

AIBOO YK-300000197

AIBOO Linkable Under Cabinet LED Lighting System User Manual

Model: YK-300000197

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AIBOO Linkable Under Cabinet LED Lighting System. This system features hardwired 12V slim aluminum dimmable puck lights with a wireless controller, designed for ambiance lighting in various indoor settings. Please read this manual thoroughly before installation and use.

2. IMPORTANT SAFETY INFORMATION

- **Electrical Safety:** This product is designed for 110V/120Vac input and requires hardwiring. Installation should be performed by a qualified electrician or an individual with intermediate knowledge of electrical wiring to prevent electric shock or fire hazards. Ensure power is disconnected at the circuit breaker before any installation or maintenance.
- **No Wall Plug:** This system does NOT include a wall plug power adapter. It is intended for direct wiring into your electrical system.
- **Indoor Use Only:** This lighting system is designed for indoor use in dry locations. Do not expose to moisture or water.
- **Ventilation:** Ensure adequate ventilation around the LED driver to prevent overheating.
- **Component Compatibility:** Use only the components provided or specified by AIBOO. Using incompatible parts may damage the system or pose a safety risk.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- LED Puck Lights (6 units)
- RF Wireless Remote Control (1 unit)
- LED Controller (1 unit)

- 12V 1A Hardwired LED Driver (Power Adapter) (1 unit)
- 5ft Extension Cords (2 units)
- 6-Way Splitter (1 unit)
- Mounting Stickers (12 units)
- Mounting Screws (12 units)



Figure 3.1: Package Contents. This image displays all components included in the AIBOO Linkable Under Cabinet LED Lighting System: six puck lights, a remote, a controller, a 12V 1A adapter, two 5ft extension cords, a 6-way splitter, 12 stickers, and 12 screws.

4. PRODUCT SPECIFICATIONS

Brand	AIBOO
Model Number	YK-300000197
Light Color	6000K Daylight White

Material	Metal (Puck Light Housing), Plastic (Shade)
Puck Light Dimensions	2.36"L x 2.36"W x 0.31"H (6cm x 6cm x 0.8cm)
Power Source	Corded Electric (Hardwired)
Voltage	12 Volts (DC output from driver)
Light Source Type	LED
Brightness	1200 Lumens (Total for 6 lights)
Special Features	Dimmable, Linkable, Remote Control
Control Method	RF Wireless Remote Control
UPC	712411875756

