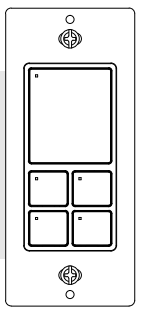
USER MANUAL

DIMMER & SCENE CONTROLLER

ZEN35 800LR



ZOOZ™
smart move
www.getzooz.com
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Scan to register your product for extended warranty and direct access to firmware files.

FEATURES

- Switch button: click for on/off control, hold to dim, tap for scenes
- 4 remote control buttons: trigger scenes and control other devices in your Z-Wave® network from this switch
- **NEW 800 series Z-Wave®** chip for better range and faster control
- **Direct 3-Way:** works with regular on/off switches in a 3-way
- **Z-Wave® Long Range** for ultra reliable no-mesh communication
- **Smart bulb mode:** disable relay and control lights via Z-Wave®
- Adjustable LED indicator in 7 colors and 3 brightness levels
- S2 Security and SmartStart for easier inclusion

SPECIFICATIONS

- Model Number: ZEN35 800LR
- Z-Wave® Region: US/CA/MX
- Power: 120 VAC, 60 Hz
- **Maximum Load:** 150W LED, 500W Incandescent, lighting only (DON'T use with receptacles, motors, fans, or tube lights)
- Range: Up to 500 feet line of sight (up to 1300 ft with ZWLR)
- Operating Temperature: 32-104° F (0-40° C)
- Installation and Use: Indoor only

⚠ CAUTION

This is an electrical device - please use caution when installing and operating the dimmer and scene controller. Remote control of appliances may result in unintentional or automated activation of power. Do not use this Z-Wave device to control electric heaters or other appliances which produce the risk of fire, burns, or electrical shock when unattended.
To reduce risk of overheating and possible damage to other equipment, do not install this unit to control a receptacle; a motor-operated appliance; a fluorescent lighting fixture; or a transformer-supplied fixture.

BEFORE YOU INSTALL

This switch is intended for installation in accordance with the National Electric Code and local regulations. It is recommended that a licensed electrician perform this installation.

WIRING: READ IT!

1. CHECK THE LOAD: lights only (150W for LED's, 500W for incandescent), DON'T CONNECT THIS SWITCH TO OUTLETS OR TUBE LIGHTS. QUALITY LIGHTING FIXTURES ONLY.
2. POWER OFF: turn the circuit power off in the breaker panel before you start. If installing in a multi-switch box with multiple circuits, turn power off at all of the circuits.
3. CHECK THE WIRES: mark load (most often black), line (most often black), neutral (most often white), and ground (most often bare). 14 AWG wires only! **Don't rely exclusively on your multimeter to identify the wires!**

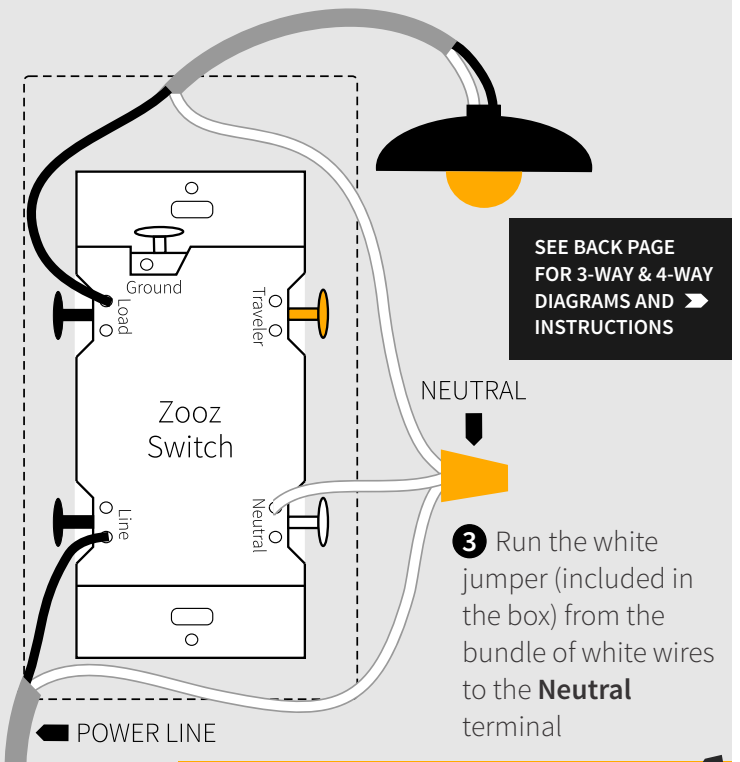
NOT SURE WHAT YOU'RE SEEING? WE'LL HELP! **SUPPORT.GETZOOZ.COM**
SEND US PICTURES OF YOUR SET-UP, BEFORE YOU DISCONNECT WIRES.

4. REMOVE THE OLD SWITCH: disconnect the wires and label them with the included label stickers.
5. CONNECT THE Z-WAVE® SWITCH: follow all installation steps carefully. Wire the switch EXACTLY like in the diagram.

ZEN35 WIRING DIAGRAM FOR SINGLE POLE INSTALLATION

❶ Insert the ground (bare) wire into the **Ground** terminal (not shown in the diagram)

❷ Insert the power source wire to **Line** terminal and load wire to **Load** terminal. **Load and line CAN'T be swapped so make sure you identified them correctly!**

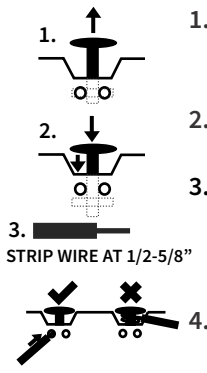


SEE BACK PAGE FOR 3-WAY & 4-WAY DIAGRAMS AND INSTRUCTIONS ➤

❸ Run the white jumper (included in the box) from the bundle of white wires to the **Neutral** terminal

DON'T FORCE THE SCREWS. Look up to see how to install the wires correctly.

