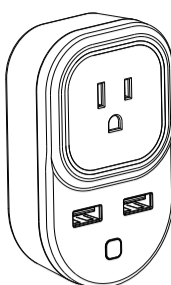# ZOOZ™
bright ideas

SMART PLUG
ZEN06 VER. 2.0

www.getzooz.com

FEATURES

- Z-Wave on/off control of lamps and small appliances
- Energy monitoring live and over time
- Smart LED: shows power use and signal strength
- AES signal encryption for safer communication
- Z-Wave Plus signal repeater to extend network range
- 2 USB charging ports (no Z-Wave functionality)
- Built-in overload protection and ETL certification

SPECIFICATIONS

- Model Number: ZEN06 VER. 2.0
- Z-Wave Signal Frequency: 908.42 MHz
- Power: 110 VAC, 60 Hz
- Maximum Load: 15 A, 1800 W
- USB Charging Port Power: 1 A and 2.4 A
- Operating Temperature: 14 – 104 F
- Range: Up to 130 feet line of sight
- Installation and Use: Indoor only
- Dimensions: 4" x 2.5" x 1.2"
- Weight: 7oz

⚠ CAUTION

This is an electrical device - please use caution when installing and operating the smart plug. 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 Smart Plug into any standard grounded 110 V receptacle. Do NOT connect any devices to the plug at this point. Click the Z-Wave button to see if the LED indicators come on and off. If the LED indicator doesn't light up at all, please try a different receptacle. If it's still off, 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 Smart Plug can hold up to 15 A in total.
Connecting heavy duty equipment to this Smart Plug will DAMAGE the device and may cause the connected appliance to malfunction.

✗ DON'T USE WITH	✓ OK. TO USE WITH
• Washers	• Floor Lamps
• Dryers	• Tv's and Video
• Refrigerators	• Computers
• Electric heaters	• Game Consoles
• Fans	• Alarm Clocks
• Pumps	• Printers
• Chargers	• Speakers
• Routers	• Audio Players

⚠ 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 Smart Plug 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.

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1. 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 plug to **SmartThings, Vera, Wink** and other hubs here: www.support.getzooz.com

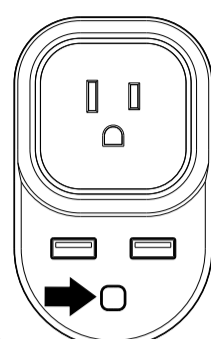### 2. PLUG the ZEN06 into a receptacle

The LED indicator will start flashing and the plug will join the network automatically.

MANUAL INCLUSION

Put your Z-Wave hub into inclusion and click the Z-Wave Button 3 times quickly.

SECURE INCLUSION

Put your Z-Wave hub into secure inclusion, then press and HOLD the Z-Wave Button for at least 3 seconds.

TROUBLESHOOTING

The Smart Plug won't add to your system? Try this:
1. Initiate **EXCLUSION** and click the Z-Wave button 3 times quickly.
2. Click the Z-Wave button **4-5 times quickly** when adding it or try adding it in a **non-secure** mode.
3. Bring the Smart Plug **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 Plug 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 **Z-Wave button 3 times** quickly.
4. Your hub will confirm exclusion and the Plug will disappear from your controller's device list.

FACTORY RESET

When your network's primary controller is missing or otherwise inoperable, you may need to reset the device to factory settings manually. In order to complete the process, plug the smart plug into a grounded receptacle, then **PRESS AND HOLD the Z-Wave button for AT LEAST 20 SECONDS.** The LED indicator will stay solid yellow for 2 seconds to indicate successful reset. The plug will then automatically turn off.
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 ww.getzooz.com/warranty

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

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 Plug supports Group 1 with up to 5 devices for lifeline communication. This device will send BASIC REPORT to Group 1 when operatedly manually.

CUSTOMIZE YOUR SMART PLUG

LED Indicator Mode
Parameter 27: You can choose how the LED indicator displays power consumption on the smart plug and when it's on or off.
Values: 0 – LED indicator will display power consumption whenever the device is plugged in (LED stays on at all times, even if the plug is off); 1 – LED indicator will display power consumption whenever the device is ON in and will turn off when the plug is OFF (default); 2 – LED indicator will display the level of power consumption for 5 seconds only whenever the device is turned on or off (LED indicator will stay off for most of the time); 3 – LED indicator is OFF at all times except for inclusion, exclusion, and Z-Wave range test. Size: 1 byte dec. **OR:**

Click the Z-Wave button 6 times to change LED mode.

How to read LED indicator colors?
The LED indicator on your smart plug will visually report power use and network range.

Burgundy = Plug is off	Blue = 0 – 300 W
Cyan = 300 – 600 W	Green = 600 – 900 W
Yellow = 900 – 1200 W	Red = 1200 – 1500 W
Purple = 1500 – 1800 W	Purple blink = over 1800 W

How to test Z-Wave network range for my Smart Plug?
You can easily check if the Smart Plug is within your Z-Wave hub's range:
Press and hold the Z-Wave **button** for **6 to 9 seconds** until the LED indicator turns **violet.** The LED indicator will then report signal strength.
Flashing green = direct communication with the primary controller is established and still being diagnosed
Solid green for 2 seconds = direct communication with the primary controller is stable
Flashing orange = direct communication with the primary controller is intermittent and being diagnosed
Solid orange = communication quality is fair
Solid red = communication with the primary controller has failed
Press and release the Z-Wave **button** to **exit** testing mode.
NOTE: This function may only be activated once the Smart Plug has been included to a Z-Wave network.

