



A11 (ZigBee Wireless Smart Plug) User's Manual Ver. 1.06

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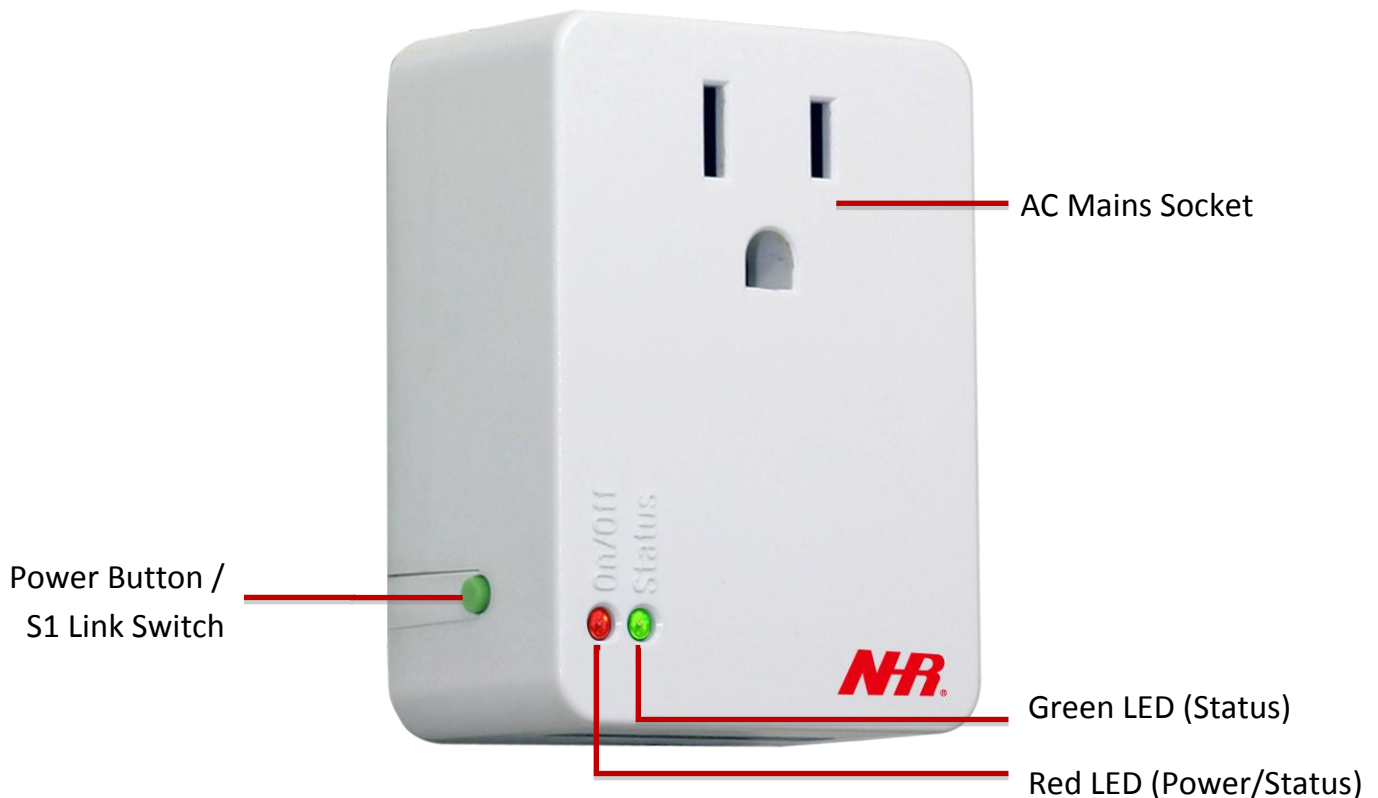


Congratulations for choosing the next generation ZigBee wireless smart plug, which brings you into smart living generation. This manual is designed to help set up and get the most from the sensor in a few short minutes.

Safety notice: Please read and follow the instructions before using this product

- To prevent electrical shock or fire, do not disassemble or expose the unit to liquids of any kind
- Only use attachments and / or accessories specified by the manufacturer

1. Package Contents and A11 View



2. Installing A11 and Initial Power ON

Requirements:

- Live AC mains socket

a) Plug A11 into live AC mains socket. Plug your appliance into A11's AC mains socket.



b) Apply one quick press to the power button / S1 link switch to manually turn your appliance ON (red LED will be ON) or OFF (red LED will be OFF).

c) The green LED on A11 should start flashing to indicate its current state:

Green LED	Status
1 flash every 2 seconds	Ready to join a parent device
1 flash every 5 seconds	Already joined a parent device and functioning normally

3. Joining A11 to the Network

Requirements:

- Parent device, such as coordinator (eg. WZB-01USBC, WZB-02485C), gateway (eg. G07-W, WZB-05ET), or router (eg. WZB-01USBR, WZB-02485R)

a) Ensure parent device is powered on (see relevant device's manual).

b) Power on A11 (see "Installing A11 and Initial Power ON" section) ensuring it is in **Ready to Join** status (green LED flash once every 2 seconds).

c) Enable **Permit Join** status on parent device (see relevant device's manual) and check A11 joined the parent device.

d) If A11 has successfully joined the parent device, A11 will show **Successfully Joined** status (green LED flash 2 times) then **Normal Operations** status (green LED flash once every 5

If A11 does not show **Normal Operations** status (green LED does not flash once every 5 seconds), then it has not successfully joined. Repeat above steps until A11 has joined successfully. If A11 has still not joined after a few attempts, check it is within the operational range of 100m (line of sight) from the parent device and away from other 2.4GHz devices that might interfere with its operations.