HOW TO INSTALL THE WIRES



1. **LIFT SCREW:** carefully pull the screw away from the switch to make sure it's loose. DO NOT force it. **NO POWER TOOLS!**
2. **PRESS DOWN:** press the loose screw down with your finger so it catches the thread.
3. **INSERT WIRE:** make sure the wire is perfectly straight, then insert it into the terminal while holding the screw down. DO NOT wrap wires around the terminal screws!
4. **TIGHTEN:** turn the screw clockwise to tighten the wire. DO NOT OVERTIGHTEN!

COMPLETE INSTALLATION

Secure your Z-Wave® switch in the box with mounting screws, handling the wires with care. Isolate all bare wires and screws with electrical tape. Install the wall plate and restore power to circuit.

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 switch button for ON and tap it again for 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

⚠ WARNING

- This product should be installed indoors upon completion of any building renovations.
- Prior to installation, the device should be stored in a dry, dust-and-mold-proof place.
- Do not install the switch in a place with direct sun exposure, high temperature, or humidity.
- Keep away from chemicals, water, and dust.
- Ensure the device is never close to any heat source or open flame to prevent fire.
- Ensure the device is connected to an electric power source that does not exceed the maximum load power.
- No part of the device may be replaced or repaired by the user.

Z-WAVE® CONTROL

1. ADD DEVICE to your hub

Initiate inclusion (pairing) in the app (or web interface). SmartStart enabled products can be added into a Z-Wave® network by scanning the Z-Wave® QR Code present on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity.

2. Finalize inclusion at the switch.
TAP THE SWITCH BUTTON 3 TIMES QUICKLY
if using traditional Z-Wave® inclusion.

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

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

NEED SOME HELP? **ask@getzooz.com**

Choose your hub and scan the QR code with your phone's camera. Then click on the link to access the step-by-step pairing instructions.

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Get more tutorials and helpful tips at ww.support.getzooz.com

TROUBLESHOOTING

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

1. Initiate **EXCLUSION** and tap the switch button 3 times quickly.
2. Tap the switch button **4-5 times quickly** when adding it.
3. Bring the gateway controller (hub) **closer** to the switch, it may be out of range.
4. Get troubleshooting tips for your hub at **www.support.getzooz.com**

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.

EXCLUSION (REMOVING / UNPAIRING DEVICE)

1. Bring your Z-Wave® controller (hub) close to the switch if possible
2. Put the Z-Wave® hub into **exclusion mode** (not sure how to do that? ask@getzooz.com)
3. Tap the switch button **3 times quickly** (the LED indicator will start blinking blue)
4. Your hub will confirm exclusion, the LED indicator on the switch will turn green for 3 seconds, and the device will disappear from your controller's device list

FACTORY RESET

If your primary controller is missing or inoperable, you may need to reset the device to factory settings. To reset the switch, **press and hold the switch button for 20 seconds** until the LED indicator turns solid red. Release the button, and immediately after, **tap remote button 1 once** to complete the reset. The LED indicators on all buttons will flash red and cycle through colors for a successful reset.
NOTE: All previously recorded activity and custom settings will be erased from the device's memory.

PROGRAMMING

There are 2 ways you can use the buttons on the Scene Controller to control other Z-Wave® devices in your network:

1. Scene Control:
- Great to trigger preset scenes with multiple devices
- Perfect for smart bulb control and non Z-Wave® devices
- Supports 1-tap, 2-tap, 3-tap, 4-tap, 5-tap, button held, and button released for each button

2. Direct Association
- Great to control other Z-Wave® devices directly
- Perfect for Z-Wave® smart bulb control or as a virtual add-on for existing Z-Wave® switches and dimmers
- Use only for Z-Wave® devices included with the same security level as your Scene Controller
- Supports 1-tap for on/off control (Group 2) and button held/released for dimming (Group 3), working in a sequence: press once to change state or hold to dim / increase brightness

Programming your Scene Controller using either of the above methods will depend on the capabilities and interface layout of your Z-Wave® system.
Scan one of the below QR codes to get step-by-step instructions for your hub and if it's not listed, get in touch: **ask@getzooz.com**

Choose your hub and scan the QR code with your phone's camera. Then click on the link to access the instructions.

Z-Box Hub | SmartThings | Hubitat | Home Assistant

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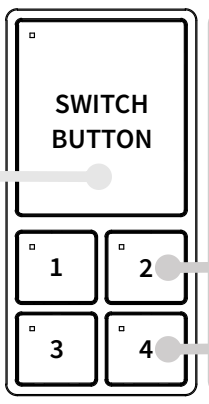
HOW IT WORKS?

SWITCH BUTTON: reports association Group 1 Lifeline to the hub, Group 2 Basic Set, Group 3 Multilevel Set, Group 4 Multilevel Start/Stop; reports Scene 5 with 7 attributes (actions)
BUTTON 1: Group 5 Basic Set, Group 6 Multilevel; Scene 1 (7 actions)
BUTTON 2: Group 7 Basic Set, Group 8 Multilevel; Scene 2 (7 actions)
BUTTON 3: Group 9 Basic Set, Group 10 Multilevel; Scene 3 (7 actions)
BUTTON 4: Group 11 Basic Set, Group 12 Multilevel; Scene 4 (7 actions)

TAP x 1 for on/off of the connected load; Scene 5, pressed (or basic set for association Group 2)
TAP x 2, 3, 4, or 5 for Scene 5 multi-tap
HOLD to dim the connected load or for Scene 5 held (or start level change); multilevel to Group 3
RELEASE to stop dimming the connected load or for Scene 5, released (or multilevel stop level change)



TAP x 1 Scene 1-4 pressed (or basic set for Group 4, 6, 8, and 10)
TAP x 2, 3, 4, or 5 for Scene 1-4 multi-tap
HOLD for Scene 1-4 held (or start level change); multilevel to Group 5, 7, 9, and 11
RELEASE for Scene 1-4 released (or multilevel stop level change)

This product can be included and operated in any Z-Wave® network with other Z-Wave® certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network. This product features the latest Security 2 (S2) framework to remove smart home network hacking risks. This device is equipped with a unique authentication code for trusted wireless communication.
This is an ETL certified device. ETL, just like UL, is a Nationally Recognized Testing Laboratory. The ETL mark is proof of product compliance with North American safety standards.

