

AIBOO AIBOORF6NW

AIBOO LED Under Cabinet Lighting Fixture - Instruction Manual

Model: AIBOORF6NW
Brand: AIBOO

Introduction	Components	Specifications	Setup & Installation	Operating Instructions
	Maintenance	Troubleshooting	Warranty	Support

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AIBOO LED Under Cabinet Lighting Fixture. This kit includes 6 thin LED puck lights designed for kitchen under-counter, shelf, and display case applications, featuring a 4000K Natural White light output and wireless RF remote control for dimming and timing functions.

The system is designed for ease of use and energy efficiency, providing bright and natural illumination for various indoor spaces.



Figure 1.1: Complete AIBOO LED Under Cabinet Lighting Kit.

2. PACKAGE CONTENTS

Please verify that all components listed below are included in your package:

- 6 x LED Puck Lights (4000K Natural White)
- 1 x 6-Way Splitter
- 1 x RF Wireless Remote Control
- 1 x LED Controller
- 1 x 12V 1A Power Adapter (UL Listed)
- 1 x On/Off Switch
- 12 x Adhesive Tapes
- 12 x Mounting Screws



Figure 2.1: Detailed view of included components.

3. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	AIBOO
Model Number	AIBOORF6NW
Light Color Temperature	4000K Natural White
Brightness	200 lumens per puck light (Total 1200 lumens)
Wattage	12 watts (total)
Voltage	12V DC output (120V AC input)
Material	Aluminum (puck light shell), Plastic (shade)
Puck Light Dimensions	0.31 inches (thickness), 2.3 inches (diameter)

Feature	Specification
Control Method	RF Wireless Remote Control
Special Features	Dimmable (10 levels), Timer Function (1H, 2H, 4H, 8H)
Installation Type	Plug-in, Countertop, Screw Mount
Indoor/Outdoor Usage	Indoor
Connectivity Protocol	RF
Power Adapter	UL Listed

