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Betopper LM70S, LM30A, LF4808

BETOPPER LM70S Moving Head, LM30A Spider, and LF4808 Matrix Strobe Lights User Manual

Models: LM70S, LM30A, LF4808

1. Safety Instructions

Please read these instructions carefully before operating the BETOPPER LM70S, LM30A, and LF4808 lighting fixtures. Keep this manual for future reference.

- **Electrical Safety:** Ensure the power supply voltage matches the specified requirements of the fixtures. Always disconnect power before cleaning, servicing, or moving the units.
- **Ventilation:** Ensure adequate ventilation around the fixtures to prevent overheating. Do not block ventilation openings.
- **Mounting:** Securely mount the fixtures using appropriate clamps and safety cables. Ensure the mounting surface can support the weight of the fixtures.
- **Environment:** Do not expose fixtures to rain, moisture, or extreme temperatures. Operate in dry locations only.
- **Eye Safety:** Avoid direct eye exposure to the light source, as it can cause eye damage.
- **Servicing:** Refer all servicing to qualified personnel. There are no user-serviceable parts inside.

2. Product Overview

This package includes three distinct lighting fixtures designed for various stage and event applications:

2.1. BETOPPER LM70S Moving Head Light

The LM70S is a compact moving head light equipped with 7x8W RGBW 4-in-1 LEDs. It features a highly efficient optical lens system, enhancing brightness by 20% compared to standard designs. This fixture offers precise and rapid movement for dynamic lighting effects.

Image 2.1.1: The BETOPPER LM70S Moving Head Light showcasing its ability to produce vibrant red, green, blue, magenta, cyan, and white beams. The central unit features a control panel and DMX signal indicators.

- **Light Source:** 7x8W RGBW 4-in-1 LEDs.
- **Beam Angle:** 36 degrees.
- **Movement:** 540° X-axis (Pan) and 180° Y-axis (Tilt) rotation.
- **Features:** Wash light function, smooth motor motion for quick and precise response.

2.2. BETOPPER LM30A RGBW LED Spider Lights

The LM30A Spider Light features 8x3W RGBW 4-in-1 LED beads, arranged to create multiple dynamic beam effects. Its unique design allows for independent movement of two light bars, producing chasing light and continuous swing effects.

