Betopper LM70SR-2

BETOPPER Mini RGBW Stage Lighting User Manual

Model: LM70SR-2

1. Introduction

Thank you for purchasing the BETOPPER Mini RGBW Stage Lighting. This 7 x 8W moving head wash light is designed to create dynamic and vibrant lighting effects for various events, including parties, clubs, concerts, and disco events. This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of your new lighting fixture. Please read this manual thoroughly before use and retain it for future reference.



Image 1.1: Two BETOPPER Mini RGBW Stage Lights, showcasing their compact design and included remote controls.

2. Safety Information

To ensure safe operation, please observe the following precautions:

- Always connect the fixture to a grounded circuit to avoid the risk of electric shock.
- 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. The light is very bright and can cause eye damage.
- Ensure proper ventilation. Do not block ventilation openings.
- Operate the fixture in a dry environment. Do not expose to rain or moisture.
- Disconnect from power before cleaning or servicing.
- Mount the fixture securely using appropriate hardware. Ensure the mounting surface can support the weight of the fixture.

3. What's in the Box

Upon opening the package, please verify that all listed components are present and in good condition:

- BETOPPER Mini RGBW Stage Light (2 units)
- Power Cable (2 units)
- Mounting Bracket (2 units)

- Screws (4 units)
- Remote Control (2 units)
- User Manual (1 unit)



Image 3.1: Visual representation of the product and its included accessories.

4. Product Overview

The BETOPPER Mini RGBW Stage Light features a compact design with powerful 7x8W RGBW LEDs, offering a wide range of colors and effects. Its moving head functionality allows for dynamic pan (540°) and tilt (180°) movements, making it suitable for various stage and event setups.

4.1. Dimensions



Image 4.1: Detailed dimensions of the light fixture, including pan and tilt ranges.

4.2. Connections and Control Panel

The rear panel of the light features essential connections and a control panel for mode selection and DMX settings.



Image 4.2: Rear view of the light, highlighting the heat dissipation fan, power input, and 3-pin XLR DMX In/Out ports.

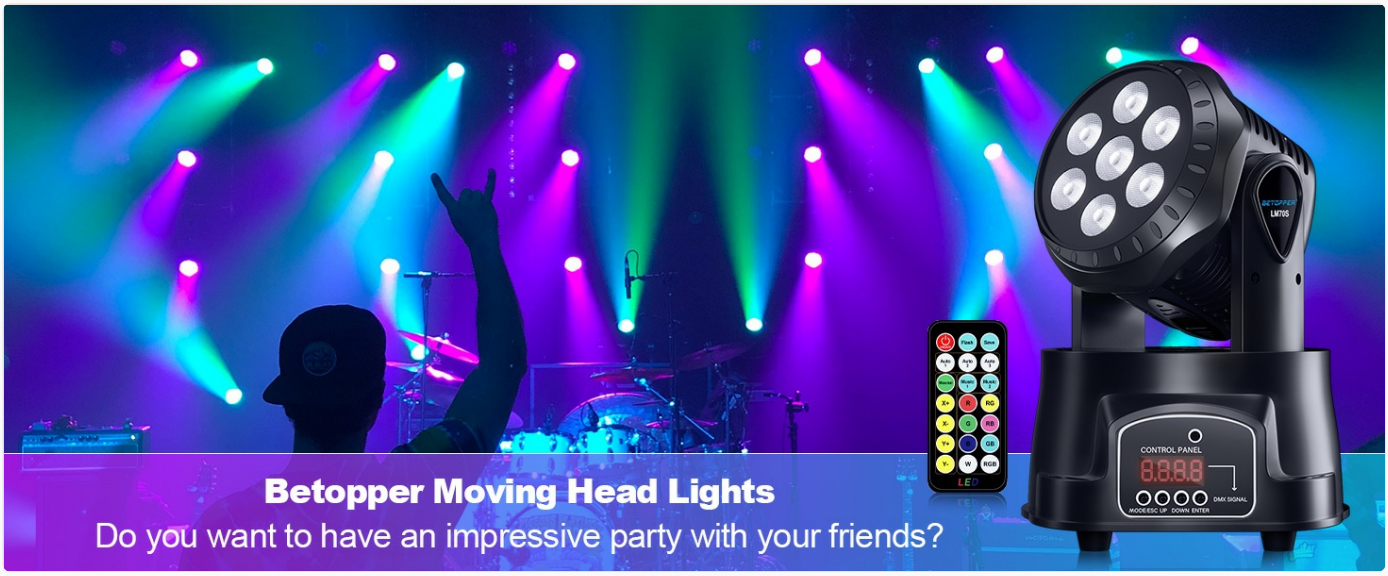


Image 4.3: Front control panel and side connections, detailing the IR signal receiver, power input/output, and navigation buttons.

