

## U`King ZQ02006X4

# U`King 50W LED Moving Head Light (Model ZQ02006X4) Instruction Manual

Your guide to setting up and operating your professional stage lighting.

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## 1. SAFETY INSTRUCTIONS

Please read these safety instructions carefully before installing, operating, or maintaining the U`King 50W LED Moving Head Light. Keep this manual for future reference.

- **Electrical Safety:** Ensure the power supply voltage matches the device's requirements (240V AC). Always connect to a grounded outlet. Disconnect power before any service or maintenance.
- **Heat Management:** The fixture generates heat. Ensure adequate ventilation and do not block cooling vents. Maintain a minimum distance of 0.5 meters from flammable materials.
- **Mounting:** Securely mount the fixture using appropriate clamps and safety cables. Ensure the mounting surface can support the weight of the fixture. Avoid mounting in areas with excessive vibration.
- **Eye Safety:** Do not look directly into the LED light source when the fixture is operating, as it can cause eye damage.
- **Environmental Conditions:** This fixture is designed for indoor use only. Do not expose to rain, moisture, or extreme temperatures.
- **Qualified Personnel:** Installation and service should only be performed by qualified personnel.

## 2. WHAT'S IN THE BOX

Upon unpacking, verify that all components are present and undamaged. If any items are missing or damaged, contact your retailer immediately.

- U`King 50W LED Moving Head Light (x8 for this package)
- Power Cable

- DMX Cable (optional, may vary by package)
- Mounting Bracket (x8)
- Instruction Manual (this document)

## 3. SETUP AND INSTALLATION

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### 3.1 Physical Installation

The U`King 50W LED Moving Head Light can be mounted in various orientations (ceiling, truss, or floor). Always ensure secure mounting.

1. **Choose a Location:** Select a stable location with adequate ventilation and away from heat sources or flammable materials.
2. **Secure Mounting:** Use the provided mounting bracket to attach the fixture to a truss or ceiling. Always use a safety cable (not included) as a secondary attachment to prevent accidental drops. For floor placement, ensure the unit is on a stable, level surface.
3. **Power Connection:** Connect the power cable to the fixture's power input and then to a grounded electrical outlet (240V AC).

# HIGH HEAT DISSIPATION PERFORMANCE



Figure 1: Rear panel with power connector and DMX ports. This image illustrates the location of the power input and DMX input/output connectors on the back of the moving head light, along with a heat dissipation fan.

## 3.2 DMX Connection (Optional)

For advanced control, connect the fixture to a DMX controller using 3-pin DMX cables.

1. Connect the DMX output of your controller to the DMX IN port of the first fixture.
2. For multiple fixtures, daisy-chain them by connecting the DMX OUT of the first fixture to the DMX IN of the next, and so on.
3. Set the DMX address for each fixture using the onboard LCD menu. Refer to the DMX Channel Chart in Section 4.2 for details.

## 4. OPERATION MODES

The U'King 50W LED Moving Head Light offers several operational modes, including DMX-512, Sound Activated, Auto,

and Master-Slave.

## 4.1 Control Panel Overview

The fixture features a 4-button LCD menu for navigation and settings adjustment.



Figure 2: Front view highlighting the rotating gobo wheel and color wheel. This image shows the main lens and the internal mechanisms for the gobo and color wheels, which allow for diverse light patterns and colors.

- **MENU:** Accesses the main menu or exits the current setting.
- **UP:** Navigates up through menu options or increases parameter values.
- **DOWN:** Navigates down through menu options or decreases parameter values.
- **ENTER:** Confirms selection or enters a submenu.

## 4.2 DMX-512 Mode

This mode provides precise control over all fixture functions via an external DMX controller. The fixture supports 9 and 11 DMX channel modes.

**DMX Channel Chart (Example for 11-Channel Mode):**

| Channel | Function      | Value Range | Description                                                     |
|---------|---------------|-------------|-----------------------------------------------------------------|
| 1       | Pan           | 0-255       | Horizontal movement (0-540 degrees)                             |
| 2       | Tilt          | 0-255       | Vertical movement (0-270 degrees)                               |
| 3       | Pan Fine      | 0-255       | Fine adjustment for Pan                                         |
| 4       | Tilt Fine     | 0-255       | Fine adjustment for Tilt                                        |
| 5       | Speed         | 0-255       | Pan/Tilt movement speed                                         |
| 6       | Dimmer        | 0-255       | Overall brightness (0-100%)                                     |
| 7       | Strobe        | 0-255       | Strobe effect speed                                             |
| 8       | Color Wheel   | 0-255       | Selects one of 7 colors + open white                            |
| 9       | Gobo Wheel    | 0-255       | Selects one of 7 gobos + open                                   |
| 10      | Gobo Rotation | 0-255       | Rotates selected gobo                                           |
| 11      | Function Mode | 0-255       | Activates various internal programs (Sound, Auto, Master/Slave) |

Note: The exact DMX channel assignments may vary slightly. Consult the specific DMX chart provided with your unit or available from the manufacturer for precise details.

**4.3 Sound Activated Mode**

In this mode, the fixture reacts to ambient sound or music detected by its built-in microphone.



Figure 3: Control panel displaying "Sou" for Sound Activated mode. The integrated microphone allows the light to synchronize with music.

- 1. Press the MENU button until "Sou" (Sound) appears on the LCD display.
- 2. Press ENTER to activate. The fixture will now respond to sound.
- 3. Adjust microphone sensitivity if available in the menu.

**4.4 Auto Mode**

The fixture runs through pre-programmed light shows automatically.



