ZOOZ smart move

Z-WAVE PLUS LR FC

www.getzooz.com
ask@getzooz.com
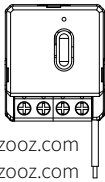
REGISTER your device within 30 days for extended warranty and more perks: **www.getzooz.com/register**

FEATURES

- Manual or Z-Wave® on/off control with instant status updates
- Great for automating lights and loads up to 5A
- Installs behind your existing wall switch (single pole or 3-way)
- **Z-Wave® Long Range** for a next-level wireless network
- Remembers and restores on/off status after power failure
- Works with LED and incandescent bulbs
- **800 series Z-Wave®** and S2 SmartStart Security

SPECIFICATIONS

- Model Number: ZEN57 800LR
- Power: 100-240V~, 50/60Hz
- **Maximum Load:** 5A resistive (120V: 500W incandescent, 150W LED bulbs / 240V: 1000W incandescent, 300W LED bulbs)
- Range: Up to 300 feet line of sight (up to 1300 feet with ZWLR)
- Operating Temperature: 32-104° F (0-40° C)
- Installation and Use: Indoor only
- Dimensions: 1.2" x 1" x 0.6"

⚠ CAUTION

This is an electrical device - please use caution when installing and operating the relay. 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 relay 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: don't exceed 150W for LED's, 500W for incandescent, or 5 A for resistive loads, **DO NOT** CONNECT THIS RELAY TO SWITCHED RECEPTACLES.

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. DISCONNECT THE OLD SWITCH: remove the wires and label them accordingly.

5. CONNECT THE Z-WAVE RELAY: follow all installation steps carefully. Wire the relay EXACTLY like in the diagram.

ZEN57 WIRING DIAGRAM FOR SINGLE POLE INSTALLATION

1 Keep your existing wall switch connected to ground.

2 Connect the power source to the **L terminal** on the ZEN57 and the load wire to **OUT terminal**. **Load and line CAN'T be swapped so make sure you identified them correctly!**

3 Connect the **neutral** wires to the **N terminals** (or run a jumper).

4 Connect the wall **switch terminals** to the **yellow and brown S pigtails** on the ZEN57 relay.

OUT L N S

POWER LINE ➡
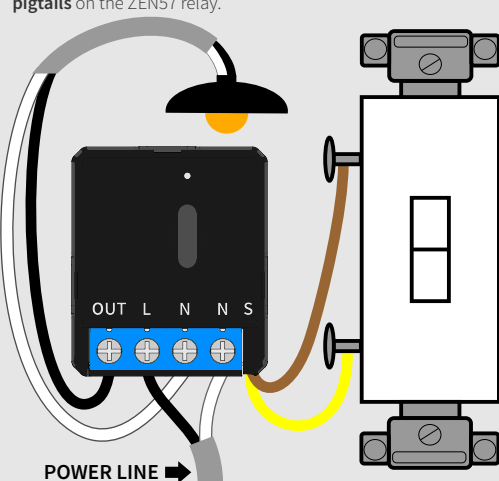
ON/OFF SWITCHES ONLY ⚠

Do not connect the Z-Wave® relay to a wall dimmer, illuminated switch, or an electronic add-on switch. The ZEN57 relay can only be wired with mechanical on/off or momentary switches in single pole, 3-way, or 4-way settings!

NEED MORE DIAGRAMS?
Scan the QR code for 3-way wiring diagrams and more installation tips.

QUESTIONS?
ask@getzooz.com

COMPLETE INSTALLATION

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

TEST THE RELAY

The LED indicator should start blinking green when you turn the power back on. Toggle the switch connected to the relay to check if the load changes state. **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 relay 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 relay 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.

There are 2 methods to ADD THE RELAY TO YOUR HUB:

SmartStart: use the hub UI / app to scan the SmartStart code on the device. The SmartStart QR code / security PIN is located on the back of the relay. Simply power the device for SmartStart inclusion, it will be added automatically. Do NOT press the Z-Wave® button. For SmartThings, you may need to tap the Z-Wave® button 3 times. See below for QR codes to hub-specific instructions.

Manual inclusion: initiate inclusion (pairing) in the app or hub UI. Make sure the device is powered and finalize the inclusion at the relay: tap the Z-Wave® button on the relay 3 times quickly.

The LED indicator will blink green to signal communication and turn green for 2 seconds if inclusion is successful or turn red for 2 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. Get more at www.support.getzooz.com

Z-Box Hub   **Home Assistant**   **SmartThings**

TROUBLESHOOTING

The relay won't add to your system? Try this:
1. Start **EXCLUSION** and click the Z-Wave® button 3 times quickly.
2. Click the Z-Wave® button **3 times as quickly as possible** to add.
3. Bring the hub **closer** to the relay, it may be out of range.
4. Get more tips for your hub at **www.support.getzooz.com**

The relay won't control the load manually anymore? Try this:
1. Turn power off at the breaker and check if a wire didn't get loose.
2. Exclude the relay from the hub or **reset** it.
3. The load may be incompatible, try a single incandescent bulb.

