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> [Betopper LPC010N-4 54x4W RGBW High CRI LED Par Light User Manual](#)

Betopper LPC010N

Betopper LPC010N-4 54x4W RGBW High CRI LED Par Light User Manual

Model: LPC010N-4 | Brand: Betopper

1. INTRODUCTION

The Betopper LPC010N-4 is a professional 54x4W RGBW (Red, Green, Blue, White) LED Par Light designed for various stage, event, and photography lighting applications. Featuring a high Color Rendering Index (CRI) of over 90, this light ensures accurate and vibrant color reproduction. It delivers up to 5500 lumens of brightness and offers multiple control modes for versatile lighting effects.

2. SAFETY INFORMATION

- Always connect the fixture to a grounded circuit.
- Ensure the power voltage matches the rated voltage of the fixture.
- Do not open the housing; there are no user-serviceable parts inside. Refer servicing to qualified personnel.
- Avoid direct eye exposure to the light source.
- Keep the fixture away from rain or moisture.
- Ensure adequate ventilation around the fixture to prevent overheating.
- Mount the fixture securely using appropriate clamps and safety cables.

3. PACKAGE CONTENTS

Each Betopper LPC010N-4 package includes:

- Betopper LPC010N-4 LED Par Light unit(s)
- Power cable
- User Manual

4. PRODUCT OVERVIEW

4.1 Key Features

- **High CRI (>90):** Provides exceptional color accuracy for natural and vibrant object and skin tone reproduction, ideal

for photography and video.

- **Superior Brightness:** Equipped with 54*4W LED bulbs, delivering up to 5500 lumens for large venues.
- **RGBW Full Color:** 4-in-1 LED sources (Red, Green, Blue, White) offer brighter and purer colors than traditional RGB lights.
- **Flexible Control Modes:** Supports DMX, automatic, and sound-activated modes, along with multiple pre-set colors.
- **Wide Application Range:** Suitable for parties, discos, bars, clubs, weddings, churches, live performances, studios, and more.

4.2 Physical Components



Figure 1: Front view of the Betopper LPC010N-4 LED Par Light, highlighting the 54x4W RGBW LEDs.



Figure 2: Rear view of the Betopper LPC010N-4, detailing DMX In/Out, Power In/Out, control panel, and cooling fan.

The fixture features a robust aluminum housing, a cooling fan for heat dissipation, and a digital display with four control buttons (MENU, UP, DOWN, ENTER) for easy navigation. It includes DMX In/Out ports for external control and Power In/Out for daisy-chaining multiple units.

5. SETUP

5.1 Mounting

The LPC010N-4 can be mounted in various ways:

- **Floor Mount:** Use the adjustable bracket to position the light on a flat surface.
- **T-Bar/Truss Mount:** Secure the fixture to a T-bar or lighting truss using appropriate clamps (not included) and a safety cable. Ensure the mounting surface can support the weight of the fixture.



Figure 3: Examples of floor and T-bar mounting for the LPC010N-4, with dimensions indicated.

5.2 Power Connection

Connect the provided power cable to the 'POWER IN' port on the rear of the fixture and then to a suitable AC100-240V power outlet. Multiple units can be daisy-chained using the 'POWER OUT' port to connect to the 'POWER IN' of the next fixture.

5.3 DMX Connection (Optional)

For DMX control, connect a DMX cable from your DMX controller's output to the 'DMX IN' port of the first fixture. To daisy-chain multiple DMX fixtures, connect the 'DMX OUT' of the first fixture to the 'DMX IN' of the next, and so on.

6. OPERATING MODES

6.1 Control Panel Navigation

The rear control panel features a digital display and four buttons:

- **MENU:** Cycles through the main menu options.

- **UP:** Increases values or navigates up through menu options.
- **DOWN:** Decreases values or navigates down through menu options.
- **ENTER:** Confirms selection or enters a submenu.



Figure 4: Example of adjusting CRI mode via the control panel, illustrating button functions.

6.2 DMX Control Mode

The fixture supports DMX512 protocol with 4 or 8 channel modes. Refer to the DMX channel chart in the appendix (not provided in this manual) for specific channel functions. Set the DMX address using the control panel.

6.3 Automatic Mode

The automatic mode features pre-programmed light shows and color sequences. Use the MENU button to select 'Auto' mode and then UP/DOWN to choose different auto programs.

