Power Strip 800 User Manual

FCC

Federal Communications Commission (FCC) Statement FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
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.
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. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

WARNING

RISK OF FIRE
RISK OF ELECTRICAL SHOCK
RISK OF BURNS
CONTROLLING APPLIANCES:
EXERCISE EXTREME CAUTION WHEN USING Z-Wave®DEVICES TO CONTROL APPLIANCES. OPERATION OF THE Z-Wave® DEVICE MAY BE IN A DIFFERENT ROOM THAN THE CONTROLLED APPLIANCE, ALSO ANUNINTENTIONAL ACTIVATION MAY OCCUR IF THE WRONG BUTTON ON THE REMOTE IS PRESSED. Z-Wave®DEVICES MAY AUTOMATICALLY BE POWERED ON DUE TO TIMED EVENT PROGRAMMING. DEPENDING UPON THE APPLIANCE, THESE UNATTENDED OR UNINTENTIONAL OPERATIONS COULD POSSIBLY RESULT IN A HAZARDOUS CONDITION. FOR THESE REASONS, WE RECOMMEND DO NOT RETURN THIS PRODUCT TO THE STORE THE FOLLOWING: DO NOT USE Z-Wave®DEVICES TO CONTROL ELECTRIC HEATERS OR ANY OTHER APPLIANCES WHICH MAY PRESENT A HAZARDOUS CONDITION DUE TO UNATTENDED OR UNINTENTIONAL OR AUTOMATIC POWER ON CONTROL.

Specifications

ITEM	INFORMATION
Model	ZW1505 800S
Power Supply	AC 120V 60HZ
Signal(Frequency)	908.42MHz
Range	Up to 100 feet line of sight between the Wireless Controller and the closest Z-Wave® receiver module.
Operating Temperature Range	5-104° F (-10-40° C)

- Specifications subject to change without notice due to continuing product improvement

Introduction

This product can be operated in any Z-Wave® network with other Z-Wave Plus® certified devices from other manufacturers.

All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the 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.

ZW1505 800S is a security enabled Z-Wave Plus® device. A security Enabled Z-Wave Plus® Controller must be used in order to fully utilize the product.

- GENERIC_TYPE: GENERIC_TYPE_SWITCH_BINARY(0x10)
- SPECIFIC_TYPE: SPECIFIC_TYPE_NOT_USED(0X00)

Key Features

- Remote ON/OFF control via the Z-Wave® controller
- Manual ON/OFF control with the front panel push button

- Support Association Group and Auto Report switch status
- Support Meter
- Support SmartStart
- Support Long Range
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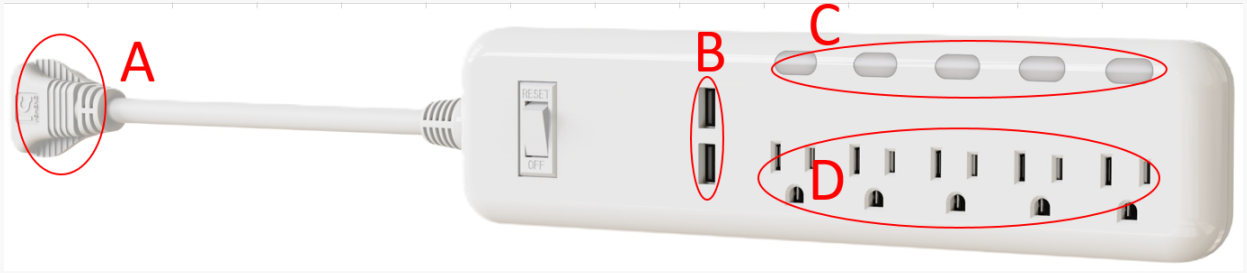
Product Overview

A. Input
B. USB Change
C. Z-Wave® Button and LED
D. Output



Button Function Description

1. Add or Remove the device

- press 3x Button : Add/Include or Remove/Exclude the device into network. All LED indicator will blink

2. Factory Reset

- click Z-Wave® button 2 times quickly, and hold for at least 10 seconds.

  After you reset successful the 5 indicate LED will blink one time.

- Note.Please use this procedure only when the network's primary controller is missing or otherwise inoperable

Adding Your Device To Hub

- The device support two methods of inclusion, When using a Z-Wave Plus® certified controller choose Network Wide Inclusion or SmartStart.
- Network Wide Inclusion To A Z-Wave® Network
  - Refer to your primary controller instructions to process the inclusion / exclusion setup procedure.
  - When prompted by your primary controller, click the Z-Wave® button three times .
- The device is compatible with SmartStart.