EXCLUSION (REMOVING / UNPAIRING DEVICE)

1. Bring your Z-Wave® gateway (hub) close to the relay if possible
2. Put the Z-Wave® hub into **exclusion mode**
3. Click the **Z-Wave® button** on the relay **3 times quickly** (the LED indicator will start blinking green)
4. Your hub will confirm exclusion, the LED indicator on the relay will turn green for 2 seconds, and the device will be removed.

FACTORY RESET

If your primary controller is missing or inoperable, you may need to reset the device to factory settings. To reset the relay, **click the Z-Wave® button once and immediately after, press and hold the button for 15 seconds**. The LED indicator will flash during the process and turn red for 3 seconds to confirm successful reset.
NOTE: All previously recorded activity and custom settings will be erased from the device's memory.

ADVANCED SETTINGS

Here is a selection of settings available to customize your relay. **Scan the QR code for a full list of parameters** and look below for how to access them on your hub.
• **Timer** to automatically turn the relay on or off after a set period of time
• **Smart Bulb Mode** (disable the relay)
• External switch type
• On/off status after **power failure**

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 relay on your hub.

Z-Box Hub   **Home Assistant**   **SmartThings**

ASSOCIATION

This relay supports Group 1 with up to 5 devices for Lifeline Group communication, Group 2 with up to 5 devices, and Group 3 for up to 5 devices. This device will send BASIC REPORT and SWITCH BINARY REPORT to Group 1 and BASIC SET command to group 2 and group 3 (for EP2) when the status changes.
You can set direct association to have the relay control another Z-Wave® device independently of the hub by using Group 2 or Group 3 (for EP2 if parameter 5 is set to value 10). Not every hub exposes direct association settings in the UI so please check with your system provider for details or contact our support for help.

S2

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.

WARRANTY

This product is covered under a 12-month limited warranty and a 5-year extended warranty if registered within 30 days of purchase. To read the full warranty policy or file a warranty claim, please go to www.getzooz.com/warranty

Parameter no.	Size (bytes)	Range	Default value	Values	Label	Short Description	Full Description
1	1	0/1	1	0 – LED always off 1 – LED on when load on, LED off when load off	LED Indicator	Choose if you want the LED to indicate the on/off status of the load or if you want it to remain on or off at all times.	Choose if you want the LED to indicate the on/off status of the load or if you want it to remain on or off at all times.
2	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 relay after power failure.	Set the on off status for the relay after power failure.
3	1	0/1	1	0 – Binary Switch reports for Z-Wave control and Basic Reports for wall switch control 1 – Binary Switch reports for both Z-Wave and wall switch control	Status Report Type	Choose physical (wall switch) and Z-Wave triggers for the relay to send a status change report to the hub. See manual for details.	Choose physical (wall switch) and Z-Wave triggers for the relay to send a status change report to the hub. Values: 0 – Binary Switch reports for Z-Wave control and Basic Reports for wall switch control 1 – Binary Switch reports for both Z-Wave and wall switch control
4	1	0/1	1	0 – scene control disabled 1 – scene control enabled	Scene Control	Enable or disable scene control functionality for quick double tap triggers.	Enable or disable scene control functionality for quick double tap triggers.
5	1	0-10	0	0 – automatic detection 1 – toggle switch (state changes whenever the switch is toggled) 2 – momentary push button 3 – toggle switch (light on when the switch is toggled up, light off when the switch is toggled down) 4 – leak alarm (water sensor) 5 – heat alarm 6 – motion alert 7 – open/close alert (door sensor) 8 – CO alarm 9 – CO2 alarm 10 – on/off report (dry contact switch/sensor)	Input Type	Choose the wall switch or input type you want to connect to the relay. See manual for details.	Choose the wall switch or input type you want to connect to the relay. 0 – automatic detection 1 – toggle switch (state changes whenever the switch is toggled) 2 – momentary push button 3 – toggle switch (light on when the switch is toggled up, light off when the switch is toggled down) 4 – leak alarm (water sensor) 5 – heat alarm 6 – motion alert 7 – open/close alert (door sensor) 8 – CO alarm 9 – CO2 alarm 10 – on/off report (dry contact switch/sensor) IMPORTANT: If you set this parameter to value 4-10, you'll need to exclude and re-include the device (without changing any settings) so that a child device is created for the input of your choice!
6	1	0/1	1	0 – Disable inclusion from switch 1 – Enable inclusion from switch	Inclusion From Switch	Enable (1) or disable (0) ZEN57 inclusion/exclusion via 3 quick toggles (up-down sequences) of the connected wall switch.	Enable or disable the ability to put the ZEN57 into inclusion / exclusion mode from the connected wall switch by toggling it 3 times quickly. Each toggle is an up-down sequence. Values: 0 – Disable inclusion from switch 1 – Enable inclusion from switch
7	4	0~2678400	0	0 – Timer disabled 1-2678400 (seconds)	Auto Turn-Off Timer	Auto-off timer will automatically turn the relay off after x seconds 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 relay to automatically turn off once it has been turned on). Auto-off timer will automatically turn the relay off after x seconds once it has been turned on.
8	4	0~2678400	0	0 – Timer disabled 1-2678400 (seconds)	Auto Turn-On Timer	Auto-on timer will automatically turn the relay on after x seconds 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 relay to automatically turn on once it has been turned off). Auto-on timer will automatically turn the relay on after x seconds once it has been turned off.

