

BETOPPER LPC120

BETOPPER LED Par Light LPC120 C-4SS Instruction Manual

1. INTRODUCTION

Thank you for purchasing the BETOPPER LED Par Light Model LPC120 C-4SS. This high-performance stage light is designed to provide vibrant and accurate lighting for various events, including parties, discos, stages, weddings, and more. Featuring 60 LED beads with 2W each, RGBW color mixing, and a high Color Rendering Index (CRI) of over 90, this light ensures superior color reproduction and brightness. This manual will guide you through the setup, operation, and maintenance of your new LED Par Light.

Why Choose BETOPPER LED Par Light

The image is a comparison graphic. At the top left, a large BETOPPER LED Par Light is shown with its internal 60x2W LED array glowing pink. To its right, the text 'BRIGHTNESS: 1PACK > 3PACK' is displayed with three greater-than symbols below it. To the right of the text are three smaller, standard LED Par Lights. Below these elements is a large 'VS' graphic. Under 'OURS', there are two images: a close-up of the 60x2W LED array and a stage scene with three BETOPPER lights. A blue progress bar is next to '60*2W', and another blue progress bar is next to 'More powerful & brighter'. Under 'OTHERS', there are two images: a close-up of a standard 36x1W LED array and a stage scene with three standard lights. A grey progress bar is next to '36*1W', and another grey progress bar is next to 'Low power & dim'.

BRIGHTNESS: 1PACK > 3PACK
> > >

OURS VS OTHERS

60*2W

More powerful & brighter

36*1W

Low power & dim

Image: Comparison highlighting the superior brightness and 60x2W LED configuration of the BETOPPER Par Light.

2. SAFETY INFORMATION

- Always connect the unit to a grounded power outlet.
- Ensure the voltage of the power supply matches the requirements specified on the device.
- Do not open the housing; there are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Avoid direct eye exposure to the light source, as it can cause eye damage.
- Keep the device away from rain, moisture, and excessive heat.
- Ensure proper ventilation around the unit to prevent overheating.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all components are present and in good condition:

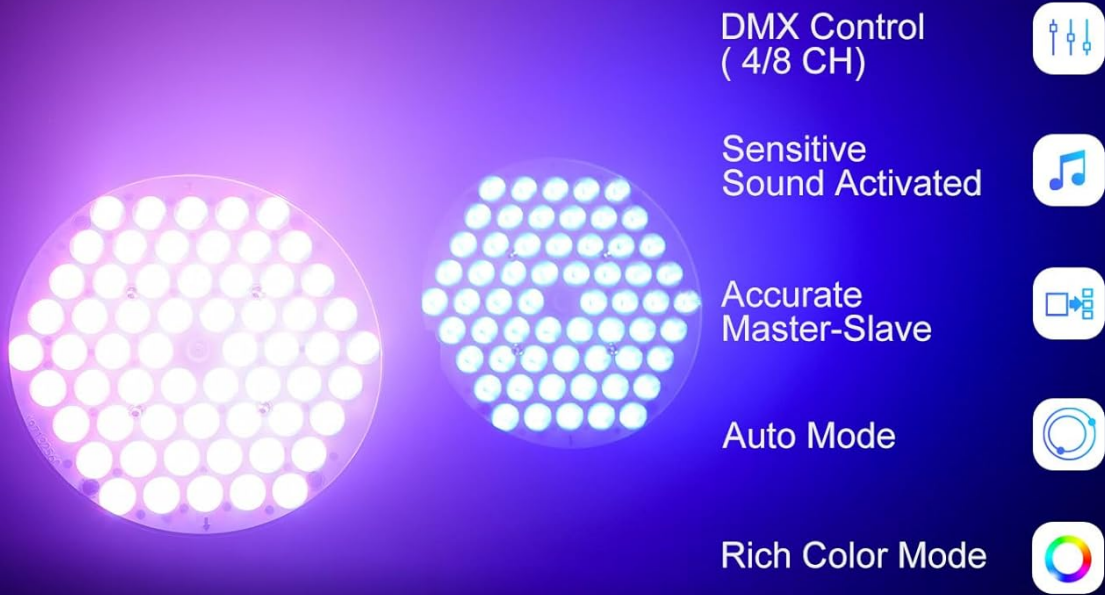
- BETOPPER LED Par Light (LPC120 C-4SS)

- Power Cable
- Mounting Bracket and Screws
- User Manual (this document)

