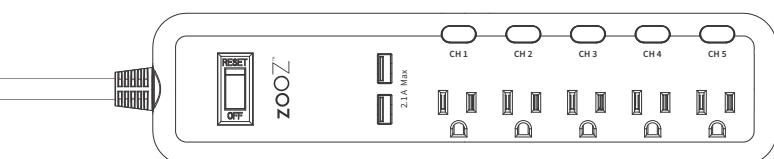


## USER MANUAL

**zooz**<sup>™</sup>  
bright ideas

### POWER STRIP ZEN20 800LR



Scan to register your product for extended warranty and more perks.



[www.getzooz.com](http://www.getzooz.com)  
[ask@getzooz.com](mailto:ask@getzooz.com)

## FEATURES

- Z-Wave® on/off control of up to 5 electrical devices
- On/off (charging/charged) reports from USB ports to the hub (no Z-Wave® control) - turn **off** the charging device for best results
- Energy monitoring for each of the 5 outlets
- **NEW:** 800 series Z-Wave® chip for better range and faster control
- **Z-Wave® Long Range** for ultra reliable no-mesh communication
- Built-in overload protection and ETL certification
- S2 Security and SmartStart for quicker and more secure set-up

## SPECIFICATIONS

- Model Number: ZEN20 800LR
- Z-Wave® Region: US / CA / MX
- Power: 120 VAC
- Maximum Load: 15 A total (between 5 outlets)
- Maximum Load for USB ports: 2.1 A total (between 2 ports)
- Cord Length: 2 feet
- Range: Up to 150 feet line of sight (or up to 1300 ft with Long Range)
- Installation and Use: Indoor only



## CAUTION

This is an electrical device - please use caution when installing and operating the power strip. 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.

## INSTALLATION

Plug the Power Strip into any standard grounded 110 V receptacle. Do NOT connect any devices to the strip at this point. Turn the power switch on (the RESET side) and click each of the channels control buttons to see if the LED indicators come on and off. If the LED indicators don't light up at all, please try a different receptacle. If they're still off, please make sure the power switch is on. If the problem persists, please get in touch with our support team: [ask@getzooz.com](mailto:ask@getzooz.com)



## BEFORE YOU PLUG ANYTHING IN

**Make sure the load you are about to connect does NOT exceed 15 A in power.** This Power Strip can hold up to 15 A in total. It means that the power of all appliances connected to your ZEN20 at a given time can NOT exceed 15 A. It doesn't matter if this is just one device connected to one of the outlets or 5 small appliances plugged into all of the Strip's outlets.

**Connecting heavy duty equipment to this Power Strip will DAMAGE the device and may cause the connected appliance to malfunction. Do NOT plug washers, dryers, refrigerators, or motors over 1/3 hp to any of the outlets on the Power Strip.**



Not sure if your equipment can be safely controlled by the Power Strip?  
Just ask: [ask@getzooz.com](mailto:ask@getzooz.com)

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.

## 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 Power Strip 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.

## WARRANTY

This product is covered under a 12-month limited warranty or extended 5-year warranty once registered. To read the full warranty policy or file a warranty claim, please go to [www.getzooz.com/warranty](http://www.getzooz.com/warranty)

## Z-WAVE® CONTROL

1. Plug the Power Strip into a grounded receptacle you're planning to use it at (it doesn't need to be close to the hub)

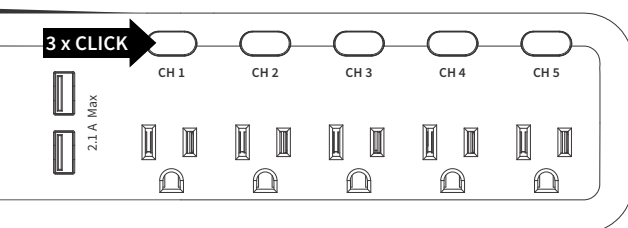
### 2. ADD DEVICE to your hub



Initiate inclusion (pairing) in the app (or web interface). Not sure how? Scan one of the QR codes on the product packaging or visit our Support Portal for hub specific instructions: [www.support.getzooz.com](http://www.support.getzooz.com)

3. Finalize inclusion at the strip.

Scan the QR code on the back of the device if your hub supports SmartStart inclusion. **Click the CH 1 button 3 times quickly to activate the device.** All LED indicators will start flashing.



NEED SOME HELP?  
[ask@getzooz.com](mailto:ask@getzooz.com)

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.

