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› ZKYMZL 18-Prism Moving Head DJ Light RYHJ-03 User Manual

ZKYMZL RYHJ-03

ZKYMZL 18-Prism Moving Head DJ Light RYHJ-03 User Manual

Model: RYHJ-03

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation, setup, and maintenance of your ZKYMZL 18-Prism Moving Head DJ Light, Model RYHJ-03. Please read this manual thoroughly before use and retain it for future reference.

SAFETY INFORMATION

- **Electrical Safety:** Ensure the power supply matches the voltage requirements specified on the device. Always disconnect power before cleaning, servicing, or moving the unit.
- **Installation:** Install the unit in a well-ventilated area, away from heat sources and flammable materials. Ensure secure mounting to prevent accidental falls.
- **Operation:** Do not look directly into the light source. Avoid operating the unit in wet or damp conditions. Keep children and unauthorized personnel away from the device.
- **Maintenance:** Refer all servicing to qualified personnel. Do not attempt to repair the unit yourself.

PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- 1 x ZKYMZL 18-Prism Moving Head DJ Light
- 1 x Power Cable
- 1 x U-Bracket
- 1 x User Manual
- 2 x Screws (pre-installed on the bottom of the light)

PRODUCT OVERVIEW

The ZKYMZL 18-Prism Moving Head DJ Light is a versatile stage lighting fixture designed for various events. It features a 120W LED light source, 8 colors, 10 gobos, and an 18-prism effect for dynamic visual displays.



Figure 1: Front view of the ZKYMZL 18-Prism Moving Head DJ Light, showcasing its compact design and powerful lens.

Key Features:

- **18-Prism Effects:** Offers both single-pattern and 18-prism multi-pattern effects for diverse visual experiences.
- **Multiple Control Modes:** Supports Voice Control, Automatic, Master-Slave, and DMX512 (12 channels) operation.
- **Dynamic Movement:** Features 540° horizontal pan and 270° vertical tilt for wide area illumination.
- **Efficient Cooling:** Integrated fan system automatically adjusts based on LED temperature for optimal heat dissipation and extended lifespan.
- **Color and Gobo Variety:** Includes 8 distinct colors and 10 gobo patterns.

