Big Dipper LPC007

Big Dipper LPC007 LED Stage Light User Manual

54x3W RGB Multi-Color Bright Lighting with DMX Sound Activated Master-Slave Uplights

1. Product Overview

The Big Dipper LPC007 LED Stage Light is a versatile lighting fixture designed for various events and venues. It features 54x3W RGB 3-in-1 high-power LED beads, capable of illuminating a 30-40 square meter area with rich and vivid lighting effects. The unit supports multiple operating modes and offers robust construction for extended use.



Front view of the Big Dipper LPC007 LED Stage Light, showcasing its 54x3W RGB LEDs emitting a vibrant red light. The light is mounted on its adjustable bracket.

Key Features:

- **Powerful Illumination:** Equipped with 54x3W RGB 3-in-1 high power LED beads for bright, multi-color output.
- **Diverse Operating Modes:** Includes sound-activated, DMX-512 (3/7-CH), master-slave, strobe, color mixing, jump, fade, pulse, and auto modes.
- **Color Versatility:** Offers static colors (red, green, blue, etc.), color combining, changing, strobe, and dimmable 0-100% functions.
- **Durable Construction:** Features an aluminum alloy housing and a built-in cooling fan for heat dissipation and a long lifespan of up to 50,000 hours.
- **Easy Installation:** Comes with brackets and screws for mounting on trusses or walls, or for floor placement.

2. What's in the Box

Upon opening your Big Dipper LPC007 LED Stage Light package, you should find the following components:

- 1 x LED Stage Light Unit
- 1 x User Manual
- 2 x Brackets
- 2 x Screws



An image displaying the items included in the Big Dipper LPC007 package: one par light unit, a user manual, two mounting brackets, and two screws for installation.

3. Setup

The Big Dipper LPC007 LED Stage Light is designed for straightforward installation and operation.

3.1 Physical Installation

1. **Mounting:** Use the included brackets and screws to securely mount the light on a truss system or a wall. Ensure the mounting surface can support the weight of the fixture.
2. **Placement:** Alternatively, the light can be placed directly on the floor for uplighting effects. The adjustable bracket allows for precise aiming.
3. **Power Connection:** Connect the power cable to a standard AC 100-240V power outlet. The unit is plug-and-play and will typically power on in auto-run mode.



Two Big Dipper LPC007 LED Stage Lights, one emitting red and the other purple light, positioned to demonstrate their versatile usage and easy installation options for various environments.

3.2 Control Panel Overview

The rear panel of the LPC007 features a digital display and control buttons for mode selection and parameter adjustment.



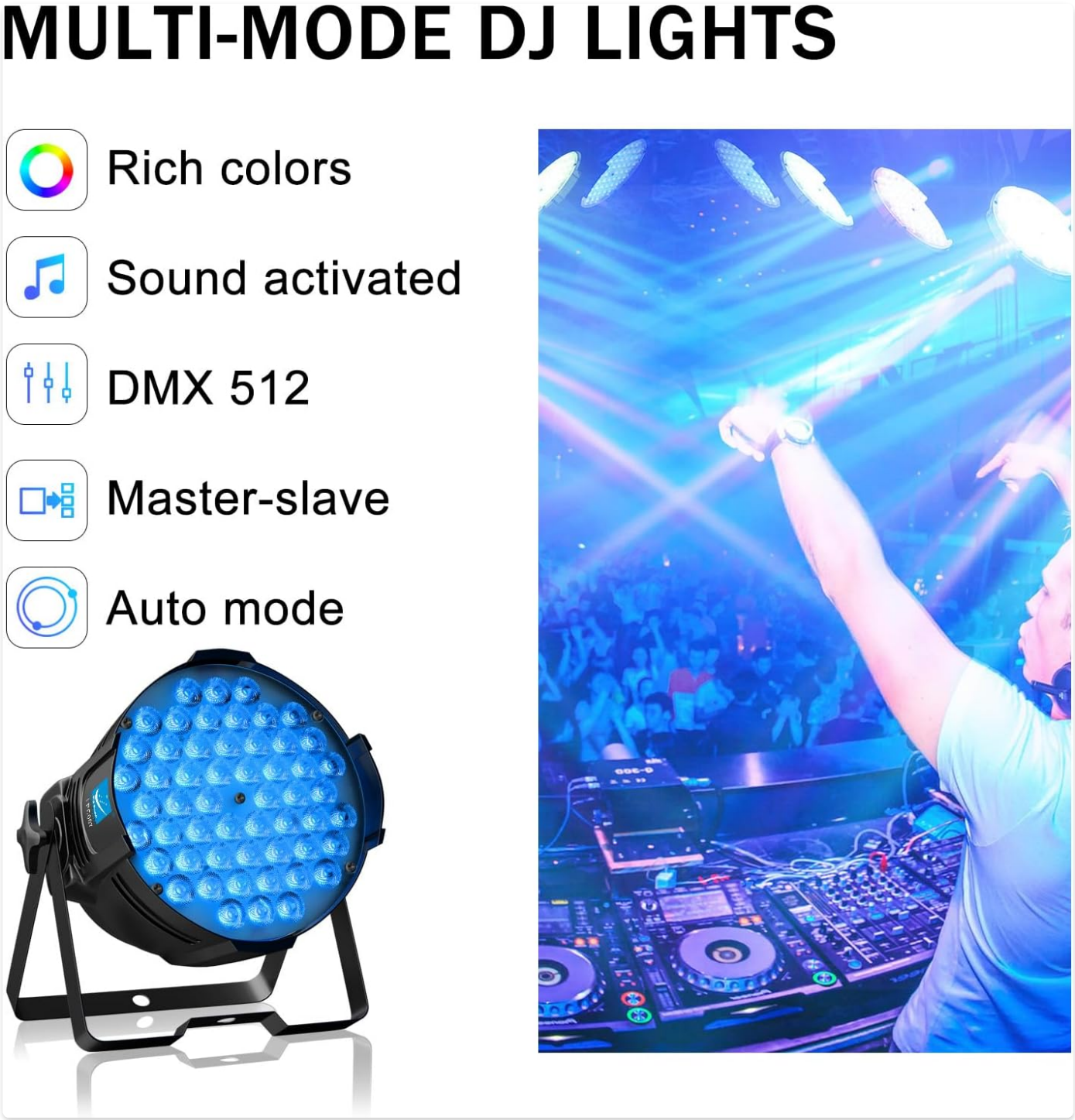
A detailed diagram pointing out key features of the Big Dipper LPC007 LED Stage Light, including its RGB LEDs, ventilation vents, digital display, dual mounting brackets, and DMX input/output ports.

