



Coolcam Smart Power Plug NAS-WR01Z Manual

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Coolcam

Smart Power Plug

SKU: NAS-WR01Z



Quickstart

This is a

On/Off Power Switch

for

CEPT (Europe).

To run this device please connect it to your mains power supply.

To add this device to your network execute the following action:

Add the Device (Smart Plug) to ZWave Network. 1. Make sure the sensor is powered. 2. Set ZWave controller or ZWave gateway into inclusion mode (Refer to the controller or gateway operating manual) 3. Press the button three times within 1.5 second, the device will enter inclusion mode. And the LED will flash on and off with green alternately five times within 2 seconds.

Please refer to the

[Manufacturers Manual](#) for more information.

Important safety information

Please read this manual carefully. Failure to follow the recommendations in this manual may be dangerous or may violate the law.

The manufacturer, importer, distributor and seller shall not be liable for any loss or damage resulting from failure to comply with the instructions in this manual or any other material.

Use this equipment only for its intended purpose. Follow the disposal instructions.

Do not dispose of electronic equipment or batteries in a fire or near open heat sources.

What is Z-Wave?

Z-Wave is the international wireless protocol for communication in the Smart Home. This

device is suited for use in the region mentioned in the Quickstart section.

Z-Wave ensures a reliable communication by reconfirming every message (**two-way communication**) and every mains powered node can act as a repeater for other nodes (**meshed network**) in case the receiver is not in direct wireless range of the transmitter.



This device and every other certified Z-Wave device can be **used together with any other certified Z-Wave device regardless of brand and origin** as long as both are suited for the same frequency range.

If a device supports **secure communication** it will communicate with other devices secure as long as this device provides the same or a higher level of security. Otherwise it will automatically turn into a lower level of security to maintain backward compatibility.

For more information about Z-Wave technology, devices, white papers etc. please refer to www.z-wave.info.

Product Description

This product can be included and operated in any ZWave network with other ZWave certified devices from other manufacturers and/or other applications. All nonbattery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network. In the front casing, there is a button that is used to carry out include, exclude or reset factory default settings on PCB Board. When power is first supplied, the LED will flash on and off with yellow alternately every 1 second intervals within 5 seconds if the detector has not been added to a ZWave network, otherwise the LED will flash on and off 5 times with cyan alternately every 300 milliseconds. Please get familiar with the terms below before starting the operations. This Plug has a function that remembers the relay states, the plug will turn on after power up next time if the plug is turned on before the power cutoff.

Prepare for Installation / Reset

Please read the user manual before installing the product.

In order to include (add) a Z-Wave device to a network it **must be in factory default state**. Please make sure to reset the device into factory default. You can do this by performing an Exclusion operation as described below in the manual. Every Z-Wave controller is able to perform this operation however it is recommended to use the primary controller of the previous network to make sure the very device is excluded properly from this network.

Reset to factory default

This device also allows to be reset without any involvement of a Z-Wave controller. This procedure should only be used when the primary controller is inoperable.

Note: to use the reset procedure only when the primary controller is missing or inoperable. Restore the Device (Smart Plug) to Factory Default Settings. Reset procedure will delete all information on the ZWave network and ZWave controller or ZWave Gateway, and restore the sensor to factory default settings. 1. Make sure the sensor is powered. 2. Press and hold the button more than 10 seconds until the LED blinks with red color. 3. Release the button.

Safety Warning for Mains Powered Devices

ATTENTION: only authorized technicians under consideration of the country-specific installation guidelines/norms may do works with mains power. Prior to the assembly of the product, the voltage network has to be switched off and ensured against re-switching.

Inclusion/Exclusion

On factory default the device does not belong to any Z-Wave network. The device needs to be **added to an existing wireless network** to communicate with the devices of this network. This process is called **Inclusion**.

