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› SHEHDS LED 120W RGBW Wash Moving Head Light User Manual

SHEHDS stage light 0224-C

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Model: stage light 0224-C

1. PRODUCT OVERVIEW

The SHEHDS LED 120W RGBW Wash Moving Head Light is a versatile stage lighting fixture designed for various events. It features a powerful 120W RGBW quad-color LED source, offering smooth color mixing and dynamic effects. The unit includes a linear CTO channel for precise color temperature adjustment and a Fresnel optical lens for soft, even light output. Multiple control modes, including DMX, sound-activated, and automatic, provide flexibility for lighting designers.



Figure 1.1: Front and rear view of the SHEHDS 120W RGBW Wash Moving Head Light, illustrating its color capabilities.

Key Features:

- **120W RGBW Quad-Color LED Source:** Delivers clear, powerful light with smooth color mixing and rainbow effects.
- **Dynamic Color Transitions & Music Sync:** Supports gradual fades or rapid switches, with sound-activated control for music synchronization.
- **Linear CTO Control with CRI >90:** Allows precise color temperature adjustment (2800-6500K) and accurate rendering of natural tones.
- **Soft Optical Output with Fresnel Lens:** Equipped with a water-ripple Fresnel lens for clean, soft, and evenly blended light.
- **High-Quality Copper-Base LED:** Ensures stable performance, high heat resistance, and anti-oxidation properties.

2. SAFETY INSTRUCTIONS

Read all safety instructions carefully before installation, operation, or maintenance. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- This device is for indoor use only. Do not expose to rain or moisture.
- Ensure the power supply voltage matches the rating on the device.
- Always connect the device to a grounded circuit to avoid electrical shock.
- Disconnect from power before any service, cleaning, or maintenance.
- Do not operate the device if the power cord is damaged.
- Ensure adequate ventilation around the unit to prevent overheating. Maintain a minimum distance of 0.5 meters from walls or other objects.
- Avoid direct eye exposure to the light source.
- Mount the device securely using appropriate clamps and safety cables.
- Do not attempt to repair the device yourself. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, contact your retailer immediately.

- SHEHDS LED 120W RGBW Wash Moving Head Light (Main Unit)
- 1.2M DMX Cable x 1
- 1.2M Power Cable x 1
- User Manual x 1
- Quick Lock Bracket x 1

