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› U`King ZQ02040 Moving Head LED Stage Light Instruction Manual

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Model: ZQ02040

1. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- This product is for indoor use only. Do not expose to rain or moisture.
- Ensure the power supply voltage matches the product's requirements (AC 100-240V, 50/60Hz).
- Always disconnect from power before cleaning, servicing, or installing.
- 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.
- Ensure proper ventilation around the unit to prevent overheating. Do not block ventilation openings.
- Mount the fixture securely using appropriate clamps and safety cables.

2. PACKAGE CONTENTS

Verify that all items are present and in good condition upon unpacking:

- U`King Moving Head LED Stage Light (ZQ02040)
- Power Cable
- Mounting Bracket
- Screws for Mounting
- User Manual

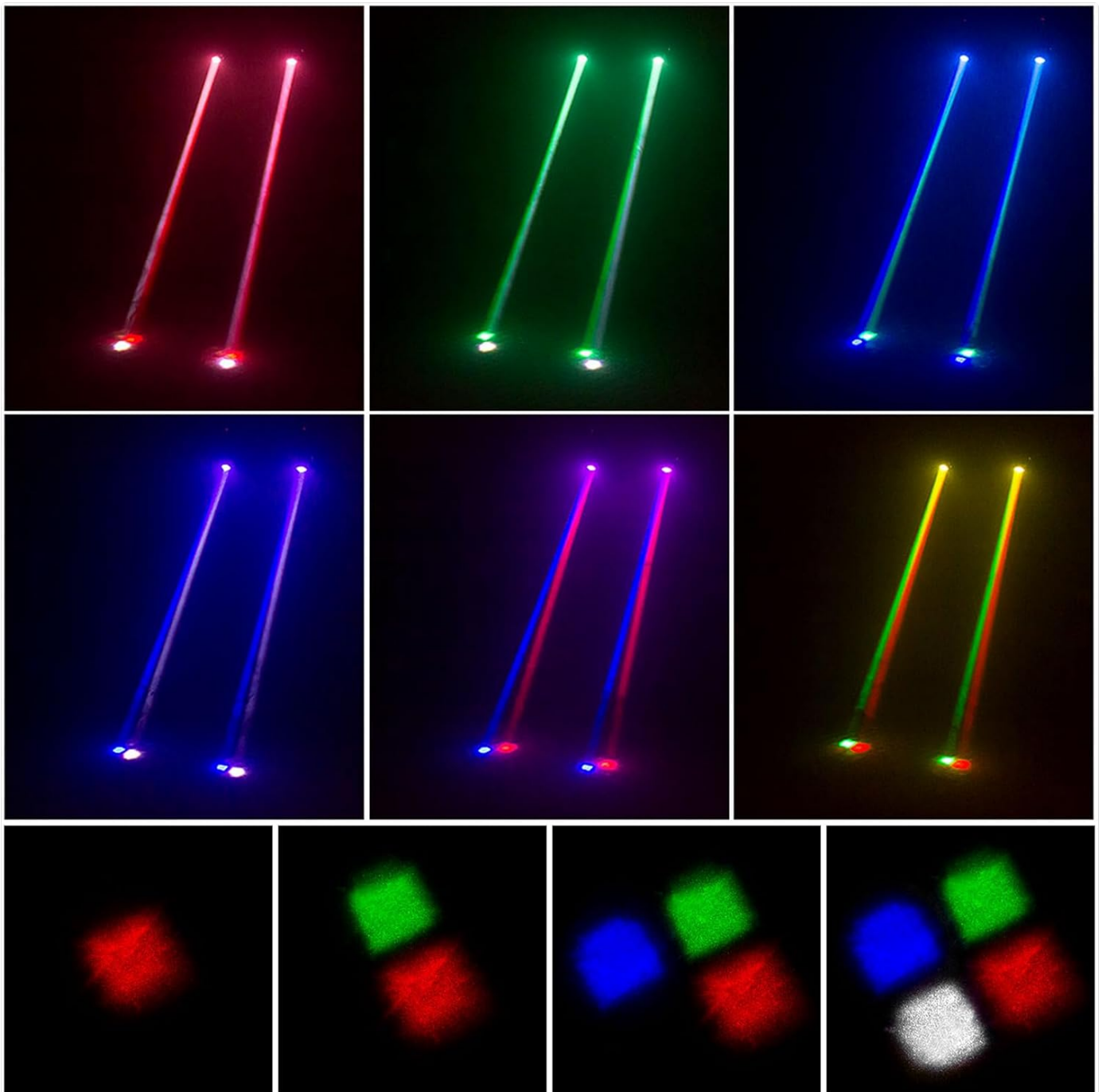


Image: The U'King Moving Head LED Stage Light shown with its power cable, mounting bracket, and user manual.