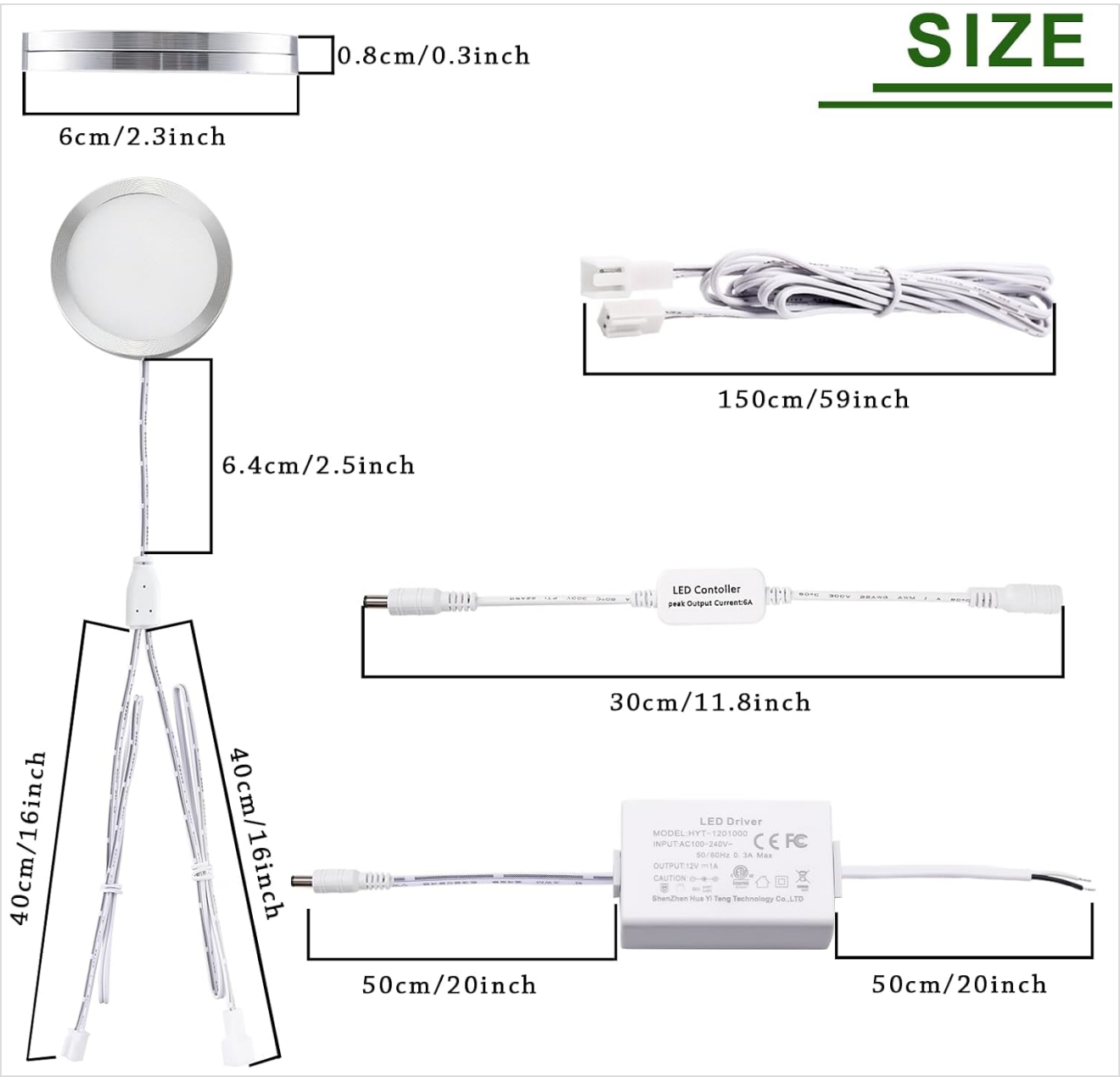


Figure 4.1: Product Dimensions. This image illustrates the dimensions of the puck lights (2.3 inches diameter, 0.3 inches thick), cable lengths, and controller/driver sizes for planning installation.

5. SETUP AND INSTALLATION

Before beginning installation, ensure the main power supply to the installation area is turned off at the circuit breaker.

5.1 Wiring Diagram Overview



Figure 5.1: System Wiring Overview. This diagram shows the connection flow from the hardwired LED driver to the LED controller, and then to the individual puck lights.

5.2 Hardwired Power Adapter Connection

The system includes a hardwired power adapter (LED Driver) designed to connect directly to a 110V/120Vac circuit. This adapter converts AC power to 12V DC for the LED lights. A wall plug is not included.

1. Turn off power at the main circuit breaker.
2. Connect the input wires of the LED driver to your 110V/120Vac circuit wiring. Ensure proper polarity (live to live, neutral to neutral, ground to ground) according to local electrical codes.
3. Secure all connections with appropriate wire connectors.

5.3 Connecting the Puck Lights

The puck lights can be connected in two primary configurations: Series Connection or Parallel Connection.

5.3.1 Series Connection

In a series connection, the puck lights are linked one after another. This method is suitable for linear installations where lights are spaced evenly in a line.



Figure 5.2: Series Connection. Lights are connected sequentially, one after another, from the LED controller.

1. Connect the LED controller to the output of the hardwired LED driver.
2. Connect the first puck light to the LED controller.
3. Connect the subsequent puck lights to each other using their integrated cables.
4. Use extension cords if additional length is required between lights.