6.4 Sound-Activated Mode

In sound-activated mode, the light reacts to ambient sound or music. Use the MENU button to select 'Sound' mode. The fixture's built-in microphone will detect audio and trigger dynamic lighting effects.



Figure 5: Overview of available control and light modes, including sound activation.

6.5 Master-Slave Mode

Connect multiple fixtures via DMX cables. Set one fixture as the 'Master' (e.g., in Auto or Sound mode) and the others as 'Slave' units. The slave units will then synchronize their effects with the master unit.

7. LIGHT EFFECTS

The LPC010N-4 offers a variety of dynamic lighting effects:

- **Strobe:** Rapid flashing of light.
- **Gradual Fading Change:** Smooth transitions between colors.
- **Jump:** Instantaneous changes between colors.
- **Pulse Change:** Rhythmic changes in light intensity or color.



Figure 6: Various lighting effects and colors achievable with the LPC010N-4.



Figure 7: Vivid color projections from the LPC010N-4, demonstrating its wide color palette.

7.1 CRI Comparison

The high CRI (>90) of the LPC010N-4 ensures that colors appear more natural and true to life compared to lights with lower CRI values.



CRI ≥ 90
Natural color reproduction

- Bright lights
- Super heat dissipation
- Pure color temperature

Adjust the CRI Mode: MENU → CT → UP/DOWN → ENTER



① Press MENU



② Display Ct → Press ENTER



③ Press DOWN/UP



④ Press ENTER

Adjustment range 01-09



Figure 8: Visual comparison of color reproduction under high CRI vs. normal light.

7.2 Brightness Comparison

The 54x4W configuration provides significantly higher brightness compared to lights with fewer or lower wattage LEDs.

Why Choose BETOPPER LED Par Light?



Figure 9: Brightness comparison between Betopper 54x4W and other 36x1W par lights.

7.3 Video Demonstrations

Video 1: Demonstrates the various lighting modes and effects of the Betopper 54x4W professional par light, including CRI comparison, sound activation, and control panel functions.

Video 2: Shows a demo of Betopper DJ Stage Lights, including RGBW moving heads and par lights, showcasing dynamic effects and synchronization.

Video 3: Features the BETOPPER Stage Light with High CRI LED Par Lighting 54X4W, demonstrating its color capabilities and brightness.

Video 4: Compares different BETOPPER LED Par Light models (LPC120, LPC010N, LPC010-B), highlighting their features and differences.

8. MAINTENANCE

- **Cleaning:** Regularly clean the lens and housing with a soft, lint-free cloth. Do not use abrasive cleaners.
- **Fan Maintenance:** Ensure the cooling fan is free from dust and debris to maintain optimal performance and prevent overheating.
- **Storage:** When not in use, store the fixture in a dry, dust-free environment.
- **Inspection:** Periodically check all cables, connections, and mounting hardware for any signs of wear or damage.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable disconnected; no power from outlet; fuse blown.	Check power cable connection; test outlet; replace fuse if necessary.
No light output	Fixture in blackout mode; incorrect mode selected; internal fault.	Check control panel settings; cycle through modes; contact support if fault persists.
DMX control not working	Incorrect DMX address; faulty DMX cable; DMX controller issue; incorrect DMX mode.	Verify DMX address; check DMX cable integrity; test with another controller; ensure fixture is in DMX mode.
Light flickering	Unstable power supply; DMX signal interference; loose connection.	Ensure stable power; check DMX termination; secure all connections.

10. SPECIFICATIONS

Feature	Detail
Model Number	LPC010N
Light Source Type	Light Emitting Diode (LED)
Number of Light Sources	54
Wattage (per LED)	4W
Total Wattage	216 Watts
Light Output Maximum	5500 Lumens
Color Rendering Index (CRI)	95 (CRI>90)
Color Temperature	4500 Kelvin
Bulb Features	CRI>90, RGBW full color, DMX, automatic, sound-activated
Material	Aluminum
Finish Type	Brushed
Mounting Type	Floor Mount
Power Source	Corded Electric
Product Dimensions	9.84"L x 4.5"W x 9.84"H
Item Weight	16.06 pounds
Batteries Included	No

11. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Betopper customer service. Keep your purchase receipt as proof of purchase.

Visit the official Betopper store for more information: [BetopperDirect Store](#)