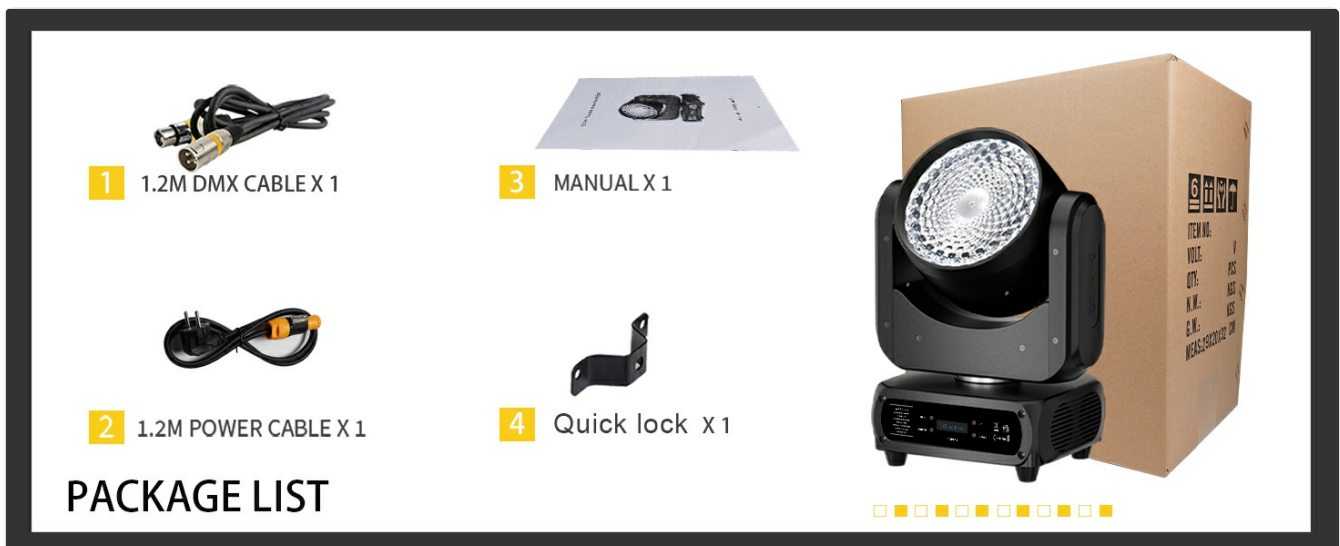


Figure 3.1: Illustration of the items included in the product package.

4. SETUP AND INSTALLATION

4.1 Physical Installation

The moving head light can be mounted in various positions (e.g., truss, floor) using the provided quick lock bracket. Ensure the mounting surface or truss is capable of supporting the weight of the fixture.

- Attach the quick lock bracket securely to the bottom of the fixture.

- Mount the fixture to a truss or place it on a stable, level surface.
- Always use a safety cable (not included) when mounting the fixture overhead.

4.2 Connections

Connect the power and DMX cables as follows:

- **Power Connection:** Use the provided power cable to connect the fixture to a suitable power outlet.
- **DMX Connection:** For DMX control, connect a DMX controller to the DMX IN port using a 3-pin DMX cable. If linking multiple fixtures, connect the DMX OUT of the first fixture to the DMX IN of the next.

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Video 4.1: This video demonstrates the DMX IN/OUT, Power IN/OUT, and Fuse connections on the SHEHDS 120W RGBW Wash Moving Head Light.

4.3 Initial Power-On and DMX Address Setting

After connecting power, the unit will power on. Use the control panel to set the DMX address.

- Navigate the menu using the 'MENU', 'UP', 'DOWN', and 'ENTER' buttons.
- Locate the DMX address setting option.
- Set the desired DMX address.
- Press 'ENTER' or 'OK' to confirm the setting. The DMX address will be preserved even after power cycling.



Figure 4.1: The control panel displaying various functions and monitoring options.

5. OPERATING MODES

The SHEHDS 120W RGBW Wash Moving Head Light offers several operating modes to suit different applications.

5.1 DMX Control Mode

This mode allows professional control over all functions using a DMX512 controller. Refer to the DMX channel chart (typically found in the full manual) for specific channel assignments and values.

5.2 Sound-Activated Mode

In this mode, the fixture reacts to ambient sound, synchronizing light changes and movements with music beats. This mode is ideal for dynamic performances without a dedicated DMX controller.

5.3 Automatic Mode

The fixture runs through pre-programmed light shows and patterns automatically. This mode is suitable for quick setup and continuous operation without external input.

5.4 Manual Control

Basic functions can be controlled directly from the unit's display panel. This includes selecting modes, setting DMX addresses, and adjusting certain parameters.



Figure 5.1: Overview of the multiple control modes available for the fixture.

5.5 Color Mixing and CTO Effect

The RGBW LEDs allow for a wide spectrum of colors. The linear CTO channel provides color temperature adjustment from 2800K (warm white) to 6500K (cool white), enabling precise environmental lighting.



Figure 5.2: Example of RGBW 4-in-1 color mixing capabilities.