4. You will see 7 or 8 new on/off devices in your app: 5 channels for on/off control, 2 channels for on/off monitoring (USB ports reporting charging/charged status, no control), and possibly one master node to access and adjust advanced settings in, depending on the hub you're using.

## TROUBLESHOOTING

### The Power Strip won't add to your system? Try this:

1. Initiate **EXCLUSION** and click the CH1 button 3 times quickly.
2. Click the CH1 button **4-5 times quickly** when adding it.
3. Bring the Power Strip **closer** to your hub, it may be out of range.
4. Double-check if the device is powered.
5. Get troubleshooting tips for your hub at [www.support.getzooz.com](http://www.support.getzooz.com)

### EXCLUSION (REMOVING / UNPAIRING DEVICE)

1. Bring the strip within direct range of your Z-Wave® gateway (hub).
2. Put the Z-Wave® hub into exclusion mode (not sure how to do that? [ask@getzooz.com](mailto:ask@getzooz.com)).
3. Press and release the CH1 button 3 times quickly.
4. Your hub will confirm exclusion and all of the channels (child outlets) and the main 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 complete the reset process manually, **click-click-click'n'hold CH1 button** for at least 10 seconds. All LED indicators will flash to confirm successful reset.

**NOTE: All previously recorded activity and custom settings EXCEPT for the kWh record will be erased from the device's memory.**

## KWH RESET

If you'd like to reset the kWh record for any of the outlets, just click the CH button next to the respective outlet **10 times** very quickly. Network exclusion or factory reset will NOT automatically erase the kWh data.

## ADVANCED SETTINGS

Please refer to your controller's user guide for advanced programming instructions as they are a little different for every software.

**Not sure where to start? Go to [www.support.getzooz.com](http://www.support.getzooz.com) for detailed instructions how to change the settings on SmartThings, Hubitat, Z-Box Hub, and more.** Or just email us: [ask@getzooz.com](mailto:ask@getzooz.com)

## ASSOCIATION

The Power Strip supports Group 1 for Lifeline communication of on/off status to the Z-Wave® gateway controller (hub).

## CUSTOMIZE YOUR POWER STRIP

You can adjust the frequency and threshold for power monitoring or change how the buttons and LED indicators behave on your Power Strip. Scan the QR code for a full list of parameters for this device and learn how to access them on your hub.



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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
- Consult the dealer or an experienced radio/TV technician for additional assistance

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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
- Notification V8
- Meter V5
- Switch Binary V2
- Multi Channel V4

BASIC SET MAPPING

Basic CC is mapped to Switch Binary Command Class:  
Basic set endpoint 0 is mapped to binary switch set EP1~EP5  
Basic set endpoint 1 is mapped to binary switch set EP1  
Basic set endpoint 2 is mapped to binary switch set EP2  
Basic set endpoint 3 is mapped to binary switch set EP3  
Basic set endpoint 4 is mapped to binary switch set EP4  
Basic set endpoint 5 is mapped to binary switch set EP5  
Basic set endpoint 6 is mapped to binary switch set EP6  
Basic set endpoint 7 is mapped to binary switch set Ep7

NOTIFICATION

Type: Power Management(0x08) Event: Over Current Detected(0x06)