8 COLORS+ 10 PATTERNS

It contains a single pattern mode and a 18 prism mode

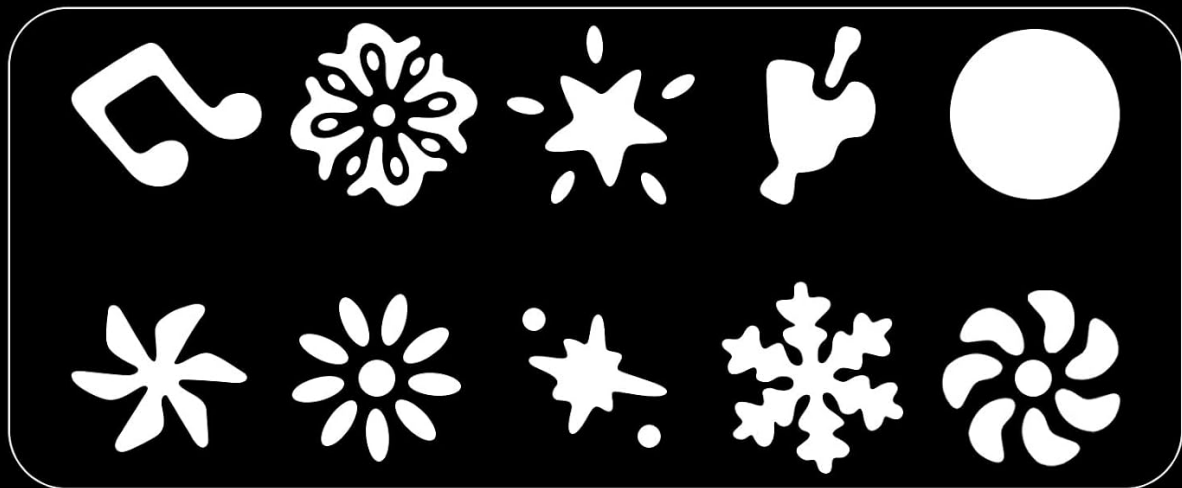
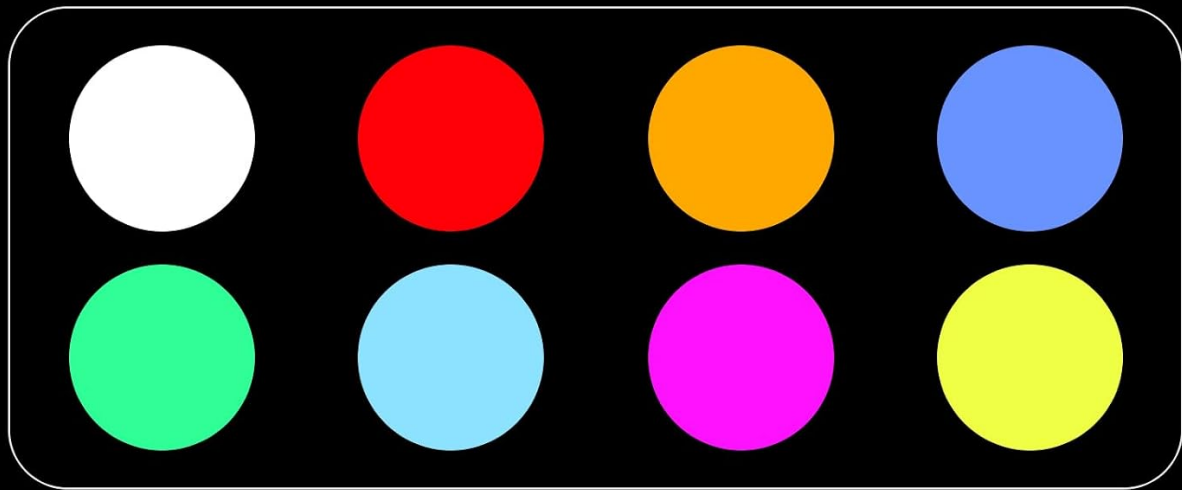


Figure 2: Illustration of the 8 available colors and 10 gobo patterns, including various shapes like stars, snowflakes, and musical notes.

