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› U`King B60 Spider Moving Head Stage Lights Instruction Manual

U`King B60

U`King B60 Spider Moving Head Stage Lights Instruction Manual

Model: B60

1. INTRODUCTION

Thank you for purchasing the U`King B60 Spider Moving Head Stage Lights. This manual provides essential information for the safe and efficient operation of your new lighting system. Please read it thoroughly before installation and use, and retain it for future reference.

1.1 Product Overview

The U`King B60 is a versatile stage lighting fixture featuring 9x10W RGB LEDs, designed to produce dynamic lighting effects. It incorporates three independent motors for precise movement and offers multiple control options including DMX-512, Master-Slave, Sound Activated, and Automatic modes. Its robust construction of aluminum and PVC ensures durability for various applications.



Figure 1.1: Front view of two U'King B60 Spider Moving Head Stage Lights.

1.2 Package Contents

- U'King B60 Spider Moving Head Stage Light Unit(s)
- Power Cable
- Instruction Manual
- Mounting Bracket (if included with specific package)

2. SAFETY INFORMATION

To ensure safe operation, please observe the following precautions:

- **Electrical Safety:** Always connect the unit to a grounded power outlet. Ensure the voltage matches the product's requirements. Disconnect power before cleaning or servicing.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not block ventilation openings.
- **Environment:** This product is designed for indoor use only. Avoid exposure to moisture, extreme temperatures, or corrosive environments.
- **Eye Protection:** Do not look directly into the light source. The intense light output can cause eye damage.
- **Mounting:** Securely mount the fixture using appropriate hardware. Ensure the mounting surface or truss can support the weight of the unit.

- **Servicing:** Refer all servicing to qualified personnel. Do not attempt to repair the unit yourself.

3. SETUP

3.1 Unpacking

Carefully remove the unit from its packaging. Inspect for any damage during transit. If damage is found, do not operate the unit and contact your supplier.

3.2 Mounting

The U`King B60 can be placed on a flat surface or mounted to a truss using the provided bracket. Ensure the fixture is stable and secure to prevent accidental falls.

3.3 Connections

Connect the power cable to the unit's power input and then to a suitable power outlet. For DMX control, connect a DMX cable from your DMX controller to the DMX IN port on the fixture. For multiple units in a DMX chain, connect from DMX OUT of the first unit to DMX IN of the next.



Figure 3.1: Control panel and connection ports.

4. OPERATING MODES

The U'King B60 offers four primary control methods: DMX, Master-Slave, Sound Activated, and Automatic. Use the LCD display and control buttons (MENU, UP, DOWN, ENTER) to navigate and select modes.



Figure 4.1: LCD Display for mode selection.

4.1 Control Panel Navigation

- **MENU:** Press to cycle through main menu options.
- **UP/DOWN:** Use to navigate within a menu or adjust parameter values.
- **ENTER:** Confirm selection or save changes.

4.2 Automatic Mode

In Automatic mode, the fixture runs through pre-programmed light sequences without external control. To select:

1. Press **MENU** until 'AUtX' (where X is a number) appears on the LCD.
2. Use **UP/DOWN** to select different automatic programs.
3. Press **ENTER** to confirm your selection.

4.3 Sound Activated Mode

The Sound Activated mode allows the lights to react to ambient sound. The built-in microphone detects sound levels and triggers light patterns.



Figure 4.2: Built-in microphone for sound activation.

To select:

1. Press **MENU** until 'SOUd' appears on the LCD.
2. Use **UP/DOWN** to select different sound-activated programs.
3. Press **ENTER** to confirm your selection.

4.4 Master-Slave Mode

This mode allows multiple B60 units to operate in synchronization without a DMX controller. One unit acts as the 'Master' and controls all 'Slave' units.

1. Connect the DMX OUT of the Master unit to the DMX IN of the first Slave unit. Continue chaining DMX OUT to DMX IN for all subsequent Slave units.
2. Set the Master unit to an Automatic or Sound Activated mode.
3. For all Slave units, press **MENU** until 'SLAV' appears on the LCD.
4. Press **ENTER** to confirm. The Slave units will now mimic the Master unit.