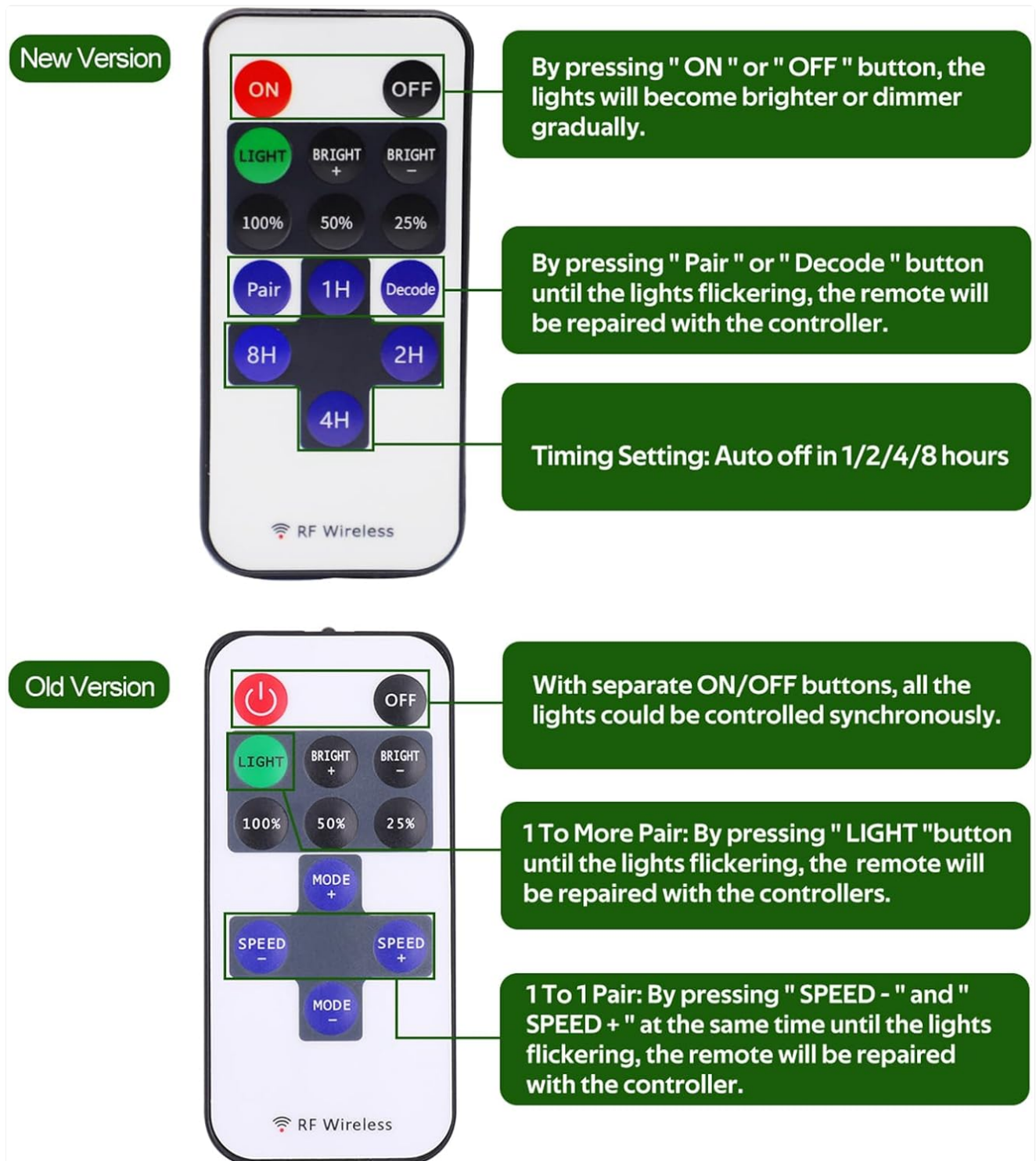


Figure 3.1: Product dimensions and cable lengths.

4. SETUP & INSTALLATION

The AIBOO LED Under Cabinet Lighting Kit is designed for easy installation. Follow these steps to set up your lighting system:

1. **Plan Placement:** Determine the desired locations for your puck lights under cabinets, shelves, or display cases. Ensure the cables can reach the 6-way splitter and the power adapter can be plugged into an outlet.
2. **Mount Puck Lights:**
 - **Using Adhesive Tapes:** For a non-permanent installation or to protect furniture, peel off the backing from the provided 2-sided adhesive tapes and firmly press them onto the back of each puck light. Then, press the puck lights onto your desired surface.
 - **Using Screws:** For a more secure and permanent installation, use the provided screws to mount the puck lights to wooden surfaces. Ensure proper alignment before drilling pilot holes if necessary.
3. **Connect Puck Lights to Splitter:** Connect the cables from each puck light to the 6-way splitter. Ensure all connections are secure.
4. **Connect Controller:** Connect the LED controller to the 6-way splitter.
5. **Connect Power Adapter:** Connect the 12V 1A power adapter to the LED controller.
6. **Connect On/Off Switch (Optional):** If desired, connect the inline on/off switch between the power adapter and the LED controller for manual power control.
7. **Plug In:** Plug the power adapter into a standard 120V AC wall outlet.
8. **Test System:** Use the RF wireless remote control to turn on the lights and test all functions (brightness, dimming, timer).

Note: Ensure all connections are firm before plugging into a power source.

