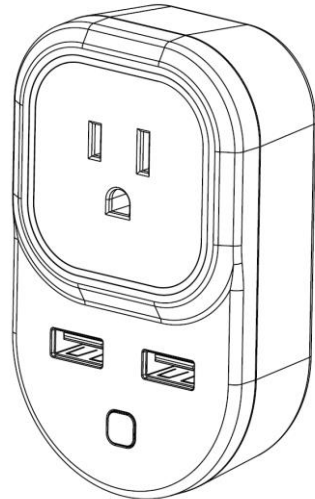


USER MANUAL

ZOOZ™
bright ideas

Z-WAVE SMART PLUG



ZEN06



Z-Wave Plus Certified Device



ETL us Certified

WELL DONE!

You have picked the finest solution for your smart home, congratulations!

Now it's time to enjoy these great features of your new Smart Plug:

- Wireless control of floor lamps and small appliances
- Energy monitoring in live mode or over time (your Z-Wave gateway needs to support this feature)
- Scene inclusion for custom automation scenarios when included to a Z-Wave gateway controller
- LED indicator displaying Z-Wave signal strength and power usage
- Security enabled Z-Wave device with AES signal encryption (requires a security enabled gateway controller for full functionality)
- Z-Wave Plus with improved 500 chip for faster and safer wireless communication
- Built-in range extender for a stronger, more reliable network
- 2 USB charging ports for your smart phone or tablet (no Z-Wave functionality)
- Built-in overload protection in Z-Wave outlet and USB ports

SPECIFICATIONS

Model Number: ZEN06

Z-Wave Signal Frequency: 908.42 MHz

Power: 110V, 60Hz
Maximum Load: 15A, 1800W
USB Charging Port Power: 1A and 2.4A
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

Z-WAVE COMMAND CLASSES

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

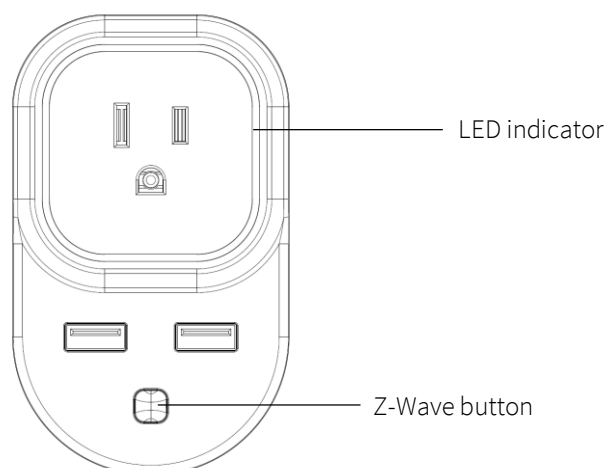
COMMAND_CLASS_ALLSWITCH
COMMAND_CLASS_ASSOCIATION
COMMAND_CLASS_ASSOCIATION_GROUP_INFORMATION
COMMAND_CLASS_BASIC
COMMAND_CLASS_CONFIGURATION
COMMAND_CLASS_DEVICE_RESET_LOCAL
COMMAND_CLASS_FIRMWARE_UPDATE_MD
COMMAND_CLASS_MANUFACTURER_SPECIFIC
COMMAND_CLASS_METER
COMMAND_CLASS_POWERLEVEL
COMMAND_CLASS_SCENE_ACTIVATION
COMMAND_CLASS_SCENE_ACTUATOR_CONFIGURATION
COMMAND_CLASS_SECURITY
COMMAND_CLASS_SWITCH_BINARY
COMMAND_CLASS_VERSION
COMMAND_CLASS_ZWAVEPLUS_INFO

BEFORE YOU RETURN IT

Let us know if you are having any issues installing or operating the device.
Our fast and friendly tech support is here to help every day of the year: ask@getzooz.com
Get more helpful tips at getzooz.com

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.