5.3.2 Parallel Connection

For installations requiring lights to branch out from a central point, the 6-way splitter allows for parallel connection.

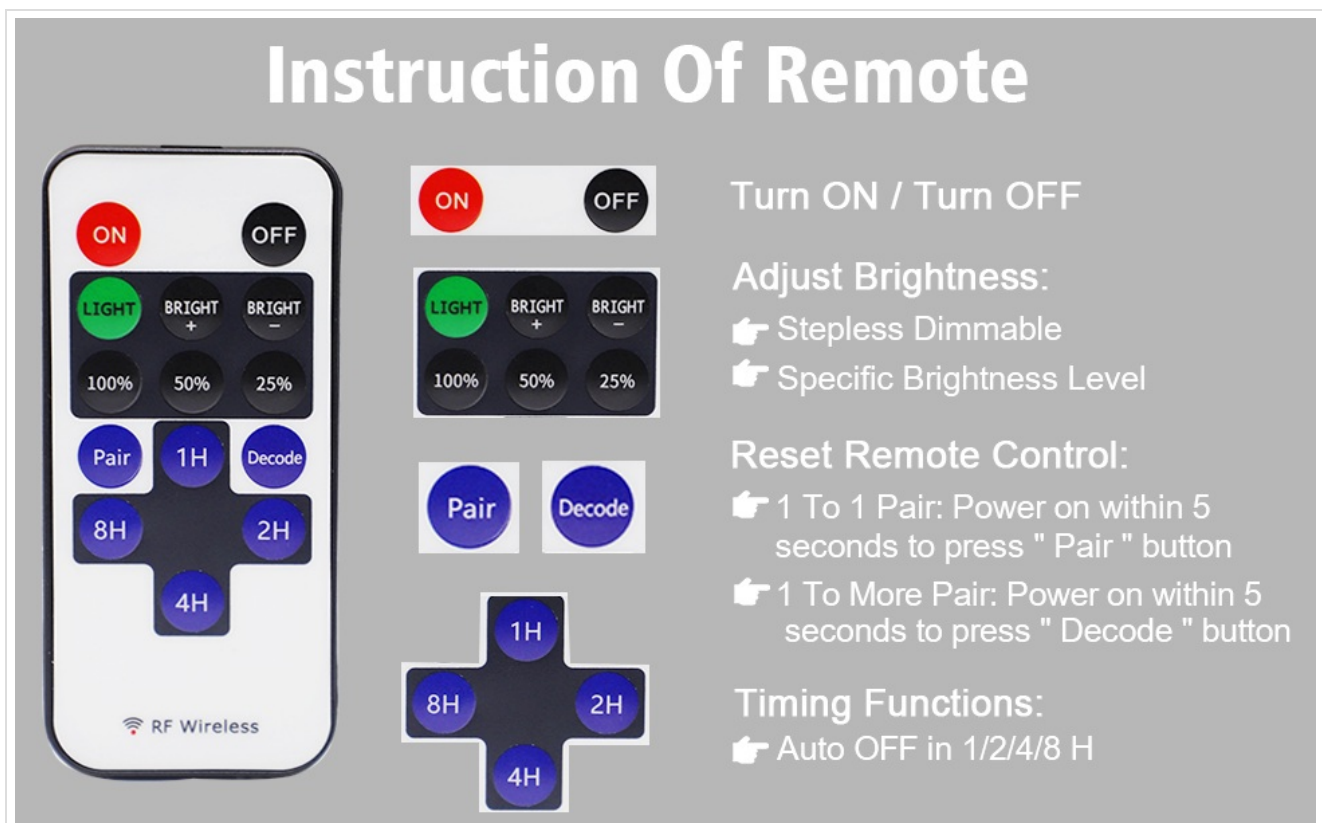


Figure 5.3: Parallel Connection. Lights are connected to a central 6-way splitter, which then connects to the LED controller.

