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BN-LINK CP-C10

BN-LINK WiFi Smart In-Wall Light Switch Instruction Manual

Model: CP-C10 | Brand: BN-LINK

Product Overview

The BN-LINK WiFi Smart In-Wall Light Switch (Model CP-C10) provides convenient control over your lighting. It integrates with smart home ecosystems like Alexa and Google Assistant, allowing for voice control and remote management via a dedicated app. This switch features a timer function for automated scheduling and requires a neutral wire for installation. It operates on a 2.4 GHz wireless network.

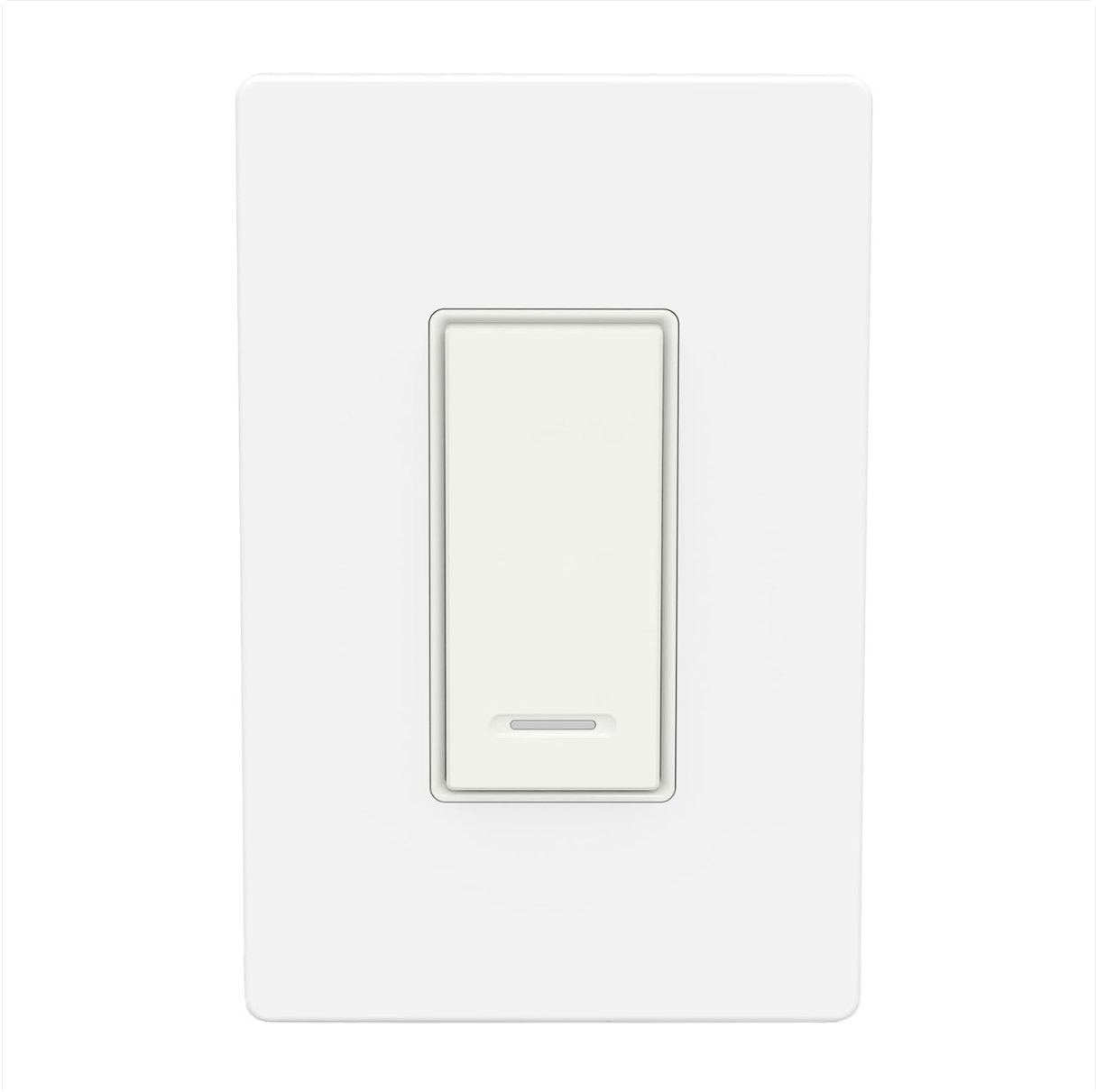


Image: Front view of the BN-LINK WiFi Smart In-Wall Light Switch.

