically after the power is turned on.
Operation: Set up on the hub.
Parameter: 0 - 1 (Default: 0)

Generic Device Class
0x01: ON/OFF (Default)
0x02: ON/OFF (Default)
0x03: ON/OFF (Default)
0x04: ON/OFF (Default)
0x05: ON/OFF (Default)
0x06: ON/OFF (Default)
0x07: ON/OFF (Default)
0x08: ON/OFF (Default)
0x09: ON/OFF (Default)
0x0A: ON/OFF (Default)
0x0B: ON/OFF (Default)
0x0C: ON/OFF (Default)
0x0D: ON/OFF (Default)
0x0E: ON/OFF (Default)
0x0F: ON/OFF (Default)
0x10: ON/OFF (Default)
0x11: ON/OFF (Default)
0x12: ON/OFF (Default)
0x13: ON/OFF (Default)
0x14: ON/OFF (Default)
0x15: ON/OFF (Default)
0x16: ON/OFF (Default)
0x17: ON/OFF (Default)
0x18: ON/OFF (Default)
0x19: ON/OFF (Default)
0x1A: ON/OFF (Default)
0x1B: ON/OFF (Default)
0x1C: ON/OFF (Default)
0x1D: ON/OFF (Default)
0x1E: ON/OFF (Default)
0x1F: ON/OFF (Default)

CCFC
This device complies with part 15 of the FCC and Industry Canada Rules. This device is designed to minimize interference with other radio devices. However, no guarantee can be given that interference will not occur in a particular installation. The equipment must be used in accordance with the following conditions:
1) This device must not cause harmful interference to other radio devices.
2) This device must accept any interference received, including interference that may cause unintended operation.

CAUTION - PLEASE READ
This device is not intended for use 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 of your local regulations, please consult a qualified electrician.

WARNING - SHOCK HAZARD
LIVE WIRE! Turn OFF the power to the circuit that the switch and lighting fixture is on 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 equipment.

OTHER WARNINGS
• Risk of Fire
• Risk of Electrical Shock

MEDICAL EQUIPMENT
Please DO NOT use this switch to control Medical Life Support equipment. All electrical devices should always be used to control the ON/OFF status of critical medical life support equipment.

WARRANTY
Our Products warrant this product to be free from manufacturing defects for a period of one year from the original date of consumer purchase. This warranty is limited to the repair or replacement of parts that are found to be defective and does not extend to consequential or incidental damage to other products that may be used with this product. This warranty is void in the event of abuse, misuse, or modification. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. This warranty gives you specific rights, and you may also have other rights which vary from state to state.
E.L.D. 2020.12

Part 6. Troubleshooting

Possible Problem	Possible Cause	Solution
1. The connected LED bulb does not light when set to the minimum brightness level.	LED brightness minimum setting is incorrect.	Please set the LED brightness level according to the manual.
2. Couldn't pair with the hub/cannot recognize the device.	The device needs to be reset before pairing.	Please reset the device according to the manual.
3. The device couldn't turn lights on/off manually.	Wiring error	Please check the wiring diagram on the manual.
4. The smart switch is working and the 3-way switch does not.	3-way Wiring error	Please check the wiring diagram on the manual.