1. Connect the LED controller to the output of the hardwired LED driver.
2. Connect the 6-way splitter to the LED controller.
3. Connect individual puck lights to the available ports on the 6-way splitter.
4. Use extension cords if additional length is required for individual lights.

5.4 Mounting the Puck Lights

The puck lights can be mounted using either the provided screws or adhesive stickers.

1. **Surface Preparation:** Ensure the mounting surface is clean, dry, and smooth.
2. **Adhesive Mounting:** Peel the backing from the adhesive sticker and firmly press the puck light onto the desired surface. Hold for 30 seconds to ensure a strong bond.
3. **Screw Mounting:** Use the provided screws to secure the puck lights to the surface. Pre-drilling pilot holes may be necessary depending on the material.

6. OPERATING INSTRUCTIONS

The AIBOO LED Lighting System is controlled by an RF wireless remote control.

6.1 Remote Control Functions

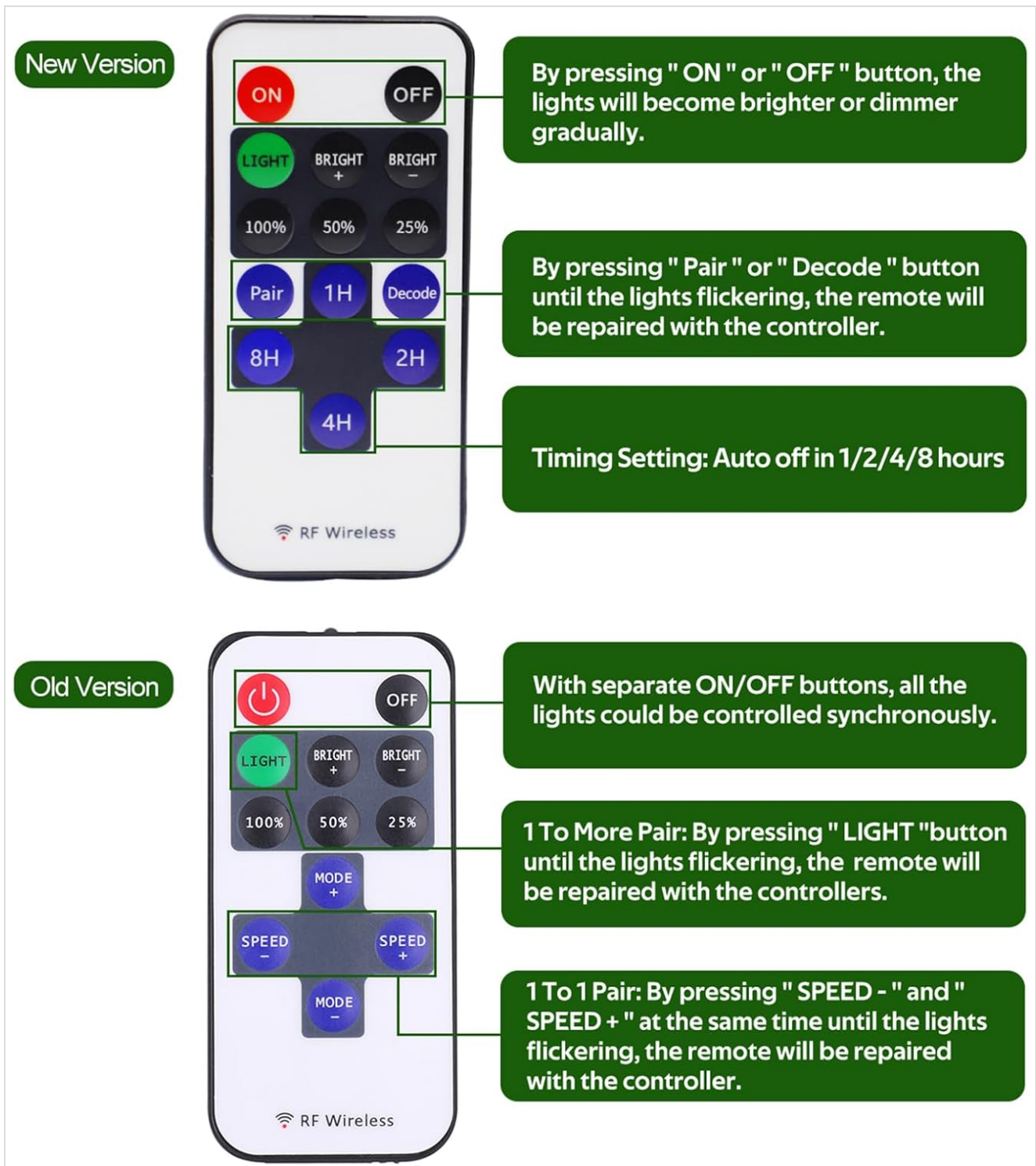


Figure 6.1: Remote Control Functions (New Version). This image details the buttons on the remote control and their corresponding actions, including ON/OFF, brightness adjustment, pairing, and timer settings.

- **ON/OFF:** Press the **ON** button to turn the lights on, and the **OFF** button to turn them off.
- **Brightness Adjustment:**
 - Press **LIGHT +** or **LIGHT -** to gradually increase or decrease brightness (stepless dimming).
 - Use the **100%**, **50%**, **25%** buttons for quick brightness presets.
- **Pairing:** To pair the remote with the controller, press the **Pair** button within 5 seconds of powering on the lights until the lights flicker.
- **Decoding (1 to More Pair):** To pair one remote with multiple controllers, press the **Decode** button within 5 seconds of powering on the lights until the lights flicker.
- **Timing Functions:** Press **1H**, **2H**, **4H**, or **8H** to set the lights to automatically turn off after 1, 2, 4, or 8 hours,

respectively.



Figure 6.2: Remote Control Detailed Instructions. This image provides a clear breakdown of each button's function on the remote, including ON/OFF, brightness adjustment, pairing, and timing settings.