9	1	0/1/2	1	0 – Disable control from switch and button 1 – Enable switch, button, and Z-Wave control 2 – Disable switch, button, and Z-Wave control	Relay Control (Smart Bulb Mode)	Enable or disable physical and Z-Wave on/off control. Disable both (value 2) for smart bulbs.	Enable or disable physical and Z-Wave on/off control. Disable both physical switch / button and Z-Wave control for smart bulbs (use central scene triggers). Scene control and other functionality will still be available from the connected wall switch. Values: 0 – Disable control from switch and button 1 – Enable switch, button, and Z-Wave control 2 – Disable switch, button, and Z-Wave control (the relay will still reports on/off status to the hub when the connected switch is physically toggled, the button on the relay is pressed, or the Z-Wave on/off command is sent but it will not actually control the connected load)
10	1	0/1	0	0 – NO (normally open) 1 – NC (normally closed)	Relay Type (NO/NC)	Set the relay to act as normally closed (1). Expert users only. See manual for details.	Choose if you'd like the relay to act as a normally open (on when the circuit is closed, off when the circuit it open), or a normally closed relay (off when the circuit is closed, on when the circuit it open). Values: 0 – NO (normally open) 1 – NC (normally closed)
11	1	0/1	0	0 – Input trigger enabled 1 – Input trigger disabled	Input Trigger	Choose whether the input (wall switch) on the ZEN57 triggers the output (load) or just sends input reports for monitoring, keeping output separate.	Choose if you'd like the connected input (wall switch or other type of input) to trigger the load connected to the relay or if you want to use the input reports for monitoring only and separate the output from the input.
12	1	0/1	1	0 – multi-tap for scene control disabled 1 – multi-tap for scene control enabled	Scene Control Multi-Tap	Disable multi-tap scene control so that only single taps from the connected wall switch report via central scene.	Disable multi-tap scene control so that only single taps from the connected wall switch report via central scene. Once this functionality is disabled, double taps, held, released, 3-tap, 4-tap, and 5-tap events will be ignored and won't be reported to the hub. The inclusion and exclusion 3-toggle functionality from the external switch will also be disabled.
13	1	0/1	0	0 – values reported as normally open, not reversed 1 – input values reversed	Reversed Reports For Input	Reverse the reported values for your selected input type (value 1). Expert users only. See manual for details.	Reverse the reported values for your selected input type (value 1). Expert users only. See manual for details. NOTE: This will not affect the relay behavior if you leave the input linked to the output (parameter 11). It will still trigger the relay to turn on when the circuit is closed, regardless of the reported value. This setting only affects the reports displayed in the hub for the input and does not affect the relay (output) behavior.

COMMAND CLASSES:
COMMAND_CLASS_WAVEPLUS_INFO_V2
COMMAND_CLASS_TRANSPORT_SERVICE_V2
COMMAND_CLASS_SECURITY_2_V1
COMMAND_CLASS_SUPERVISION_V1
COMMAND_CLASS_APPLICATION_STATUS_V1
COMMAND_CLASS_BASIC_V2
COMMAND_CLASS_SWITCH_BINARY_V2
COMMAND_CLASS_CONFIGURATION_V4
COMMAND_CLASS_ASSOCIATION_V2
COMMAND_CLASS_ASSOCIATION_GRP_INFO_V3
COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V3
COMMAND_CLASS_VERSION_V3
COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1
COMMAND_CLASS_POWERLEVEL_V1
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V5
COMMAND_CLASS_CENTRAL_SCENE_V3
COMMAND_CLASS_INDICATOR_V3