Betopper LM30

BETOPPER LM30 Moving Head DJ Light Instruction Manual

Model: LM30 | Brand: Betopper

1. Introduction

This manual provides essential information for the safe and effective operation of your BETOPPER LM30 Moving Head DJ Light. Please read it thoroughly before installation and use, and retain it for future reference.

2. Safety Instructions

- Always connect the unit to a grounded power outlet.
- Ensure proper ventilation around the fixture to prevent overheating.
- Do not operate the fixture if the power cord is damaged.
- Avoid direct eye exposure to the light source.
- Disconnect power before any maintenance or cleaning.
- This product is for indoor use only.

3. Product Overview

The BETOPPER LM30 is an RGBW 8x3W LED Moving Head Spider Light designed for various stage and event lighting applications. It features eight powerful LED light beads, offering a wide range of color combinations and dynamic beam effects.

Key Features:

- **Large Range Spider Beam:** XY axis angle: 540 degrees, Y1: 120 degrees, Y2: 120 degrees.
- **RGBW 4-in-1 LEDs:** Red, Green, Blue, and White LEDs for versatile color mixing.
- **Multiple Operating Modes:** Automatic, Sound Activated, Master-Slave, and DMX512.
- **Easy Control:** Via onboard control panel or DMX controller.

What's in the Box:

- LM30A Moving Head Light
- Installation Brackets & Screws
- User Manual
- Power Cable



Figure 3.1: Front view of two BETOPPER LM30 Moving Head DJ Lights. Each light features eight RGBW LED lenses arranged in two rows of four, capable of producing vibrant colors.

4. Setup and Installation

4.1 Mounting

The LM30 light can be mounted using a truss mount or stand mount. Ensure the mounting surface or structure is capable of supporting the weight of the fixture(s) and any additional equipment. Use the provided installation brackets and screws for secure attachment.



Figure 4.1: Product dimensions and included accessories, including the mounting bracket and power cable.

4.2 Power Connection

Connect the provided power cable to the "POWER IN" port on the rear of the fixture and then to a suitable grounded power outlet (230V). The "POWER OUT" port can be used to daisy-chain power to other compatible fixtures.



Figure 4.2: Rear panel connections, including power input/output and DMX input/output.

4.3 DMX Connection (Optional)

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

5. Operating Modes

The BETOPPER LM30 offers four primary operating modes, selectable via the control panel on the fixture.

5.1 Control Panel Overview



Figure 5.1: The control panel features an LED display and buttons for mode selection and parameter adjustment.

- **MENU:** Cycles through menu options.
- **UP/DOWN:** Adjusts values or selects options.
- **ENTER:** Confirms selection.

5.2 Automatic Mode

In Automatic Mode, the fixture runs through pre-programmed light shows without external input. You can select different auto programs and adjust their speed.

1. Press **MENU** until "Shnd" (Auto Mode) is displayed. Press **ENTER**.
2. Use **UP/DOWN** to select a light effect (e.g., "Sh01" to "Sh24"). Press **ENTER**.
3. To adjust speed, press **MENU** until "SPed" is displayed. Press **ENTER**.
4. Use **UP/DOWN** to select a speed (e.g., "SP01" for fastest, "SP08" for slowest). Press **ENTER**.