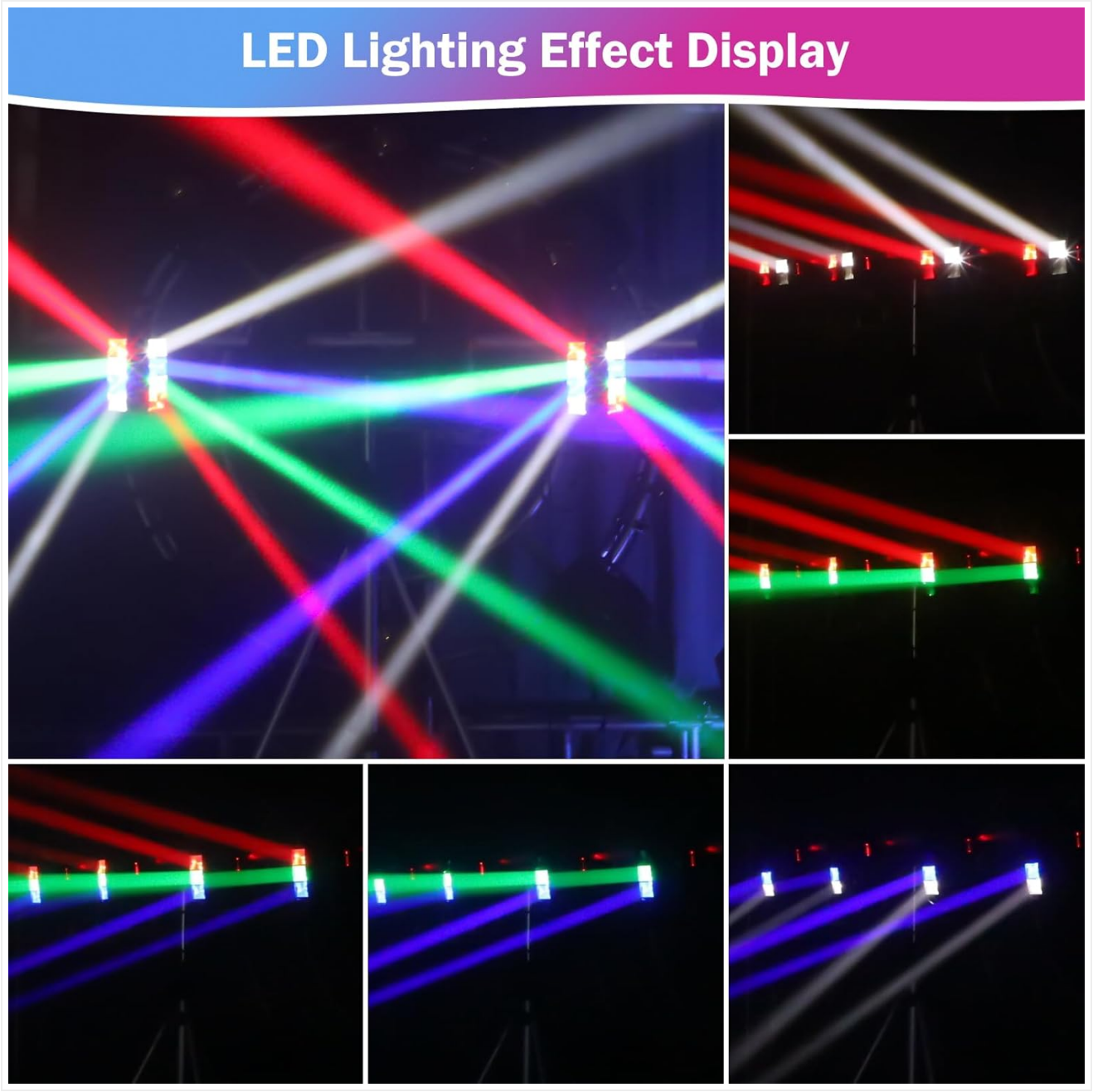

Image 2.2.1: The BETOPPER LM30A LED Spider Light demonstrating its multi-beam lighting effects with red, green, and blue colors. The fixture's two light bars are shown in various positions, creating a dynamic display.

- **Light Source:** 8x3W RGBW 4-in-1 LED beads.
- **Movement:** XY axis angle: 540 degrees (overall), Y1: 120 degrees, Y2: 120 degrees (individual light bars).
- **Features:** 8 magic beams, chasing light effects, continuous swing conversion.

2.3. BETOPPER LF4808 Matrix Strobe Effect Light

The LF4808 is a powerful 260W matrix strobe light designed to deliver high-frequency strobe effects. It combines super bright white LEDs with RGB color LEDs, offering pixel-mapped zone control for synchronized and rhythmic light sequences.