3. PRODUCT OVERVIEW

The U'King ZQ02040 is a compact moving head LED stage light designed for various lighting applications. It features RGBW (4-in-1) color mixing, multiple control modes, and precise movement capabilities.



Image: Several U'King Moving Head LED Stage Lights projecting colorful beams in a dynamic display.

Key Features:

- **RGBW (4-in-1 Color) Lighting Effect:** Utilizes bright LED lamp beads for mixed color effects with a 1-degree beam angle.
- **Multiple Control Modes:** Supports Auto, Sound Activated, Master-Slave, and DMX-512 modes.
- **Built-in Functions:** Includes program dimming (0-100%), strobe speed control, and RGBW color changes.
- **LCD Display:** Features a 4-button LCD for easy access to built-in functions.
- **Daisy Chain Connection:** 3-pin DMX connection for linking multiple units.
- **Precise Movement:** Offers 540° pan and 270° tilt movement for dynamic lighting.



Image: An exploded diagram illustrating the internal components of the moving head light, including the 4 individual beam chips.

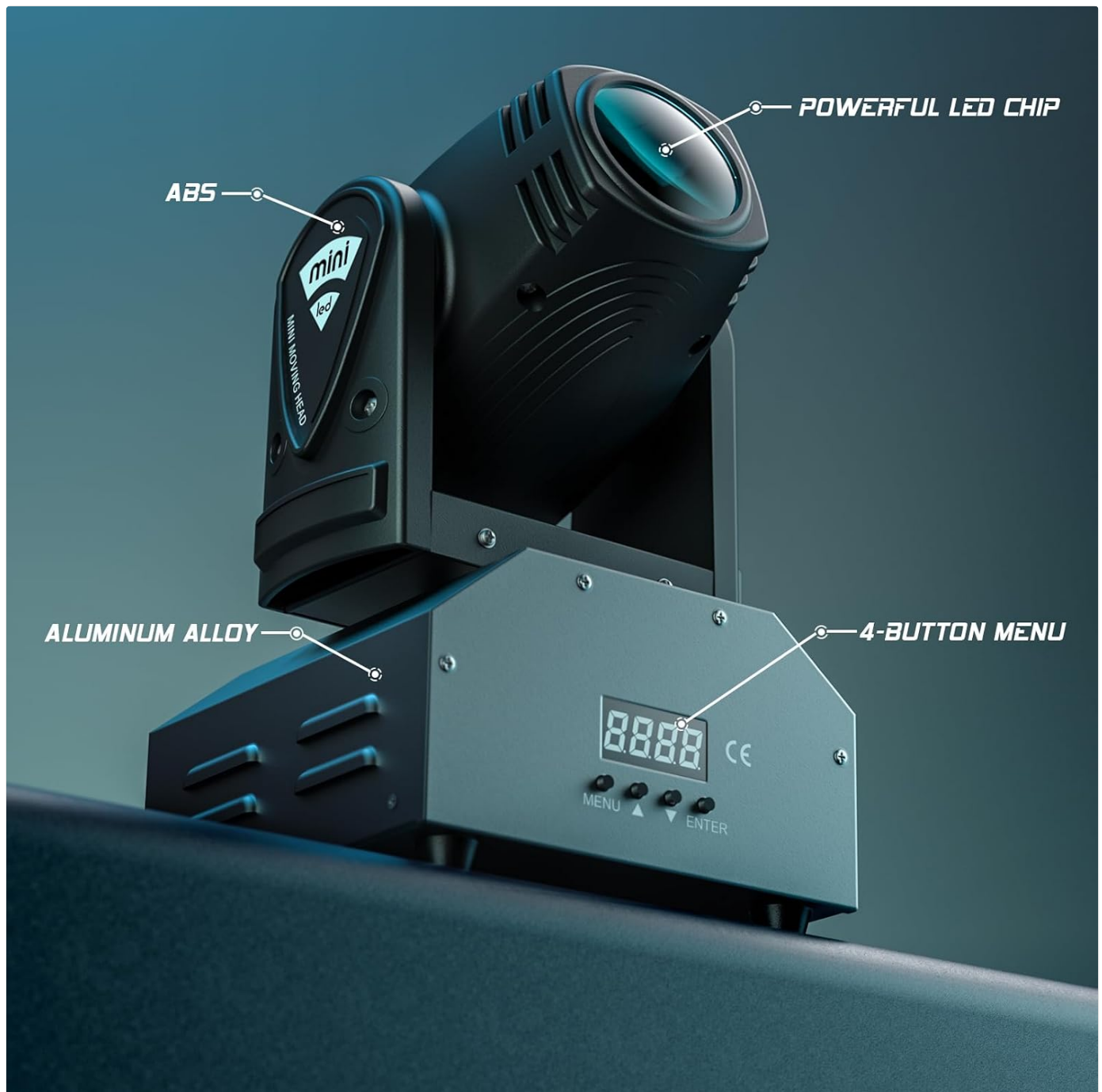


Image: A close-up view of the light highlighting its ABS casing, aluminum alloy base, powerful LED chip, and 4-button menu interface.

