

Smart Plug(US)

[Download Spec](#)

The wireless smart plug features functions such as power management and child lock safety protection.



1. Features

ON/OFF

- 1 × Power switch button

Energy monitoring

- Support power consumption monitoring

Child lock

- Support

When enabled, physical button will be locked. The plug can not be controlled locally.

Remote setting and testing

- Setting and testing from RB Link App

Advanced features

- Power up enrolling *When plug is powered up, it will automatically start paring to the hub nearby*
- Find me *When enabled, the plug starts flashing blue, which can help identify the plug from numerous devices.*
- Signal strength detection *When enabled, App shows green/orange/red indicating the wireless signal strength between the hub at current installation place.*

Indicator

- ON: Blue on
- OFF: Blue off

2. RBF wireless technology

Wireless signal range

- 915 MHz Smart Plug: Up to **1,900 m** in an open space with hub
- Two-way communication with hub

Frequency bands

- 902 ~ 928 MHz

Wireless signal modulation

- FSK / DSSS

Encrypted communication

- All the data transmitted are protected by AES-CCM encryption with a random key.

Frequency hopping (FHSS)

- To prevent radio interference and radio signal interception.

Time division multiple access (TDMA)

- With the help of clock synchronization technology, hub will slice time into different division for different RBF wireless devices. In this way, all devices will communicate with hub in a sequence.

3. Electrical Characteristics

Power Supply

- 110 V~ $\pm 10\%$; 50/60 Hz
- Max 15 A
- Max 1800 W

Overvoltage protection

- Min-92 V~
- Max-132 V~

4. General

Operation Temperature

- From -10°C to +55°C (14°F to 131°F)

Operation Humidity

- From 10% to 90%

Storage Temperature

- From -20°C to 60°C (-4°F to 140°F)

Dimension(WxHxD)

- 80mm × 38mm × 48.5mm

Weight

- 60.6 g

5. Compatibility

- Operates with all RoomBanker Home Security Hubs, RBF repeaters.

6. Complete set

Product	Quantity
Smart Plug (US Standard)	× 1
Quick Start Guide	× 1

7. Additional information

Available models

- RBAD-PL1-915(US)

Certifications

- CE, CB
- FCC
- ICASA
- LOA
- RCM
- NOM
- Anatel

Warranty

- Replacement and repair within 24 months of the date of sale.

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your 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.

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