Overload Protection
Parameter 20: Overload protection will turn the Smart Plug's relay off once voltage exceeds 16.5A for over 5 seconds when this setting is enabled. We **DO NOT** recommend changing this parameter's value as it may result in device damage and malfunction.
Values: 0 – Disabled; 1 – Enabled (default). Size: 1 byte dec.

On/Off Status Recovery After Power Failure
Parameter 21: Choose the recovery state for your Smart Plug if power outage occurs.
Values: 0 – Smart Plug remembers the status prior to power outage and turns back to it (default); 1 – Smart Plug automatically turns ON once power is restored (it does not remember the status prior to power outage); 2 – Smart Plug automatically turns OFF once power is restored (it does not remember the status prior to power outage); Size: 1 byte dec.

On/Off Status Change Notifications
Parameter 24: Your Smart Plug will automatically send a notification to the controller and other associated devices if its status changes from on to off or the other way round. Choose when you want it to send the report.
Values: 0 – disabled (it will not send status change notifications); 1 – sends notification if status is changed manually or remotely via Z-Wave (default); 2 – sends notification ONLY if status is changed manually by pressing and releasing the Z-Wave button on the Smart Plug; Size: 1 byte dec.

Power Wattage Report Value Threshold
Parameter 151: Choose how you want your Smart Plug 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 50 Watts are entered by default, the Smart Plug will report any change in power usage over 50 Watts (whether it's at least 50 Watts more or 50 Watts less compared to previous report).
Values: 0 – 65535. 0 – disabled (the plug will not report power consumption based on this setting). 50 – default setting. Size: 2 byte dec.

Power Report Percentage Threshold
Parameter 152: Choose how you want your Smart Plug to report power use to your hub and associated devices by percentage rate. The number entered as value corresponds to the percentage in power usage change the appliance needs to go over for the event to be reported. So if 10% is entered by default, the Smart Plug will report any change in power use over 10% (whether it's at least 10% more or 10% less power use compared to previous report).
Values: 0 – 255; 0 – disabled (it will not report power consumption based on percentage change); 10 – default setting. Size: 1 byte dec.

Power Report Frequency
Parameter 171: Choose how often you want your Smart Plug to report power consumption (W) to your controller and associated device. The number entered as value corresponds to the number of seconds. So if 30 is entered by default, the Smart Plug will report power consumption every 30 seconds.
Values: 5 – 2678400; 0 – disabled (it will not report power consumption); 30 – default setting. Size: 4 byte dec.

Energy Report Frequency
Parameter 172: Choose how often you want your Smart Plug to report energy usage (kWh) to your controller and associated device. The number entered as value corresponds to the number of seconds. So if 300 is entered by default, the Smart Plug will report energy usage every 300 seconds (5 minutes).
Values: 5 – 2678400; 0 – disabled (it will not report energy usage); 300 – default setting. Size: 4 byte dec.

Voltage Report Frequency
Parameter 173: Choose how often you want your Smart Plug to report voltage (V) to your controller and associated device. The number entered as value corresponds to the number of seconds.
Values: 5 – 2678400; 0 – disabled (it will not report voltage levels); 300 – default setting. Size: 4 byte dec.

Electricity Report Frequency
Parameter 174: Choose how often you want your Smart Plug to report levels of electrical current (A) to your controller and associated device. The number entered as value corresponds to the number of seconds.
Values: 5 – 2678400; 0 – disabled (it will not report electrical current levels); 300 – default setting. Size: 4 byte dec.

Manual Control
Parameter 30: Choose if you want to use the physical button on the Smart Plug to turn the outlet 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 the outlet on or off remotely using your Z-Wave gateway controller.
Values: 0 – manual control disabled; 1 – manual control enabled(default). Size: 1 byte dec.

This device requires the following **command classes** to be supported and recognized by your Z-Wave controller:
COMMAND_CLASS_ALLSWITCH
COMMAND_CLASS_ASSOCIATION
COMMAND_CLASS_ASSOCIATION_GROUP_INFORMATION
COMMAND_CLASS_BASIC
COMMAND_CLASS_CONFIGURATION
COMMAND_CLASS_DEVICE_RESET_LOCAL
COMMAND_CLASS_FIRMWARE_UPDATE_MD
COMMAND_CLASS_MANUFACTURER_SPECIFIC
COMMAND_CLASS_METER
COMMAND_CLASS_POWERLEVEL
COMMAND_CLASS_SCENE_ACTIVATION
COMMAND_CLASS_SCENE_ACTUATOR_CONFIGURATION
COMMAND_CLASS_SECURITY
COMMAND_CLASS_SWITCH_BINARY
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 is an ETL certified device. ETL, just like UL, is a Nationally Recognized Testing Laboratory. The ETL mark is proof of product compliance to North American safety standards.

Questions?
ask@getzooz.com