Figure 4: Control panel displaying "Aut" for Auto mode. This mode cycles through various built-in light sequences.

1. Press the MENU button until "Aut" (Auto) appears on the LCD display.
2. Press ENTER to activate. The fixture will begin its automatic program.
3. Use UP/DOWN buttons to select different auto programs if available.

## 4.5 Master-Slave Mode

Connect multiple fixtures to synchronize their movements and effects without a DMX controller.

1. Connect the DMX OUT of the designated Master fixture to the DMX IN of the first Slave fixture.
2. Daisy-chain subsequent Slave fixtures.
3. Set the Master fixture to either Sound Activated or Auto mode.
4. Set all Slave fixtures to "Sla" (Slave) mode via their LCD menus.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your U`King 50W LED Moving Head Light.

- **Cleaning:** Periodically clean the optical lens and exterior casing with a soft, lint-free cloth. For stubborn dirt, use a mild glass cleaner. Ensure the fixture is powered off and cool before cleaning.
- **Fan and Vents:** Keep the cooling fan and ventilation openings free from dust and debris to prevent overheating. Use compressed air to clear dust if necessary.
- **Cable Inspection:** Regularly inspect power and DMX cables for any signs of damage, fraying, or loose connections. Replace damaged cables immediately.
- **General Inspection:** Check all mounting hardware, screws, and connections for tightness.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your U`King 50W LED Moving Head Light.

| Problem                        | Possible Cause                                                                      | Solution                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Fixture does not power on.     | No power supply; faulty cable; internal fuse.                                       | Check power cable connection. Ensure outlet is live. Check internal fuse (if accessible and you are qualified).                      |
| No light output.               | Dimmer channel at 0; LED failure; fixture in blackout mode.                         | Check DMX dimmer channel. Ensure fixture is not in a blackout state. If LED failure, contact support.                                |
| Fixture not responding to DMX. | Incorrect DMX address; faulty DMX cable; DMX termination issue; incorrect DMX mode. | Verify DMX address. Check DMX cable connections. Ensure DMX mode is selected. Use a DMX terminator on the last fixture in the chain. |

| Problem                           | Possible Cause                                                           | Solution                                                                                                              |
|-----------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Movements are erratic or jerky.   | DMX signal interference; mechanical issue; incorrect DMX settings.       | Check DMX signal quality. Ensure Pan/Tilt fine channels are not causing issues. Power cycle the fixture.              |
| Sound Activated mode not working. | Microphone sensitivity too low; no sound input; incorrect mode selected. | Increase microphone sensitivity. Ensure music is playing loudly enough near the fixture. Verify "Sou" mode is active. |

## 7. TECHNICAL SPECIFICATIONS

Detailed specifications for the U`King 50W LED Moving Head Light (Model ZQ02006X4).

| Feature                | Detail                                       |
|------------------------|----------------------------------------------|
| Model Number           | ZQ02006X4                                    |
| Light Source           | 50W LED                                      |
| Power Source           | Corded Electric                              |
| Voltage                | 240 Volts (AC)                               |
| Maximum Wattage        | 50 Watts                                     |
| Color Temperature      | 11000 Kelvin                                 |
| Gobo Wheel             | 7 Gobos + Open                               |
| Color Wheel            | 7 Colors + Open White                        |
| Pan Movement           | 540 degrees                                  |
| Tilt Movement          | 270 degrees                                  |
| DMX Channels           | 9 or 11 channels                             |
| Control Modes          | DMX-512, Sound Activated, Auto, Master-Slave |
| Material               | Acrylonitrile Butadiene Styrene (ABS)        |
| Dimensions (L x W x H) | 5.8"L x 9.6"W x 6.9"H                        |
| Weight                 | Approximately 6.83 pounds (per unit)         |
| Included Components    | Moving head light x8                         |



Figure 5: Dimensions and movement range. This image provides a visual representation of the fixture's compact size and its 540-degree pan and 270-degree tilt capabilities.

## 8. WARRANTY AND SUPPORT

U'King is committed to providing high-quality products and customer satisfaction.

- **Manufacturer Warranty:** This product comes with a 90-day manufacturer's warranty.
- **Customer Service:** For any questions, technical support, or warranty claims, please contact U'King customer service. Refer to your purchase documentation for contact details or visit the official U'King store on Amazon.
- **Protection Plans:** Extended protection plans may be available for purchase separately.

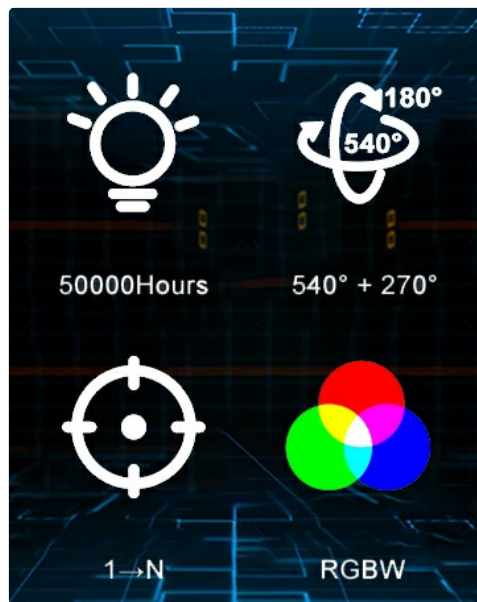


Figure 6: U`King customer support. Our team is available to assist with product inquiries and support.

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### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

#### Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

#### Question

Example: How do I reset this device or fix this error?

#### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