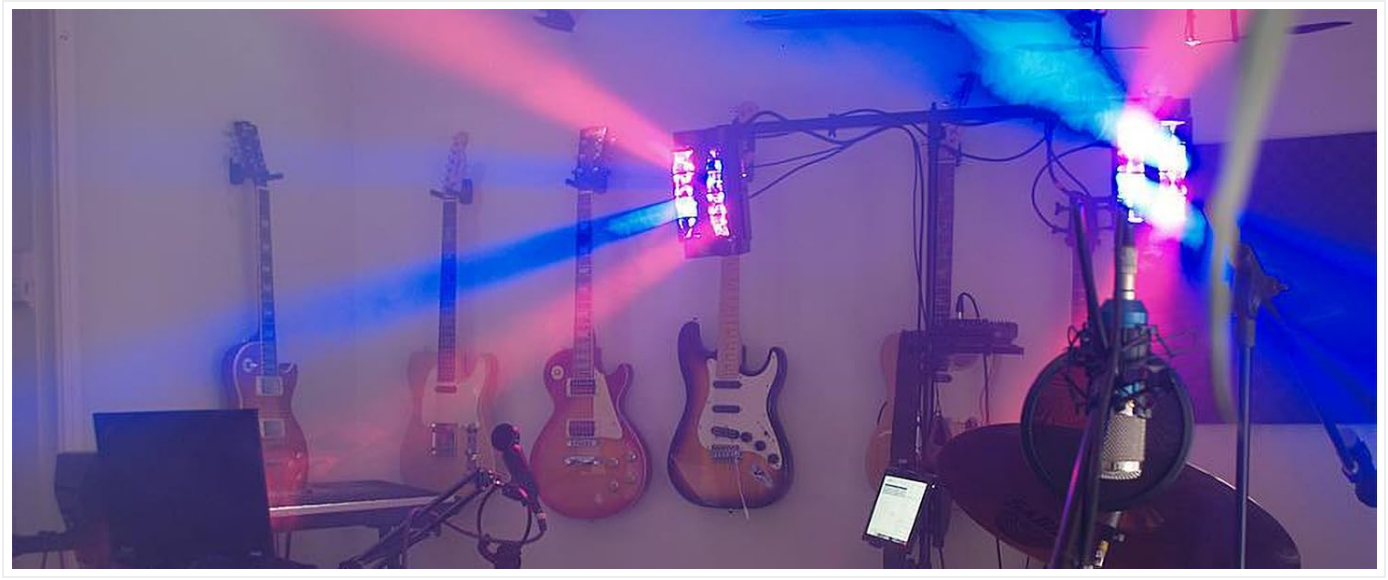


Figure 5.2: Steps for configuring Automatic Mode effects and speed.

5.3 Sound Activated Mode

In Sound Activated Mode, the light patterns and movements respond to ambient sound or music via a built-in microphone.

1. Press **MENU** until "SLnd" (Sound Mode) is displayed. Press **ENTER**.
2. Use **UP**/**DOWN** to select "SoUn" (Sound On). Press **ENTER**.
3. To adjust sensitivity, press **MENU** until "SoEn" is displayed. Press **ENTER**.
4. Use **UP**/**DOWN** to adjust sensitivity (range 001-100, 100 being most sensitive). Press **ENTER**.



Figure 5.3: Steps for configuring Sound Activated Mode and adjusting sensitivity.

5.4 Master-Slave Mode

This mode allows multiple fixtures to operate synchronously. Connect the DMX OUT of the master unit to the DMX IN of the first slave unit, and so on.

1. Set the first fixture as the **Master** unit (e.g., by selecting a specific auto or sound mode).
2. Set subsequent fixtures as **Slave** units (refer to control panel settings for "SLAVE" mode).
3. Ensure all slave units are connected in a DMX chain to the master unit.

5.5 DMX-512 Control

For advanced control, the LM30 can be operated via a DMX-512 controller. Each fixture requires a unique DMX address. Refer to the DMX channel chart (typically found in the full user manual) for specific channel functions and values.

1. Connect the fixture(s) to a DMX controller as described in Section 4.3.
2. Set the DMX address for each fixture using the control panel.
3. Operate the fixture functions (color, movement, strobe, etc.) via your DMX controller.



Figure 5.4: Visual representation of the four main operating modes.

6. Maintenance

- **Cleaning:** Regularly clean the lenses and exterior casing with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check power cables, DMX cables, and mounting hardware for any signs of wear or damage.
- **Storage:** When not in use, store the fixture in a dry, dust-free environment, preferably in its original packaging or a

protective case.

7. Troubleshooting

Problem	Possible Cause	Solution
No power	Power cable disconnected; no power from outlet.	Check power cable connection; test outlet with another device.
No light output	Fixture in standby; incorrect mode selected; DMX signal issue.	Check mode settings; verify DMX connection and address.
Light not responding to sound	Sound Activated Mode not selected; sensitivity too low.	Ensure Sound Activated Mode is active; increase sound sensitivity.
DMX control issues	Incorrect DMX address; faulty DMX cable; missing terminator.	Verify DMX addresses; check cables; add DMX terminator to last fixture.

8. Specifications

Model	LM30
Brand	Betopper
Light Source	8 x 3W RGBW LEDs
Power Consumption	45 Watts
Voltage	230 Volts
Beam Angle	120 Degrees
XY Axis Angle	540 degrees (X), 120 degrees (Y1), 120 degrees (Y2)
Material	Acrylonitrile Butadiene Styrene (ABS)
Dimensions (L x W x H)	8" x 6" x 7.9" (20.32 cm x 15.24 cm x 20.07 cm)
Item Weight	6.95 pounds (3.16 kg)
Mounting Type	Truss Mount, Stand Mount

9. Warranty and Support

For warranty information, technical support, or service inquiries, please contact Betopper customer service. Refer to the product packaging or the official Betopper website for the most current contact details.
Website: Betopper Official Store

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