



POWER STRIP
ZEN20 VER. 2.0



www.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
- Built-in overload protection and ETL certification
- Z-Wave Plus signal repeater to extend network range
- S2 security protocol and the latest 500 Z-Wave chip for faster and safer wireless communication

SPECIFICATIONS

- Model Number: ZEN20 VER. 2.0
- Z-Wave Signal Frequency: 908.42 MHz
- Power: 110 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 100 feet line of sight
- 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

⚡ 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.

X DON'T USE WITH	✓ OK. TO USE WITH
<ul style="list-style-type: none"> • Washers • Dryers • Refrigerators • Electric heaters • Fans • Pumps • Chargers • Routers 	<ul style="list-style-type: none"> • Floor Lamps • Tv's and Video • Computers • Game Consoles • Alarm Clocks • Printers • Speakers • Audio Players

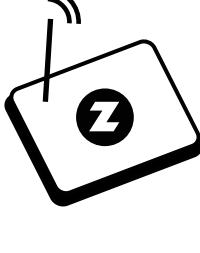
Not sure if your equipment can be safely controlled by the Power Strip? Just ask: ask@getzooz.com

! 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.

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)

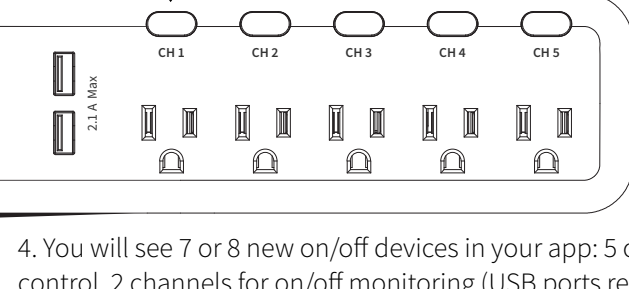


2. ADD DEVICE to your hub

Initiate inclusion (pairing) in the app (or web interface). Not sure how? Get step-by-step instructions for adding the strip to **SmartThings, Vera, Wink** and other hubs here: www.support.getzooz.com

3. Finalize inclusion at the strip.

CLICK CH1 BUTTON 3 TIMES QUICKLY All LED indicators will start flashing.



NEED SOME HELP?
ask@getzooz.com

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.

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

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).
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 will be erased from the device's memory.

WARRANTY

This product is covered under a 12-month limited warranty. To read the full warranty policy 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

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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 for detailed instructions how to change the settings on SmartThings, Vera, and more. Or just email us: 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

On/Off Status Recovery After Power Failure

Parameter 1: Choose the recovery state for your Power Strip's outlets if power outage occurs.

Values: 0 – Power Strip remembers the status for each outlet prior to power outage and turns back to it (default); 1 – Power Strip automatically turns ON for each outlet once power is restored (it does not remember the status prior to power outage); 2 – Power Strip automatically turns OFF each outlet once power is restored (it does not remember the status prior to power outage); **Size:** 1 byte dec.

Power Wattage Report Value Threshold

Parameter 2: Choose how you want your Power Strip to report power consumption to your hub. The number entered as value corresponds to the number of Watts the appliance needs to go over for the change to be reported. So if 5 Watts are entered by default, the smart plug will report any change in power usage over 5 Watts for each outlet (whether it's at least 5 Watts more or 5 Watts less compared to previous report).

Values: 0 – 65535. 0 – disabled (Strip will not report power consumption based on this setting). Default set to 5. **Size:** 2 byte dec.

Power Wattage Report Frequency

Parameter 3: The number entered as value corresponds to the number of seconds. So if 30 is entered by default, the Strip will report power consumption (Wattage) every 30 seconds.

Values: 5 – 2678400. Default set to 30. **Size:** 4 byte dec.

Energy (kWh) Report Frequency

Parameter 4: Choose how often you want your Power Strip to report power consumption (W) to your controller (hub). The number entered as value corresponds to the number of seconds. So if 300 is entered by default, the power strip will report energy usage every 300 seconds (5 minutes).

Values: 5 – 2678400. Default set to 300. **Size:** 4 byte dec.

Overload Protection

Parameter 5: Set the Watt level for overload protection to kick in. The number entered as the value corresponds to the total number of Watts the Strip needs to detect across all 5 outlets to turn off automatically and send a notification to the hub.

Values: 0 – 1500 (Watts). 0 - overload protection disabled (we DON'T recommend changing to this setting). Default set to 1500 Watts.

Size: 2 byte dec.

Auto Turn-Off Timer

Parameter 6: Use this parameter to enable or disable the auto **turn-off** timer for **CH1** outlet. If this feature is enabled, the device connected to CH1 outlet will automatically turn off after a fixed period of time from being turned on (set in parameter 7).

Values: 0 – timer disabled (default); 1 – timer enabled; **Size:** 1 byte dec.

Parameter 7: Use this parameter to set the time after which you want the device connected to **CH1** outlet to automatically turn off once it has been turned on. The number entered as value corresponds to the number of minutes.

Values: 1 – 65535 (minutes). Default set to 60 (minutes). **Size:** 4 byte dec.

Parameter 10: Enable or disable the auto **turn-off** timer for **CH2** outlet.

Values: 0 – timer disabled (default); 1 – timer enabled; **Size:** 1 byte dec.

Parameter 11: Set the time after which you want the device connected to **CH2** outlet to automatically turn off once it has been turned on.

Values: 1 – 65535 (minutes). Default set to 60 (minutes). **Size:** 4 byte dec.

Parameter 14: Enable or disable the auto **turn-off** timer for **CH3** outlet.