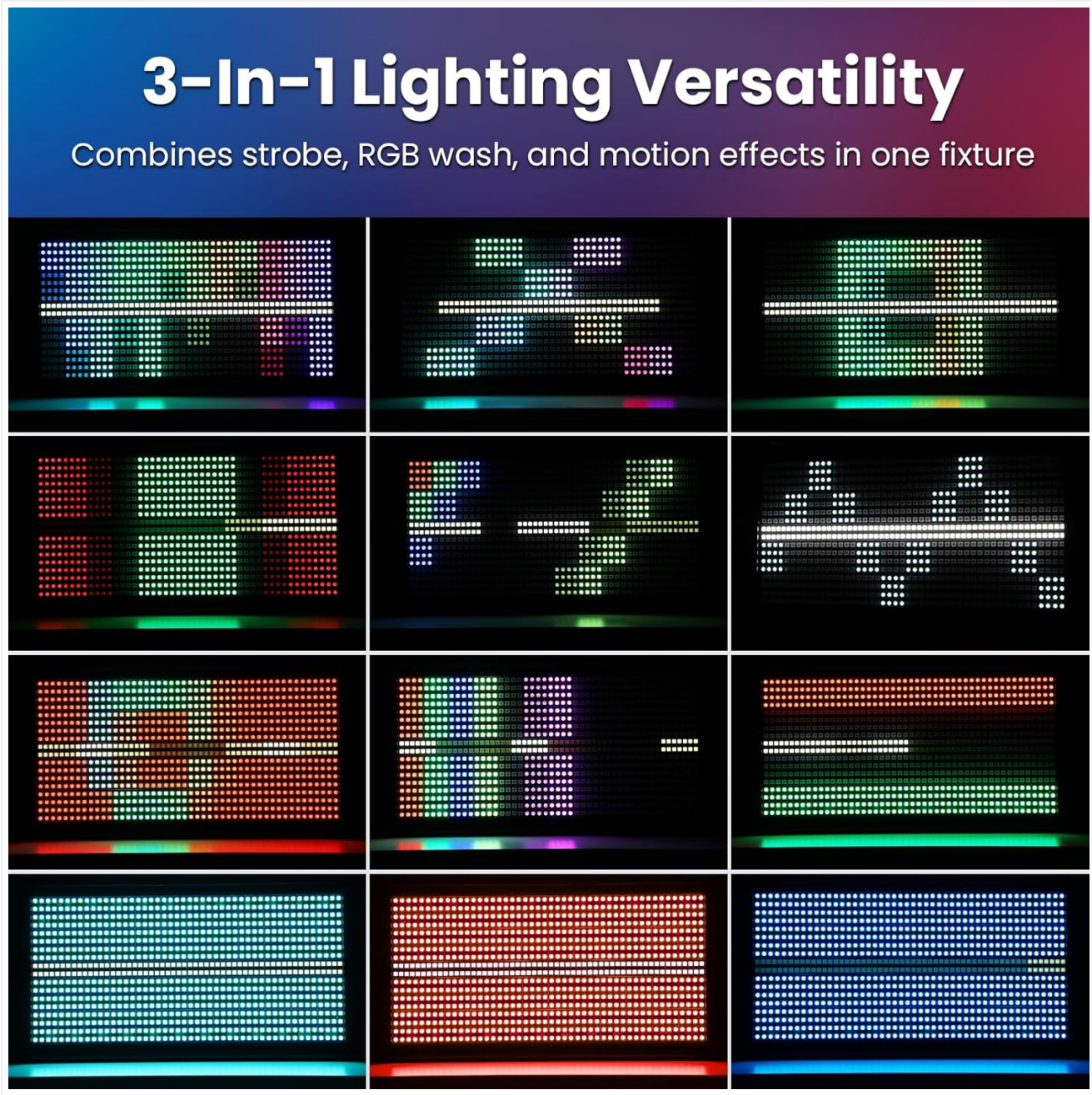

Image 2.3.1: The BETOPPER LF4808 Matrix Strobe Light illustrating its 3-in-1 lighting versatility, combining strobe, RGB wash, and motion effects through pixel-mapped patterns. Various geometric and abstract light displays are shown.

- **Power:** 260W.
- **Light Source:** Super bright white LEDs and RGB color LEDs.
- **Features:** High-frequency strobe effect, pixel-mapped zone control, 3-in-1 versatility (strobe, RGB wash, motion effects).

3. Setup and Installation

Proper setup is crucial for safe and effective operation of your BETOPPER lighting fixtures.

3.1. Mounting the LM70S Moving Head Light

The LM70S can be mounted in various orientations (floor, truss, wall) using appropriate clamps and safety cables. Ensure the mounting surface is stable and can support the fixture's weight.

Image 3.1.1: The BETOPPER LM70S Moving Head Light from a side view, highlighting its integrated mounting bracket and control panel. The design allows for secure attachment to various structures.

3.2. Mounting the LM30A LED Spider Lights

The LM30A fixtures should be securely mounted to a truss or other stable structure. Use safety cables in addition to mounting clamps to prevent accidental falls.

3.3. Mounting the LF4808 Matrix Strobe Light

The LF4808 features an adjustable bracket for flexible positioning. Ensure the fixture is securely fastened and that the bracket's angle is set correctly for the desired projection.

Image 3.3.1: The rear panel of the BETOPPER LF4808 Matrix Strobe Light, indicating Power In/Out, Fan, Display Screen, Menu/Up/Down/Enter buttons, and DMX In/Out ports. An inset shows the 360° adjustable angle of the mounting bracket.

3.4. Power Connection

Connect each fixture to a suitable power outlet using the provided power cables. Verify that the voltage matches the fixture's requirements.

3.5. DMX Connection (Optional)

For advanced control, connect the fixtures to a DMX controller using 3-pin DMX cables. Link multiple fixtures in a daisy-chain configuration: DMX Out of the controller to DMX In of the first fixture, DMX Out of the first fixture to DMX In of the second, and so on. Terminate the last fixture in the chain with a DMX terminator.

