



## ZW97 Z-Wave 2-Channel OutDoor Smart Plug

### Introduction:

Thank you for choosing the ZW97 Z-Wave control product. ZW97 enabled product allows users to remotely control lighting, home appliance, and make home control easy with low installation and maintenance costs.

You may begin with a few Z-Wave enabled devices as well as some of our products to build up a complete home automation system.

The ZW97 is a Z-Wave enabled device and is fully compatible with any Z-Wave Plus enabled network. Each module is designed to act as a repeater, which will re-transmit a radio frequency (RF) signal by routing the signal around obstacles and radio dead spots to ensure that the signal is received at its intended destination.

### Basic Operation:

The ZW97 can control two channel outlet outputs separately

Press the button one times controller all outlet ON/OFF

Press the button two times controller left outlet ON/OFF

Press the button three times controller right outlet ON/OFF

Follow this 2-step procedure to add your new ShowHome device to your Z-Wave network:

- 1 Put your Z-Wave controller into inclusion mode. Consult your controller manual if you're unsure how to do this.
- 2 Press the button five times. This will take a few moments to complete.

**MANUAL RESET** - To be used only in the event that the network primary controller is lost or otherwise inoperable.)

1 ) power off

2 ) hold on 5 seconds when turn on the power of ZW97

-----B: ON/OFF/PROG Push button

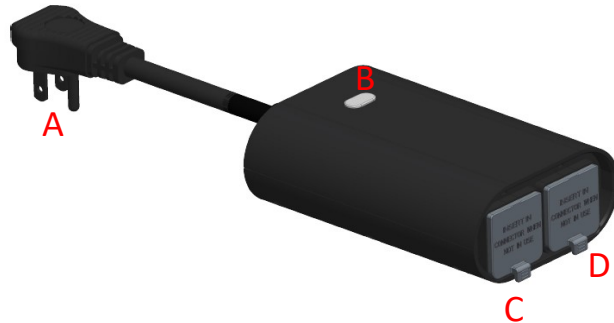
-----C: Z-Wave controlled left outlet

-----D: Z-Wave controlled right outlet

-----Node: There are LED instructions below the button

White LED indicates ON/OFF

RED LED indicates temperature alarm



Include ZW97 to/from a Z-Wave Gateway with supporting Security the ZW97 can support the Primary Controller that implemented the security S2.

Refer to your primary controller instructions to process the Secure Inclusion. The Below listed Command Class are all supported the Security S2

COMMAND\_CLASS\_ZWAVEPLUS\_INFO,

COMMAND\_CLASS\_VERSION,

COMMAND\_CLASS\_MANUFACTURER\_SPECIFIC,

COMMAND\_CLASS\_DEVICE\_RESET\_LOCALLY,

COMMAND\_CLASS\_ASSOCIATION,

COMMAND\_CLASS\_ASSOCIATION\_GRP\_INFO,

COMMAND\_CLASS\_POWERLEVEL,

COMMAND\_CLASS\_SWITCH\_BINARY,

COMMAND\_CLASS\_SWITCH\_ALL,

COMMAND\_CLASS\_CONFIGURATION,

COMMAND\_CLASS\_NOTIFICATION\_V8,

COMMAND\_CLASS\_MULTI\_CHANNEL\_ASSOCIATION\_V2,

COMMAND\_CLASS\_TRANSPORT\_SERVICE\_V2,

COMMAND\_CLASS\_SECURITY,

COMMAND\_CLASS\_SECURITY\_2,

COMMAND\_CLASS\_SUPERVISION

COMMAND\_CLASS\_FIRMWARE\_UPDATE\_MD\_V4

## Support for Association Groups

ZW97 supports 3 association groups. A maximum of 5 node ID.

-Association group\_1:

Association group\_1 is default to associate with the primary controller (Gateway/Hub/Controller) for ZW97 Status change report, refer to below for report details:

1. ZW97 will trigger AUTO report function if the Output status had been changed.
2. Device Reset Locally Notification(Only report when the ZW97 has been triggered the RESET TO DEFAULT)

-Association group\_2:

After receiving a basic set command from a local switch or gateway, On (0xFF) or Off (0x00), the ZW97 of left outlet will automatically send out a related basic set command, On (0xFF) or Off (0x00) to its associated group.

-Association group\_3:

After receiving a basic set command from a local switch or gateway, On (0xFF) or Off (0x00), the ZW97 of right outlet will automatically send out a related basic set command, On (0xFF) or Off (0x00) to its associated group.

## LED indicator setting :

### 1 ) manual setting :

Default	lamp on, indicate LED ON
Hlod button 5S	lamp on, indicate LED OFF
Hlod button 10S	No Work

### 2 ) Parameter setting :

Parameter=1, Size=1byte, Value=00(Default)	lamp ON, indicate LED ON
Parameter=1, Size=1byte, Value=01	lamp ON, indicate LED OFF
Parameter=1, Size=1byte, Value=02	LED OFF, NO Work

## Countdown off setting:

Parameter =2, Size=2byte, value=xx xx left outlet Countdown(Default00 00 , MAX 36000 S)

Parameter =3, Size=2byte, value=xx xx right outlet Countdown(Default00 00 , MAX 36000 S)

## Temperature alarm

When the temperature is greater than 105 degrees Celsius, equipment protection, stop output, send high temperature alarm.

## SPECIFICATIONS

Power Requirements	120v / 60 Hz
Max Load	15Amp Max Smart Outlet1,15Amp Max Smart Outlet2, Total 15Amp MAX .
Z-Wave Frequency	908.42 MHz
	Range 100 ft. (open air)
Certifications	UL (US, Canada), FCC, Z-Wave Plus

**FCC Caution.**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** 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 in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

\*RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.