Betopper LPC010N

BETOPPER DMX512 LED Stage Light User Manual

Model: LPC010N

Important Safety Instructions

Please read this manual carefully before operating the BETOPPER DMX512 LED Stage Light. Keep this manual for future reference. Failure to follow these instructions may result in injury or damage to the product.

- Ensure the power supply voltage matches the product's requirements (230V AC).
- Do not expose the device to rain or moisture to prevent fire or electric shock.
- Always disconnect from the power supply before cleaning or servicing.
- 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.
- Ensure proper ventilation around the unit to prevent overheating.

Product Overview

The BETOPPER DMX512 LED Stage Light (Model: LPC010N) is a high-brightness, versatile lighting fixture designed for professional stage, party, wedding, club, and bar applications. It features 54 x 4W RGBW LEDs, offering vibrant colors and multiple control options.

Key Features

- **High CRI (>90):** Ensures natural and vibrant color rendering for objects and skin tones.
- **5000 LM High Brightness:** Delivers powerful illumination suitable for large venues.
- **RGBW Color Mixing:** Combines Red, Green, Blue, and White LEDs for a wide spectrum of colors.
- **Multiple Light Effects:** Includes jump, fade, pulse, and strobe effects.
- **Four Control Modes:** DMX512, Auto, Sound-Activated, and Master-Slave for flexible operation.
- **Durable Construction:** Designed for reliability with an efficient cooling system.
- **Long Lifespan:** LEDs rated for up to 50,000 hours of operation.

Package Contents

- BETOPPER DMX512 LED Stage Light Unit
- Power Cable
- Adjustable Mounting Bracket
- User Manual

Product Diagram



Rear panel of the BETOPPER DMX512 LED Stage Light, illustrating the DMX In/Out ports, Power In/Out, cooling fan, and the digital control display with MENU, UP, DOWN, and ENTER buttons.



The BETOPPER DMX512 LED Stage Light is suitable for a variety of applications, including professional stage performances, lively parties, elegant weddings, and solemn church events, demonstrating its versatility.

Setup

Mounting Options

The BETOPPER DMX512 LED Stage Light can be installed in various configurations using its adjustable bracket:

- **Floor Mount:** Place the unit on a stable, flat surface.
- **Wall Mount:** Securely attach the bracket to a wall using appropriate hardware.
- **Ceiling Mount:** Hang the unit from a truss or ceiling structure using clamps and safety cables (not included).



This diagram illustrates the compact dimensions (28cm/11inch height, 22cm/8.7inch width, 9.5cm/3.7inch depth) and lightweight nature (2KG) of the BETOPPER DMX512 LED Stage Light, along with an example of easy truss mounting.

Power Connection

Connect the provided power cable to the 'POWER IN' port on the rear of the unit. Plug the other end into a standard 230V AC power outlet. The unit features a 'POWER OUT' port for daisy-chaining power to other compatible units.

Operating Instructions

Control Panel Overview

The rear control panel features a digital display and four buttons: MENU, UP, DOWN, and ENTER. These buttons are used to navigate through the various settings and operating modes.

- **MENU:** Cycles through the main menu options.
- **UP:** Increases values or moves up through menu options.
- **DOWN:** Decreases values or moves down through menu options.

- **ENTER:** Confirms selections or enters sub-menus.

Operating Modes

The BETOPPER DMX512 LED Stage Light offers four primary operating modes:



The four flexible control modes available: DMX512 (4/8 CH), Auto, Sound-Activated, and Master-Slave, providing comprehensive control options for various lighting setups.

1. DMX512 Mode

This mode allows professional control of the light using a DMX controller. Connect a DMX cable from your controller to the 'DMX IN' port. Use the control panel to set the DMX address (e.g., 'A001'). The light supports 4 or 8 DMX channels, controlling various parameters like color, intensity, and effects.



Advanced DMX512 control allows for precise and comfortable management of the stage light, enabling complex lighting designs for professional events.

2. Auto Mode

In Auto mode, the light cycles through pre-programmed internal effects and color sequences automatically. This mode is ideal for quick setup without external control.

3. Sound-Activated Mode

The light's built-in microphone detects ambient sound, and the lighting effects will synchronize with the beat of the music. Adjust sensitivity via the menu if available.

4. Master-Slave Mode

Connect multiple units using DMX cables. Set one unit as the 'Master' and the others as 'Slave'. The slave units will mimic the master unit's behavior, allowing synchronized lighting across multiple fixtures without a DMX controller.

Color and Effect Settings

The RGBW LEDs allow for a vast array of color combinations. The light also features integrated effects such as:

- **Jump:** Instantaneous color changes.
- **Fade:** Smooth transitions between colors.
- **Pulse:** Gradual brightening and dimming of colors.
- **Strobe:** Rapid flashing effect.



This image demonstrates the vibrant and pure color output of the 4-in-1 RGBW PAR LED Stage Light, showcasing its ability to produce a wide range of colors and effects including jump, fade, pulse, and strobe.

To adjust the Color Rendering Index (CRI) for optimal color accuracy, navigate to the CRI setting in the menu. This feature ensures that objects and skin tones appear natural and vibrant under the light.



Detailed steps for setting the CRI mode: 1. Press MENU. 2. Display Ct - Press ENTER. 3. Press DOWN/UP to adjust range 01-09. 4. Press ENTER to confirm. This ensures professional color accuracy for various applications.

Maintenance

Cleaning

Regular cleaning helps maintain optimal performance and extends the lifespan of your light. Use a soft, lint-free cloth to wipe down the exterior. For the lens, use a specialized lens cleaning solution and cloth to avoid scratches. Ensure the unit is powered off and disconnected before cleaning.

Storage

When not in use, store the light in a dry, dust-free environment. Keep it in its original packaging or a protective case to prevent damage from impacts or moisture.

Troubleshooting

Problem	Possible Cause	Solution
No Power	Power cable disconnected; No power from outlet; Faulty power cable.	Check power cable connections; Try a different power outlet; Replace power cable.
No Light Output	Incorrect operating mode selected; DMX signal issue; Dimmer setting too low.	Verify operating mode (Auto, Sound, DMX); Check DMX connections and address; Increase dimmer level.
Incorrect Colors / Effects	DMX channel mismatch; Incorrect program selected in Auto mode.	Verify DMX address and channel assignments; Cycle through Auto mode programs.
Unit Overheating	Insufficient ventilation; Fan obstructed.	Ensure adequate space around the unit; Clear any obstructions from the fan vents.

Specifications

Attribute	Value
Brand	Betopper
Model Number	LPC010N
Dimensions (L x W x H)	12 x 10 x 16 cm
Weight	2 Kilograms
Color	RGBW
Number of LEDs	54
LED Power	4W per LED
Total Light Source Power	216 Watts
Luminous Flux	5000 lumen
Voltage	230 Volts (AC)
Control Modes	DMX512, Auto, Sound-Activated, Master-Slave
CRI	>90
Lifespan	50,000 hours

Warranty and Support

The BETOPPER DMX512 LED Stage Light comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card or documentation included with your purchase. Retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or any service inquiries, please contact BETOPPER Direct. Our customer service team is available to provide fast 24-hour after-sales support for any installation, usage, or quality problems you may encounter.

For the most up-to-date contact information, please visit the official BETOPPER website or refer to the contact details provided on your product packaging.

© 2024 BETOPPER. All rights reserved.