Plug the smart plug into any standard grounded 110V receptacle. Do NOT connect any devices to the plug at this point. Press and release the Z-Wave button and make sure the LED indicator goes on as well - this confirms the surge protector is active.

Q: I pressed the Z-Wave button but the LED did not light up. What should I do?

A: If you just purchased your device and the LED indicator never turned on, please try plugging the device into a different receptacle to verify it's not a grounding issue, and try pressing the Z-Wave button a few times quickly. If the LED still does not turn on, contact the reseller or Zooz directly: ask@getzooz.com

Use the Z-Wave button to turn the lamp or appliance on and off manually. The plug is off when the LED indicator is lit up in burgundy.

WAIT!

Make sure the load you are about to connect does not exceed 15A, ½ HP or 1800W in power.

Connecting heavy duty equipment to this smart plug will DAMAGE the device and may cause the connected appliance to malfunction.

DO NOT connect any of the following to this smart plug:

- Washer
- Dryer
- Refrigerator
- Electric heater
- Phone or battery chargers (use the USB ports instead)

You may safely use this smart plug with:

- Floor lamps
- TV's and Audio / Video Equipment
- Computers / PCs / Laptops
- Alarm Clocks

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

Z-WAVE INCLUSION

Auto Z-Wave Inclusion

1. Put your Z-Wave controller in inclusion mode
2. Plug the smart plug into a grounded receptacle located within 3 feet from your Z-Wave gateway controller
3. LED indicator will flash blue
4. A new on / off device should be recognized by your Z-Wave controller

Manual Z-Wave Inclusion

1. Plug the smart plug into a grounded receptacle located within 3 feet from your Z-Wave gateway controller
2. Put your Z-Wave controller in inclusion mode
3. Press and release the Z-Wave button 3 TIMES QUICKLY
4. LED indicator will flash blue

5. A new on / off device should be recognized by your Z-Wave controller

Secure Z-Wave Inclusion

1. Plug the smart plug into a grounded receptacle located within 3 feet from your Z-Wave gateway controller
2. Put your Z-Wave controller in **secure** inclusion mode
3. Press and **HOLD** the Z-Wave button for at least 3 seconds
4. LED indicator will flash green
5. LED indicator will turn solid green once the inclusion is completed. Please allow 5 minutes for configuration. **DO NOT** press any buttons or move the device during that time
6. A new secure on / off device should be recognized by your Z-Wave controller

Q: I have not been able to add the device to my network after several attempts. What do I do now?

A: If you are unable to include the Z-Wave smart plug to your controller, please try one of the following:

- Bring the smart plug closer to your Z-Wave controller
- Press and release the Z-Wave button quickly more than 3 times once you put the controller in the inclusion mode to ensure the command has gone through
- Put your controller in the EXCLUSION mode and press and release the Z-Wave button quickly 3 times, then try adding it to your network again
- If you are trying to include the device as a secure one, please make sure your controller supports AES signal encryption

Z-WAVE EXCLUSION

1. Plug the smart plug into a grounded receptacle located within 3 feet from your Z-Wave gateway controller
2. Put your Z-Wave controller in exclusion mode
3. Press and release the Z-Wave button 3 TIMES QUICKLY
4. LED indicator will flash orange
5. The smart plug should disappear from your controller's device list and LED indicator will remain solid orange for a few seconds to indicate exclusion

Please repeat the process following all steps carefully if the first attempt is unsuccessful

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. You may only reset your smart plug once it has been included to a Z-Wave network.

ASSOCIATION

Depending on your Z-Wave gateway's home automation software capabilities, you may be able to associate your smart plug in groups with other Z-Wave devices to schedule scenes and create events. This smart plug supports Group 1 with up to five devices for lifeline communication. This device will send BASIC REPORT to Group 1 when operated manually.

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

LED NOTIFICATIONS

LED indicator on your smart plug will visually report power consumption and network range.