CONFIGURATION

Number	Name	Information	Format / Size	Read Only	Altering	Advanced	MIN	MAX	Default
1	Status recover	On/Off status recovery after power failure.	1 byte unsigned Integer	NO	NO	NO	0	2	0
2	Wattage report threshold	Power wattage report value threshold.	4 bytes unsigned Integer	NO	NO	NO	0	65535	5
3	Wattage report interval	Seconds for wattage report frequency.	4 bytes unsigned Integer	NO	NO	NO	0	2678400	180
4	Energy report interval	Seconds for energy report frequency.	4 bytes unsigned Integer	NO	NO	NO	0	2678400	300
5	Overload protection threshold	Watt value for overload protection.	2 byte unsigned Integer	NO	NO	NO	0	1500	1500
6	EP1 auto turn off time enable	Enable or disable EP1 auto turn off timer.	1 bytes unsigned Integer	NO	NO	NO	0	1	0
7	EP1 auto turn off minutes	Minutes of EP1 turn off timer.	4 byte unsigned Integer	NO	NO	NO	1	65535	60
8	EP1 auto turn on time enable	Enable or disable EP1 auto turn on timer.	1 byte unsigned Integer	NO	NO	NO	0	1	0
9	EP1 auto turn on minutes	Minutes of EP1 turn on timer.	4 byte unsigned Integer	NO	NO	NO	1	65535	60
10	EP2 auto turn off time enable	Enable or disable EP2 auto turn off timer.	1 byte unsigned Integer	NO	NO	NO	0	1	0
11	EP2 auto turn off minutes	Minutes of EP2 turn off timer.	4 byte unsigned Integer	NO	NO	NO	1	65535	60
12	EP2 auto turn on time enable	Enable or disable EP2 auto turn on timer.	1 bytes unsigned Integer	NO	NO	NO	0	1	0
13	EP2 auto turn on minutes	Minutes of EP2 turn on timer.	4 byte unsigned Integer	NO	NO	NO	1	65535	60
14	EP3 auto turn off time enable	Enable or disable EP3 auto turn off timer.	1 bytes unsigned Integer	NO	NO	NO	0	1	0
15	EP3 auto turn off minutes	Minutes of EP3 turn off timer.	4 byte unsigned Integer	NO	NO	NO	1	65535	60
16	EP3 auto turn on time enable	Enable or disable EP3 auto turn on timer.	1 bytes unsigned Integer	NO	NO	NO	0	1	0
17	EP3 auto turn on minutes	Minutes of EP3 turn on timer.	4 byte unsigned Integer	NO	NO	NO	1	65535	60
18	EP4 auto turn off time enable	Enable or disable EP4 auto turn off timer.	1 bytes unsigned Integer	NO	NO	NO	0	1	0
19	EP4 auto turn off minutes	Minutes of EP4 turn off timer.	4 byte unsigned Integer	NO	NO	NO	1	65535	60

Number	Name	Information	Format / Size	Read Only	Altering	Advanced	MIN	MAX	Default
20	EP4 auto turn on time enable	Enable or disable EP4 auto turn on timer.	1 bytes unsigned Integer	NO	NO	NO	0	1	0
21	EP4 auto turn on minutes	Minutes of EP4 turn on timer.	4 byte unsigned Integer	NO	NO	NO	1	65535	60
22	EP5 auto turn off time enable	Enable or disable EP5 auto turn off timer.	1 bytes unsigned Integer	NO	NO	NO	0	1	0
23	EP5 auto turn off minutes	Minutes of EP5 turn off timer.	4 byte unsigned Integer	NO	NO	NO	1	65535	60
24	EP5 auto turn on time enable	Enable or disable EP5 auto turn on timer.	1 bytes unsigned Integer	NO	NO	NO	0	1	0
25	EP5 auto turn on minutes	Minutes of EP5 turn on timer.	4 byte unsigned Integer	NO	NO	NO	1	65535	60
26	Manual control output	Enable or disable output manually.	1 bytes unsigned Integer	NO	NO	NO	0	1	1
27	LED indicator	Behavior for Indicator.	1 bytes unsigned Integer	NO	NO	NO	0	2	1
28	All Wattage and Energy report	Enable or disable all wattage and energy report.	1 bytes unsigned Integer	NO	NO	NO	0	1	1
29	EP1 Wattage and Energy report	Enable or disable EP1 wattage and energy report.	1 bytes unsigned Integer	NO	NO	NO	0	1	1
30	EP2 Wattage and Energy report	Enable or disable EP2 wattage and energy report.	1 bytes unsigned Integer	NO	NO	NO	0	1	1
31	EP3 Wattage and Energy report	Enable or disable EP3 wattage and energy report.	1 bytes unsigned Integer	NO	NO	NO	0	1	1
32	EP4 Wattage and Energy report	Enable or disable EP4 wattage and energy report.	1 bytes unsigned Integer	NO	NO	NO	0	1	1
33	EP5 Wattage and Energy report	Enable or disable EP5 wattage and energy report.	1 bytes unsigned Integer	NO	NO	NO	0	1	1
34	USB switch report	Enable or disable USB switch report.	1 bytes unsigned Integer	NO	NO	NO	0	1	0
35	Current report interval	Seconds for current report.	4 bytes unsigned Integer	NO	NO	NO	0	2678400	0
36	Voltage report interval	Seconds for voltage report.	4 bytes unsigned Integer	NO	NO	NO	0	2678400	0
37	Current report threshold	Threshold for current report (x 0.1A).	1 bytes unsigned Integer	NO	NO	NO	0	50	0