

## Description:

Smart plug, smart outlets or smart meter plug are the next generation of devices that stand in between your wall socket and anything you want to plug into it (X-Box, coffee machine, fan, stereo, oven, lamp, server...etc and so many more). If it plugs in, you can live life differently as below with SentrolCloud APP:

- Instantly turn on and off any device from your smartphone - from across the world or just your living room.
- Save money and conserve energy over time by eliminating standby power.
- Measure and record the power usage of any device, and increase its operating lifespan through more efficient use and scheduling.
- With multiple A11 plugs, you can control as much or as little of your home as you like.

The power of Smart Plug is that the solution gives you tangible numbers into your energy consumption on device level. That way, you can see precisely how much energy you are using, when and on what, in turn, enables you to take smart actions that provide the greatest possible energy savings, without the need for you to make any sacrifices in terms of living comfort and environment-friendly. In no time, you can prepare switching plans for your connected appliances that fit with your lifestyle.

**Smart Plug co-exist with normal plug because of its small size**

## Features & Benefits

### ■ Compact Size & stylish design

Small size with pearl-white color, the unit is suited to apply in any residential apartment, building, house, hotel, hostel, retreat center, senior care and assisting living center, hospital, warehouse, retail store, movie theater, stadium, school, transportation stations, museum, factory, office and studio...etc.

### ■ Stringent tests verification

Smallest size on the market while it still has passed stringent tests to guarantee safety in use when applying with other devices.

### ■ Power metering

A11 Smart plug plugs in between any appliance and the AC outlet. It measures your device power consumption and sends that information over ZigBee wirelessly to your smart phone, where the app displays your real consumption.

### ■ Reliable network

Robust wireless MESH network via ZigBee, a global wireless standard, makes it easy to interoperate with ZigBee-enabled gateway to form a sound network of security and remote control.

### ■ Inspire smart choices

Power consumption information from attached electrical devices can be communicated for monitoring or control of the attached appliance. Information including on/off status, operating range and erratic behavior can be determined and used to initiate subsequent actions, such as powering off a device.

### ■ Functions as a range extender to extend transmission range

A11 expands and increases the wireless signal transmission to form a more robust wireless sensor network as a router.



Installs Smart Plug



Attach other device on Smart Plug

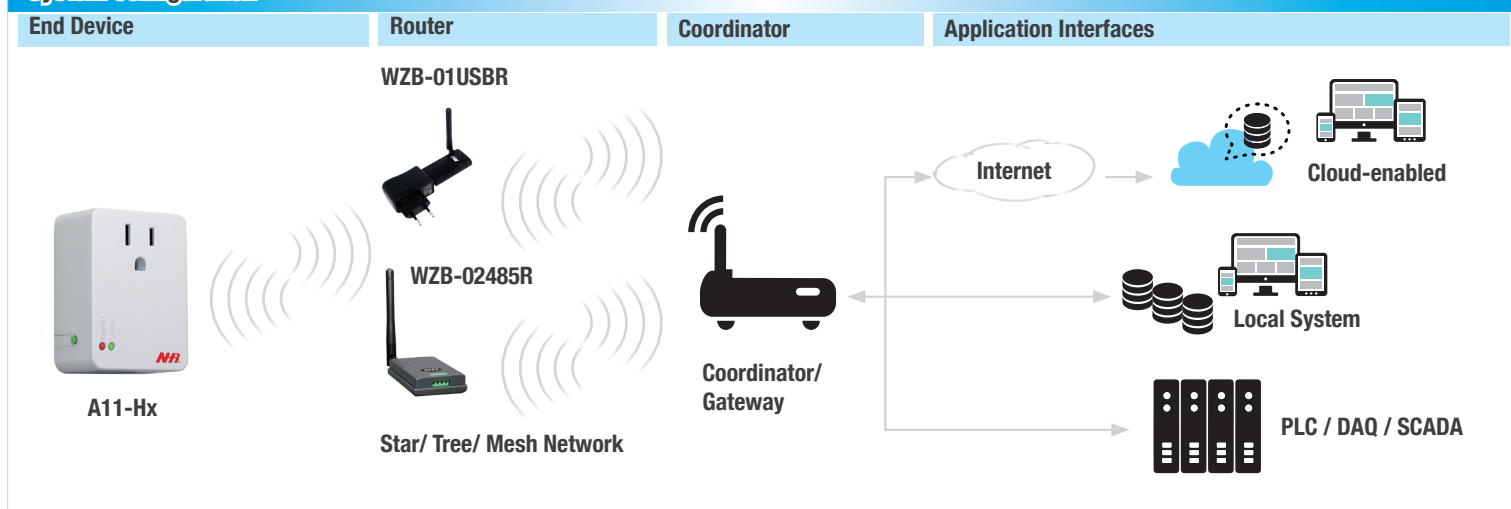


Install other normal plug

## Specifications

Key Function	On/off attached device from smart devices remotely	Buttons	Power button / S1 link switch
	Reports power consumption, on/off status of attached devices	LED Indication	On/Off (Red): Solid when user AC socket is powered
	Bridges other wireless devices as router		Status (Green): Blinks when the plug is powered on, and the unit is linked to a RF network.
	Other normal plug can be plugged simultaneously because of its small size		Red+Green at the same moment: unit reset
Electrical	Operating Voltage: 100 ~ 120 VAC (A11-H1); 200 ~ 240 VAC (A11-H2)	Management	iPhone & iPad app; Android app
	Power Frequency: 50 ~ 60 Hz		Remote access (Internet)
	Max. Load Capacity: US: 12 A/120 VAC (A11-H1); EU: 7A/240VAC (A11-H2)		Email notifications
Power Sensor	Accuracy: +/- 5 %	Environment	Sensor control; schedule control; manual
	Detects current draw from user AC socket; Range: 0A to 12A		0°C ~ 40°C / 32 °F ~ 104 °F
RF Transmit Power	63 mW (18 dBm), 100 mW EIRP		0 ~ 80 %RH (non-condensing)
RF Receiver Sensitivity	-100 dBm	Color	Indoor use only
RF Transmit Distance	100 meters in open space	Material	Pearl-white
RF Communication	Wireless IEEE 802.15.4	Dimensions	UL 94_V0 fire protection material
	Supports router/ range extender function		A11-H1: (L) 68 X (W) 29 X (H) 50 mm / (L) 2.68 X (W) 1.14 X (H) 1.97 inches
	Frequency Band: 2.4000 ~ 2.4835 GHz	Weight	A11-H2: (L) 96 X (W) 31 X (H) 51 mm / (L) 3.78 X (W) 1.22 X (H) 2.01 inches
	Protocol: ZigBee Standard Home Automation	Certification	81.5 g / 2.9 oz (A11) ; 113.0 g / 4.0 oz (A11-H2)
			FCC, NCC, UL (A11) ; CE (A11-H2)

## System Configuration



## Ordering codes

Ordering codes	Description
A11-H1	ZigBee smart meter plug with ZigBee Home Automation Profile - US type
A11-H2	ZigBee smart meter plug with ZigBee Home Automation Profile - EU type
A11-H3	ZigBee smart meter plug with ZigBee Home Automation Profile - UK type (Pending)
WZB-01USB	ZigBee USB dongle
WZB-05ET	ZigBee ethernet gateway (Supports DHCP)
G07	SentrolCloud controller gateway for ethernet / 3G / Wi-Fi
WZB-01USBR	ZigBee repeater/ router - AC universal adaptor power supply
WZB-02485R	ZigBee repeater/ router - DC 9 ~ 24 power supply
SentrolCloud	Cloud-enabled user platform and service