WARRANTY

This product is covered under a 1-year limited warranty with extended 5-year warranty once it's registered. To read the full warranty policy, register your product, or file a warranty claim, please go to www.getzooz.com/warranty

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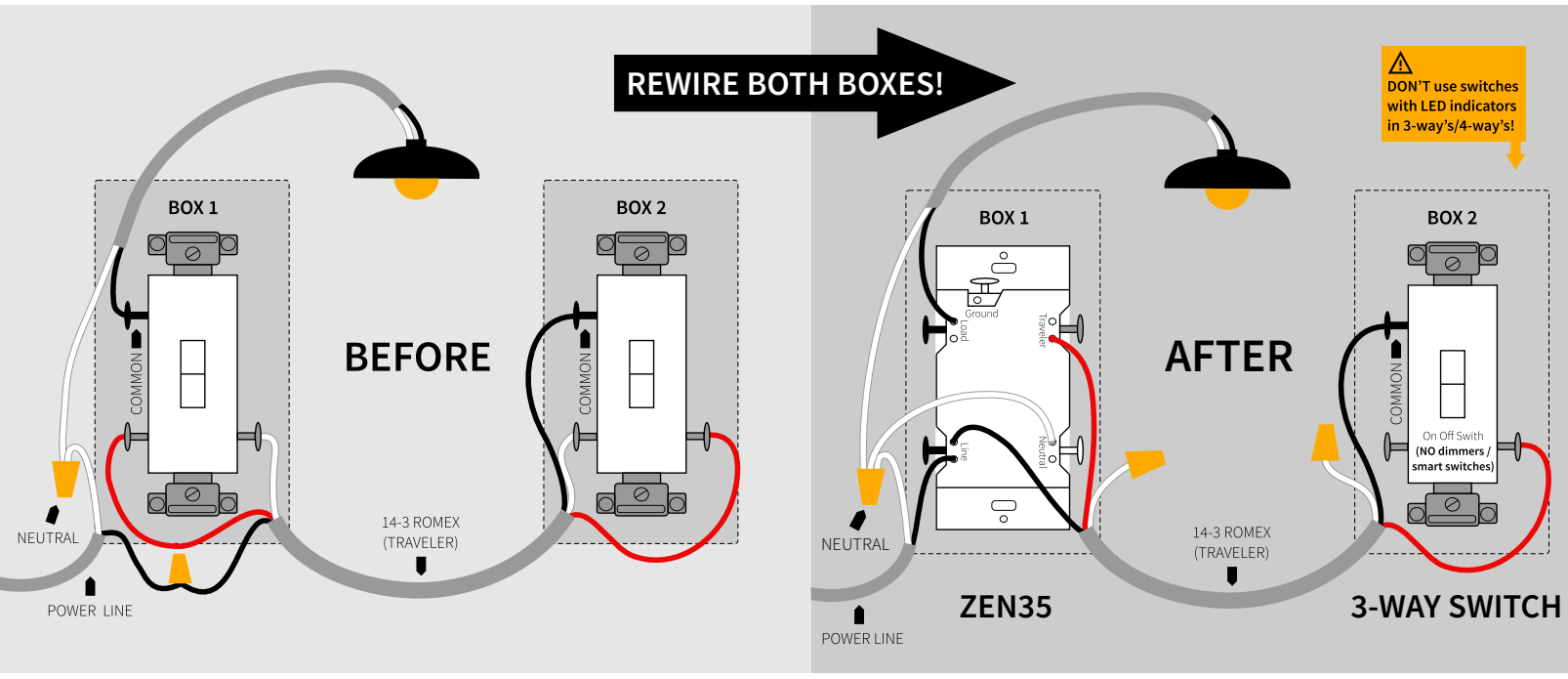
FCC NOTE
THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT. STORE INDOORS WHEN NOT IN USE. SUITABLE FOR DRY LOCATIONS ONLY. DO NOT IMMERSE IN WATER. NOT 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

