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SEBRUANC ZQ02253X4US

SEBRUANC LED Moving Head Light

Model: ZQ02253X4US

Instruction Manual

1. Introduction

This manual provides essential information for the safe and effective operation of your SEBRUANC LED Moving Head Light. Please read these instructions thoroughly before installation and use. This professional stage lighting fixture features 19 RGBW 4-in-1 LEDs, offering beam, wash, and zoom effects. It supports multiple control modes and is designed for various event environments.

Figure 1.1: Four SEBRUANC LED Moving Head Lights in operation.

2. What's in the Box

Verify that all components are present upon unpacking:

- Moving Head Par Light (Quantity: 4 for 4PC variant)
- Power Cable
- DMX Cable
- Mounting Brackets (2 quick-release brackets per light)
- User Manual

3. Setup

3.1 Physical Installation

The moving head light can be placed on a flat surface or mounted using the provided quick-release brackets. Ensure the mounting surface or truss is capable of supporting the fixture's weight (approximately 17.5 lbs per unit). The unique swivel head design allows for 270° rotation on the Y-axis and 540° on the X-axis, providing flexible positioning.

Figure 3.1: Product dimensions and rotational axes.

3.2 Power Connection

Connect the provided power cable to the 'POWER IN' port on the rear of the fixture. The fixture also includes a 'POWER OUT' port, allowing multiple units to be daisy-chained for power. Ensure the power switch is in the 'OFF' position before connecting to a power source.

3.3 DMX Connection

For DMX control, connect a DMX controller to the 'DMX IN' port using the provided DMX cable. Multiple fixtures can be linked by connecting the 'DMX OUT' of one fixture to the 'DMX IN' of the next. The fixture supports 16, 24, or 32 DMX channels.

Figure 3.2: Rear panel connections for DMX and power.

4. Operating Modes

4.1 Control Panel Overview

The front panel features an LCD display and navigation buttons (MENU, UP, DOWN, ENTER) to select and configure operating modes and settings.

Figure 4.1: LCD Display Main Menu.

Figure 4.2: Control Buttons.

4.2 Available Modes

- **Static Color Mode:** Select a single, continuous color output.
- **Strobe Mode:** Produces a flashing light effect.
- **Automatic Mode:** Cycles through pre-programmed light sequences and movements.
- **Sound Activated Mode:** Lights respond to ambient sound or music.
- **Master-Slave Mode:** Multiple fixtures synchronize their effects, with one acting as the master controller.
- **DMX Mode:** Provides precise control over all light functions (color, movement, zoom, strobe) via an external DMX controller.
- **Gradient Mode:** Smooth transitions between colors.

4.3 Zoom Function

The fixture features a zoom function with a range of 7° to 60°. This allows for both wide wash effects to cover large areas and narrow beam effects for focused illumination.