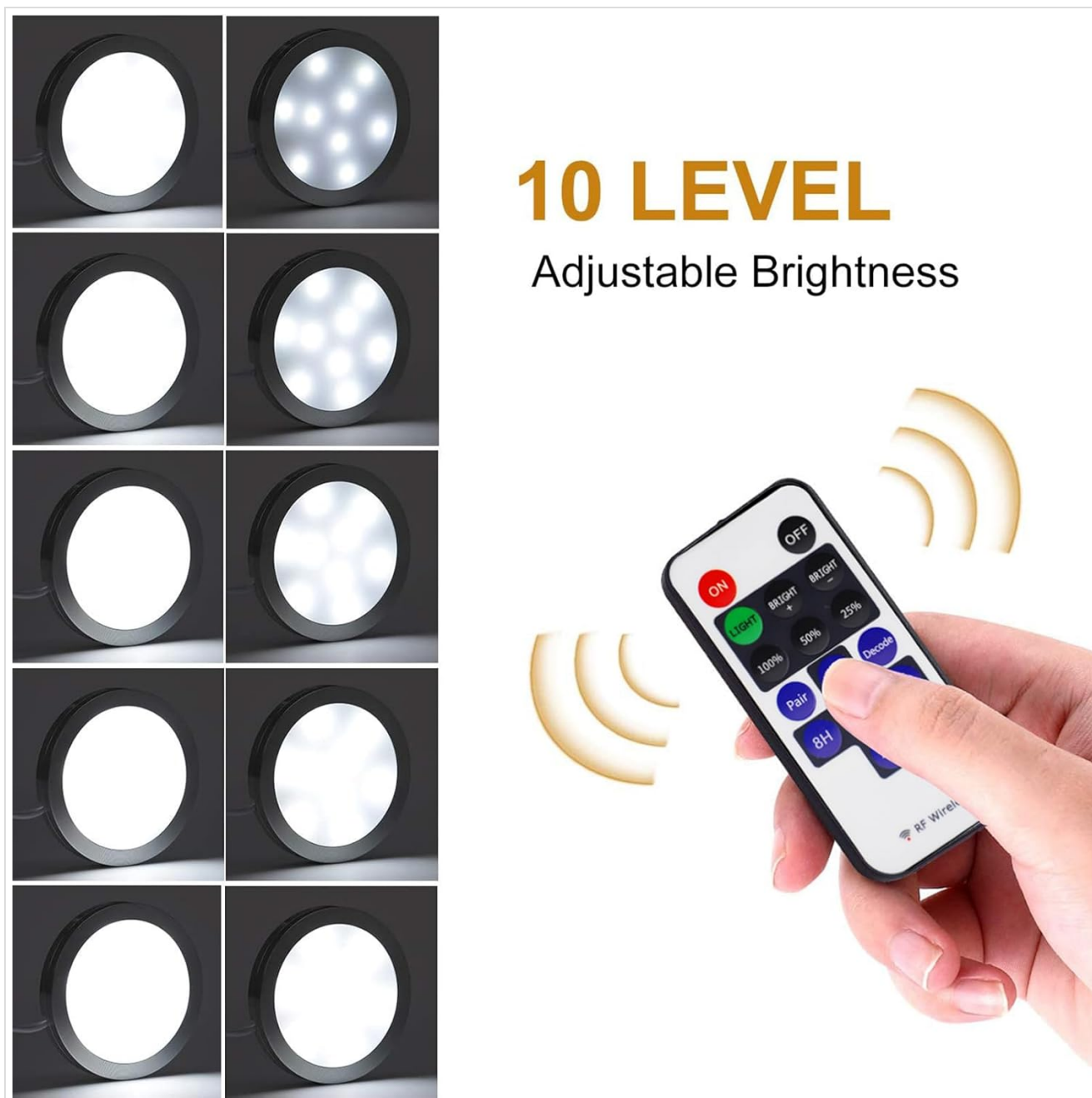


Figure 6.3: Adjustable Brightness. This image demonstrates the range of 10 adjustable brightness levels, from dim to full brightness, controlled by the remote.

7. MAINTENANCE

The AIBOO LED Lighting System requires minimal maintenance.

- **Cleaning:** Ensure the lights are off and cool before cleaning. Wipe the puck lights and controller with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check all connections for tightness and inspect cables for any signs of damage.
- **Battery Replacement:** The remote control requires 1 CR2 battery. Replace the battery when the remote's range decreases or it stops responding.

8. TROUBLESHOOTING

If you encounter issues with your AIBOO LED Lighting System, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	No power to the LED driver; Remote control battery is dead; Remote not paired; Loose connections.	Check circuit breaker. Replace remote battery. Re-pair remote (see Section 6.1). Verify all cable connections are secure.
Lights are flickering or strobing.	Too many lights connected to a single power supply; Faulty power supply.	Ensure no more than 6 lights are connected to one power supply. If flickering persists, inspect the power supply for signs of damage (e.g., warped casing, discoloration). A damaged power supply may need replacement.
Remote control is unresponsive.	Remote control battery is dead; Remote is out of range; Remote is not paired with the controller.	Replace the CR2 battery in the remote. Move closer to the LED controller. Re-pair the remote with the controller (see Section 6.1).
Lights do not dim or respond to brightness controls.	Remote not paired correctly; Controller malfunction.	Re-pair the remote (see Section 6.1). If the issue persists, contact customer support.

9. WARRANTY INFORMATION

AIBOO products are manufactured to high-quality standards. For specific warranty details regarding your Linkable Under Cabinet LED Lighting System, please refer to the warranty card included with your purchase or visit the official AIBOO website. Keep your purchase receipt as proof of purchase for any warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or product inquiries, please contact AIBOO customer support.

- **U.S. Live Customer Support:** Monday - Friday, 9 AM - 5 PM (EST)
- **Online Resources:** Visit the [AIBOO Store on Amazon](#) for additional product information and support.