Devices can also be removed from a network. This process is called **Exclusion**. Both processes are initiated by the primary controller of the Z-Wave network. This controller is turned into exclusion respective inclusion mode. Inclusion and Exclusion is then performed doing a special manual action right on the device.

Inclusion

Add the Device (Smart Plug) to ZWave Network1. Make sure the sensor is powered. 2. Set ZWave controller or ZWave gateway into inclusion mode (Refer to the controller or gateway operating manual) 3. Press the button three times within 1.5 second, the device will enter inclusion mode. And the LED will flash on and off with green alternately five times within 2 seconds.

Exclusion

Delete the Device (Smart Plug) from ZWave Network1. Make sure the sensor is powered. 2. Set ZWave controller or ZWave gateway into exclusion mode (Refer to the controller or gateway operating manual) 3. Press the button three times within 1.5 second, the device will enter exclusion mode. And the LED will flash on and off with yellow alternately five times within 2 seconds.

Quick trouble shooting

Here are a few hints for network installation if things dont work as expected.

1. Make sure a device is in factory reset state before including. In doubt exclude before include.
2. If inclusion still fails, check if both devices use the same frequency.
3. Remove all dead devices from associations. Otherwise you will see severe delays.
4. Never use sleeping battery devices without a central controller.
5. Dont poll FLIRS devices.
6. Make sure to have enough mains powered device to benefit from the meshing

Association – one device controls an other device

Z-Wave devices control other Z-Wave devices. The relationship between one device controlling another device is called association. In order to control a different device, the controlling device needs to maintain a list of devices that will receive controlling commands. These lists are called association groups and they are always related to certain events (e.g. button pressed, sensor triggers, ...). In case the event happens all devices stored in the respective association group will receive the same wireless command wireless command, typically a 'Basic Set' Command.

Association Groups:

Group Number	Maximum Nodes	Description
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1	5	GROUP 1 is lifeline service that assigned to plug status ON/OFF. It enables the Plug to send reports and readings to ZWave Controller or ZWave Gateway. This Group Support: NOTIFICATION_REPORT_V4 METER_REPORT_V4 SWITCH_BINARY_REPORT DEVICE_RESET_LOCALLY_NOTIFICATION
2	5	GROUP 2 allows for sending control commands to associated devices such as Siren, relay module, lighting, etc. If current load is over the max current defined in parameter #3, the Plug will send a BASIC_SET (0xFF) to associated devices. When current load is normal, plug will send a BASIC_SET (0x00) to associated devices. This Group Support: BASIC_SET
3	5	GROUP 3 allows for Send Notification to associated devices in this group. This Group Support: NOTIFICATION_REPORT_V4

Technical Data

Hardware Platform	ZM5202
Device Type	On/Off Power Switch
Network Operation	Always On Slave
Firmware Version	HW: 65 FW: 3.70
Z-Wave Version	6.51.06
Certification ID	ZC10-16055074
Z-Wave Product Id	0x0258.0x0003.0x1087
Color	White
Switch Type	Push Button
Firmware Updatable	Updatable by Manufacturer
Frequency	XXfrequency
Maximum transmission power	XXantenna

Controlled Command Classes

- Basic

Explanation of Z-Wave specific terms

- **Controller** — is a Z-Wave device with capabilities to manage the network.
Controllers are typically Gateways, Remote Controls or battery operated wall controllers.
- **Slave** — is a Z-Wave device without capabilities to manage the network.
Slaves can be sensors, actuators and even remote controls.
- **Primary Controller** — is the central organizer of the network. It must be a controller. There can be only one primary controller in a Z-Wave network.
- **Inclusion** — is the process of adding new Z-Wave devices into a network.
- **Exclusion** — is the process of removing Z-Wave devices from the network.
- **Association** — is a control relationship between a controlling device and a controlled device.
- **Wakeup Notification** — is a special wireless message issued by a Z-Wave

device to announces that is able to communicate.

- **Node Information Frame** — is a special wireless message issued by a Z-Wave device to announce its capabilities and functions.

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