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› SURFOU ZigBee Smart Plug 16A User Manual

SURFOU ZigBee plug 1PACK

SURFOU ZigBee Smart Plug 16A User Manual

Model: ZigBee plug 1PACK

1. INTRODUCTION

This manual provides comprehensive instructions for the SURFOU ZigBee Smart Plug 16A. It covers product features, setup procedures, operational guidelines, maintenance tips, troubleshooting, and technical specifications. Please read this manual carefully before using the product to ensure safe and optimal performance.

2. PRODUCT OVERVIEW

The SURFOU ZigBee Smart Plug 16A is designed to integrate seamlessly into your smart home ecosystem, offering remote control, voice control, energy monitoring, and scheduling capabilities for connected appliances. It requires a ZigBee hub for functionality.

Key Features:

- **App Control:** Manage your devices remotely via a compatible smart home app.
- **Voice Control:** Compatible with Amazon Alexa, Google Home, and SmartThings for hands-free operation.
- **Energy Monitoring:** Track the power consumption of connected appliances.
- **Scheduling & Timer:** Set custom schedules and countdown timers for automatic on/off functions.
- **Safety Features:** Includes overload and overheating protection, and child-safe contacts.



Image 2.1: Front view of the SURFOU ZigBee Smart Plug 16A.

3. SETUP INSTRUCTIONS

To set up your SURFOU ZigBee Smart Plug, follow these steps:

1. **Install the App:** Download the appropriate smart home app based on your existing ZigBee gateway (e.g., Samsung SmartThings, Amazon Alexa/Echo, Google Home, or Philips Hue Bridge). Refer to your hub's guide for the correct app.
2. **Plug In:** Insert the smart plug into a wall outlet.
3. **Pairing Mode:** Put the smart plug into pairing mode. This usually involves pressing and holding the power button on the plug for a few seconds until an indicator light flashes.
4. **Add Device:** Open your smart home app and follow the instructions to add a new ZigBee device. The app will search for and connect to the smart plug.
5. **Ready for Use:** Once successfully paired, the plug is ready for use.

Note: A ZigBee gateway/hub is required and is not included with the smart plug.

SCENARI DI APPLICAZIONE

Questa presa Zigbee intelligente deve essere utilizzata con un hub



Image 3.1: Diagram illustrating the smart plug connected to a ZigBee hub, controlling various household appliances.

COMPATIBILE CON TUTTI GLI HUB ZIGBEE

(Apple Homekit non è supportato)



Image 3.2: Visual representation of the smart plug's compatibility with various ZigBee hubs, including Amazon Echo (Alexa), Samsung SmartThings Hub, Philips Hue Bridge, Google Home Assistant (HA), e-Welink, FEIBIT, REXENSE, and Tuya/Smart Life. Apple Homekit is not supported.

4. OPERATING INSTRUCTIONS

4.1 App Control

After successful pairing, you can control the smart plug directly from your chosen smart home app. This allows you to turn devices on or off from anywhere with an internet connection.

4.2 Voice Control

Integrate the smart plug with voice assistants like Amazon Alexa or Google Home. Once linked, you can use voice commands to control connected appliances.

Example Commands:

- "Alexa, turn on the lamp."
- "Hey Google, turn off the coffee machine."

CONTROLLO VOCALE



Funktioniert mit
Assistente Google



Funktioniert mit
Amazon Alexa

Image 4.1: An individual using voice commands to control a light via an Alexa device, demonstrating the voice control feature.

4.3 Group Control

Many smart home apps allow you to group multiple smart plugs or devices. This enables you to control several appliances simultaneously with a single command or tap.



Image 4.2: An illustration showing how to group household appliances like lamps, irons, fans, and kitchen hood for simultaneous control via a smartphone app.

5. ENERGY MONITORING

The SURFOU ZigBee Smart Plug features an energy consumption indicator. This allows you to monitor the power usage of connected devices in real-time through your smart home app. This feature can help identify energy-intensive appliances and promote energy-saving habits.