  SmartStart enabled products can be added into a Z-Wave® network by scanning the Z-Wave® QR Code found on the top of the outlet or the back of the box with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on and in the network vicinity.

Z-Wave® Long Range device can only support be included via SmartStart.Extract the DSK from end device and paste itinto the DSK Value in PC Controller, make sure the Long Range' option is ticked.

QR Code and DSK

- The QR code are stocked to the side of the case, DSK is included in the QR code.
- The DSK code can be found on the DSK label which is attached on the packaging box.

PACKAGE	DEVICE
	

Command Class

- EP 0

Command Class Name	Version	Required Security Class
Z-Wave Plus Info	V2	none
Security 2	V1	none
Supervision	V1	none
Transport Service	V2	none
Basic	V2	highest granted
Association	V2	highest granted
Association Group Information	V3	highest granted
Multi Channel Association	V3	highest granted
Version	V3	highest granted

Command Class Name	Version	Required Security Class
Manufacturer Specific	V2	highest granted
Device Reset Locally	V1	highest granted
Power Level	V1	highest granted
Indicator	V3	highest granted
Firmware Update Meta Data	V5	highest granted
Configuration	V4	highest granted
Notification	V8	highest granted
Meter	V5	highest granted
Switch Binary	V2	highest granted
Multi Channel	V4	highest granted

- EP1 ~ EP5

Command Class Name	Version	Required Security Class
Z-Wave Plus Info	V2	none
Security 2	V1	none
Supervision	V1	none
Basic	V2	highest granted
Association	V2	highest granted
Association Group Information	V3	highest granted
Multi Channel Association	V3	highest granted

Command Class Name	Version	Required Security Class
Meter	V5	highest granted
Switch Binary	V2	highest granted
Notification	V8	highest granted

- EP6~EP7

Command Class Name	Version	Required Security Class
Z-Wave Plus Info	V2	none
Security 2	V1	none
Supervision	V1	none
Basic	V2	highest granted
Association	V2	highest granted
Association Group Information	V3	highest granted
Multi Channel Association	V3	highest granted
Switch Binary	V2	highest granted

Basic Set Mapping

- Basic CC is mapped to Switch Binary Command Class

Basic Set Endpoint	Basic set is mapped to
0	binary switch set EP1~EP5
1	binary switch set EP1
2	binary switch set EP2
3	binary switch set EP3
4	binary switch set EP4
5	binary switch set EP5
6	binary switch set EP6
7	binary switch set EP7

Notification

Type	Event
Power Management(0x08)	Over Current Detected(0x06)

Meter

Base Type	Rate Type	Scale	Size	Precision
Electric	Only import	A	2	2
Electric	Only import	V	2	2

Base Type	Rate Type	Scale	Size	Precision
Electric	Only import	W	2	1
Electric	Only import	KWH	4	3

Indicator Command Class

- The indicator (blue color) will flashes according the indicator set command received from HUB.

Indicator ID	Property ID
0x50 (NODE IDENTIFY)	0x03(ON OFF PERIOD)
0x50 (NODE IDENTIFY)	0x04(ON OFF CYCLES)
0x50 (NODE IDENTIFY)	0x05(ONE TIME ON OFF PERIOD)

Association Group

- Endpoint Root

ID	Name	Node Count	Profile	Function
1	Lifeline	5	General: Lifeline	Device Reset Locally Notification Indicator Report Switch Binary Report Meter report

- EP1 ~ EP5

ID	Name	Node Count	Profile	Function
1	Lifeline	0	General: Lifeline	Notification Switch Binary Report Meter report

- EP6 ~ EP7

ID	Name	Node Count	Profile	Function
1	Lifeline	0	General: Lifeline	Switch Binary Report