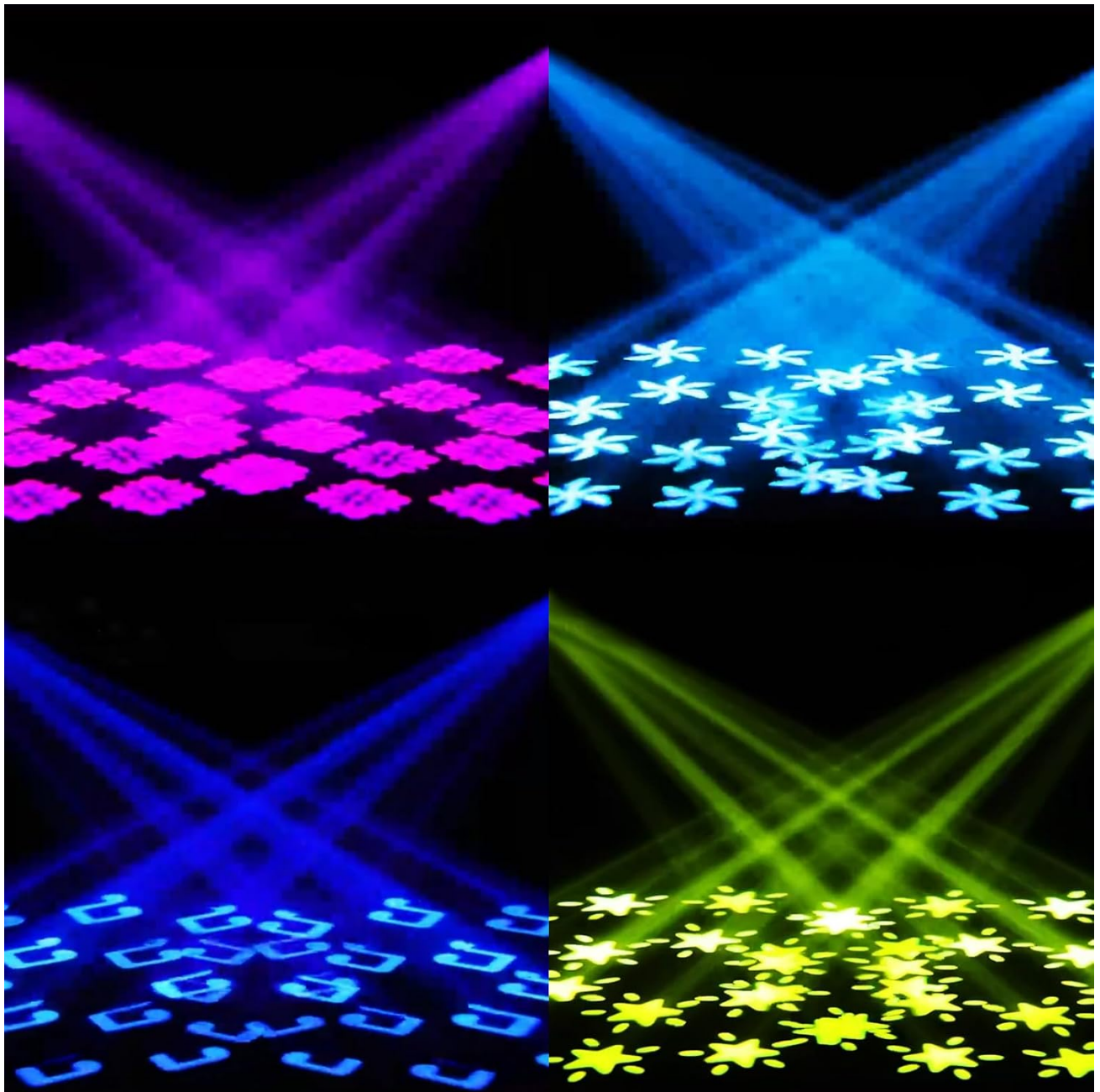


Figure 3: Examples of dynamic light patterns and color combinations projected onto a surface, demonstrating the light's versatility.

Product Video:



Video 1: An overview of the ZKYMZL 18-Prism Moving Head DJ Light, demonstrating its features, movement capabilities, and various light effects.

SETUP

Mounting the Light:

The moving head light can be installed on a truss or wall using the provided U-bracket and screws. Ensure the mounting surface is stable and capable of supporting the weight of the fixture.

1. Attach the U-bracket to the bottom of the light using the pre-installed screws.
2. Securely fasten the U-bracket to your desired mounting location (truss, wall, etc.).
3. Ensure the fixture is stable and cannot vibrate loose during operation.

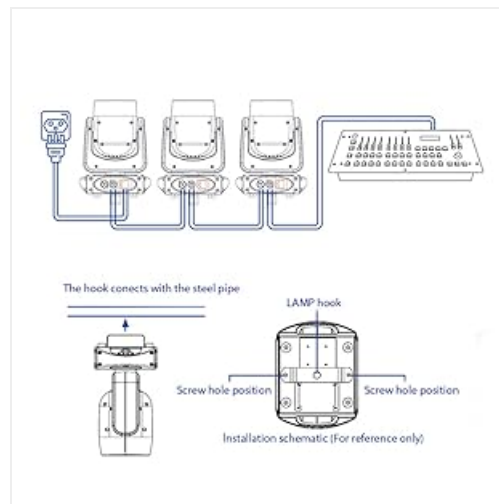


Figure 4: Diagram illustrating how to connect the U-bracket to the light and secure it to a truss or pipe. Note the screw hole positions for proper attachment.

Connecting Power and DMX:

Connect the provided power cable to the power input on the rear of the unit. For DMX control, connect DMX cables from your controller to the DMX IN port, and then from DMX OUT to the next fixture in the chain.

