CLOUDY BAY CBHL7BLORB-8PK

CLOUDY BAY Smart Hardscape Lighting Instruction Manual

Model: CBHL7BLORB-8PK

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your CLOUDY BAY 7-inch Smart Hardscape LED Paver Lights. These low-voltage lights are designed to enhance your outdoor landscaping and pathways with versatile lighting options, including adjustable color temperature and RGB color-changing capabilities, seamlessly integrating with smart home systems like Alexa and Google Assistant.

2. Safety Information

- Always ensure the power is disconnected before installation or maintenance.
- This product operates on low voltage (12V AC). A compatible low voltage transformer (not included) is required.
- Ensure all connections are secure and waterproof for outdoor use.
- Do not cover the Bluetooth controller with metal or stone to avoid signal obstruction.
- The hardscape light and Bluetooth controller are a set; the controller cannot be connected to other types of lighting fixtures, including other CloudyBay smart low voltage lights.

3. Package Contents

Verify that all components are present before beginning installation:

- 8 x 7-inch LED Light Units
- 1 x Bluetooth Controller (BLE Controller)
- 1 x Hub
- 1 x 10-meter Cable (33ft, SPT2 18AWG*2 supply cord)
- 16 x Fastlock Connectors
- 32 x Screws
- 2 x Tapping Screws
- 24 x Anchor Rubber
- 2 x Waterproof Connectors (Blue)

- 17 x Waterproof Connectors (Black)



Figure 3.1: Product Dimensions and Included Accessories

4. Setup and Installation

Follow these steps for proper installation of your hardscape lighting system:

1. **Prepare the Installation Area:** Ensure the area where lights will be installed is clear and accessible. Remember that a low voltage transformer is required but not included.
2. **Position the Controller and Hub:** Place the Bluetooth controller and the hub at least 24 inches (60 cm) above the ground in an open area, free from signal obstructions such as metal boxes. This ensures optimal wireless connectivity.
3. **Cable Preparation:** If necessary, split the main cable to route to individual lights.

4. **Wire Connection:** Clip the wires into the grooved cap of the connector. Screw the cap onto the light body. Pass the bared wire of the light through the hole in the other cap and screw it on. Repeat for all light units.
5. **Connect Lights to Controller:** Connect the light units to the Bluetooth controller using the provided connectors. Ensure black wires connect to black, and white wires connect to white. One controller supports up to 8 light units.
6. **Connect to Power:** Connect the Bluetooth controller to your low voltage transformer (not included).
7. **App Setup:**
    - Download the CloudyBay APP (supports 2.4GHz WiFi only).
    - Set up the hub and add it to the APP by following the in-app instructions.
    - Set up the lights and add them to the APP by following the in-app instructions.