4.5 DMX Mode

DMX-512 (Digital Multiplex) is a standard protocol for controlling stage lighting. The U'King B60 supports 12-channel and 19-channel DMX modes.

1. Connect the fixture to a DMX controller.
2. Press **MENU** until 'dXXX' (where XXX is the DMX address) appears on the LCD.
3. Use **UP/DOWN** to set the desired DMX starting address (001-512).
4. Press **ENTER** to confirm.
5. To select the DMX channel mode (12CH or 19CH), navigate through the menu options (refer to the specific DMX channel chart for your desired mode).

5. DMX CONTROL

The U`King B60 can be controlled via a DMX-512 controller, offering precise command over its functions. The fixture supports both 12-channel and 19-channel modes. Below is a generic DMX channel assignment table. Refer to the product's specific DMX chart for exact functions and values.



Figure 5.1: DMX IN and DMX OUT connections.

5.1 Generic 12-Channel DMX Mode

Channel	Function	Value Range
CH1	X-axis Movement	0-255
CH2	Y1-axis Movement	0-255
CH3	Y2-axis Movement	0-255
CH4	Strobe Speed	0-255
CH5	Red Intensity	0-255
CH6	Green Intensity	0-255
CH7	Blue Intensity	0-255
CH8	Dimmer	0-255
CH9	Built-in Programs	0-255
CH10	Program Speed	0-255
CH11	Sound Sensitivity	0-255
CH12	Reset	250-255

Note: The 19-channel mode offers more granular control over individual LED heads and movement parameters. Refer to the detailed DMX chart provided with your product for full functionality.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your U`King B60 stage lights.

6.1 Cleaning

- Disconnect power before cleaning.

- Use a soft, lint-free cloth to wipe the exterior of the unit.
- For lenses, use a specialized lens cleaning solution and a soft cloth to avoid scratches.
- Periodically clean ventilation openings to prevent dust buildup.

6.2 Storage

When not in use, store the fixture in a dry, dust-free environment. If possible, use the original packaging for protection during storage and transport.

7. TROUBLESHOOTING

If you encounter issues with your U`King B60, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Power cable disconnected; no power from outlet; blown fuse.	Check power cable connection; test outlet; replace fuse if necessary.
No Light Output	Dimmer channel at 0; fixture in blackout mode; LED failure.	Check DMX dimmer channel; ensure no blackout is active; contact support if LEDs are faulty.
No DMX Control	Incorrect DMX address; faulty DMX cable; DMX controller issue; incorrect DMX mode.	Verify DMX address; test DMX cable; check controller settings; ensure correct 12CH/19CH mode is selected.
Movement Issues	Mechanical obstruction; motor fault; DMX channel values incorrect.	Check for obstructions; verify DMX movement channel values; contact support if motor is faulty.
Sound Activation Not Working	Microphone obstructed; sound level too low; incorrect mode selected.	Ensure microphone is clear; increase sound source volume; verify 'SOUd' mode is active.

8. SPECIFICATIONS

Feature	Detail
Model	B60
Light Source	9 x 10W RGB LEDs (3 Red, 3 Green, 3 Blue)
Control Modes	DMX-512, Master-Slave, Sound Activated, Automatic
DMX Channels	12 / 19 Channels
Movement	X-axis: 540 degrees, Y1-axis: 120 degrees, Y2-axis: 120 degrees (Infinite Rotation)
Strobe	1-25 times/second (high speed electronic flash / random strobe)
Beam Angle	3-45 degrees
Operating Temperature	-25°C to +35°C
Material	Aluminum, Polyvinyl Chloride (PVC)
Power Source	Corded Electric

Feature	Detail
Dimensions (approx.)	12.5 in (31.7 cm) x 12.2 in (31 cm) x 7.8 in (19.8 cm)

MORE DETAIL



Figure 8.1: Product dimensions.

9. 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. Please have your model number (B60) and purchase date available when contacting support.

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