THE MOST COST-EFFECTIVE MINI PRISMATIC DJ LIGHT

That rivals 230W beams. LEDs are more energy
efficient than light bulbs.



Figure 5: Rear view of the light, highlighting the power input, DMX IN, and DMX OUT ports for connectivity.

OPERATING MODES

The ZKYMZL Moving Head DJ Light offers several operating modes, selectable via the onboard display and buttons (MENU, UP, DOWN, ENTER) or an external DMX controller.

1. DMX512 Control Mode:

This mode allows for precise control over all functions using a DMX controller. The fixture utilizes 12 DMX channels. Connect your DMX controller to the DMX IN port. The light will automatically detect the DMX signal and switch to DMX mode without needing to set D001.

- **Channel Functions:** Refer to the DMX channel chart in the included user manual for specific control parameters (e.g., pan, tilt, color, gobo, strobe, dimming).
- **Dimming:** 0-100% electronic dimming is available.
- **Strobe:** Variable electronic strobe effects.

2. Automatic Mode:

The light will cycle through pre-programmed sequences of colors, gobos, and movements. This mode is suitable for continuous background effects.

3. Sound-Activated Mode:

The light reacts to ambient sound or music, changing patterns and movements in sync with the audio. Sensitivity can be adjusted via the onboard menu.

4. Master-Slave Mode:

Connect multiple fixtures using DMX cables. Designate one unit as the "Master" and others as "Slaves." The slave units will mirror the master's movements and effects, creating synchronized displays. The system automatically links and identifies the master once the signal line is connected.

MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the fixture with a soft, dry cloth. For optics, use a lens cleaning solution and a microfiber cloth to avoid scratches. Ensure the unit is powered off and unplugged before cleaning.
- **Cooling System:** The internal fan automatically regulates temperature. Ensure vents are clear of obstructions to maintain proper airflow.
- **Inspection:** Periodically check all cables and connections for wear or damage. Ensure mounting hardware remains secure.



Figure 6: Close-up view of the light's lens, emphasizing the importance of keeping it clean for optimal light output.



Figure 7: Rear view of the light, showing the cooling vents. Ensure these are not blocked to prevent overheating.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power / Unit does not turn on.	Power cable not connected or faulty; no power from outlet.	Check power cable connection. Verify power outlet is functional.
Light output is dim or unclear.	Dirty lens or internal optics.	Clean the external lens. If internal optics are affected, contact customer support.
DMX control not working.	Incorrect DMX cable connection; DMX controller issue; incorrect DMX address.	Ensure DMX cables are correctly connected (IN to OUT). Verify DMX controller is functioning. Check the DMX address setting on the light.
Sound-activated mode is unresponsive or too sensitive.	Microphone sensitivity setting needs adjustment; insufficient sound input.	Adjust the sensitivity setting via the onboard menu. Ensure adequate sound is present for the microphone to detect.
Unit overheats.	Blocked ventilation; prolonged operation in high ambient temperatures.	Ensure all ventilation openings are clear. Operate in a well-ventilated area.

SPECIFICATIONS

Feature	Specification
Brand	ZKYMZL
Model Number	RYHJ-03
Light Source Type	Light Emitting Diode (LED)
Wattage	120 Watts
Brightness	2400 Lux
Colors	8 Colors
Gobos	10 Patterns
Prism Effect	18-Prism
DMX Channels	12 Channels
Pan Movement	540°
Tilt Movement	270°
Beam Angle	40 Degrees
Material	Iron, Plastic, Acrylic (Shade)

Feature	Specification
Color	Black
Product Dimensions	12"L x 10"W x 9"H
Item Weight	6.82 pounds (approx. 3.1 kg)
Power Source	Corded Electric
UPC	742440433160

WARRANTY AND SUPPORT

ZKYMZL provides 365-day customer service support for this product. If you encounter any issues or have questions, please contact our after-sales support team. We aim to respond within 24 hours and assist in resolving any concerns.

For service inquiries, please refer to the contact information provided on the product packaging or the official ZKYMZL website.