4. PRODUCT FEATURES

- **High CRI (Color Rendering Index) >90:** Ensures accurate and natural color reproduction, enhancing visual appeal.
- **Powerful Illumination:** Equipped with 60 x 2W LED beads for superior brightness.
- **RGBW Color Mixing:** Offers a wide spectrum of colors and pure white light.
- **Durable Construction:** Made from high-quality aluminum and polycarbonate (PC) ABS materials for longevity.
- **Multiple Operating Modes:** Includes Fixed Color, Color Mixing, Jump, Strobe, Fade, Auto, Sound-Activated, Master-Slave, and DMX modes.
- **Flexible Control Options:** Control via Auto, Sound-Activated, DMX, or Master-Slave modes.
- **Versatile Applications:** Ideal for DJ setups, dance halls, karaoke, parties, discos, stages, weddings, churches, bars, and special events.

Multi-mode Party Lights



RGBW LED



Image: Overview of the multi-mode party light functions and the RGBW LED technology.

5. SETUP

5.1 Mounting

The BETOPPER LED Par Light comes with a mounting bracket for flexible installation. You can mount it on a truss, wall, or place it on the floor. Ensure the mounting surface or structure can support the weight of the fixture.

1. Attach the mounting bracket to the light using the provided screws.
2. Secure the light to your desired location (truss, wall, or floor) using appropriate clamps or fasteners (not included).
3. Adjust the angle of the light using the bracket's knobs to achieve the desired illumination direction.

5.2 Power Connection

1. Connect the included power cable to the power input port on the back of the light.
2. Plug the other end of the power cable into a suitable grounded electrical outlet.

5.3 DMX Connection (Optional)

If you plan to control the light using a DMX controller, follow these steps:

1. Connect a DMX cable from the DMX OUT of your controller to the DMX IN port on the first light.
2. For multiple lights, connect a DMX cable from the DMX OUT of the first light to the DMX IN of the next light in the chain. Repeat for all lights.
3. Ensure the last light in the DMX chain has a DMX terminator connected to its DMX OUT port (recommended for stable signal).



Image: Detailed view of the light's control panel, DMX ports, power input, and mounting bracket attachment points.

6. OPERATING MODES

The BETOPPER LED Par Light offers various operating modes, accessible via the control panel display and buttons (MENU, UP, DOWN, ENTER).

6.1 Control Panel Overview

The control panel features a digital display and four buttons:

- **MENU:** Cycles through the main menu options.
- **UP/DOWN:** Navigates through options or adjusts values.
- **ENTER:** Confirms selection or saves settings.

6.2 Mode Selection

Press the MENU button to cycle through the available modes. Use UP/DOWN to adjust settings and ENTER to confirm.

- **Auto Mode:** The light cycles through pre-programmed patterns automatically.
- **Sound-Activated Mode:** The light reacts to music or sound, changing patterns and colors in sync with the beat.
- **Fixed Color Mode:** Select a static color (Red, Green, Blue, White, or mixed colors).
- **Color Mixing Mode:** Blends different colors to create custom hues.
- **Jump Mode:** Colors change abruptly from one to another.
- **Strobe Mode:** The light flashes rapidly. Adjust flash speed using UP/DOWN buttons.
- **Fade Mode:** Colors smoothly transition from one to another. Adjust fade speed.
- **Master-Slave Mode:** Connect multiple lights. One light acts as the master, controlling all other slave units.
- **DMX Mode:** For professional control using an external DMX controller.

6.3 Adjusting CRI Mode

To adjust the Color Rendering Index (CRI) mode for more accurate color reproduction:

1. Press the **MENU** button until 'Ct' is displayed.
2. Press **ENTER**.
3. Use the **DOWN/UP** buttons to select a value between 01 and 07.
4. Press **ENTER** to confirm your selection.

CRI ≥ 90

Natural color reproduction

- -Bright lights
- -Super heat dissipation
- -Pure color temperature



To adjust the CRI MODE: MENU → Ct → ENTER → DOWN/UP → ENTER



① Press MENU



② Display Ct → Press ENTER



③ Press DOWN/UP



④ Press ENTER

Adjustment range 01-07



Image: Visual guide for adjusting the CRI mode, demonstrating the impact on natural color reproduction.

7. DMX CONTROL

The BETOPPER LED Par Light supports DMX512 protocol, allowing for precise control over its functions using a DMX controller. It offers 4 or 8 DMX channels.

7.1 Setting DMX Address

1. Press the **MENU** button until 'A001' (or similar DMX address display) appears.
2. Use the **UP/DOWN** buttons to set the desired DMX starting address (e.g., A001, A009, A017, etc., depending on the channel mode).
3. Press **ENTER** to confirm.