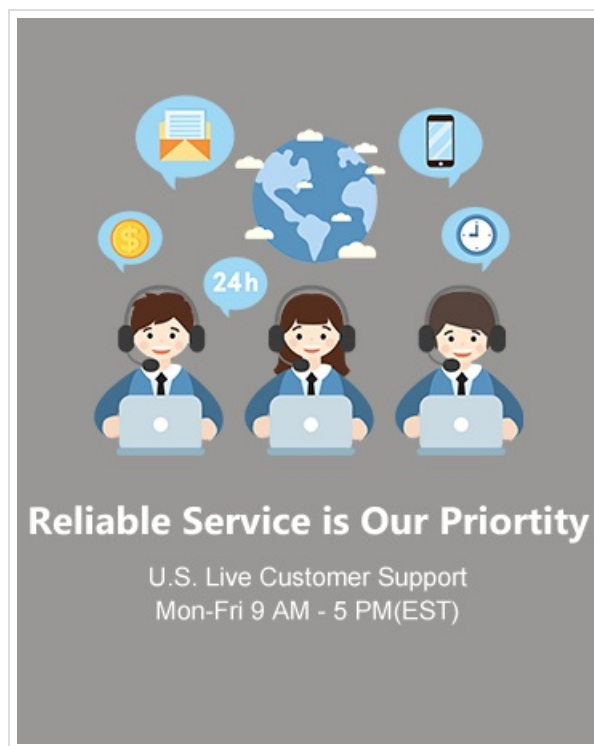
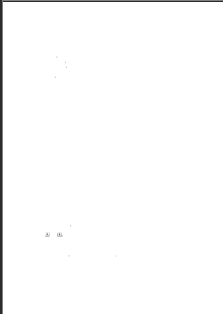
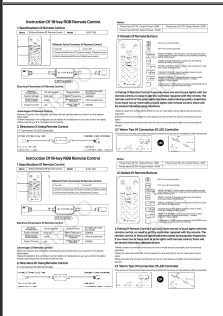



Figure 10.1: Customer Support. This image represents the availability of customer support for assistance with product-related queries.

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Related Documents - YK-300000197

	<p>AIBOO 18-Key RGB Remote Control and LED Controller User Manual</p> <p>Comprehensive user manual for the AIBOO 18-key RGB Wireless RF Remote Control (Model B-RF-1702) and its associated LED controller, covering specifications, setup, operation, and pairing instructions.</p>
	<p>Fingertip Pulse Oximeter User Manual</p> <p>User manual for the Yonker Fingertip Pulse Oximeter, providing instructions for use, safety precautions, technical specifications, and troubleshooting for models YK-80A through YK-84C and YK-81CEU. Includes information in English, French, German, Italian, and Spanish.</p>
	<p>Dr Check Finger Pulse Oximeter User Manual and Specifications</p> <p>Detailed user manual for the Dr Check finger pulse oximeter, covering operation, technical specifications, troubleshooting, safety precautions, and warranty information.</p>

	<p>Yonker Fingertip Pulse Oximeter User Manual - Model YK-80A to YK-84C</p> <p>Comprehensive user manual for the Yonker Fingertip Pulse Oximeter (Models YK-80A to YK-84C), detailing its features, operation, measurement principles, precautions, maintenance, technical specifications, and troubleshooting.</p>
	<p>AIBOO 18-Key RGB Remote Control and LED Controller User Manual</p> <p>Comprehensive user manual for the AIBOO 18-key RGB Wireless RF Remote Control (Model B-RF-1702) and its associated LED controller, covering specifications, setup, operation, and pairing instructions.</p>
	<p>E-Link Gateway Installation Instructions Johnson Controls</p> <p>Comprehensive installation guide for the Johnson Controls E-Link Gateway, detailing its applications in building automation systems, North American emissions compliance, mounting procedures for various equipment types, wiring, power application, commissioning steps, and technical specifications.</p>