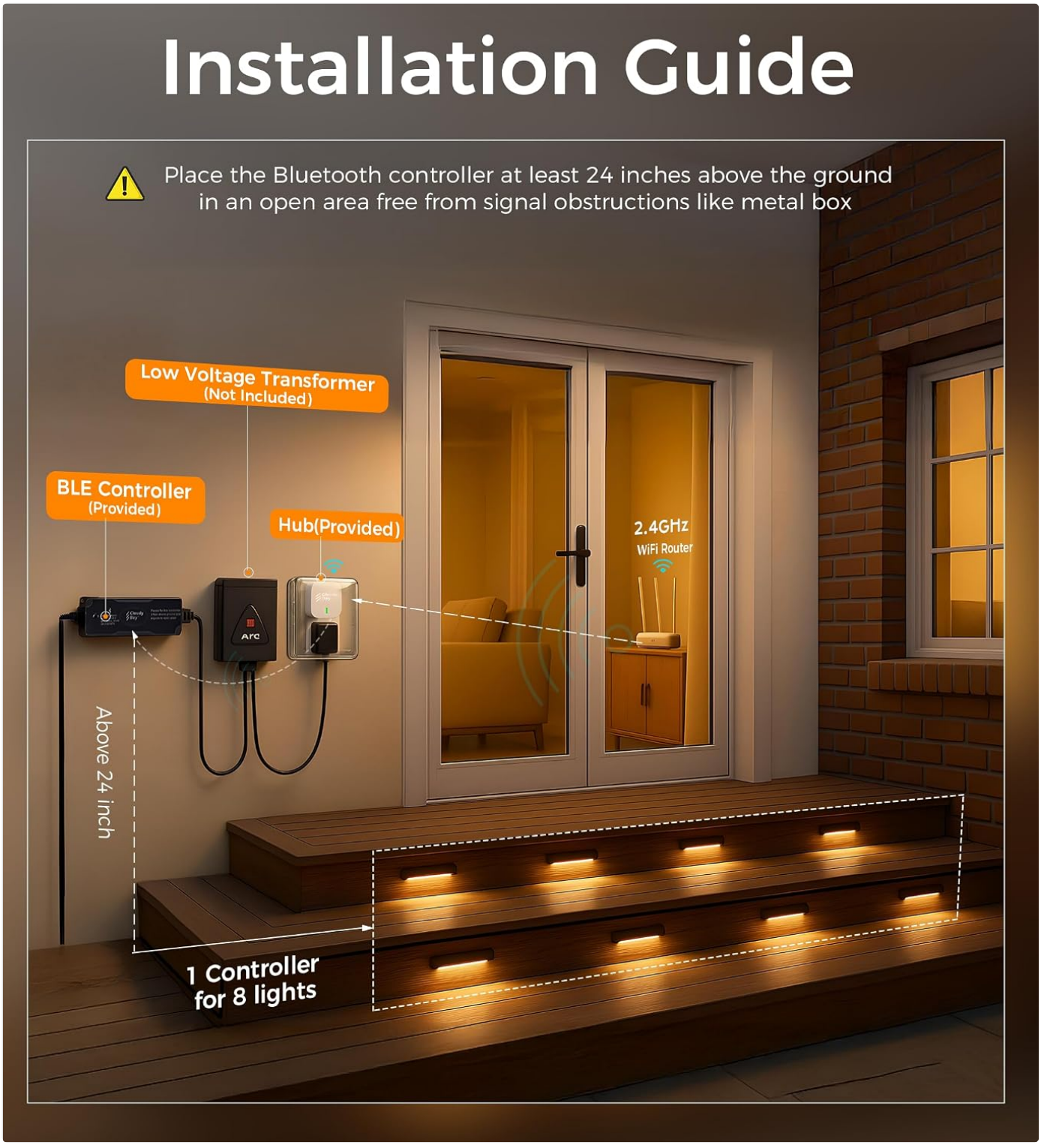


Figure 4.1: Installation Guide and Component Placement

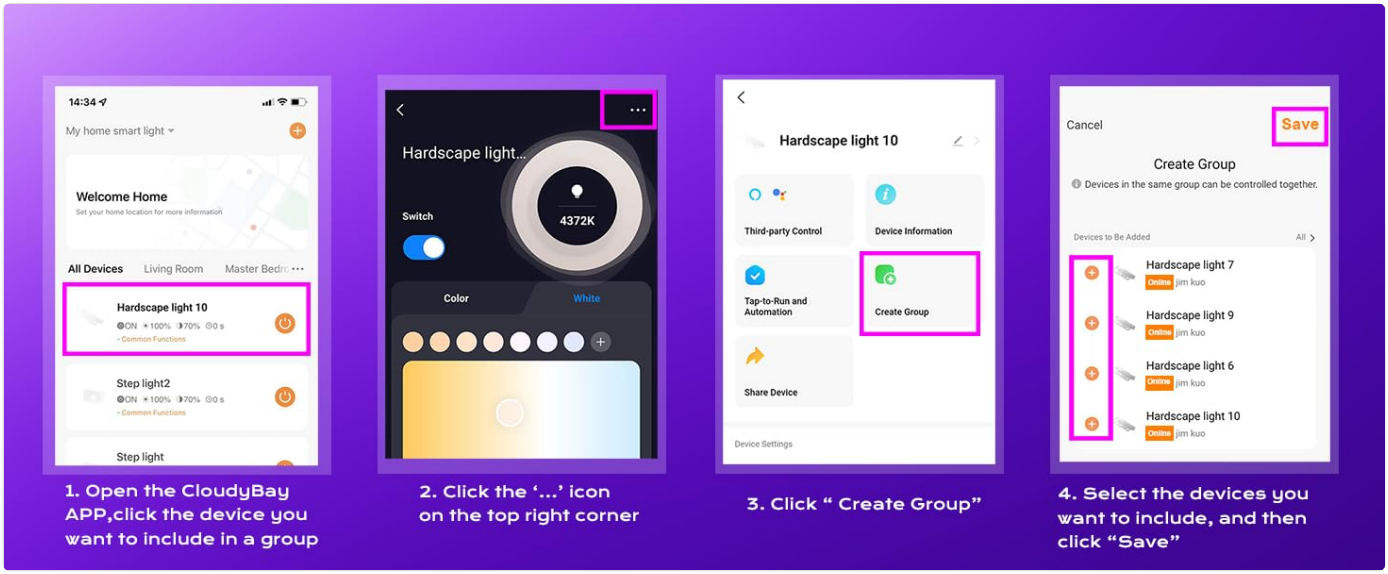


Figure 4.2: Wiring Connection Steps



Figure 4.3: App Setup Process

5. Operating Instructions

Your CLOUDY BAY Smart Hardscape Lights offer multiple control methods for a customized lighting experience.

5.1 Control Options

- **App Control:** Use the CloudyBay app on your smartphone to manage all lighting functions.
- **Voice Control:** Integrate with Amazon Alexa or Google Assistant for hands-free operation.
- **Bluetooth Remote Control:** Utilize the physical controller for basic functions.



Figure 5.1: Functions of the Bluetooth Controller Button

5.2 Lighting Features

- **Adjustable Color Temperature:** Select from 2700K (warm white) to 6500K (cool white) to match your desired ambiance.
- **RGB Color Changing:** Access 1.5W RGB color-changing capabilities for dynamic lighting effects and over 16 million colors.
- **Smooth Dimming:** Adjust brightness from 1% to 100%.
- **Music Sync:** Synchronize light changes with music played through your device (requires app screen to remain on).
- **Preset Scenes:** Choose from 8 preset scenes for various moods and occasions.
- **Group Control:** Group multiple lights together for simultaneous control with a single command.

- **Schedule/Timer:** Set schedules for lights to turn on or off automatically at specific times.