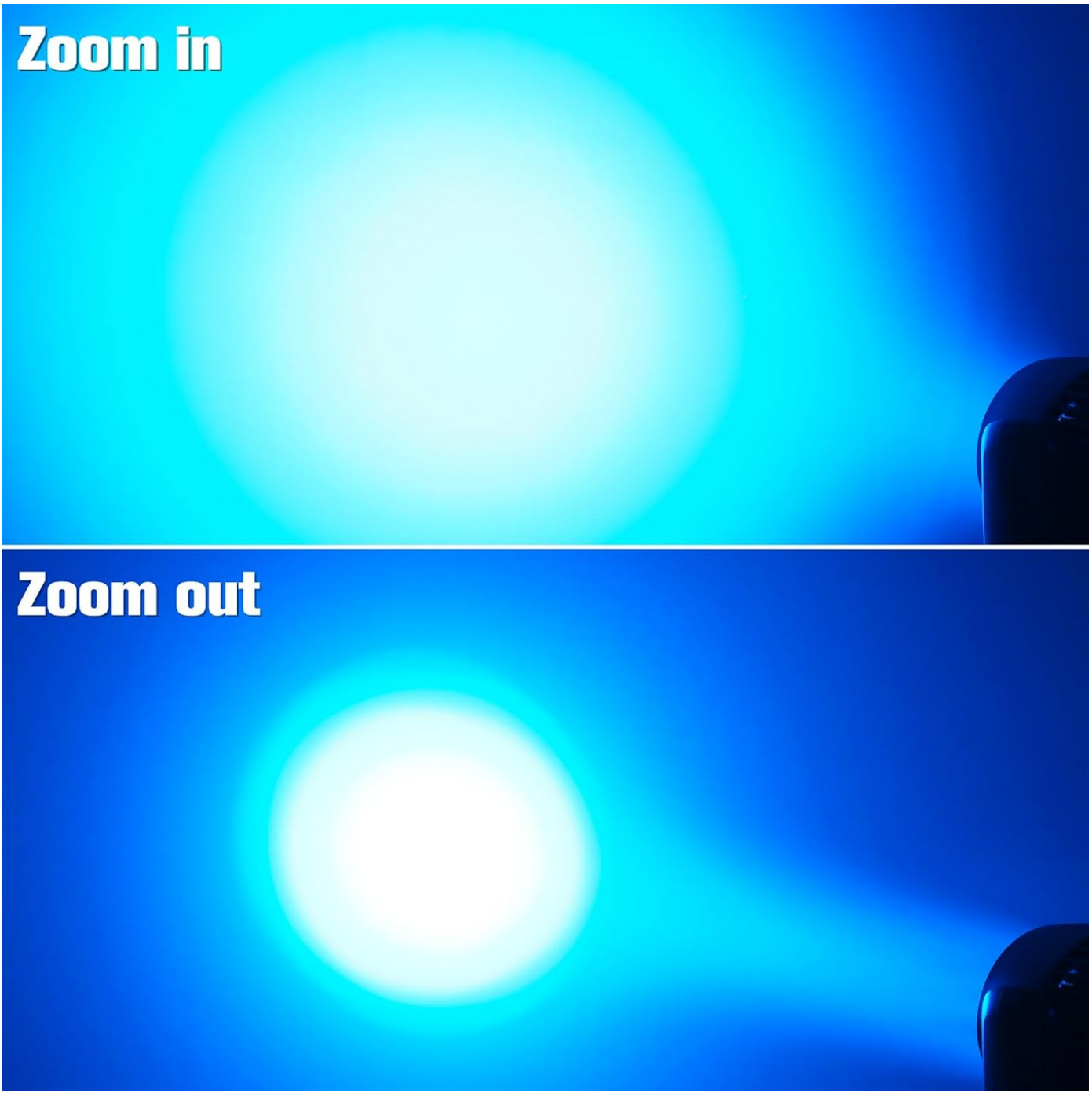

Figure 4.3: Zoom In/Out effect demonstration.