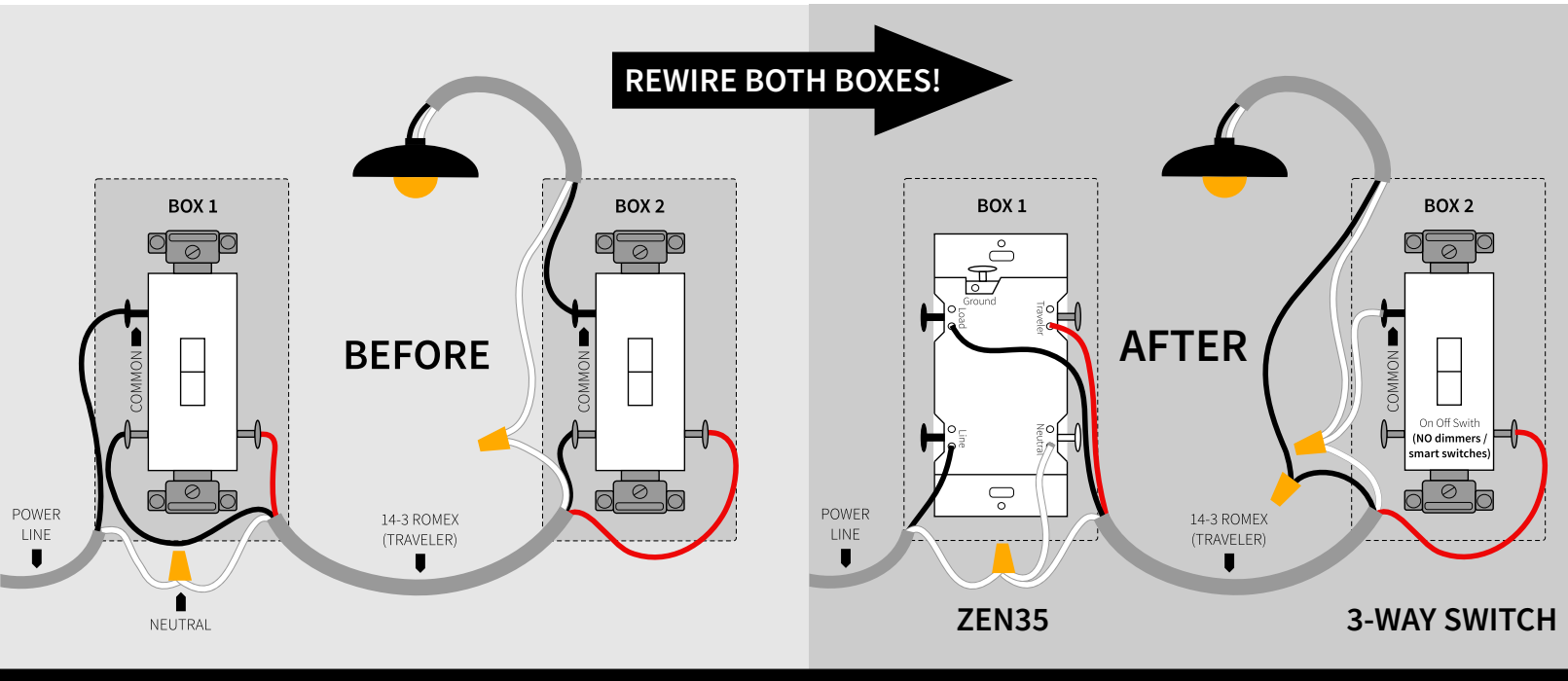
ZEN35 WIRING DIAGRAMS FOR THE MOST COMMON 3-WAY INSTALLATIONS

For more diagrams or to request custom instructions go to **support.getzooz.com**

3-WAY DIAGRAM FOR 2-POINT CONTROL WITH ZEN35 AND REGULAR 3-WAY SWITCH: OPTION 1



3-WAY DIAGRAM FOR 2-POINT CONTROL WITH ZEN35 AND REGULAR 3-WAY SWITCH: OPTION 2



STOP!

Wire and screw position, as well as color codes are for illustration only. You should not follow the colors and positioning in the illustration blindly. Always identify all wires prior to installing Zooz switches and make sure you can match the diagrams to your set-up exactly. Don't experiment or attempt a "trial-and-error" installation for your own safety. **Don't disconnect any wires before documenting your set-up in each box with detailed images!**

NOTE!

If you are not comfortable identifying the wiring and completing the installation, please consult a licensed electrician.
Make sure you have identified all wiring correctly before connecting the switch. If your wiring doesn't match any of the below diagrams, contact our support: ask@getzooz.com

ON/OFF SWITCHES ONLY

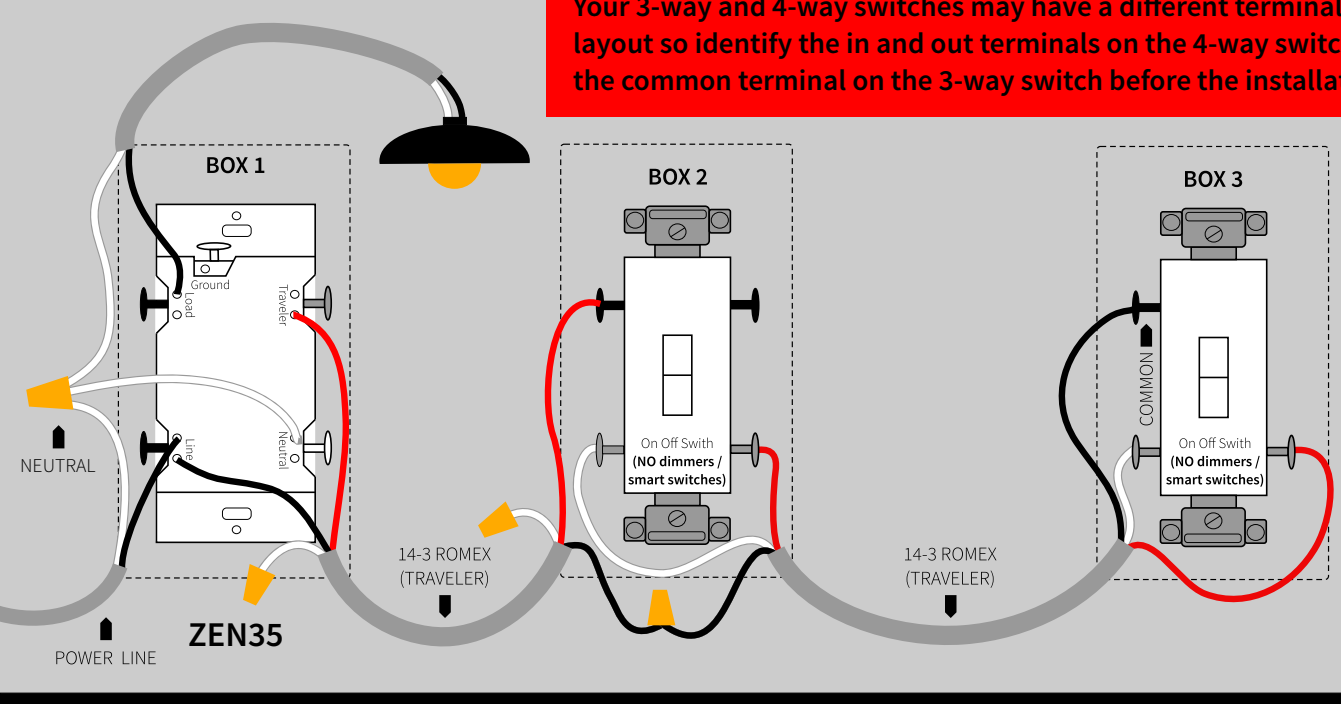
Do not connect Zooz Z-Wave® switches to an existing 3-way dimmer, illuminated switch, or an electronic add-on switch. Zooz switches can only be wired with mechanical on/off or momentary switches in a 3-way or 4-way setting! To simplify the diagrams, we did not include connections for the ground wire. Remember that all Zooz switches need to be wired according to the electrical code, with ground wire connected to the ground terminal.