If A11 has joined successfully, but shows **Disconnected** status (green LED flashes twice every 5 seconds), then check parent device is correctly powered on. If the parent device is functioning correctly, A11 may be out of range or experiencing interference, additional extender(s) may need to be added to ensure good connections.

4. Smart-Controlling A11's AC Mains Socket

Requirements:

- Parent device, such as coordinator (eg. WZB-01USBC, WZB-02485C), gateway (eg. G07, WZB-05ET), or router (eg. WZB-01USBR, WZB-02485R)

- a) Ensure that your A11 has joined to parent device's network.
- b) Install the relevant app or software on your smart device or computer.
- c) Follow instructions of the relevant app or software.

Note: A11 will automatically turn off its AC mains socket upon power outage. When the power is restored, please manually turn A11's AC mains socket back on.

5. Removing A11 from the Parent's Network

- a) Ensure that the parent device is powered on (see relevant device's manual).
- b) Ensure A11 is powered on (see "Installing Mounting for A11 and Initial Power On" section) and has already joined the parent device's network (green LED flash once every 2 seconds).
- c) Apply a 10-second long press to the S1 link switch (the green LED will flash for up to 20 seconds), then apply 3 quick presses to the S1 link switch, A11 will show **Removing** status (red LED rapid flash for up to 30 seconds) or until successful removal (green LED flash once).
- d) If A11 has been successfully removed, A11 will show **Ready to Join** status (green LED flash



once every 2 seconds).

Note: Definition of **Removing** – A11 will no longer appear in the parent device's wireless group list after removing A11 from the parent device's network.

6. ZigBee Reset

In the case where the parent device (coordinator, gateway, or router) for A11 is no longer available or have been reset, A11 will need to be reset. Apply a 10-second long press to the S1 link switch (the green LED will flash for up to 20 seconds), then apply a 5-second press to the S1 link switch, the green & red LEDs will both come ON during the reset, then A11 should show **Ready to Join** status (green LED flash once every 5 seconds).

Note: Definition of **Reset** – A11 will remain in the parent device network's wireless group list after resetting A11 (unless the parent device has been reset).

7. A11 LED Status and Power Button / S1 Link Switch Actions

The A11 LED status is summarized below:

A11 Status LED	Status
Red LED: ON	A11's AC mains socket is active.
Red LED: OFF	A11's AC mains socket is inactive.
Green LED: 1 flash every 2 seconds	Ready to Join – ready to join network of parent device (coordinator, gateway, or router)
Green LED: 3 flashes (one time)	Successfully Joined – joined network of parent device
Green LED: 1 flash every 5 seconds	Normal Operations – joined network of parent device and functioning normally
Green LED: 2 flash every 5 seconds	Disconnected – joined network, but unable to find any parent device of the network
Green LED: Rapid flashing up to 20 seconds	Setup Mode – enter this mode to remove A11 from a network or to reset A11.
Red LED:	Removing – (while in Setup Mode) being removed

Rapid flashing up to 30 seconds	from the network of the parent device
Green & Red LED: ON	ZigBee Reset – (while in Setup Mode) reset to factory default, remove all ZigBee network linkages

The A11 power button / S1 link switch actions are summarized below:

Operation	Power Button / S1 Link Switch Actions
Power ON/OFF	Press once to manually turn A11's AC mains socket ON/OFF
Setup Mode	Press and hold for 10 seconds
*Remove from Network	Press 3 times within 1.5 seconds
*ZigBee Reset	Press and hold for 5 seconds

**: Please enter Setup Mode first before performing this operation.*

8. Product Specifications

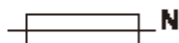
Key Function	Power ON/OFF attached device from smart devices remotely Reports power consumption, on/off status of attached devices Bridges other wireless devices as router Other normal plug can be plugged simultaneously because of its small size
Electrical	Operating Voltage: 100 ~ 120 Vac Power Frequency: 50 ~ 60 Hz Max. Load Capacity: US: 12 A/120 Vac, 1440W
Power Sensor	Accuracy: +/- 5 % Detects current draw from user AC socket Range: 0 A to 12 A
RF Transmit Power	63 mW (18 dBm), 100 mW EIRP
RF Receiver Sensitivity	-100 dBm
RF Transmit Distance	Up to 100 meters / 328 feet
RF Communication	Wireless IEEE 802.15.4 Supports router/ range extender function Frequency Band: 2.4000 ~ 2.4835 GHz Protocol: ZigBee Standard Home Automation
Buttons	Power button / S1 link switch

LED Indication	ON/OFF (Red): Solid when user AC socket is powered Status (Green): Flashes when the plug is connected to an RF network with the plug powered on. Red+Green at the same moment: Unit reset
Management	iPhone & iPad app; Android app Remote access (Internet) Email notifications Sensor control; schedule control; manual
Environment	0°C ~ 40°C / 32 °F ~ 104 °F 0 ~ 80 %RH (non-condensing) Indoor use only
Color	Pearl-white
Material	UL 94_V0 fire protection material
Dimensions	(L) 68 X (W) 29 X (H) 50 mm / (L) 2.68 X (W) 1.14 X (H) 1.97 inches
Weight	81.5 g / 2.9 oz
Certification	FCC, NCC, UL (UL certification files for UL498A and UL60950)

9. Regulatory Information



**CAUTION
NEUTRAL FUSING**



Thank you for choosing the A11. We are looking forward to working with you!