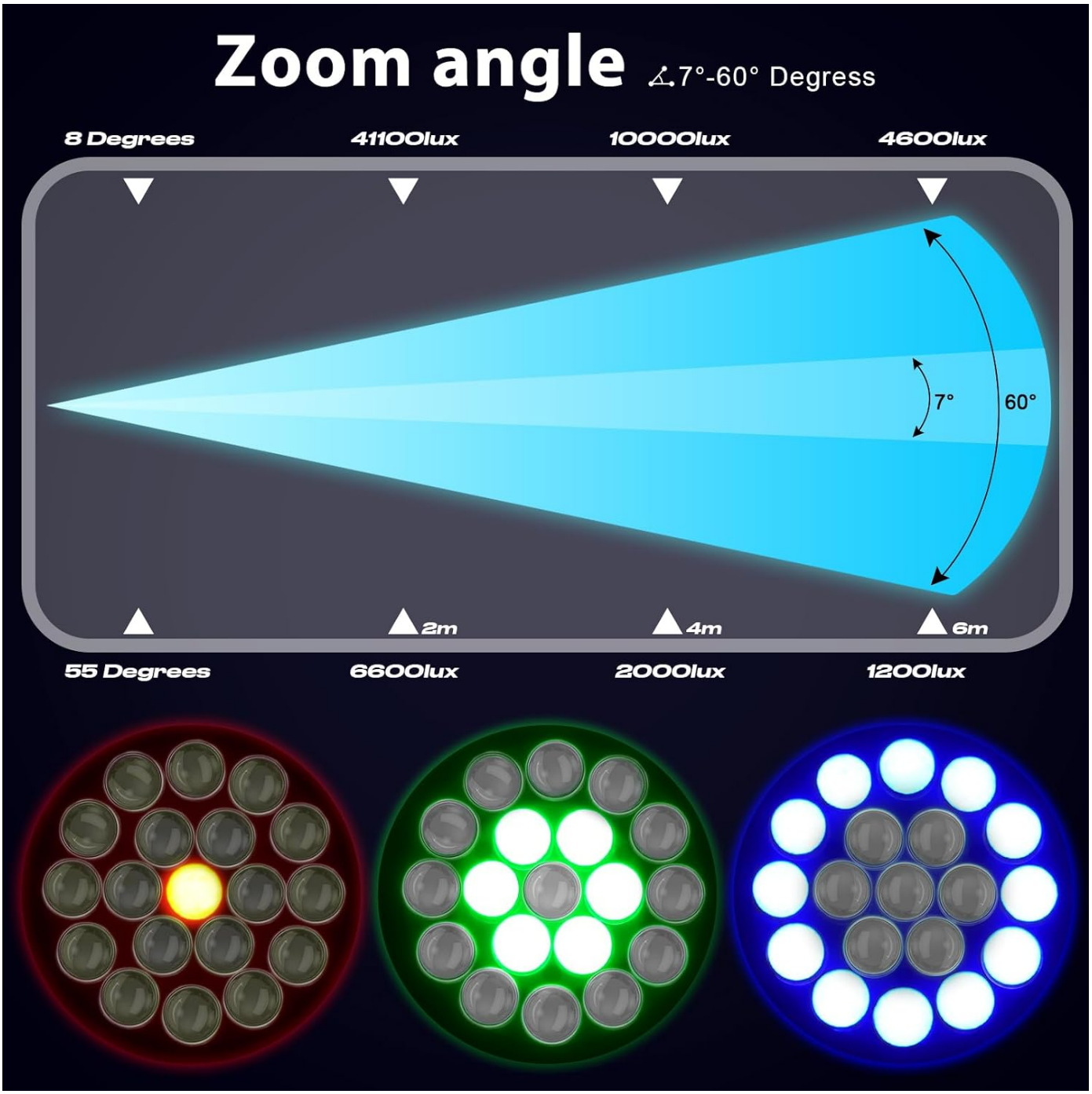

Figure 4.4: Zoom angle and light intensity.

4.4 Color Mixing

Equipped with 19 RGBW 4-in-1 LEDs, the light can mix to produce a wide spectrum of colors. This allows for dynamic and vibrant lighting effects.

Figure 4.5: Examples of color mixing capabilities.

5. Features and Capabilities

The SEBRUANC LED Moving Head Light is designed for versatility and performance. Its compact size (18.3"L x 10.6"W x 14.6"H) and relatively light weight (17.5 lbs) make it easy to transport and set up. The robust aluminum construction ensures durability, while the advanced heat dissipation system with a high-power fan maintains optimal operating temperatures, extending the lifespan of the LEDs.

Figure 5.1: Advanced heat dissipation system.

The 19 high-quality LED lamp beads provide ultra-high brightness and stable performance. The optical lens with a 15-degree lens angle enhances the beam's clarity and impact.

Figure 5.2: Internal LED and optical lens design.

5.1 Official Product Videos

Video 5.1: Demonstration of HOLDLAMP 19x15W Zoom Moving Head Lights by Jingqian-US. This video showcases the light's movement, color changes, and zoom capabilities in a dynamic setting.

Video 5.2: Moving Head Light LED Beam Wash 19x15W RGBW Zoom by SHEHDS Lighting. This video highlights the beam, wash, and zoom effects, along with various color combinations and movement patterns.

Video 5.3: Splendid 19LEDs moving head lights by Jingqian-US. This video provides a comprehensive look at the light's performance, including its pan/tilt movements and diverse lighting effects.

6. Specifications

Attribute	Detail
Model Number	ZQ02253X4US

Brand	SEBRUANC
Light Source Type	LED (19 RGBW 4in1)
Light Source Wattage	285 Watts
Maximum Compatible Light Source Wattage	285 Watts
Voltage	240 Volts
Zoom Angle	7° - 60°
Pan Rotation (X-axis)	540°
Tilt Rotation (Y-axis)	270°
Control Modes	Static Color, Strobe, Automatic, Voice Control, Master-Slave, DMX, Gradient Mode
DMX Channels	16CH/24CH/32CH
Material	Aluminum
Product Dimensions	18.3"L x 10.6"W x 14.6"H
Item Weight	Approx. 17.5 lbs

7. Maintenance

Regular cleaning and inspection are crucial for maintaining the performance and longevity of your moving head light. Ensure the device is unplugged before any maintenance.

- **Cleaning:** Use a soft, lint-free cloth to wipe the exterior and lenses. Avoid abrasive cleaners.
- **Fan Inspection:** Periodically check the cooling fan for dust accumulation and ensure it operates freely. Clean as necessary to prevent overheating.
- **Cable Check:** Inspect all power and DMX cables for any signs of wear or damage. Replace damaged cables immediately.

8. Troubleshooting

- **No Power:** Ensure the power cable is securely connected to both the fixture and the power source, and the power switch is 'ON'. Check the fuse on the rear panel.
- **No DMX Control:** Verify DMX cable connections. Ensure the DMX address is correctly set on the fixture and matches your controller settings.
- **Movement Issues:** If the head movement is erratic, check for any obstructions. Perform a reset via the LCD menu.
- **Overheating:** Ensure the fan is not obstructed and the fixture has adequate ventilation.

9. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official SEBRUANC website. Please have your model number (ZQ02253X4US) and purchase date available when contacting support.

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