POWER OFF!

Cut power to the circuit before handling the wiring.
Diagrams and instructions in this manual are for the ZEN35 model ONLY! Always follow the correct diagram for your own safety and to avoid equipment damage. Other Zooz switches may wire differently!

ZEN35 4-WAY INSTALLATION WIRING DIAGRAM (LINE AND LOAD MUST BE IN THE SAME BOX)

CHECK 3-WAY / 4-WAY TYPE!
Your 3-way and 4-way switches may have a different terminal layout so identify the in and out terminals on the 4-way switch and the common terminal on the 3-way switch before the installation.



EACH BOX NEEDS TO BE WIRED ACCORDING TO THE 4-WAY DIAGRAM.

Don't follow the wire colors blindly - make sure you understand the role of each wire before moving forward with the installation. The colors used in this diagram are just an example of the many scenarios you'll come across in multi-point control set-ups.

Follow this diagram ONLY if you confirmed you have direct connection to power and light in the same box. If they're in separate boxes, ask us about using the ZEN35 switch with ZAC99 momentary switches in 4-way and 5-way installations.

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LOOKING FOR ADVANCED SETTINGS? HERE THEY ARE!

Here is a selection of settings available to customize your switch:
- **LED Indicator** behavior, color, brightness:
- **Smart Bulb Mode** (disable the relay)
- On/off status for the switch after **power failure**
- **Dimming ramp rate** for a smooth fade-out effect

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

SCAN SETTINGS

Choose your hub and scan the QR code with your phone's camera. Then click on the link to learn how to access and change the advanced settings for the switch on your hub.

Z-Box Hub

Hubitat

Home Assistant

SmartThings

NEED HELP?

If you're having trouble reading the diagrams or don't see your wiring set-up here, get in touch! We have **more 3-way, 4-way, and 5-way diagrams** and instructions. There are many ways to wire multi-point control set-ups so unless you can match your wiring to the diagrams here, please don't attempt the installation for your own safety.

ask@getzooz.com
www.support.getzooz.com

USE IT WITH SMART BULBS!

Want to control your smart bulb from a wall switch without cutting power to it every time you turn the light off from the switch? We'll tell you how, just ask!

ZEN35 ADVANCED SETTINGS

Parameter no.	Size (bytes)	Range	Default value	Values	Label	Short Description	Full Description
1	1	0/1/2/3	0	0 – LED on when dimmer off, LED off when dimmer on 1 – LED on when dimmer on, LED off when dimmer off 2 – LED always off 3 – LED always on	LED Mode For Dimmer Button	Choose if you want the LED indicator to turn on when the dimmer (light) is on or off, or if you want it to remain on or off at all times.	Choose if you want the LED indicator to turn on when the dimmer (light) is on or off, or if you want it to remain on or off at all times.
2	1	0/1/2/3	0	0 – LED on when button off, LED off when button on 1 – LED on when button on, LED off when button off 2 – LED always off 3 – LED always on	LED Mode For Button 1	Choose if you want the LED indicator to turn on when Button 1 is on or off, or if you want it to remain on or off at all times.	Choose if you want the LED indicator to turn on when Button 1 is on or off, or if you want it to remain on or off at all times.
3	1	0/1/2/3	0	0 – LED on when button off, LED off when button on 1 – LED on when button on, LED off when button off 2 – LED always off 3 – LED always on	LED Mode For Button 2	Choose if you want the LED indicator to turn on when Button 2 is on or off, or if you want it to remain on or off at all times.	Choose if you want the LED indicator to turn on when Button 2 is on or off, or if you want it to remain on or off at all times.
4	1	0/1/2/3	0	0 – LED on when button off, LED off when button on 1 – LED on when button on, LED off when button off 2 – LED always off 3 – LED always on	LED Mode For Button 3	Choose if you want the LED indicator to turn on when Button 3 is on or off, or if you want it to remain on or off at all times.	Choose if you want the LED indicator to turn on when Button 3 is on or off, or if you want it to remain on or off at all times.
5	1	0/1/2/3	0	0 – LED on when button off, LED off when button on 1 – LED on when button on, LED off when button off 2 – LED always off 3 – LED always on	LED Mode For Button 4	Choose if you want the LED indicator to turn on when Button 4 is on or off, or if you want it to remain on or off at all times.	Choose if you want the LED indicator to turn on when Button 4 is on or off, or if you want it to remain on or off at all times.
6	1	0/1/2/3/4/5/6	0	0 – white 1 – blue 2 – green 3 – red 4 – magenta 5 – yellow 6 – cyan	LED Color For Dimmer Button	Choose the color of the dimmer button LED indicator. 0 – white, 1 – blue, 2 – green, 3 – red, 4 – magenta, 5 – yellow, 6 – cyan.	Choose the color of the dimmer button LED indicator. 0 – white, 1 – blue, 2 – green, 3 – red, 4 – magenta, 5 – yellow, 6 – cyan.
7	1	0/1/2/3/4/5/6	0	0 – white 1 – blue 2 – green 3 – red 4 – magenta	LED Color For Button 1	Choose the color of button 1 LED indicator. 0 – white, 1 – blue, 2 – green, 3 – red, 4 – magenta, 5 – yellow, 6 – cyan.	Choose the color of button 1 LED indicator. 0 – white, 1 – blue, 2 – green, 3 – red, 4 – magenta, 5 – yellow, 6 – cyan.