7.2 DMX Channel Functions (Example for 8-channel mode)

Refer to your DMX controller's manual for specific programming. The following is a typical channel assignment:

Channel	Function	Value Range
CH1	Master Dimmer	0-255 (0=Off, 255=Full Brightness)
CH2	Red Dimmer	0-255 (0=Off, 255=Full Red)
CH3	Green Dimmer	0-255 (0=Off, 255=Full Green)
CH4	Blue Dimmer	0-255 (0=Off, 255=Full Blue)
CH5	White Dimmer	0-255 (0=Off, 255=Full White)
CH6	Strobe Speed	0-255 (0=No Strobe, 255=Fastest Strobe)
CH7	Color Macro / Auto Programs	Various values for pre-set colors or auto programs
CH8	Program Speed / Sound Sensitivity	Adjusts speed of auto programs or sensitivity in sound mode

Note: The exact DMX channel functions may vary slightly. Refer to the specific DMX chart provided with your product for precise details.

8. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your LED Par Light.

- **Cleaning:** Periodically clean the lens and housing with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Ventilation:** Ensure that the ventilation openings are clear of dust and debris to prevent overheating.
- **Cable Inspection:** Regularly check power and DMX cables for any signs of damage. Replace damaged cables immediately.
- **Storage:** When not in use, store the light in a dry, dust-free environment.

9. TROUBLESHOOTING

If you encounter issues with your BETOPPER LED Par Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Faulty power cable; Unit malfunction	Check power connection and outlet; Replace power cable; Contact support
No DMX control	Incorrect DMX address; Faulty DMX cable; DMX controller issue; No DMX terminator	Verify DMX address setting; Check/replace DMX cables; Test controller; Add DMX terminator
Light flickers or behaves erratically	Loose connections; Power fluctuations; DMX signal interference	Check all cable connections; Use a stable power source; Ensure proper DMX cabling and termination
Overheating	Blocked ventilation; Insufficient airflow	Clear ventilation openings; Ensure adequate space around the unit

If the problem persists after trying these solutions, please contact customer support.

10. SPECIFICATIONS

Feature	Detail
Brand	BETOPPER
Model Number	LPC120
Part Number	LPC008S
Size	C-4SS
Color	Black
Style	Modern
Finish	Powder Coated
Material	Aluminum, Polycarbonate (PC), Acrylonitrile Butadiene Styrene (ABS)
Shape	Round
Power Source Type	Corded Electric
Wattage	120 watts
Light Source Type	LED
Luminous Flux	1000 lumen
Plug Type	Ground Mount
Included Components	Stage Light
Batteries Included?	No
Batteries Required?	No
Item Weight	4.92 Kilograms
Product Dimensions	26.8 x 6.2 x 23 cm

Size & Lux

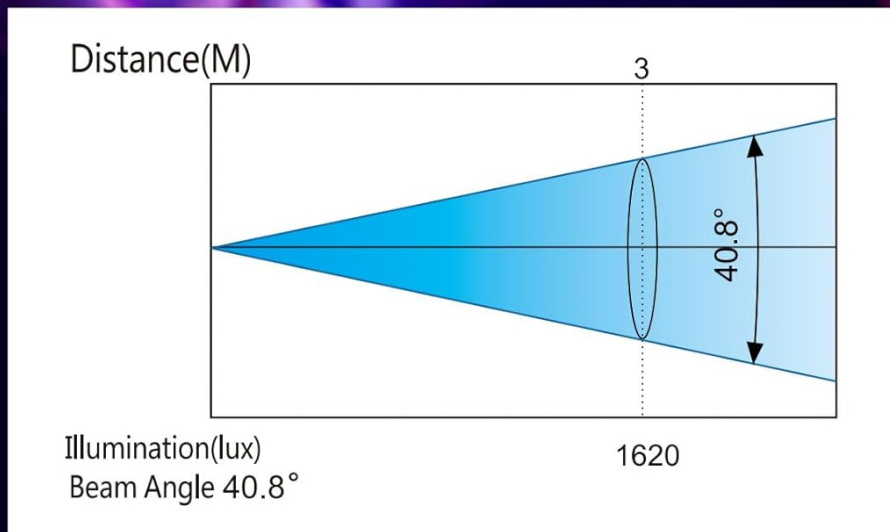


Image: Visual representation of the light's dimensions and beam angle (40.8 degrees).

11. WARRANTY AND SUPPORT

BETOPPER products are manufactured to the highest quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact your retailer or visit the official BETOPPER website for contact information.