Betopper LM30A

BETOPPER LM30A Stage Light Instruction Manual

Model: LM30A

Brand: Betopper

1. Introduction

The BETOPPER LM30A Moving Head DJ Light is a versatile lighting fixture designed for various events such as parties, pubs, clubs, weddings, and festivals. It features RGBW 4-in-1 LED technology, offering a wide range of color combinations and dynamic lighting effects. This manual provides detailed instructions for the safe and effective operation of your LM30A stage light.

2. What's in the Box

- LM30A Moving Head Light
- Installation Brackets & Screws
- User Manual (this document)



Image: The package contents of the BETOPPER LM30A, showing the main light unit, its power cable, a mounting bracket with screws, and the printed user manual.

3. Setup and Installation

Before operating the device, ensure it is placed on a stable surface or securely mounted using the provided brackets. Always connect the power supply last.

1. **Unpacking:** Carefully remove all components from the packaging. Inspect the device for any signs of damage during transit.
2. **Mounting:** The LM30A can be mounted on a truss or stand using the included brackets. Ensure the mounting surface or structure can safely support the weight of the fixture. Secure the light firmly to prevent accidental falls.
3. **Power Connection:** Connect the power cable to the "Power In" port on the rear of the unit. Plug the other end into a compatible power outlet (AC 100-240V, 50/60Hz).
4. **Initial Motor Reset:** Upon power-up, the light will perform an automatic motor reset. Allow the unit to complete this process before proceeding.



Image: A detailed view of the rear panel of the LM30A, highlighting the power input, DMX input and output ports, and the LED display with control buttons.

Your browser does not support the video tag.

Video: This video demonstrates the initial power connection, motor reset sequence, and basic operation of the LM30A, including sound sensitivity adjustment and DMX connection. It provides a visual guide to the setup process.

4. Operating Modes

The LM30A offers four primary operating modes, selectable via the control panel or DMX controller:

- **Automatic Mode:** The light cycles through pre-programmed lighting patterns and movements automatically. This mode is ideal for quick setup and general use without external control.
- **Sound Activated Mode:** Utilizing a built-in HD microphone, the lighting style changes automatically in response to music and ambient sound. The sensitivity of the sound activation can be adjusted via the control panel.
- **Master-Slave Mode:** Multiple LM30A units can be linked together to run synchronously. One unit acts as the "Master" controlling the others ("Slaves"), ensuring synchronized lighting effects across all connected fixtures.
- **DMX512 Control Mode:** For advanced control, the light can be connected to a DMX controller. This allows for

precise manipulation of individual light parameters, including color, movement, and effect speed, across 7 DMX channels.



Image: This composite image illustrates the four main operating modes: DMX control, Sound Activated, Master-Slave synchronization, and Automatic mode, showcasing the versatility of the light.

5. Key Features

- **Large Range Spider Beam:** The LM30A features 8 magic beams with an XY axis angle of 540 degrees and Y1/Y2 angles of 120 degrees each. These beams can create chasing light effects and continuously convert swing patterns, ensuring a bright and wide projection range. The effect is further enhanced when used with stage smoke or fog.
- **Powerful RGBW Light Source:** Equipped with 8 powerful RGBW 4-in-1 LED light beads, the fixture allows for free color changes and combinations of red, green, blue, and white. This enables gorgeous visual effects that can complement audio systems for an immersive experience.
- **User-Friendly Control:** The light can be easily controlled via its onboard control panel buttons or an external DMX controller, offering flexibility for various user needs.



Image: A front view of the BETOPPER LM30A, showcasing its eight individual RGBW LED lights and the dynamic, multi-colored beam patterns it can project.



Image: A collage demonstrating different lighting effects produced by the LM30A, including sharp beams, wide washes, and intricate patterns, highlighting its visual capabilities.



Image: A diagram illustrating the Y-axis rotation capability of the LM30A, showing how the light heads can rotate from 60 to 150 degrees, enabling dynamic movement of the beams.

6. Specifications

Attribute	Value
Model Number	LM30A
Brand	Betopper
Light Source Type	LED
Number of Light Sources	8
Light Source Wattage	3 Watts (per LED)
Maximum Compatible Light Source Wattage	24 Watts (total)

Attribute	Value
Color	Black
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	8"L x 6"W x 7.9"H (approx. 20.3cm L x 15.2cm W x 20.1cm H)
Item Weight	3.54 pounds (approx. 1.61 kg)
Power Source	Corded Electric
Mounting Type	Truss Mount, Stand Mount
UPC	761560008713

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your BETOPPER LM30A stage light.

- **Cleaning:** Periodically clean the exterior of the fixture with a soft, dry cloth. For lenses, use a specialized lens cleaning solution and a microfiber cloth to avoid scratches. Ensure the device is unplugged before cleaning.
- **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 wear, cuts, or damage. Replace damaged cables immediately to prevent electrical hazards.
- **Storage:** When not in use, store the light in a dry, dust-free environment, preferably in its original packaging or a protective case.

8. Troubleshooting

This section addresses common issues you might encounter with your LM30A stage light.

- **No Power:**
  - Check if the power cable is securely connected to both the fixture and the power outlet.
  - Verify that the power outlet is functional by plugging in another device.
  - Ensure the main power switch on the unit (if present) is in the 'ON' position.
- **No Light Output:**
  - Confirm the unit is receiving power and the display is active.
  - If in DMX mode, check your DMX controller settings and ensure the correct channels are active and values are set above zero for light output.
  - If in Sound Activated mode, ensure there is sufficient audio input and the sensitivity is adjusted correctly.
- **Motors Not Moving / Erratic Movement:**
  - Allow the unit to complete its initial motor reset sequence upon power-up.
  - If in DMX mode, check the DMX controller for pan/tilt channel values.
  - Ensure the light is not obstructed.
- **Sound Activation Not Responsive:**
  - Adjust the sound sensitivity setting on the control panel. Increase the sensitivity if the light is not reacting to

sound.

- Ensure the microphone is not obstructed.
- Increase the volume of the audio source.

If issues persist after following these steps, please refer to the official user manual PDF or contact Betopper customer support.

9. Warranty and Support

For detailed warranty information and customer support, please refer to the official user manual provided with your product or visit the Betopper official website. A digital version of the user manual is available for download:

Download User Manual (PDF)

Additional protection plans may be available for purchase to extend coverage beyond the standard warranty period. Please check with your retailer for details.

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

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

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