Parameter no.	Size (bytes)	Range	Default value	Values	Label	Short Description	Full Description
8	1	0/1/2/3/4/5/6	0	0 – white 1 – blue 2 – green 3 – red 4 – magenta 5 – yellow 6 – cyan	LED Color For Button 2	Choose the color of button 2 LED indicator. 0 – white, 1 – blue, 2 – green, 3 – red, 4 – magenta, 5 – yellow, 6 – cyan.	Choose the color of button 2 LED indicator. 0 – white, 1 – blue, 2 – green, 3 – red, 4 – magenta, 5 – yellow, 6 – cyan.
9	1	0/1/2/3/4/5/6	0	0 – white 1 – blue 2 – green 3 – red 4 – magenta 5 – yellow 6 – cyan	LED Color For Button 3	Choose the color of button 3 LED indicator. 0 – white, 1 – blue, 2 – green, 3 – red, 4 – magenta, 5 – yellow, 6 – cyan.	Choose the color of button 3 LED indicator. 0 – white, 1 – blue, 2 – green, 3 – red, 4 – magenta, 5 – yellow, 6 – cyan.
10	1	0/1/2/3/4/5/6	0	0 – white 1 – blue 2 – green 3 – red 4 – magenta 5 – yellow 6 – cyan	LED Color For Button 4	Choose the color of button 4 LED indicator. 0 – white, 1 – blue, 2 – green, 3 – red, 4 – magenta, 5 – yellow, 6 – cyan.	Choose the color of button 4 LED indicator. 0 – white, 1 – blue, 2 – green, 3 – red, 4 – magenta, 5 – yellow, 6 – cyan.
11	1	0/1/2	1	0 – bright (100%) 1 – medium (60%) 2 – low (30%)	LED Brightness For Dimmer Button	Choose the dimmer button LED indicator's brightness level. 0 – bright (100%); 1 – medium (60%); 2 – low (30%).	Choose the dimmer button LED indicator's brightness level. 0 – bright (100%); 1 – medium (60%); 2 – low (30%).
12	1	0/1/2	1	0 – bright (100%) 1 – medium (60%) 2 – low (30%)	LED Brightness For Button 1	Choose button 1 LED indicator's brightness level. 0 – bright (100%); 1 – medium (60%); 2 – low (30%).	Choose button 1 LED indicator's brightness level. 0 – bright (100%); 1 – medium (60%); 2 – low (30%).
13	1	0/1/2	1	0 – bright (100%) 1 – medium (60%) 2 – low (30%)	LED Brightness For Button 2	Choose button 2 LED indicator's brightness level. 0 – bright (100%); 1 – medium (60%); 2 – low (30%).	Choose button 2 LED indicator's brightness level. 0 – bright (100%); 1 – medium (60%); 2 – low (30%).
14	1	0/1/2	1	0 – bright (100%) 1 – medium (60%) 2 – low (30%)	LED Brightness For Button 3	Choose button 3 LED indicator's brightness level. 0 – bright (100%); 1 – medium (60%); 2 – low (30%).	Choose button 3 LED indicator's brightness level. 0 – bright (100%); 1 – medium (60%); 2 – low (30%).
15	1	0/1/2	1	0 – bright (100%) 1 – medium (60%) 2 – low (30%)	LED Brightness For Button 4	Choose button 4 LED indicator's brightness level. 0 – bright (100%); 1 – medium (60%); 2 – low (30%).	Choose button 4 LED indicator's brightness level. 0 – bright (100%); 1 – medium (60%); 2 – low (30%).
16	4	0~65535	0	0 – Timer disabled 1-65535 (minutes)	Auto Turn-Off Timer For Dimmer	Auto-off timer will automatically turn the dimmer off after x minutes once it has been turned on.	Use this parameter to enable or disable the auto turn-off timer function (the time after which you want the dimmer to automatically turn off once it has been turned on).

ZEN35 COMMAND CLASSES

Z-Wave Plus Info V2
Security 2 V1
Supervision V1
Transport Service V2
Basic V2
Association V2
Association Group Information V3
Multi Channel Association V3
Version V3
Manufacturer Specific V2
Device Reset Locally V1
Power Level V1
Indicator V3
Firmware Update Meta Data V5
Configuration V4
Central Scene V3
Multilevel Switch V4