Configuration Parameters

Number	Name	Information	Format / Size	Read Only	Altering	Advanced	MIN	MAX	Default
1	Status recover	On/Off status recovery after power failure.	1 byte unsigned integer	NO	NO	NO	0	2	0
2	Wattage report threshold	Power wattage report value threshold.	4 bytes unsigned integer	NO	NO	NO	0	65535	5
3	Wattage report interval	Seconds for wattage report frequency.	4 bytes unsigned integer	NO	NO	NO	0	2678400	180
4	Energy report interval	Seconds for energy report frequency.	4 bytes unsigned integer	NO	NO	NO	0	2678400	300
5	Overload protection threshold	Watt value for overload protection.	2 byte unsigned integer	NO	NO	NO	0	1500	1500
6	EP1 auto turn off time enable	Enable or disable EP1 auto turn off timer.	1 bytes unsigned integer	NO	NO	NO	0	1	0
7	EP1 auto turn off minutes	Minutes of EP1 turn off timer.	4 byte unsigned integer	NO	NO	NO	1	65535	60
8	EP1 auto turn on time enable	Enable or disable EP1 auto turn on timer.	1 byte unsigned integer	NO	NO	NO	0	1	0
9	EP1 auto turn on minutes	Minutes of EP1 turn on timer.	4 byte unsigned integer	NO	NO	NO	1	65535	60
10	EP2 auto turn off time enable	Enable or disable EP2 auto turn off timer.	1 byte unsigned integer	NO	NO	NO	0	1	0
11	EP2 auto turn off minutes	Minutes of EP2 turn off timer.	4 byte unsigned integer	NO	NO	NO	1	65535	60
12	EP2 auto turn on time enable	Enable or disable EP2 auto turn on timer.	1 bytes unsigned integer	NO	NO	NO	0	1	0
13	EP2 auto turn on minutes	Minutes of EP2 turn on timer.	4 byte unsigned integer	NO	NO	NO	1	65535	60
14	EP3 auto turn off time enable	Enable or disable EP3 auto turn off timer.	1 bytes unsigned integer	NO	NO	NO	0	1	0
15	EP3 auto turn off minutes	Minutes of EP3 turn off timer.	4 byte unsigned integer	NO	NO	NO	1	65535	60
16	EP3 auto turn on time enable	Enable or disable EP3 auto turn on timer.	1 bytes unsigned integer	NO	NO	NO	0	1	0
17	EP3 auto turn on minutes	Minutes of EP3 turn on timer.	4 byte unsigned integer	NO	NO	NO	1	65535	60
18	EP4 auto turn off time enable	Enable or disable EP4 auto turn off timer.	1 bytes unsigned integer	NO	NO	NO	0	1	0
19	EP4 auto turn off minutes	Minutes of EP4 turn off timer.	4 byte unsigned integer	NO	NO	NO	1	65535	60

Number	Name	Information	Format / Size	Read Only	Altering	Advanced	MIN	MAX	Default
20	EP4 auto turn on time enable	Enable or disable EP4 auto turn on timer.	1 bytes unsigned integer	NO	NO	NO	0	1	0
21	EP4 auto turn on minutes	Minutes of EP4 turn on timer.	4 byte unsigned integer	NO	NO	NO	1	65535	60
22	EP5 auto turn off time enable	Enable or disable EP5 auto turn off timer.	1 bytes unsigned integer	NO	NO	NO	0	1	0
23	EP5 auto turn off minutes	Minutes of EP5 turn off timer.	4 byte unsigned integer	NO	NO	NO	1	65535	60
24	EP5 auto turn on time enable	Enable or disable EP5 auto turn on timer.	1 bytes unsigned integer	NO	NO	NO	0	1	0
25	EP5 auto turn on minutes	Minutes of EP5 turn on timer.	4 byte unsigned integer	NO	NO	NO	1	65535	60
26	Manual control output	Enable or disable output manually.	1 bytes unsigned integer	NO	NO	NO	0	1	1
27	LED indicator	Behavior for indicator.	1 bytes unsigned integer	NO	NO	NO	0	2	1
28	All Wattage and Energy report	Enable or disable all wattage and energy report.	1 bytes unsigned integer	NO	NO	NO	0	1	1
29	EP1 Wattage and Energy report	Enable or disable EP1 wattage and energy report.	1 bytes unsigned integer	NO	NO	NO	0	1	1
30	EP2 Wattage and Energy report	Enable or disable EP2 wattage and energy report.	1 bytes unsigned integer	NO	NO	NO	0	1	1
31	EP3 Wattage and Energy report	Enable or disable EP3 wattage and energy report.	1 bytes unsigned integer	NO	NO	NO	0	1	1
32	EP4 Wattage and Energy report	Enable or disable EP4 wattage and energy report.	1 bytes unsigned integer	NO	NO	NO	0	1	1
33	EP5 Wattage and Energy report	Enable or disable EP5 wattage and energy report.	1 bytes unsigned integer	NO	NO	NO	0	1	1
34	USB switch report	Enable or disable USB switch report.	1 bytes unsigned integer	NO	NO	NO	0	1	0
35	Current report interval	Seconds for current report.	4 bytes unsigned integer	NO	NO	NO	0	2678400	0
36	Voltage report interval	Seconds for voltagereport.	4 bytes unsigned integer	NO	NO	NO	0	2678400	0
37	Current report threshold	Threshold for current report (x 0.1A).	1 bytes unsigned integer	NO	NO	NO	0	50	0