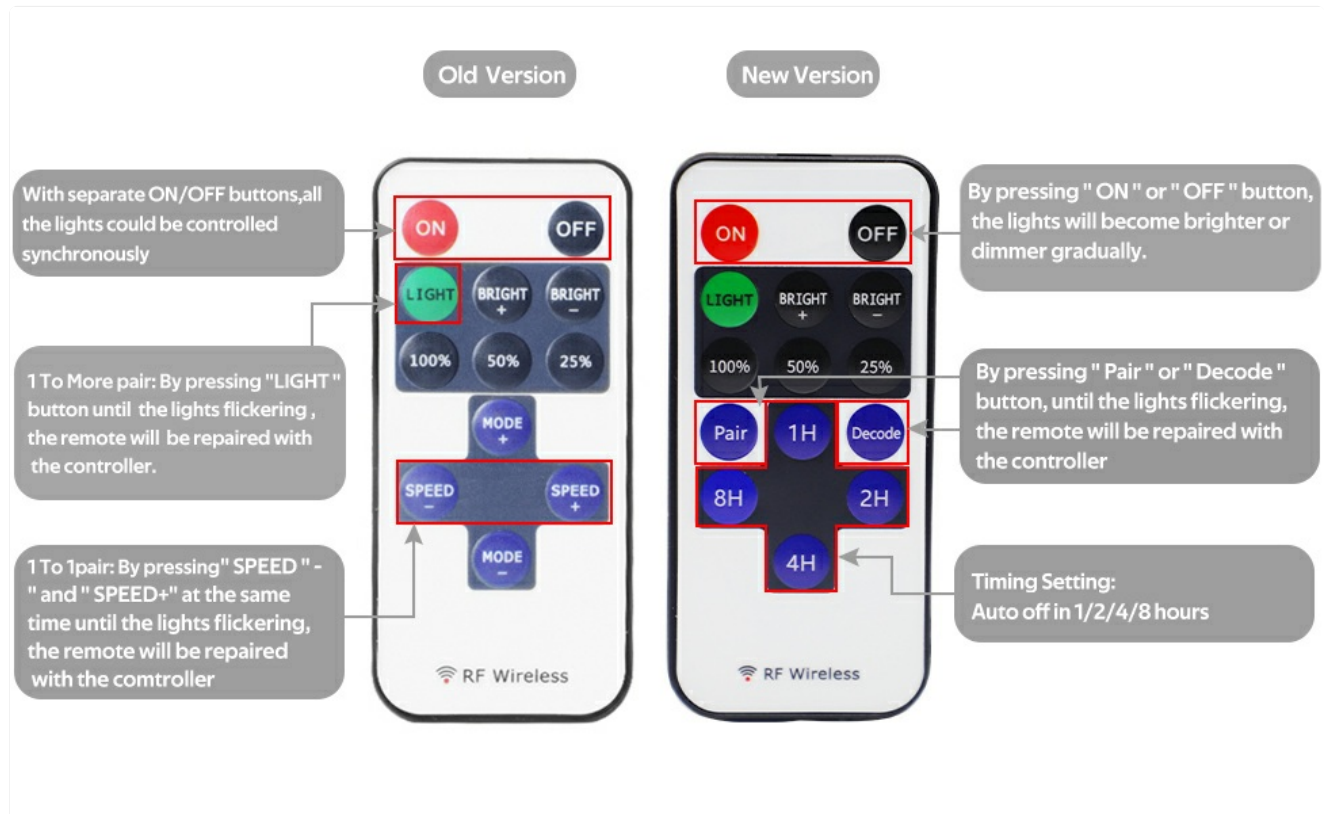


Figure 4.1: Examples of typical installation applications.

5. OPERATING INSTRUCTIONS

Your AIBOO LED Under Cabinet Lighting system is controlled by the included RF wireless remote. Familiarize yourself with the remote's functions:



Figure 5.1: RF Wireless Remote Control Functions (New Version).

- **ON/OFF Buttons:** Press "ON" to turn the lights on, and "OFF" to turn them off. The lights will gradually brighten or dim.
- **Brightness Adjustment:**
 - **LIGHT (+):** Increases brightness.
 - **BRIGHT (-):** Decreases brightness.
 - **Preset Levels:** Buttons for **100%**, **50%**, and **25%** brightness for quick adjustments.
- **Pairing/Decoding:** If the remote does not control the lights, press the "Pair" or "Decode" button until the lights flicker. This indicates successful pairing with the controller.
- **Timing Setting:** Use the timer buttons to set the lights to automatically turn off after a specified duration:
 - **1H:** 1 Hour
 - **2H:** 2 Hours
 - **4H:** 4 Hours