Parameter no.	Size (bytes)	Range	Default value	Values	Label	Short Description	Full Description
17	4	0~65535	0	0 – Timer disabled 1-65535 (minutes)	Auto Turn-On Timer For Dimmer	Auto-on timer will automatically turn the dimmer on after x minutes once it has been turned off.	Use this parameter to enable or disable the auto turn-on timer function (the time after which you want the dimmer to automatically turn on once it has been turned off).
18	1	0/1/2	2	0 – always off once restored 1 – always on once restored 2 – remembers and restores status	On/Off Status After Power Failure	Set the on off status for the dimmer after power failure.	Set the on off status for the dimmer after power failure.
19	1	0/1/2	1	0 – Disable button 1 – Enable button and Z-Wave 2 – Disable button and Z-Wave	Load Control (Smart Bulb Mode)	Enable or disable physical and Z-Wave on/off and dimming control. Disable both for smart bulbs.	Enable or disable physical and Z-Wave on/off and dimming control. Disable both physical button and Z-Wave control for smart bulbs (use central scene triggers). Scene control and other functionality will still be available from the button.
20	1	0/1	0	0 – Reports status / changes LED 1 – Doesn't report status / change LED	Disabled Load Behavior	Set reporting behavior for disabled physical control of the load connected to the dimmer (smart bulb mode).	Set reporting behavior for disabled physical control of the load connected to the dimmer (smart bulb mode). 0 – switch reports on/off and brightness level status and change LED indicator state even if physical and Z-Wave control is disabled (default). 1 – switch doesn't report on/off or brightness level status or change LED indicator state when physical (and Z-Wave) control is disabled.
21	1	0~99	0	0 – instant on 1-99 (seconds)	Physical Ramp Rate ON	Adjust the ramp rate ON for your dimmer when the dimmer button is pressed for a smooth fade-in effect (in seconds).	Adjust the ramp rate ON for your dimmer when the button is pressed (physical ramp rate on). Values correspond to the number of seconds it takes for the dimmer to reach full brightness when operated manually.
22	1	0~99	2	0 – instant off 1-99 (seconds)	Physical Ramp Rate OFF	Adjust the ramp rate OFF for your dimmer when the button is pressed for a smooth fade-out effect (in seconds).	Adjust the ramp rate OFF for your dimmer when the button is pressed (physical ramp rate off). Values correspond to the number of seconds it takes for the dimmer to completely turn off when operated manually.
23	1	1~99	5	1-99 (seconds)	Physical Dimming Speed	Set the number of seconds it takes to get from 0% to 100% brightness when pressing and holding the button (physical dimming).	Set the time it takes to get from 0% to 100% brightness when pressing and holding the button (physical dimming). The number entered as value corresponds to the number of seconds.
24	1	0~99/255	255	0 – instant on 1-99 (seconds) 255 – match physical	Z-Wave Ramp Rate ON	Adjust the ramp rate ON for your dimmer when controlled with Z-Wave for a smooth fade-in effect (in seconds).	Adjust the ramp rate ON for your dimmer when controlled with Z-Wave for a smooth fade-in effect (in seconds). Values correspond to the number of seconds it takes for the dimmer to reach full brightness when controlled with Z-Wave commands. Use value 255 to match the physical settings in parameter 21.

Parameter no.	Size (bytes)	Range	Default value	Values	Label	Short Description	Full Description
25	1	0~99/255	255	0 – instant off 1-99 (seconds) 255 – match physical	Z-Wave Ramp Rate OFF	Adjust the ramp rate OFF for your dimmer when controlled with Z-Wave for a smooth fade-out effect (in seconds).	Adjust the ramp rate OFF for your dimmer when controlled with Z-Wave for a smooth fade-out effect (in seconds). Values correspond to the number of seconds it takes for the dimmer to completely turn off when controlled with Z-Wave commands. Use value 255 to match the physical settings in parameter 22.
26	1	1~99	5	1-99 (seconds)	Remote Z-Wave Dimming Duration	Set the number of seconds it takes to get from 0% to 100% brightness on dimmers and smart bulbs directly associated with ZEN35 in Groups 3 and 4.	Set the time it takes to get from 0% to 100% brightness on dimmers and smart bulbs directly associated with your dimmer in Groups 3 and 4 when pressing and holding the paddle (physical dimming) on your dimmer. The number entered as value corresponds to the number of seconds.
27	1	1~99	1	1-99 (%)	Minimum Brightness	Set the minimum brightness level (in %) for your dimmer. You won't be able to dim the light below the set value.	Set the minimum brightness level (in %) for your dimmer. You won't be able to dim the light below the set value.
28	1	1~99	99	1-99 (%)	Maximum Brightness	Set the maximum brightness level (in %) for your dimmer. You won't be able to add brightness to the light beyond the set value.	Set the maximum brightness level (in %) for your dimmer. You won't be able to add brightness to the light beyond the set value. Note: if Parameter 29 is set to value 0, Parameter 28 is automatically disabled.
29	1	0/1/2/3	0	0 – on to full brightness 1 – on to the custom brightness (from param 31) 2 – on to max brightness (from param 28) 3 – double tap disabled	Dimmer Button Double Tap	Choose what you'd like the dimmer to do when you double-tap the dimmer button.	Choose what you'd like the dimmer to do when you double-tap the dimmer button. This is a different setting than scene control so remember to program only one of the settings to avoid logical conflict.
30	1	0/1/2/3	0	0 – on to the last brightness level 1 – on to the custom brightness (from param 31) 2 – on to max brightness (from param 28) 3 – on to full brightness	Dimmer Button Single Tap	Choose what you'd like the dimmer to do when you tap the dimmer button once.	Choose what you'd like the dimmer to do when you tap the dimmer button once. This is a different setting than scene control so remember to program only one of the settings to avoid logical conflict.
31	1	0~99	0	0 – last brightness level 1-99 (%)	Physical Custom Brightness On	Set the custom brightness level (or leave the last brightness level) for single tap and double tap (see params 29 and 30).	Set the custom brightness level (instead of the last set brightness level) you want the dimmer to come on to when you single tap or double tap the dimmer button or connected 3-way switch (see parameters 29 and 30).
32	1	0/1/2/3	0	0 – Toggle on/off switch 1 – Toggle switch with dimming mode 2 – Momentary switch (ZAC99) 3 – Momentary switch (ZAC99) with smart sequence	3-Way Switch Type	Choose the type of 3-way switch you want to use with this dimmer in a 3-way set-up.	Choose the type of 3-way switch you want to use with this dimmer in a 3-way set-up. Values: 0 – regular mechanical 3-way on/off switch, use the connected 3-way switch to turn the light off or on to the last brightness level, dimming only available from the Zooz Z-Wave dimmer and from the hub (or through voice control if smart speaker is integrated with your Z-Wave hub) 1 – regular mechanical 3-way on/off switch, tap the paddles once to change state (light on or off), tap the paddles twice quickly to turn light on to full brightness, tap the paddles quickly 3 times to enable a dimming sequence (the light will start dimming up and down in a loop) and tap the switch again to set the selected brightness level 2 – momentary switch, click once to change status (light on or off), click twice quickly to turn light on to full brightness, press and hold to adjust brightness (dim up / dim down in sequence) 3 – momentary switch, click once to change status (light on or off), click twice quickly to turn light on to full brightness, press and hold to adjust brightness (dim up / dim down in sequence but always reduce brightness after double click).