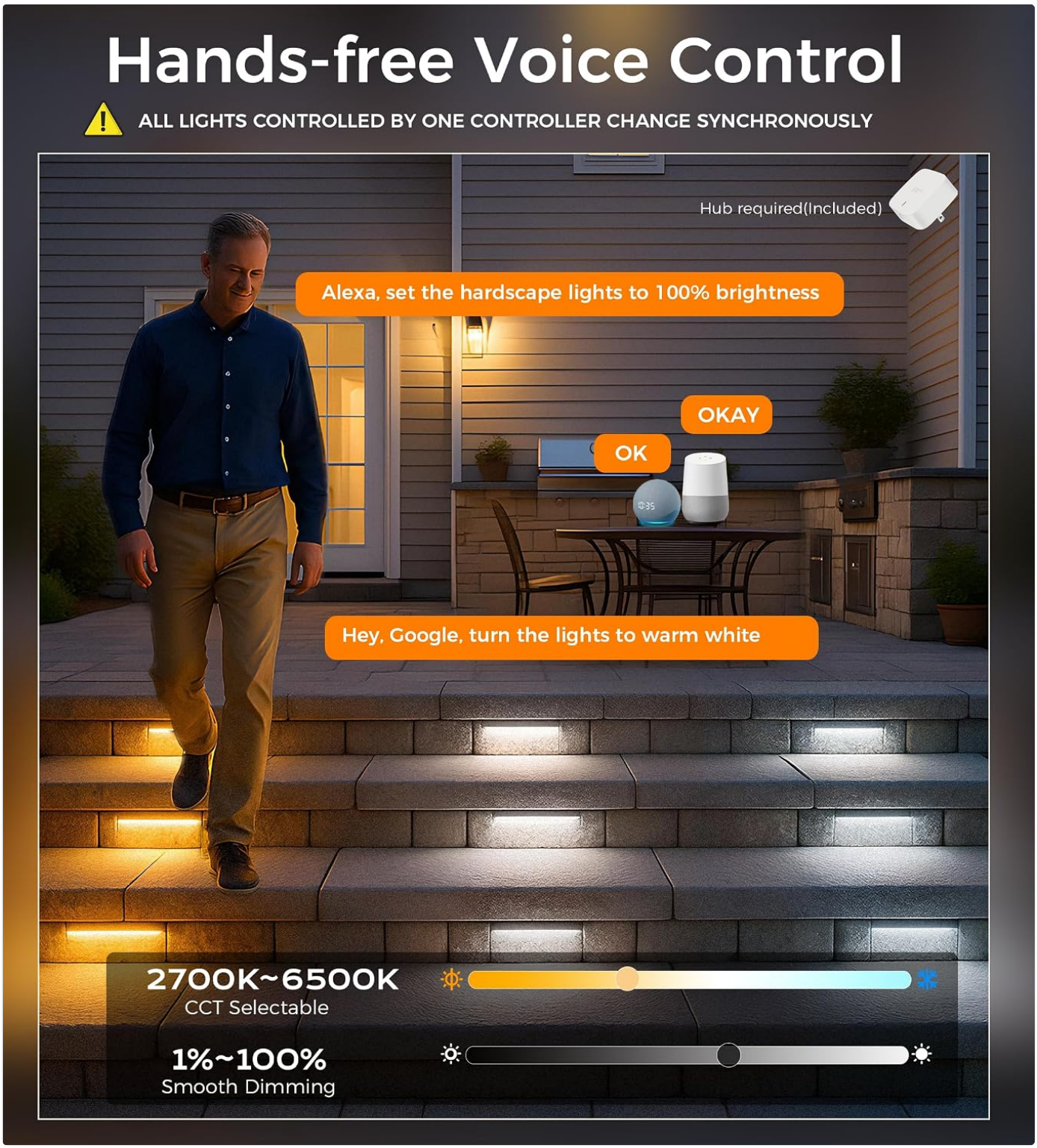


Figure 5.2: Hands-free Voice Control Demonstration



Figure 5.3: App Interface for Color and Scene Selection

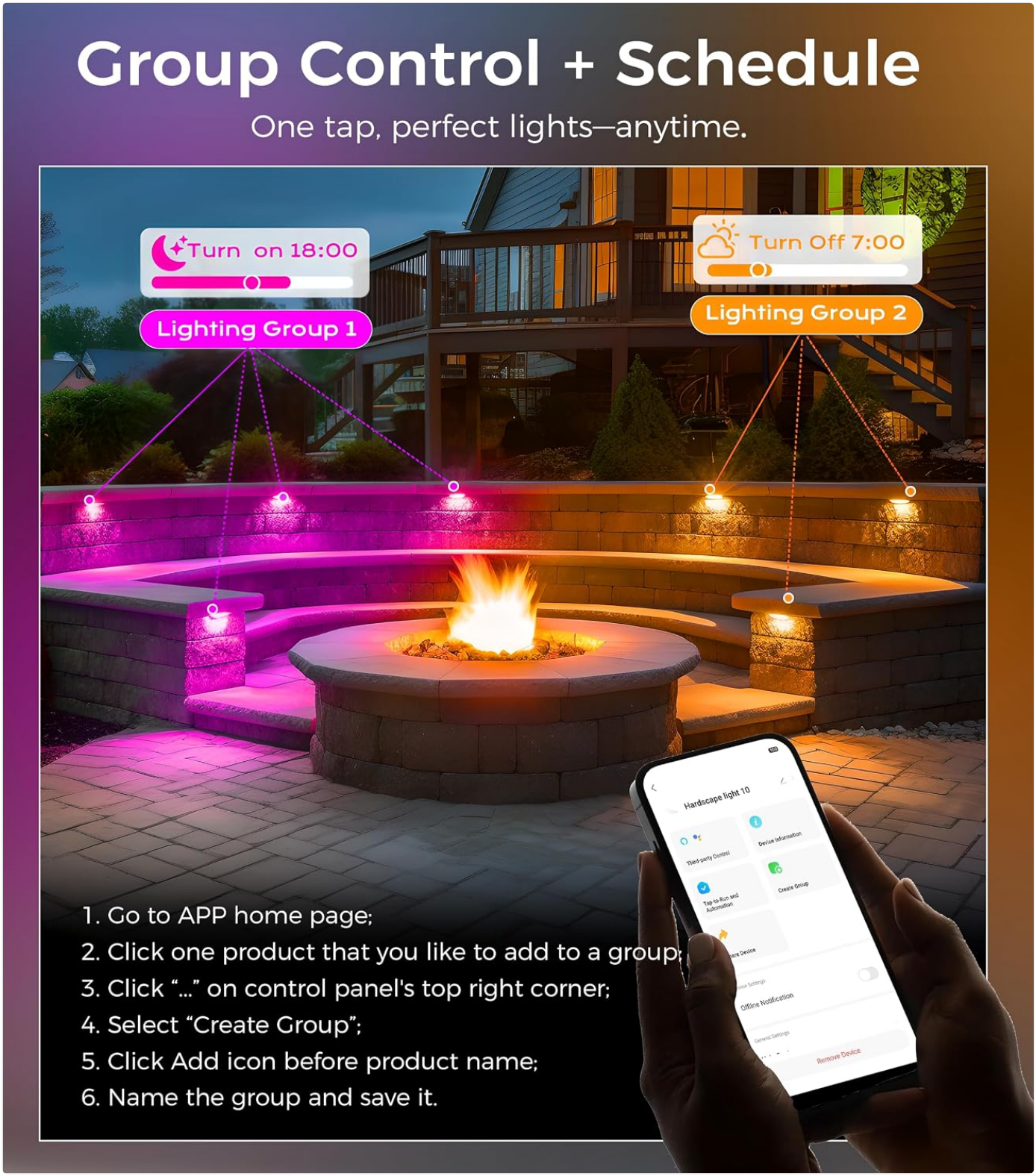


Figure 5.4: Group Control and Scheduling via App

5.3 Smart Home Integration

To link your lights with Alexa or Google Assistant:

1. Open the CloudyBay APP, click "Me", then tap the "Alexa" or "Google Assistant" icon under "Third-Party Voice Services".
2. Click "Sign In With Amazon" or the equivalent for Google Assistant.
3. The Alexa/Google Assistant APP will be called out; just click the "LINK" button.
4. Finish the linking process.