Key Features

- **Voice Control:** Compatible with Google Assistant/Alexa for hands-free operation. No hub required.
- **App Remote Control:** Manage your lights from anywhere using the free Smart Life APP.
- **Timer Setting:** Create daily schedules to automatically turn lights on/off.
- **Neutral Wire Required:** Essential for proper installation.
- **Single-Pole Setup:** Works exclusively in single-pole configurations.
- **2.4 GHz Network Only:** Supports 2.4 GHz wireless networks.

Image: Overview of the smart switch's features including Wi-Fi connectivity, remote control, voice control, overload protection, timer schedule, and groups.

Setup and Installation

Important Safety Information

- Always turn off power at the circuit breaker before beginning any electrical work.
- A neutral wire is required for this smart switch. If your wall box does not have a neutral wire, the smart switch cannot be installed.
- Works in a single-pole setup only. Not compatible with 3-way (multi-location control) switches.
- Support 2.4 GHz wireless network only.
- Do not install in damp environments.
- Do not exceed the maximum load (15 Amps, 120 Volts).

Wiring Diagram

Image: A simplified wiring diagram showing Live, Load, Neutral, and Ground connections for the smart switch. Attention points include: Neutral Wire Required, Works in single pole ONLY, iOS 8 or higher Android 4.1 or higher, Connect with AP mode when your Wi-Fi doesn't support 2.4GHz network, Set Up in EZ Mode (2.4 Ghz Network Only, BN-LINK Smart or Smart Life App only).

General Installation Steps

The following video provides a general guide for installing a smart light switch. Please ensure you follow all safety precautions and consult a licensed electrician if you are unsure about any steps.

Your browser does not support the video tag.

Video: General guide on how to install a smart light switch. This video demonstrates turning off the circuit breaker, removing the old switch, identifying wires (neutral, line, load, ground), connecting the new smart switch wires, securing the switch, and attaching the wall plate. Note: This is a general installation guide and specific wiring may vary.

1. **Turn off Power:** Locate your circuit breaker and turn off the power to the light switch you are replacing. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Unscrew and carefully remove the old light switch from the wall box.
3. **Identify Wires:** Label the wires (Line, Load, Neutral, Ground) using the provided labels or a marker. The neutral wire is typically white.
4. **Connect New Switch:** Connect the wires from the wall box to the corresponding wires on the BN-LINK Smart Switch using wire nuts. Ensure all connections are secure.
5. **Mount Switch:** Gently push all wires back into the wall box and secure the smart switch with screws.
6. **Attach Wall Plate:** Snap the decorative wall plate onto the switch.
7. **Restore Power:** Turn the power back on at the circuit breaker.

App Download and Setup

Download the "Smart Life" app from the App Store or Google Play. Follow the in-app instructions to connect your smart switch to your 2.4 GHz Wi-Fi network. If you experience trouble connecting, try AP mode.