How to read LED indicator colors?

Burgundy = Smart 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

LED Indicator Control

Parameter 27: You can choose how the LED indicator displays power consumption on the smart plug

Values: 0 – LED indicator will display power consumption whenever the device is plugged in (LED stays on at all times – default setting); 1 – 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)

Size: 1 byte dec.

How to test Z-Wave network range for my Smart Plug?

You can easily check if the Smart Plug is within your Z-Wave controller's range. Here is how:

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.

ADVANCED SETTINGS

If your controller's software allows for advanced configuration and parameter adjustment, you will be able to change and save the settings below and customize the Smart Plug's performance to serve your needs.

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 Report Value Threshold

Parameter 151: Choose how you want your Smart Plug to report power consumption to your controller and associated devices. 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 (it will not report power consumption based on value change); 50 – default setting

Size: 2 byte dec.

Power Report Percentage Threshold

Parameter 152: Choose how you want your Smart Plug to report power consumption to your controller 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 consumption over 10% (whether it's at least 10% more or 10% less power consumption 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 (default – it will not report voltage levels)

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 (default – it will not report electrical current levels)

Size: 4 byte dec.

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

Z-WAVE PLUS CERTIFIED

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.

ETL CERTIFIED

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.

WARRANTY

This Limited Warranty applies to physical goods, and only for physical goods, purchased from Zooz (the "Physical Goods").

What does this limited warranty cover?

This Limited Warranty covers any defects in material or workmanship under normal use according to instructions from the User Manual during the Warranty Period. Warranty coverage applies to purchases made from authorized dealers only. See full list of Zooz distributors here: getzooz.com/buy

During the Warranty Period, Zooz will repair or replace, at no charge, products or parts of a product that prove defective because of improper material or workmanship, under normal use and recommended maintenance. Zooz does not assume the cost of return shipping for warranty service.

How long does the coverage last?

The Warranty Period for Physical Goods purchased from Zooz is 12 months from the date you purchased this product.

What does this limited warranty not cover?

This Limited Warranty does not cover any problem that is caused by:

- conditions, malfunctions or damage not resulting from defects in material or workmanship
- improper handling or installation of the product

The warranty does not cover purchases from unauthorized dealers or second-hand sources. The warranty does not cover return shipping cost for warranty service.

What do you have to do?

To obtain warranty service, please contact us to determine the problem and offer a quick solution for you: warranty@getzooz.com

You may also get in touch with the reseller of the product directly to return or replace the product within 30 days of purchase or within applicable reseller's returns period.

IN NO EVENT SHALL ZOOZ OR ITS SUBSIDIARIES AND AFFILIATES BE LIABLE FOR ANY INDIRECT, INCIDENTAL, PUNITIVE, SPECIAL, OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, OR USE INCURRED BY CUSTOMER OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT, OR OTHERWISE EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ZOOZ'S LIABILITY AND CUSTOMER'S EXCLUSIVE REMEDY FOR ANY CAUSE OF ACTION ARISING IN CONNECTION WITH THIS AGREEMENT OR THE SALE OR USE OF THE PRODUCTS, WHETHER BASED ON NEGLIGENCE, STRICT LIABILITY, BREACH OF WARRANTY, BREACH OF AGREEMENT, OR EQUITABLE PRINCIPLES, IS EXPRESSLY LIMITED TO, AT ZOOZ'S OPTION, REPLACEMENT OF, OR REPAYMENT OF THE PURCHASE PRICE FOR THAT PORTION OF PRODUCTS WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. ALL CLAIMS OF ANY KIND ARISING IN CONNECTION WITH THIS AGREEMENT OR THE SALE OR USE OF PRODUCTS SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING WITHIN THIRTY (30) DAYS FROM ZOOZ'S DELIVERY, OR THE DATE FIXED FOR DELIVERY IN THE EVENT OF NONDELIVERY.

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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