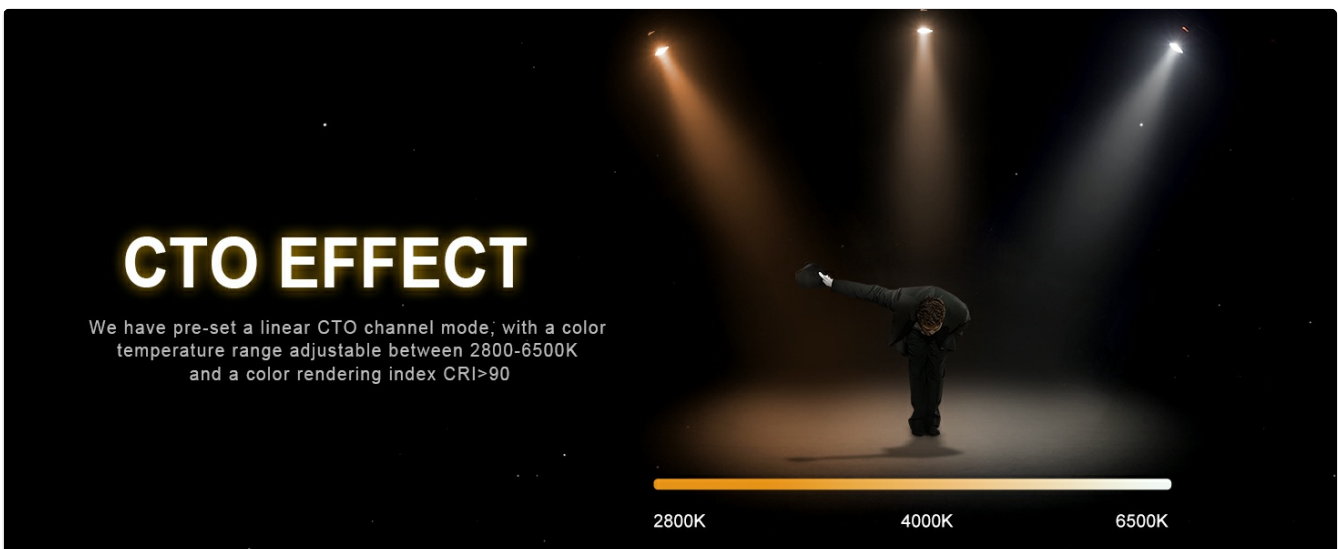


Figure 5.3: Visual representation of the CTO effect, showing adjustable color temperature.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your SHEHDS Moving Head Light. Always disconnect power before performing any maintenance.

6.1 Cleaning

- Clean the exterior casing with a soft, dry cloth.
- Periodically clean the optical lens with a soft, lint-free cloth and a mild glass cleaner to maintain light output clarity.
- Ensure ventilation openings are free from dust and debris. Use compressed air if necessary.

6.2 Storage

When not in use, store the fixture in a dry, dust-free environment, preferably in its original packaging or a protective case.

6.3 Fuse Replacement

If the unit does not power on, check the fuse located near the power input. Replace it with a fuse of the same type

and rating.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact customer support.

| Problem | Possible Cause | Solution |
|--------------------------------|--|--|
| Fixture does not power on. | No power supply; Blown fuse; Damaged power cable. | Check power connection; Replace fuse; Replace power cable. |
| No light output. | Fixture in blackout mode; DMX signal issue; Internal fault. | Check DMX settings; Verify DMX cable connection; Contact support. |
| Fixture not responding to DMX. | Incorrect DMX address; Faulty DMX cable; DMX controller issue. | Verify DMX address; Test DMX cable; Check DMX controller. |
| Overheating. | Blocked ventilation; High ambient temperature. | Ensure clear airflow around the unit; Operate in a cooler environment. |

8. SPECIFICATIONS

Detailed technical specifications for the SHEHDS LED 120W RGBW Wash Moving Head Light.

| Feature | Detail |
|-----------------------------|--|
| Model Number | stage light 0224-C |
| Brand | SHEHDS |
| Light Source Type | LED (Light Emitting Diode) |
| Light Source Wattage | 120 Watts |
| Color | Black |
| Material | Plastic |
| Power Source | Corded Electric |
| Special Features | Color-changing, Music Sync, CTO Control |
| Item Dimensions (L x W x H) | 5.91"L x 10.24"W x 8.27"H (15cm x 26cm x 21cm) |
| Smart Home Compatibility | Not Smart Home Compatible |
| Manufacturer | SHEHDS |



Figure 8.1: Product dimensions for the SHEHDS 120W RGBW Wash Moving Head Light.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This product comes with a **1-year manufacturer's warranty** from the date of purchase. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your SHEHDS LED 120W RGBW Wash Moving Head Light, please contact the seller or manufacturer directly. Refer to your purchase documentation for contact details.