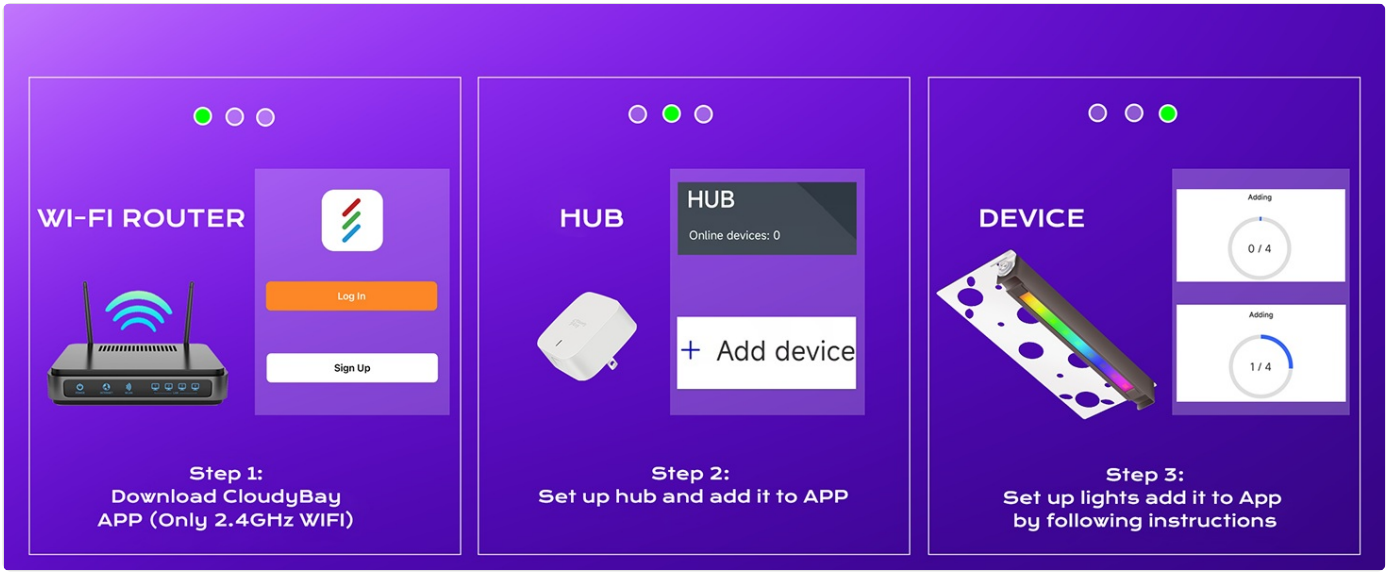


Figure 5.5: Linking with Amazon Alexa

6. Maintenance

The CLOUDY BAY Smart Hardscape Lights are designed for outdoor use with an IP65 waterproof rating, ensuring durability against various weather conditions. Regular maintenance is minimal.

- **Cleaning:** Periodically wipe the light fixtures with a soft, damp cloth to remove dirt and debris. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Occasionally check the wiring and connections for any signs of wear or damage. Ensure all waterproof connectors remain sealed.
- **Operating Temperature:** The lights are designed to operate within a temperature range of -4°F to 104°F (-20°C to 40°C).



Figure 6.1: Weather Resistance Features

7. Troubleshooting

If you encounter issues with your CLOUDY BAY Smart Hardscape Lighting, refer to the table below for common problems and their solutions.

Issue	Cause	How to Address
All Lights Won't Turn On	120V power supply burned the light	Replace the whole set
	Overloading of the transformer (<50W)	Replace the transformer
	Failed default setting of the BLE controller	Press the button of the BLE controller
	Improper wiring (White to black wire)	Correct the wiring (black to black wire)
	Loose connection between the connectors	Reconnect, make sure they are connected properly
Some Lights Won't Turn On	Improper wiring (White to black wire)	Correct the wiring (black to black wire)
	Loose connection between the connectors	Reconnect, make sure they are connected properly
	Loose connection inside of light	Try the above then contact us
Fail to Add HUB	Using 5G Wi-Fi now	Switch to 2.4G Wi-Fi for configuration
Lights Can't Be Found by Hub	Far away from the Hub	Place the hub closely to the lights
	The BLE controller is buried or in some place can't receive WiFi signal	Place the controller properly without signal obstruction
Can't Control the lights	Delay Reaction	Weak signal, please boots the signal
	Some lights have different light color	Loose connection, please contact us

Figure 7.1: Troubleshooting Guide

8. Specifications

Feature	Specification
Model Number	CBHL7BLORB-8PK
Light Source Type	LED
Wattage	3.5W (White Light), 1.5W (RGB Color)
Voltage	12 Volts (AC)
Brightness	280 Lumen
Color Temperature	2700K-6500K (Adjustable)
Color Options	RGB (16+ Million Colors)
Material	Acrylic, Aluminum, Stainless Steel
Dimensions (per light unit)	7 x 3 x 1 inches
Item Weight	6.52 pounds (total package)
Water Resistance Level	IP65 Waterproof
Working Temperature	-4°F to 104°F (-20°C to 40°C)
Lifespan	25,000 Hours
Control Method	App, Touch (Controller), Voice (Alexa, Google Assistant)
Connectivity Protocol	Bluetooth, Wi-Fi (2.4GHz for Hub)
Installation Type	In-Ground
Certification	FCC

9. Warranty and Support

CLOUDY BAY provides a limited warranty for this product. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact CLOUDY BAY customer support.
For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact the manufacturer directly. Contact information can typically be found on the product packaging or the official CLOUDY BAY website.

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