Parameter no.	Size (bytes)	Range	Default value	Values	Label	Short Description	Full Description
33	1	0/1/2	2	0 – Reports each brightness level if physical and Z-Wave control disabled (reports final level if physical and Z-Wave control enabled) 1 – Always reports final brightness level only (Z-Wave multilevel reports, physical basic reports) 2 – Reports each brightness level if physical and Z-Wave control disabled (reports final level if physical and Z-Wave control enabled), all multilevel reports	Multilevel Dimming Reports	Choose how you'd like the dimmer to report when the dimmer button is tapped and held and physical / Z-Wave control is enabled or disabled.	Choose how you'd like the dimmer to report when the dimmer button is tapped and held and physical / Z-Wave control is enabled or disabled. See parameter 36 (smart bulb mode) for details.
34	1	0/1	0	0 – programming enabled 1 – programming disabled	Disable Button Programming	Enable (0) or disable (1) programming functionality on the dimmer button. For advanced users only, changes not recommended.	Enable or disable programming functionality on the dimmer button. If this setting is disabled, then inclusion, exclusion, smart bulb mode no longer work when the dimmer button is activated (factory reset and scene control will still work) - that means you can now use triple-tap triggers on the dimmer for scenes and remote control of other devices.
35	1	0-15	15	0 – none; 1 – physical tap on button only; 2 – physical tap on connected 3-way switch only; 3 – physical tap on button or connected 3-way switch; 4 – Z-Wave command from hub; 5 – physical tap on button or Z-Wave command from hub; 6 – physical tap on connected 3-way switch or Z-Wave command from hub; 7 – physical tap on button / connected 3-way switch or Z-Wave command from hub; 8 – timer only; 9 – physical tap on button or timer; 10 – physical tap on connected 3-way switch or timer; 11 – physical tap on button / connected 3-way switch or timer; 12 – Z-Wave command from hub or timer; 13 – physical tap on button, Z-Wave command from hub, or timer; 14 – physical tap on button / connected 3-way switch, Z-Wave command from hub, or timer; 15 – all of the above	Association Reports	Choose physical and Z-Wave triggers for the dimmer to send a status change report to the associated devices. See manual for details.	Choose which physical and Z-Wave triggers should prompt the dimmer to send a status change report to the associated devices. See values for details.
36	1	0/1	1	0 – scene control disabled 1 – scene control enabled	Dimmer Button Scene Control	Enable or disable scene control functionality on the dimmer button for quick multi tap triggers.	Enable or disable scene control functionality on the dimmer button for quick multi tap triggers.
37	1	0/1	0	0 – scene control disabled commands from the remote 3-way switch disabled 1 – scene control commands from the remote 3-way switch enabled	Scene Control From 3-Way Switch	Enable scene control functionality from the momentary switch connected to ZEN35 in a 3-way installation.	Enable scene control functionality from the momentary switch connected to ZEN35 in a 3-way installation. If enabled, you will be able to trigger double tap and triple tap scenes from the Zooz smart dimmer AND the momentary switch connected to it in a 3-way set-up.
38	1	0/1	0	0 – LED indicator flashes to confirm a setting change 1 – LED indicator doesn't flash if a setting is changed	Disable LED Flash On Setting Change	Choose if the LED should flash whenever a parameter is adjusted on the device to confirm the change (0) or disable this feature (1).	Enable / disable LED indicator for setting changes. Choose if you want the LED indicators to flash whenever a parameter (settings) is adjusted on the device to confirm the change. Disable this feature if you're using the LED indicators in
39	1	0/1	0	0 – LED indicator flashes when button is pressed 1 – LED indicator doesn't flash when button is pressed	Disable LED Flash On Button Press	Choose if the LED should flash whenever the corresponding button is pressed (0) or disable this feature (1).	Choose if the LED should flash whenever the corresponding button is pressed (0) or disable this feature (1). Disable this feature if you're using the LED indicators in automations.
40	1	0/1	0	0 – disabled 1 – enabled	On Off Switch Mode	Convert the dimmer to an on off switch. When enabled, the dimmer will behave as a switch without the ability to dim.	Convert the dimmer to an on off switch. When enabled, the dimmer will behave as a switch without the ability to dim. All ramp rates will be set to instant ON/OFF and the brightness level will locked at 99%.
41	1	0~99	0	0 – last brightness level 1-99 (%)	Basic Set Custom Brightness On	Set custom brightness (or leave last brightness) for Basic Set ON commands when the ZEN35 is triggered by another device in direct association.	Set the custom brightness level (or leave the last brightness level) for for Basic Set ON commands when the ZEN35 is triggered by another device in direct association.