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› Brightech Smart Dimmer Plug for LED Outdoor String Lights Instruction Manual

## Brightech AMB-DMR

# Brightech Smart Dimmer Plug for LED Outdoor String Lights

Model: **AMB-DMR** | Brand: **Brightech**

## INTRODUCTION

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This instruction manual provides detailed information on the installation, operation, and maintenance of your Brightech Smart Dimmer Plug. Designed for use with Brightech LED outdoor string lights, this dimmer allows for convenient brightness control and timing functions via a remote control. Please read this manual thoroughly before use to ensure proper function and safety.

## SAFETY INFORMATION

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- **Compatibility:** This dimmer plug is designed exclusively for **LED outdoor string lights** with a maximum wattage of 150W. It is **NOT compatible with incandescent string lights** or Christmas string lights.
- **Power Rating:** Do not exceed the maximum rated power of 150W. Overloading can cause damage to the device and pose a fire hazard.
- **Outdoor Use:** The dimmer plug is waterproof and commercial grade, suitable for outdoor use. Ensure all connections are secure and protected from direct water exposure where possible.
- **Installation:** Always ensure the power source is disconnected before connecting or disconnecting the dimmer plug and string lights.
- **Maintenance:** Do not attempt to open or repair the dimmer plug. Refer to the troubleshooting section for common issues or contact customer support.

## PACKAGE CONTENTS

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- 1 x Brightech Smart Dimmer Plug (Model: AMB-DMR)
- 1 x Remote Control



Image: The Brightech Smart Dimmer Plug and its accompanying remote control, as typically found in the product packaging.

## SETUP

1. **Prepare the Remote Control:** Before first use, locate the plastic tab at the bottom of the remote control. Pull this tab out to activate the battery.
2. **Connect String Lights:** Locate the female end of the dimmer plug cord. Connect the male end of your Brightech LED outdoor string lights into this female receptacle. Ensure the connection is secure.
3. **Plug into Power Outlet:** Plug the male end of the dimmer plug into a suitable outdoor power outlet.
4. **Placement:** Position the dimmer plug and string lights as desired. The remote control has a range of up to 100 feet, allowing flexible placement.



up to  
100 feet



Max 150 watt  
Use for **LED** string lights



Not compatible with  
incandescent string light



Image: The dimmer plug and remote, highlighting the 100-foot range and compatibility with 150W max LED string lights. It also explicitly states incompatibility with incandescent lights.

## OPERATING INSTRUCTIONS

The remote control provides full functionality for your Brightech Smart Dimmer Plug.

- **Power On/Off:** Press the **ON** button to turn the lights on. Press the **OFF** button to turn the lights off.
- **Preset Brightness Levels:**
  - Press **25%** for a quarter brightness.
  - Press **50%** for half brightness.
  - Press **75%** for three-quarter brightness.
  - Press **100%** for full brightness.
- **Adjust Brightness Smoothly:** Use the **+** button to gradually increase brightness and the **-** button to gradually decrease brightness. The dimmer supports 12 steps of smooth brightness adjustment.
- **Memory Function:** The dimmer features a memory function. Once you set a desired brightness level, the lights will return to that level when turned back on, even after being unplugged.

- **Timer Function:** Utilize the timer buttons to set the duration for which the lights remain on. Options include **2H** (2 hours), **4H** (4 hours), **6H** (6 hours), and **8H** (8 hours). After the set time, the lights will automatically turn off.

# Control the Brightness



Image: Visual representation of string lights at various brightness levels (25%, 50%, 75%, 100%) demonstrating the dimmer's control.



# Set the Time

## Reduce bills by using lights as needed

Image: A hand holding the remote control in an outdoor setting with string lights, illustrating the ability to set a timer for energy efficiency.

## MAINTENANCE

- **Cleaning:** Disconnect the dimmer plug from the power outlet before cleaning. Wipe the surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use for extended periods, store the dimmer plug and remote in a cool, dry place away from direct sunlight and extreme temperatures.
- **Remote Battery:** If the remote control's range decreases or it becomes unresponsive, the battery may need replacement. The remote uses a standard coin cell battery (e.g., CR2025 or similar, check remote for specific type).

## TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem   | Possible Cause   | Solution   |
|---|--|--|
| Lights do not turn on or respond to remote.                       | <p>No power to the outlet.</p> <p>Remote battery is dead or not activated.</p> <p>Dimmer plug or string lights are faulty.</p> <p>Incorrect light type (incandescent).</p> | <p>Check the power outlet with another device.</p> <p>Ensure the plastic tab is removed from the remote battery compartment. Replace remote battery if necessary.</p> <p>Verify string lights are LED and within 150W rating.</p> <p>Test string lights directly without the dimmer.</p> |
| Lights are stuck at 100% brightness, dimmer function not working. | <p>Dimmer unit malfunction.</p> <p>Remote signal interference or remote issue.</p>   | <p>Unplug the dimmer from the outlet for 30 seconds, then plug it back in to reset.</p> <p>Ensure there are no obstructions between the remote and the dimmer.</p> <p>Replace remote battery.</p> <p>If the issue persists, the dimmer unit may be faulty.</p>                           |
| Lights flicker or make noise when dimmed.                         | <p>Incompatible LED string lights.</p> <p>Power fluctuations.</p>  | <p>Ensure your LED string lights are fully dimmable.</p> <p>While the Brightech dimmer is designed for smooth operation, some LED lights may react differently.</p>  |

## SPECIFICATIONS

| Feature           | Detail   |
|-------------------|--|
| Model Number      | AMB-DMR  |
| Brand             | Brightech  |
| Maximum Wattage   | 150W   |
| Operating Voltage | 120 Volts (AC)                                   |
| Operation Mode    | Manual (via remote control)                      |
| Remote Range      | Up to 100 feet                                   |
| Compatibility     | LED Outdoor String Lights (Not for Incandescent) |
| Waterproof Rating | Commercial Grade (suitable for outdoor use)      |
| Dimensions        | 6.34 x 3.82 x 2.24 inches (Package)              |
| Weight            | 10.23 ounces (Package)                           |

## WARRANTY AND SUPPORT

Brightech proudly stands behind its products. The Smart Dimmer Plug comes with a **3-Year Product Warranty**. This warranty covers any defects or malfunctions that may occur within three years from the date of purchase. For warranty claims, technical assistance, or any questions regarding your Brightech Smart Dimmer Plug, please contact Brightech customer support. Refer to the official Brightech website or your purchase documentation for contact information.