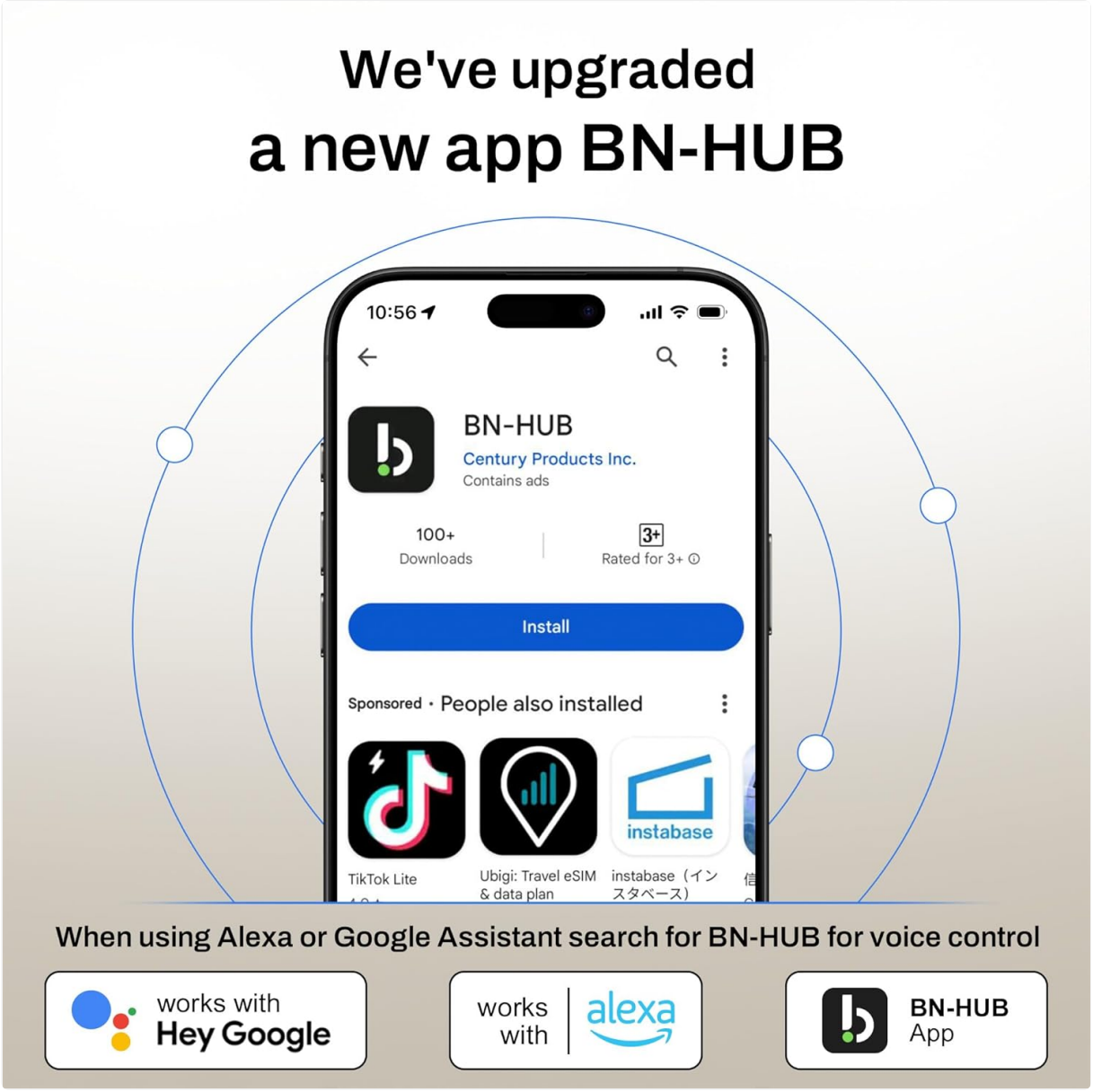


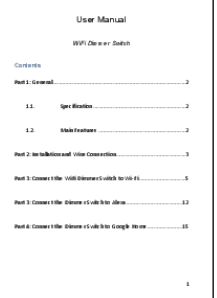
Image: Screenshot showing the BN-HUB app icon and instructions to search for BN-HUB for voice control when using Alexa or Google Assistant.

Operating Instructions

Voice Control

Once connected to Alexa or Google Assistant, you can control your lights with simple voice commands. For example:

- **Related Documents -** CP-C10

	[BN-LINK CP-C12 WiFi Dimmer Switch User Manual - Installation, Setup, and Voice Control Guide] Comprehensive user manual for the BN-LINK CP-C12 WiFi Dimmer Switch. Learn how to install, connect to Wi-Fi, set up with Alexa and Google Assistant, and troubleshoot common issues.
	[BN-LINK CP-U191 Dual Outlet Outdoor Digital Timer User Manual] Comprehensive user manual for the BN-LINK CP-U191 Dual Outlet Outdoor Digital Timer. Includes setup, programming, scheduling, vacation security, DST, and troubleshooting instructions.
	[BN-LINK CP-U49WT Wi-Fi Smart Appliance Timer Installation and Operation Manual] Comprehensive guide to the BN-LINK CP-U49WT Wi-Fi Smart Appliance Timer, covering installation, setup, operation, and integration with smart home systems like Alexa and Google Home. Features NEMA 3R enclosure and DPDT multi-voltage control for various electrical circuits.
	[BN-LINK BNE-60/U210S Dual Outlet Digital Timer User Manual] User manual for the BN-LINK BNE-60/U210S Dual Outlet Digital Timer. Learn how to set up, program, and use features like random mode and DST for energy saving. Includes ratings, warnings, and troubleshooting.
	[BN-LINK Smart Dimmer Switch User Manual] Comprehensive user manual for the BN-LINK Smart Dimmer Switch, detailing setup, Wi-Fi connection, and integration with Alexa and Google Assistant. Includes troubleshooting and FCC compliance information.
	[BN-LINK Outdoor WiFi Smart Plug CP-UOW16-3 User Manual] This user manual provides comprehensive instructions for the BN-LINK Outdoor WiFi Smart Plug (Model CP-UOW16-3), including product specifications, setup procedures, app integration with BN-HUB, Amazon Alexa, and Google Home, troubleshooting tips, and safety guidelines.