RISPARMIARE ENERGIA, RISPARMIARE DENARO

Monitoraggio dell'energia



Image 5.1: A smartphone screen displaying a bar graph of energy consumption data for a connected coffee machine, illustrating the energy monitoring capability.

6. SCHEDULING AND TIMER FUNCTIONS

Program your ZigBee Smart Plug to automatically turn devices on or off at specific times. This can be used for daily routines, such as turning on lights at dusk or turning off appliances at bedtime. The countdown timer function allows you to set a duration after which the plug will automatically switch off the connected device, helping to prevent unnecessary energy consumption.

FUNZIONE TIMER

È possibile impostare un programma o un timer per accendere o spegnere le unità a una determinata ora. essere accese o spente a una certa ora.



Image 6.1: A smartphone displaying a schedule interface for the smart plug, showing programmed on/off times for various devices in a kitchen setting.

7. SAFETY FEATURES

The SURFOU ZigBee Smart Plug is designed with multiple safety mechanisms to protect your home and family:

- **Overload Protection:** The smart plug automatically shuts off if the connected appliance draws too much current (up to 16A, 3680W supported).
- **Overheating Protection:** In case of excessive temperature, the plug will automatically power down.
- **Short-circuit Protection:** Safeguards against electrical short circuits.
- **Fire-retardant Material:** Constructed from materials designed to resist fire.
- **Child-safe Contacts:** Hidden contacts prevent accidental electric shock, enhancing child safety.

PROGETTATO PER LA SICUREZZA



Image 7.1: An exploded view diagram highlighting the internal safety features of the smart plug, including fire-retardant material, short-circuit protection, overpressure protection, and overload protection.

8. MAINTENANCE

To ensure the longevity and proper functioning of your smart plug, follow these maintenance guidelines:

- **Cleaning:** Disconnect the plug from the power outlet before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the plug in a cool, dry place away from direct sunlight and extreme temperatures when not in use for extended periods.
- **Handling:** Avoid dropping or subjecting the plug to strong impacts. Do not attempt to disassemble or repair the device yourself.

9. TROUBLESHOOTING

If you encounter issues with your SURFOU ZigBee Smart Plug, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Plug does not connect/pair with hub.	Incorrect pairing procedure, hub not in pairing mode, plug too far from hub, hub incompatibility.	Ensure the hub is in pairing mode. Press and hold the plug's button to enter pairing mode. Move the plug closer to the hub. Verify your hub is listed as compatible (see Section 3). Try resetting the plug and hub.
Device connected to plug does not turn on/off.	Plug is not powered, device is faulty, plug is overloaded, app/voice command error.	Check if the plug is securely inserted and receiving power. Test the connected device directly in a wall outlet. Ensure the total wattage of the connected device does not exceed 3680W (16A). Verify app commands or voice commands are correct.
Energy monitoring data is inaccurate or not displayed.	App synchronization issue, temporary glitch.	Refresh the app. Ensure the app and plug firmware are up to date. Restart the app or the smart plug.
Plug frequently disconnects.	Weak ZigBee signal, interference, hub issues.	Move the plug closer to the ZigBee hub or another ZigBee repeater. Check for sources of interference (e.g., Wi-Fi routers, other wireless devices). Ensure your ZigBee network is stable.

10. SPECIFICATIONS

Feature	Specification
Product Dimensions	50 x 50 x 50 mm
Weight	20 grams
Model Number	ZigBee plug 1PACK
Operating Mode	On-off
Rated Current	16 Ampere
Operating Voltage	230 Volt
Contact Type	Normally open
Brand	SURFOU
Terminal	Through Hole
Circuit Type	2-way
Contact Material	Stainless Steel
International Protection Rating	IP68
Country of Origin	China

11. WHAT'S IN THE BOX

The SURFOU ZigBee Smart Plug 16A package includes:

- 1 x SURFOU ZigBee Smart Plug
- 1 x User Manual (Synopsis)

12. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact SURFOU customer service through the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

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