10 LEVEL

Adjustable Brightness

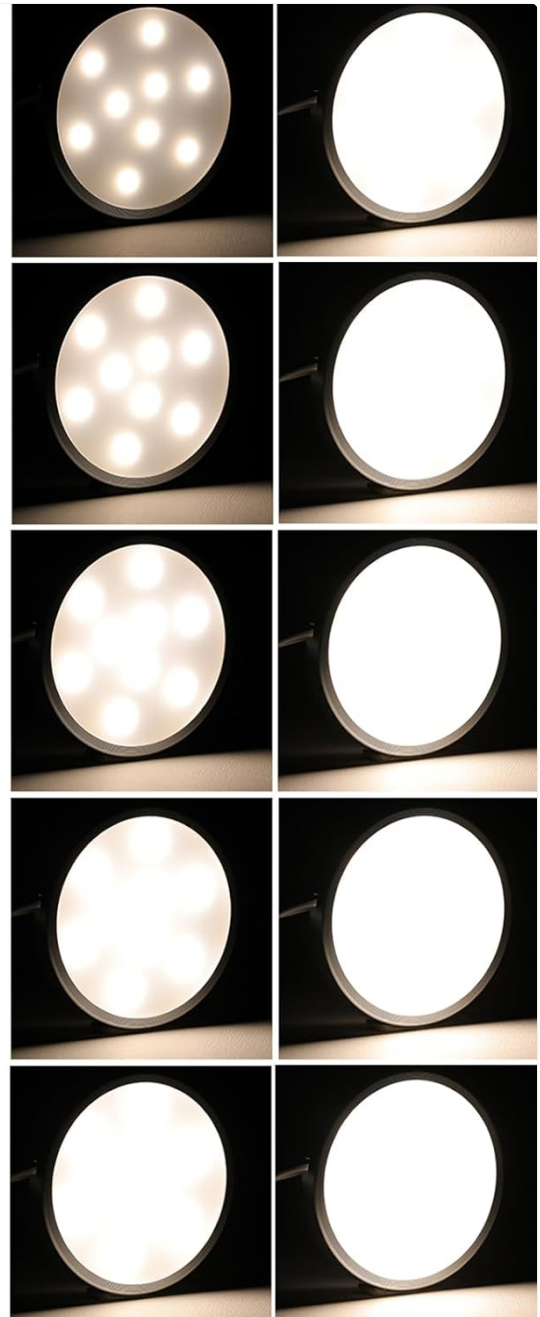


Figure 5.2: 10-Level Adjustable Brightness.

The lights offer 10 distinct brightness levels, allowing you to customize the illumination to suit your needs, from subtle accent lighting to bright task lighting.

6. MAINTENANCE

To ensure the longevity and optimal performance of your AIBOO LED Under Cabinet Lighting Fixture, follow these simple maintenance guidelines:

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the puck lights and other components. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the electrical components. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check all cable connections to ensure they are secure and free from damage. Inspect the puck lights for any signs of wear or damage.
- **Battery Replacement (Remote):** The remote control requires 1 CR2 battery (included). If the remote's range decreases or it becomes unresponsive, replace the battery. Refer to the remote's battery compartment for

specific instructions on replacement.

- **Environmental Conditions:** This product is designed for indoor use only. Avoid exposing the lights to excessive moisture, high humidity, or extreme temperatures.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, remote battery dead, remote not paired.	<ul style="list-style-type: none">• Ensure the power adapter is securely plugged into a working outlet.• Check all cable connections (puck lights to splitter, splitter to controller, controller to adapter).• Replace the remote control battery.• Re-pair the remote control with the LED controller (see Operating Instructions).
Lights flicker or dim unexpectedly.	Unstable power supply, loose connection, faulty component.	<ul style="list-style-type: none">• Ensure the power adapter is connected directly to a stable power source.• Check all connections for looseness.• If the issue persists, contact customer support.
Remote control is unresponsive.	Dead battery, remote not paired, interference.	<ul style="list-style-type: none">• Replace the remote control battery.• Re-pair the remote control with the LED controller.• Ensure there are no major obstructions or sources of strong radio frequency interference between the remote and the controller.
Some puck lights are not working.	Loose connection, faulty puck light.	<ul style="list-style-type: none">• Check the connection of the specific puck light to the splitter.• Try connecting the non-working puck light to a different port on the splitter or swapping it with a working puck light to isolate the issue.• If a puck light is confirmed faulty, contact customer support for replacement.

If you are unable to resolve the issue using the troubleshooting guide, please contact AIBOO customer support for further assistance.

8. WARRANTY INFORMATION

The AIBOO LED Under Cabinet Lighting Fixture (Model: AIBOORF6NW) comes with a **2-year warranty** from the date of purchase.

This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation. Please retain your proof of purchase for

warranty claims.

For warranty service, please contact AIBOO customer support with your purchase details and a description of the issue.

9. CUSTOMER SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your AIBOO LED Under Cabinet Lighting Fixture, please contact our customer support team:

- **Seller:** AIBOO Lighting
- **Operating Hours:** Monday - Friday, 9 AM - 5 PM (EST)
- **Online Store:** [Visit the AIBOO Store on Amazon](#)

Please have your product model number (AIBOORF6NW) and purchase information ready when contacting support to expedite the process.

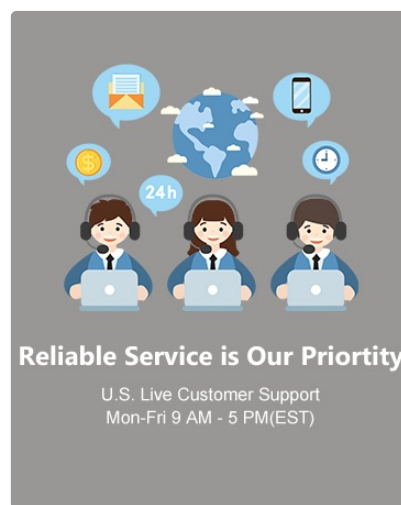


Figure 9.1: AIBOO Customer Support.