5. Setup

5.1. Mounting

The BETOPPER Mini RGBW Stage Light offers versatile mounting options:

- **Floor Standing:** The light can be placed directly on a flat surface using its integrated rubber feet for stability.
- **Truss Mounting:** Use the included bracket and screws to attach the light securely to a lighting truss. Ensure safety cables are used for overhead installations.
- **Wall Mounting:** The bracket can also be used to mount the light to a wall. Ensure the wall material is suitable for supporting the fixture's weight.

5.2. Power Connection

Connect the provided power cable to the power input on the rear of the fixture and then to a standard 110V AC power outlet.

5.3. DMX Connection (Optional)

For DMX control, connect a DMX cable from your DMX controller's output to the DMX IN port of the first light. For multiple lights, daisy-chain them by connecting the DMX OUT of the first light to the DMX IN of the next, and so on.



Image 5.1: Multiple moving head lights can be controlled by a DMX console (console not included).

6. Operating Modes

The BETOPPER Mini RGBW Stage Light supports several operating modes:

- **Auto Mode:** The light runs through pre-programmed sequences automatically.
- **Sound Activated Mode:** The light reacts to music or sound, changing patterns and colors in sync with the beat.
- **DMX512 Mode:** Allows professional control over all light functions (color, dimming, strobe, pan, tilt) using a DMX controller. The light supports 9/14 DMX channels.
- **Master-Slave Mode:** Connect multiple lights via DMX cables. Set one light as the 'Master' and others as 'Slaves'.

The slave units will mimic the master's movements and effects.



Image 6.1: Overview of available control modes: DMX512, Sound Activated, Auto, and Master-slave.



Image 6.2: Examples of various light effects and color combinations achievable with the fixture.

7. Remote Control Usage

The included remote control provides convenient access to various functions without needing to interact directly with the light's control panel.



Image 7.1: Remote control layout and button functions.

- **ON/OFF:** Powers the light on or off.
- **Flash:** Activates strobe effect.
- **Save:** Saves current settings.
- **Auto 1/2/3:** Selects different automatic running modes.
- **Manual:** Allows manual setting of pan/tilt position and color.
- **Music 1/2:** Activates sound-activated modes with different sensitivities/patterns.
- **X+/X-:** Adjusts PAN (horizontal) movement.
- **Y+/Y-:** Adjusts TILT (vertical) movement.
- **R, G, B, W, RG, RB, GB, RGB:** Direct color selection buttons.

8. Specifications

Feature	Specification
Model Number	LM70SR-2
Light Source	7 x 8W RGBW LEDs
Power Consumption	56 Watts
Voltage	110 Volts (AC)
Brightness	56000 lumen
Control Modes	Auto, Sound Activated, DMX512, Master-Slave, Remote Control
DMX Channels	9/14 Channels
Pan Movement	540°
Tilt Movement	180°
Material	Acrylonitrile Butadiene Styrene (ABS)
Dimensions (L x W x H)	7.09" x 6.94" x 9.65"
Item Weight	8.62 Pounds
Average Life	50,000 Hours

9. Maintenance

Regular maintenance ensures the longevity and optimal performance of your BETOPPER Mini RGBW Stage Light.

- **Cleaning:** Periodically clean the lens and housing with a soft, lint-free cloth. For stubborn dirt, use a mild glass cleaner. Ensure the fixture is unplugged before cleaning.
- **Ventilation:** Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air to clear vents if necessary.
- **Inspection:** Regularly check power cables, DMX cables, and mounting hardware for any signs of wear or damage. Replace damaged components immediately.
- **Storage:** When not in use for extended periods, store the light in a dry, dust-free environment, preferably in its original packaging or a padded case.

10. Troubleshooting

If you encounter issues with your light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not power on	No power supply; Faulty cable; Blown fuse	Check power connection; Test cable; Replace fuse (if applicable and accessible by qualified personnel)
No DMX control	Incorrect DMX address; Faulty DMX cable; Incorrect DMX mode selected	Verify DMX address matches controller; Check DMX cable connections; Ensure light is in DMX mode

Problem	Possible Cause	Solution
Light not responding to remote	Remote battery low/dead; Obstruction between remote and light; Remote sensor blocked	Replace remote battery (CR2025); Ensure clear line of sight; Clean remote sensor on light
Light overheats and shuts off	Blocked ventilation; Excessive ambient temperature	Ensure vents are clear; Operate in a well-ventilated area; Allow cool-down period
Movement is erratic or jerky	Mechanical obstruction; DMX signal interference	Check for physical obstructions; Verify DMX signal integrity; Reset fixture

11. Warranty and Support

BETOPPER products are designed for reliability and performance. For specific warranty details and support inquiries, please refer to the warranty card included with your product or visit the official BETOPPER website. You may also contact BETOPPER customer service through the retailer where you purchased the product.
For additional resources and product information, you can visit theBetopper Store on Amazon.

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