4. SETUP

Follow these steps to set up your U'King Moving Head LED Stage Light:

1. **Unpacking:** Carefully remove the light and all accessories from the packaging. Inspect for any damage.
2. **Mounting:** Use the provided mounting bracket and screws to securely attach the light to a truss, ceiling, or other stable surface. Ensure the mounting point can support the weight of the fixture.
3. **Power Connection:** Connect the power cable to the unit's power input and then to a suitable power outlet (AC 100-240V, 50/60Hz).
4. **DMX Connection (Optional):** If using DMX control, connect a 3-pin DMX cable from your DMX controller to the DMX IN port of the first fixture. For daisy-chaining multiple fixtures, connect a DMX cable from the DMX OUT of the first fixture to the DMX IN of the next, and so on.

5. OPERATING MODES

The U`King Moving Head LED Stage Light offers several operating modes:

- **Auto Mode:** The fixture runs through pre-programmed light sequences automatically.
- **Sound Activated Mode:** The light reacts to ambient sound or music, changing patterns and colors in sync with the beat.
- **Master-Slave Mode:** Link multiple fixtures together. One unit acts as the master, controlling all other slave units to perform synchronized light shows.
- **DMX-512 Mode:** Provides professional control over all functions (color, dimming, strobe, pan, tilt) using an external DMX controller.

Video: Demonstration of the U`King Moving Head Stage Light's various color and movement effects in a dark environment.

Video: A dynamic display of multiple U`King Moving Head Stage Lights showcasing synchronized color changes and beam movements.

6. DMX CONTROL

The fixture supports DMX-512 protocol with 11 or 13 DMX channels. Refer to the DMX channel chart below for detailed control parameters. The LCD display with 4 buttons allows for setting the DMX address and selecting channel modes.



Image: The moving head light illustrating its 540° pan and 270° tilt rotation capabilities.



Image: A detailed view of the light's HD-LCD display, control buttons, and efficient cooling fan.

DMX Channel Chart (Example - consult product for full chart):

Channel	Function	Value Range
1	Pan Movement	0-255
2	Tilt Movement	0-255
3	Red Dimmer	0-255
4	Green Dimmer	0-255
5	Blue Dimmer	0-255
6	White Dimmer	0-255

Channel	Function	Value Range
7	Strobe	0-255

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your fixture:

- **Cleaning:** Periodically clean the lens and exterior housing with a soft, lint-free cloth. Do not use abrasive cleaners.
- **Ventilation:** Ensure ventilation openings are clear of dust and debris. Use compressed air to clean if necessary.
- **Inspection:** Regularly check power and DMX cables for damage. Ensure all mounting hardware is secure.

8. TROUBLESHOOTING

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

- **No Power:**
 - Check if the power cable is securely connected to both the fixture and the power outlet.
 - Verify the power outlet is functional.
 - Ensure the power switch on the unit is in the 'ON' position.
- **Light Not Responding to DMX:**
 - Check DMX cable connections. Ensure they are 3-pin DMX cables, not standard microphone cables.
 - Verify the DMX address on the fixture matches the address set on your controller.
 - Ensure the DMX controller is sending a signal.
 - Try a different DMX cable.
- **Jerky Movement or Incorrect Calibration:**
 - Power cycle the unit (turn off, wait 10 seconds, turn on) to allow it to re-calibrate.
 - Ensure the fixture is mounted on a stable surface and not obstructed.
 - In DMX mode, check if pan/tilt channels are receiving stable values.
- **No Light Output:**
 - Check dimmer settings in the selected operating mode (Auto, Sound, DMX).
 - Ensure the fixture is not in 'Blackout' mode.

9. SPECIFICATIONS

Feature	Detail
Model Number	ZQ02040
Light Source Type	LED (RGBW 4-in-1)

Feature	Detail
Light Source Wattage	25 Watts
Brightness	1130 lux
Beam Angle	1 Degrees
Control Modes	Auto, Sound Activated, Master-Slave, DMX-512
DMX Channels	11/13 CH
Pan Movement	540°
Tilt Movement	270°
Dimming	0-100% Smooth Dimming
Strobe	Variable Strobe Speed
Material	Plastic
Product Dimensions	6.3"L x 6.3"W x 8.7"H
Power Source	Corded Electric



Image: Examples of the light's beam effects, showcasing individual colors (red, green, blue) and mixed colors, along with the square beam pattern.

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Image: The light projecting distinct beams, highlighting its 1-degree beam angle and the ability to display individual and mixed RGBW colors.

10. WARRANTY AND SUPPORT

U'King products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official U'King website. Keep your purchase receipt as proof of purchase for any warranty claims.

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