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BN-LINK CP-C11

BN-LINK Smart In-Wall Outlet (Model CP-C11) User Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your BN-LINK Smart In-Wall Outlet (Model CP-C11). Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Product Overview

The BN-LINK Smart In-Wall Outlet is designed to provide convenient control over your plugged-in devices. It features two independently controllable AC outlets and a USB-C charging port, all integrated into a standard wall outlet form factor. Control your devices remotely via the Smart Life app or through voice commands with compatible smart assistants.



Figure 1: Product Components. This diagram illustrates the key features of the BN-LINK Smart In-Wall Outlet, including the front plate, the manual on/off button for the AC outlets, the USB-C charging port, and the two AC outlets that can be controlled independently.

2.1 Key Features

- **Remote Access:** Control and monitor your wall outlet from anywhere using the free Smart Life app. Requires a 2.4 GHz Wi-Fi network. No hub required.
- **Independent Outlet Control:** Control the top and bottom AC receptacles separately. Schedule each outlet to turn on and off independently.
- **Dual High-Speed USB-C Output:** Integrated USB-C port for charging devices without needing an adapter, leaving AC outlets free. (Note: USB port is always on and not app-controllable).
- **Child-Safe Design:** Tamper-resistant design and screwless wall plate enhance electrical safety.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for hands-free control.
- **Timer and Schedule Functions:** Program custom schedules for your connected devices.

3. Safety Information

Please observe the following safety precautions:

- **Risk of Electric Shock:** Installation should be performed by a qualified electrician or a person with knowledge of electrical wiring. Always turn off power at the circuit breaker before installation.
- **Indoor Use Only:** This device is intended for indoor use in dry locations only.
- **Voltage and Current:** Do not exceed the maximum load rating of 15A, 1800W, 125V AC.
- **Grounding:** Ensure proper grounding during installation.
- **Child Safety:** The tamper-resistant design helps prevent accidental insertion of objects into the outlets.

4. Package Contents

Verify that all items are present in your package:

- BN-LINK Smart In-Wall Outlet (Model CP-C11)
- Screwless Wall Plate
- Traditional Decorator Wall Plate
- Wire Nuts (typically included for wiring)
- User Manual (this document)

5. Setup and Installation

Important: Before beginning installation, ensure the power is turned OFF at the circuit breaker for the outlet you are replacing.

5.1 Tools Required

- Screwdriver (Phillips and/or Flathead)
- Wire Strippers (if needed)
- Voltage Tester (recommended)

5.2 Wiring Requirements

This smart outlet requires a neutral wire for proper operation. Ensure your electrical box has a neutral wire (typically white) available.

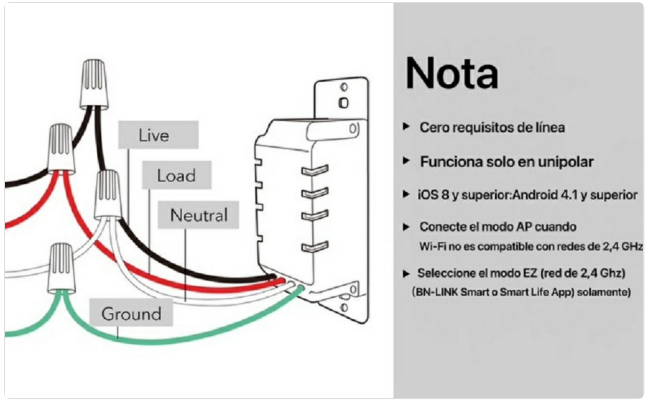


Figure 2: Wiring Diagram. Connect the wires as shown: Black (Live/Hot), White (Neutral), Green (Ground). Ensure all connections are secure.

5.3 Installation Steps

1. **Turn Off Power:** At the circuit breaker, turn off the power to the outlet you are replacing. Verify power is off with a voltage tester.
2. **Remove Old Outlet:** Unscrew and carefully pull out the existing outlet from the wall box. Disconnect the wires from the old outlet.
3. **Identify Wires:** Identify the Live (usually black), Neutral (usually white), and Ground (usually green or bare copper) wires from your wall box.
4. **Connect Smart Outlet:** Connect the wires from the wall box to the corresponding wires on the BN-LINK Smart Outlet using wire nuts:
   - Black (Live/Hot) to Black wire of the smart outlet.
   - White (Neutral) to White wire of the smart outlet.
   - Green (Ground) to Green wire of the smart outlet.

   Ensure all connections are tight and secure.
5. **Mount Outlet:** Carefully push the wired outlet back into the wall box. Secure it with the provided screws.
6. **Attach Wall Plate:** Snap on the screwless wall plate or attach the traditional decorator plate.
7. **Restore Power:** Turn the power back ON at the circuit breaker. The indicator light on the smart outlet should begin flashing, indicating it's ready for pairing.

6. Operating Instructions

6.1 Manual Control

The small button located between the two AC outlets can be used to manually turn both AC outlets ON or OFF. Press once to toggle the state.

6.2 App Control (Smart Life App)

To unlock the full features of your smart outlet, download and configure the Smart Life app.

1. **Download App:** Search for "Smart Life" in the Apple App Store or Google Play Store and download the app.
2. **Register/Login:** Open the app and register for a new account or log in with an existing one.
3. **Add Device:** Tap the "+" icon in the top right corner of the app, then select "Electrical Outlet" or "Wall Socket (Wi-Fi)".
4. **Pairing Mode:** Ensure the indicator light on the smart outlet is rapidly flashing (EZ Mode). If not, press and hold the manual control button for 5-10 seconds until it starts flashing rapidly. If it's flashing slowly, it's in AP Mode; press and hold again to switch to EZ Mode.
5. **Connect to Wi-Fi:** Enter your 2.4 GHz Wi-Fi network password. The app will then connect to the device.

