

Smart Plug



1. Introduction

The smart plug is a smart device with a built-in ZigBee module. Users can install a SparxSmart APP on their iOS or Andriod platforms and set scenes to turn on/off home appliances via 2G/3G/4G/Wi-Fi. Besides, it measures power consumption and there is a USB port on it for power charging.

2. Features

- Support standard protocol IEEE802.15.4;
- Turn on/off devices manually;
- Turn on/off device on APP.

3. Application

The smart plug can be used to turn on/off devices and detect electricity consumption

Note: 1). It is only applied for low-voltage devices (< 220V)

2). USB charging is applied for mobile phone only

4. Product Standard

Comply with the standard system of smart home.

5. Certification

Comply with 3C/FCC/CE/RoHS certification.

6. Product Parameters

6.1 Appearance Specification

Appearance	Parameters
Size	110 x 59x 34.5mm
Outer shell	Fireproof ABS

6.2 Hardware specification

Item	Hardware Specifications
Chipset	CC2530F256
Button	On/off button
Indicator	Blue LED
Power detection	Degree of precision: 5%
Rated power/current	AC110~220V 10A
USB output	5V/1A
ZigBee	
Wireless standard	IEEE802.15.4
Wireless output power	20dBm(max)
Wireless receiving sensitivity	-97dBm(min)

Wireless coverage area	100m
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6.3 Software Specification

Item	Software Specifications
Turn on/off	-When the button is pressed for 6s, the blue light flashes twice indicating it is connecting to server. -It flashes three times indicating the device is ready for working
Firmware upgrade	Upgrade firmware via the serial port

7. Product functions

Functions
● Turn on/off power
● Control devices on the APP.
● Detect power consumption
● USB charging

8. Product Performance

Item	Performance
ZigBee Performance	To be tested
Reliability	To be tested
Certification	To be tested

9. Product Requirements

9.1 Working Environment

Working Environment	Requirement
Storage Temperature	-20°C~+60°C
Operating Temperature	-10°C~+50°C
Humidity	0~90%, Non-Condensing

9.2 Installation

- Plug it into a in-wall outlet.

