

# NA Smart Plug ( Z-Wave )

## User Guide



The plug turns your electrical appliances smart by enabling you to control them through the smart home APP on your phone at or away from home. It also enables you to automatically switch appliances on and off according to a programmable timer and measure the energy consumption.

Feature list:

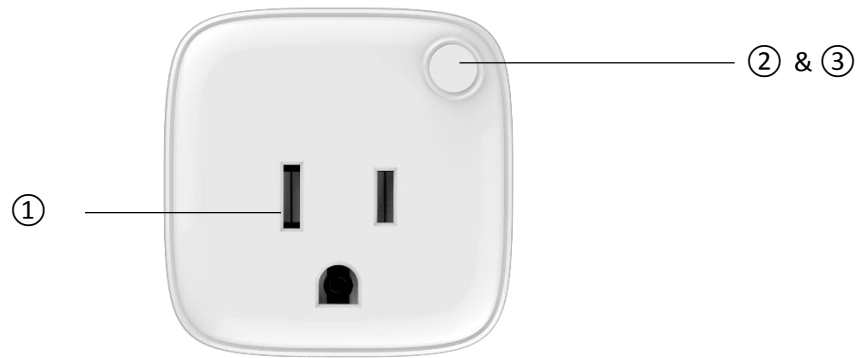
- 1) Supports 1xAC output.
- 2) AC output switch on/off by manual and/or Z-Wave command.
- 3) Led indicates the working status.
- 4) Supporting power meter.
- 5) Supporting repeater role.
- 6) Supporting firmware OTA.

### 1. PACKAGE CONTENTS

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### 2. FAMILIARIZE YOURSELF WITH YOUR SMART PLUG

Smart Plug Layout



- ① **Socket:** Converts your traditional outlet and enables your plugged-in appliance to become Smart and controllable with the App
- ② **Button:** Press once to switch on or off; press and hold to reset
- ③ **Indicator Light:** when the plug is operating, the light is blue; when the device is turned off, the light changes to red

### 3. TECHNICAL SPECIFICATIONS

Power supply:	120V~±10%, 60Hz
Rated load current:	15A
Power consumption:	≤1W
Power output	1800W
Operational temperature:	0°C-40°C
Radio protocol:	Z-Wave
Radio frequency:	908.42MHz (US)
Range:	About 40m indoors (depending on building materials)

### 4. FUNCTIONS OF EACH BUTTON ACTION AND OPERATION

Smart Plug is included into a Z-Wave network:

Trigger	Description
Short press one time	Change the state of Smart Plug's load.
Short press 3 times within 1 second	<ol style="list-style-type: none"> <li>1. Send Node Info frame.</li> <li>2. Remove for exclusion               <ol style="list-style-type: none"> <li>1. Insert the Smart Plug to power socket, the LED will follow the status (on or off) of its load's power level.</li> <li>2. Set the Z-Wave network main controller into exclusion mode.</li> <li>3. Short press z-button 3 times within 1 second.</li> <li>4. The LED will blink fast until the exclusion is completed, then the LED will keep on blinking slowly. Otherwise, the LED will keep on blink fast for 35 seconds and then follow the status (on or off) of its load status.</li> </ol> </li> </ol>
Press and hold	Reset Smart Plug to factory Default:

hold for 5 seconds	<ol style="list-style-type: none"> <li>1. Make sure that the Smart Plug has been connected to the power supply.</li> <li>2. Press and hold the Z-button for 5 seconds.</li> <li>3. If holding time is more than one second, the LED will blink faster and faster. If holding time is more than 5 seconds, the LED will be solid for 3 seconds to indicate that the resetting is successful. Otherwise, repeat step 2.</li> </ol> <p>NOTE: Reset to factory will remove Smart Plug from the Z-Wave network. Use this procedure only in the event that the network primary controller missing or otherwise inoperable.</p>
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Smart Plug is excluded from a Z-Wave network:

Trigger	Description
Power on	<ol style="list-style-type: none"> <li>1. Send Node Info frame.</li> <li>2. Add for inclusion: <ol style="list-style-type: none"> <li>1. Make sure that the Smart Plug has been connected to the power supply.</li> <li>2. Set the Z-Wave network main controller into inclusion mode.</li> <li>3. Power on.</li> <li>4. The LED will blink fast until the inclusion is completed and then the LED will keep turning on or off. Otherwise, the LED will still blink slowly, in which you need to repeat the process from step 2</li> </ol> </li> </ol>
Short press one time	<ol style="list-style-type: none"> <li>1. Change the state of Smart Plug's load.</li> <li>2. Send Node Info frame.</li> <li>3. Add for inclusion: <ol style="list-style-type: none"> <li>1. Make sure that the Smart Plug has been connected to the power supply.</li> <li>2. Set the Z-Wave network main controller into inclusion mode.</li> <li>3. Short press the z-button.</li> <li>4. The LED will blink fast until the inclusion is completed and then the LED will keep turning on or off. Otherwise, the LED will still blink slowly, in which you need to repeat the process from step 2</li> </ol> </li> </ol>
Short press 3 times within 1 second	<ol style="list-style-type: none"> <li>1. Send Node Info frame.</li> <li>2. Add for inclusion: <ol style="list-style-type: none"> <li>1. Make sure that the Smart Plug has been connected to the power supply.</li> <li>2. Set the Z-Wave network main controller into inclusion mode.</li> <li>3. Short press the z-button 3 times within 1 second.</li> <li>4. The LED will blink fast until the inclusion is completed and then the LED will keep turning on or off. Otherwise, the LED will still blink slowly, in which you need to repeat the process from step 2</li> </ol> </li> </ol>

## 5. SAFETY INFORMATION

### WARNING:

- For indoor use only. Do not use in wet locations.
- The total current limit of the device is 15A. Do not exceed this value!
- If a direct short is created on the output, the Smart Plug will be damaged and no longer function.
- Do not disassemble the product, or make repairs yourself. You run the risk of electric shock and voiding the limited warranty. If you need service, please contact us.

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For more information, Welcome visit: [www.ledarson.com](http://www.ledarson.com).

Mail to: [iot@ledarson.com](mailto:iot@ledarson.com)

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CHINA

FCC statement:

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

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. (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution: The user is cautioned that 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.

## **IC NOTICE TO CANADIAN USERS**

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout

brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This Class B digital apparatus complies with Canadian ICES-003 (Cet appareil numérique de la Classe B conforme à la norme NMB-003 du Canada).

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC 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.