4. Operating Instructions

Each fixture can be operated via its onboard control panel or an external DMX controller.

4.1. Control Panel Operation

All fixtures feature a digital display and buttons (MODE/ESC, UP, DOWN, ENTER) for menu navigation and setting

adjustments. Refer to the specific model's detailed manual for a complete list of menu options and DMX channel assignments.

- **MODE/ESC:** Enters the menu or exits the current setting.
- **UP/DOWN:** Navigates through menu options or adjusts parameter values.
- **ENTER:** Confirms a selection or saves a setting.

4.2. DMX Control

Set the DMX address for each fixture using the control panel. Ensure each fixture has a unique address to avoid conflicts. Consult the DMX channel chart in the full product manual for detailed control parameters (e.g., pan, tilt, color, dimmer, strobe, programs).

4.3. Operating Modes

- **DMX Mode:** Full control via an external DMX controller.
- **Auto Mode:** Fixtures run through pre-programmed internal shows.
- **Sound Active Mode:** Fixtures react to sound via a built-in microphone.
- **Master/Slave Mode:** Link multiple fixtures where one acts as the master, controlling the others (slaves).

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your lighting fixtures.

- **Cleaning:** Periodically clean the lenses and exterior casing with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Fan Cleaning:** Ensure cooling fans and vents are free from dust and debris to maintain proper airflow.
- **Inspection:** Regularly inspect power cables, DMX cables, and mounting hardware for any signs of wear or damage. Replace damaged components immediately.
- **Storage:** When not in use, store fixtures in a dry, dust-free environment, preferably in their original packaging or a protective case.

6. Troubleshooting

If you encounter issues, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Fixture does not power on.	No power supply; faulty cable; internal fuse blown.	Check power connection; test cable; consult qualified technician for fuse replacement.
No DMX control.	Incorrect DMX address; faulty DMX cable; no DMX signal; missing terminator.	Verify DMX address; check DMX cable connections; ensure DMX controller is active; add DMX terminator to the last fixture.
Fixture is overheating.	Blocked ventilation; operating in high ambient temperature.	Clear all ventilation openings; ensure adequate space around the fixture; reduce ambient temperature if possible.
Lights flicker or behave erratically.	Unstable power supply; DMX signal interference; loose internal connection.	Ensure stable power; check DMX connections and cable quality; if problem persists, consult technician.

If these steps do not resolve the issue, please contact customer support.

7. Specifications

7.1. BETOPPER LM70S Moving Head Light

- **Light Source:** 7x8W RGBW 4-in-1 LEDs
- **Beam Angle:** 36 degrees
- **Pan Movement:** 540°
- **Tilt Movement:** 180°
- **Control Modes:** DMX512, Auto, Sound Active, Master/Slave
- **Lighting Range:** Up to 17 feet

Image 7.1.1: The BETOPPER LM70S Moving Head Light illustrating its projection range with a 540° X-axis (Pan) and 200° Y-axis (Tilt) movement. This visual confirms the extensive coverage capabilities of the fixture.

7.2. BETOPPER LM30A RGBW LED Spider Lights

- **Light Source:** 8x3W RGBW 4-in-1 LED beads
- **XY Axis Angle:** 540 degrees (overall)
- **Y1/Y2 Axis Angle:** 120 degrees each
- **Control Modes:** DMX512, Auto, Sound Active, Master/Slave

Image 7.2.1: The BETOPPER LM30A LED Spider Light demonstrating its Y-axis rotation capability, showing the light bars rotating from 60° to 150°. This highlights the fixture's dynamic movement for creating varied lighting effects.

7.3. BETOPPER LF4808 Matrix Strobe Effect Light

- **Power:** 260W
- **Light Source:** Super bright white LEDs and RGB color LEDs
- **Features:** High-frequency strobe, pixel-mapped zone control
- **Control Modes:** DMX512, Auto, Sound Active, Master/Slave

Image 7.3.1: The BETOPPER LF4808 Matrix Strobe Light displaying its product dimensions: 17.48 inches in length, 9.43 inches in height, and 3.23 inches in depth, with a weight of 7.72 lbs.

8. Warranty and Support

BETOPPER products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase or visit the official BETOPPER website. Keep your proof of purchase for warranty claims.

9. Official Product Videos

No official product videos from the seller were available for embedding in this manual.

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