6. **Control Outlets:** Once connected, you can rename the device and control each AC outlet independently within the app. You can also set schedules and timers.

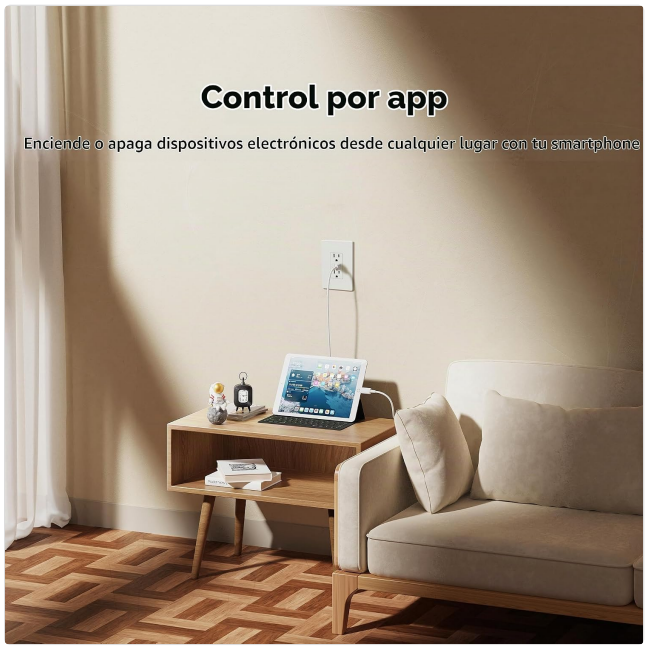


Figure 3: App Control. Manage your connected devices from anywhere using the Smart Life application on your smartphone or tablet.

6.3 Voice Control (Alexa/Google Assistant)

To enable voice control, link your Smart Life account to Amazon Alexa or Google Assistant.

1. **Link Account:** In the Alexa or Google Home app, navigate to "Skills & Games" (Alexa) or "Works with Google" (Google Home) and search for "Smart Life".
2. **Enable Skill:** Enable the Smart Life skill/service and link your Smart Life account using your credentials.
3. **Discover Devices:** Once linked, ask your voice assistant to "Discover devices" or manually add them.
4. **Voice Commands:** You can now control your outlets using commands like:
    - "Alexa, turn on [Outlet Name]"
    - "Hey Google, turn off [Outlet Name]"
    - "Alexa, set [Outlet Name] to 50%" (if applicable for dimmable devices connected)

    (Replace "[Outlet Name]" with the name you assigned in the Smart Life app, e.g., "Lamp", "Coffee Maker Top", "Coffee Maker Bottom").



Figure 4: Voice Control. Use Amazon Alexa or Google Assistant for convenient, hands-free control of your smart outlets.

6.4 USB-C Charging Port

The integrated USB-C port provides 5V/2.4A output for charging compatible devices. This port is always active and cannot be controlled via the app or voice commands.

7. Maintenance

- **Cleaning:** Disconnect power before cleaning. Wipe the device with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Firmware Updates:** The Smart Life app may prompt you for firmware updates. It is recommended to keep the device firmware updated for optimal performance and security.
- **Environmental Conditions:** Ensure the device is used within its specified operating temperature and humidity ranges.

8. Troubleshooting

Problem	Possible Cause	Solution
Device cannot connect to Wi-Fi.	Incorrect Wi-Fi password; Not a 2.4 GHz network; Device too far from router; Incorrect pairing mode.	• Ensure you are using a 2.4 GHz Wi-Fi network. • Verify Wi-Fi password. • Move the device closer to the router. • Ensure the indicator light is rapidly flashing (EZ Mode). If not, reset the device by holding the button for 5-10 seconds. • Try AP Mode if EZ Mode fails (indicator light flashes slowly).

Voice control not working.	Smart Life skill not enabled; Account not linked; Device not discovered; Incorrect device name.	• Ensure the Smart Life skill is enabled and your account is linked in the Alexa/Google Home app. • Ask your voice assistant to "Discover devices". • Check the device name in the Smart Life app and use that exact name in your voice commands.
Outlet is unresponsive.	No power; Overload; Wi-Fi connection lost.	• Check the circuit breaker. • Ensure the connected device does not exceed the maximum load (15A/1800W). • Check Wi-Fi connectivity in the Smart Life app. • Try resetting the device by turning off power at the breaker for a few minutes, then turning it back on.
USB-C port not charging.	Device not compatible; Cable issue; No power to outlet.	• Ensure your device is compatible with USB-C charging. • Try a different USB-C cable. • Verify the outlet has power.

9. Specifications

Parameter	Value
Model	CP-C11
Input Voltage	125V AC, 60Hz
Max Load Current	15A
Max Power	1800W
USB-C Output	5V / 2.4A
Wi-Fi Standard	IEEE 802.11 b/g/n, 2.4GHz only
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	10% to 90% RH, non-condensing
Dimensions (L x W x H)	11.5 x 7 x 4.5 cm (approx.)
Material	Plastic, Copper, Brass

10. Warranty and Support

BN-LINK products come with a standard limited warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official BN-LINK website. For technical support, troubleshooting assistance, or any inquiries, please contact BN-LINK customer service:

- **Website:** www.bn-link.com (Example, actual URL might vary)

- **Email:** support@bn-link.com (Example, actual email might vary)
- **Phone:** (Refer to product packaging or website for contact number)

Please have your model number (CP-C11) and purchase information ready when contacting support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Details

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