- **Digital Display:** Shows current mode and parameter values.
- **MENU Button:** Navigates through different operating modes and settings.
- **UP/DOWN Buttons:** Adjusts parameter values within a selected mode.
- **ENTER Button:** Confirms selections.
- **DMX IN/OUT:** XLR ports for connecting to a DMX controller or linking multiple units.

4. Operating Modes

The LPC007 offers a variety of modes to suit different lighting needs:

- **Auto Mode:** The light cycles through pre-programmed color changes and effects automatically.
- **Sound-Activated Mode:** Utilizes a built-in microphone to synchronize light effects with music beats.
- **Color Mixing Mode:** Allows for custom color creation by blending red, green, and blue LEDs.
- **Strobe Mode:** Produces rapid flashes of light.
- **Jump/Fade/Pulse Modes:** Offers various dynamic transitions between colors.
- **Dimmable 0-100%:** Adjust the brightness intensity from 0% to 100%.



The Big Dipper LPC007 LED Stage Light is shown alongside icons representing its diverse operating modes, including rich color output, sound activation, DMX 512 control, master-slave synchronization, and automatic programs.



An array of Big Dipper LPC007 LED Stage Lights demonstrating their capability to produce bright, multi-colored light effects, including solid colors and mixed hues, suitable for various stage and event settings.



A series of images showcasing the Big Dipper LPC007 LED Stage Light producing distinct single-color beams, demonstrating its ability to project red, purple, green, yellow, blue, and white light.

5. DMX Control

The LPC007 supports DMX-512 protocol, allowing for advanced control over lighting parameters using an external DMX controller. It offers 3-channel and 7-channel modes.

5.1 DMX Address Setting

To set the DMX address, use the MENU button to navigate to the DMX address setting (often displayed as 'A.XXX' on the digital display). Use the UP/DOWN buttons to adjust the address and ENTER to confirm.

5.2 Master-Slave Mode

For synchronized operation without a DMX controller, multiple LPC007 units can be linked in a master-slave configuration. Connect the DMX OUT of the master unit to the DMX IN of the first slave unit, and continue linking in series. Configure the master unit to a master mode and slave units to slave mode via the control panel.

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Official product video demonstrating the Big Dipper LPC007 LED Stage Light's features, including its sturdy aluminum shell, upgraded light board, 16.7 million color changes, and various modes like strobe. It highlights the versatility and vibrant output of the light.

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Official product video showcasing the dynamic color mixing and lighting effects of the Big Dipper 54x3W DJ Stage Lights. The video illustrates how multiple units can create a synchronized light show for events.

6. Maintenance

To ensure the longevity and optimal performance of your Big Dipper LPC007 LED Stage Light, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the lens and exterior with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials.
- **Ventilation:** Ensure the built-in cooling fan and ventilation vents are clear of obstructions to prevent overheating.
- **Storage:** When not in use, store the light in a dry, dust-free environment.
- **Inspection:** Periodically check all cables and connections for any signs of wear or damage.

7. Troubleshooting

If you encounter issues with your Big Dipper LPC007 LED Stage Light, consider the following common troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to both the light and a functional power outlet.
- **Fan Noise:** The unit includes a cooling fan which may produce audible noise during operation. This is normal for active cooling systems. Ensure vents are clear.
- **Unexpected Color Changes/Modes:** Verify the selected operating mode on the digital display. If using DMX, ensure the DMX address and channel settings are correctly configured according to your DMX controller's manual.
- **Lack of Detailed Instructions:** If the provided manual lacks specific details for advanced functions, refer to general DMX lighting guides or contact Big Dipper customer service for further assistance.

8. Specifications

Feature	Specification
Model Number	LPC007
Light Source Type	LED (54x3W RGB 3-in-1)
Brightness	5000 Lumen
Wattage	180 watts (Max Compatible: 162 Watts)
Voltage	240 Volts (AC 100-240V)
Material	Aluminum
Color	Black
Product Dimensions	9.5"L x 9.5"W x 11.65"H
Item Weight	3.92 pounds
Average Life	50,000 Hours
Beam Angle	120 Degrees
Mounting Type	Floor Mount, Truss Mount, Wall Mount
Special Features	Dimmable, Corded

9. Warranty and Support

Big Dipper is committed to providing quality products and customer satisfaction. The LPC007 LED Stage Light is designed for durability with an aluminum alloy housing and a built-in cooling fan, contributing to a service life of up to 50,000 hours. For any issues or inquiries, please contact the Big Dipper 24/7 customer service team for assistance.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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