Values: 0 – timer disabled (default); 1 – timer enabled; **Size:** 1 byte dec.

Parameter 15: Set the time after which you want the device connected to **CH3** outlet to automatically turn off once it has been turned on.

Values: 1 – 65535 (minutes). Default set to 60 (minutes). **Size:** 4 byte dec.

Parameter 18: Enable or disable the auto **turn-off** timer for **CH4** outlet.

Values: 0 – timer disabled (default); 1 – timer enabled; **Size:** 1 byte dec.

Parameter 19: Set the time after which you want the device connected to **CH4** outlet to automatically turn off once it has been turned on.

Values: 1 – 65535 (minutes). Default set to 60 (minutes). **Size:** 4 byte dec.

Parameter 22: Enable or disable the auto **turn-off** timer for **CH5** outlet.

Values: 0 – timer disabled (default); 1 – timer enabled; **Size:** 1 byte dec.

Parameter 23: Set the time after which you want the device connected to **CH5** outlet to automatically turn off once it has been turned on.

Values: 1 – 65535 (minutes). Default set to 60 (minutes). **Size:** 4 byte dec.

Auto Turn-On Timer

Parameter 8: Use this parameter to enable or disable the auto **turn-on** timer for **CH1** outlet. If this feature is enabled, the device connected to CH1 outlet will automatically turn on after a fixed period of time from being turned off (set in parameter 9).

Values: 0 – timer disabled (default); 1 – timer enabled; **Size:** 1 byte dec.

Parameter 9: Use this parameter to set the time after which you want the device connected to **CH1** outlet to automatically turn on once it has been turned off. The number entered as value corresponds to the number of minutes.

Values: 1 – 65535 (minutes). Default set to 60 (minutes). **Size:** 4 byte dec.

Parameter 12: Enable or disable the auto **turn-on** timer for **CH2** outlet.

Values: 0 – timer disabled (default); 1 – timer enabled; **Size:** 1 byte dec.

Parameter 13: Set the time after which you want the device connected to **CH2** outlet to automatically turn on once it has been turned off.

Values: 1 – 65535 (minutes). Default set to 60 (minutes). **Size:** 4 byte dec.

Parameter 16: Enable or disable the auto **turn-on** timer for **CH3** outlet.

Values: 0 – timer disabled (default); 1 – timer enabled; **Size:** 1 byte dec.

Parameter 17: Set the time after which you want the device connected to **CH3** outlet to automatically turn on once it has been turned off.

Values: 1 – 65535 (minutes). Default set to 60 (minutes). **Size:** 4 byte dec.

Parameter 20: Enable or disable the auto **turn-on** timer for **CH4** outlet.

Values: 0 – timer disabled (default); 1 – timer enabled; **Size:** 1 byte dec.

Parameter 21: Set the time after which you want the device connected to **CH4** outlet to automatically turn on once it has been turned off.

Values: 1 – 65535 (minutes). Default set to 60 (minutes). **Size:** 4 byte dec.

Parameter 24: Enable or disable the auto **turn-on** timer for **CH5** outlet.

Values: 0 – timer disabled (default); 1 – timer enabled; **Size:** 1 byte dec.

Parameter 25: Set the time after which you want the device connected to **CH5** outlet to automatically turn on once it has been turned off.

Values: 1 – 65535 (minutes). Default set to 60 (minutes). **Size:** 4 byte dec.

Manual Control

Parameter 26: Choose if you want to use the physical buttons on Strip to turn the outlets on or off manually or if you want to disable this function. If this parameter is set to 0 (disabled), you will only be able to turn any of the outlets on or off remotely using your Z-Wave gateway controller.

Values: 0 – manual control disabled for all outlets; 1 – manual control enabled for all outlets (default). **Size:** 1 byte dec.

You can also disable/enable manual control from all outlets by performing the following sequence on any of the channel buttons:
click-click-click-click'n-hold for at least 10 seconds.

All LED indicators will flash to confirm the setting change.

LED Indicator Mode

Parameter 27: Choose if you want the LED indicators next to each outlet to come on when power is on or off, or if you want to disable the LED lights.

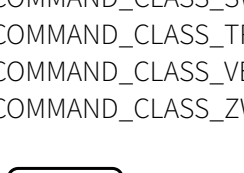
Values: 0 – LED indicator is on when power is on and off when power is off (default); 1 – LED indicator is on when power is on and off when power is off (default); 2 – LED indicator is always off, regardless of power status.

Size: 1 byte dec.

You can also switch between the LED indicator modes by **clicking the CH1 button 6 times quickly**. All LED indicators will flash to confirm the setting change.

This device requires the following **command classes** to be supported and recognized by your Z-Wave controller:

```
COMMAND_CLASS_ASSOCIATION_GRP_INFO
COMMAND_CLASS_ASSOCIATION
COMMAND_CLASS_CONFIGURATION
COMMAND_CLASS_DEVICE_RESET_LOCALLY
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2
COMMAND_CLASS_MANUFACTURER_SPECIFIC
COMMAND_CLASS_METER_V4
COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V2
COMMAND_CLASS_MULTI_CHANNEL_V4
COMMAND_CLASS_NOTIFICATION_V8
COMMAND_CLASS_POWERLEVEL
COMMAND_CLASS_SECURITY_2
COMMAND_CLASS_SUPERVISION
COMMAND_CLASS_SWITCH_BINARY
COMMAND_CLASS_TRANSPORT_SERVICE_V2
COMMAND_CLASS_VERSION
COMMAND_CLASS_ZWAVEPLUS_INFO
```



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.

Questions? ask@getzooz.com