

## Kingkong 1024

# Kingkong DMX Stage Lighting Controller 1024 Channels User Manual

Model: Kingkong 1024 | Brand: Generic

## 1. INTRODUCTION

The Kingkong 1024 DMX Stage Lighting Controller is a professional console designed for comprehensive control of stage lighting equipment. It adheres to the DMX512/1990 standard and offers 1024 DMX control channels with photoelectric isolation signal output, ensuring reliable performance. This controller is capable of managing up to 96 computer lights or 96 road lamp dimming channels, utilizing a Pearl light library for extensive fixture compatibility. It features a built-in graphics trajectory generator with 135 pre-programmed graphics, facilitating dynamic lighting effects such as circles, spirals, rainbows, and chasing patterns. Graphic parameters like amplitude, velocity, distance, wave, and direction can be independently adjusted. The console supports 60 replay scenes, with multi-step scenes capable of storing up to 600 steps. An intuitive backlit LCD display provides information in English, and a USB disk port allows for backup and system upgrades. The unit is supplied with a specialized gooseneck lamp for enhanced visibility in various stage environments.



Figure 1.1: Front view of the Kingkong 1024 DMX Stage Lighting Controller, showcasing its control surface with faders, buttons, and LCD screen.

## 2. KEY FEATURES

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- DMX512/1990 standard with 1024 DMX control channels.
- Photoelectric isolation signal output for enhanced reliability.
- Control for up to 96 computer lights or 96 road lamp dimming channels.
- Support for Pearl R20 light library.
- Built-in graphics trajectory generator with 135 pre-programmed graphics.
- Independent adjustment of graphic parameters (amplitude, velocity, distance, wave, direction).
- 60 replay scenes, with multi-step scenes supporting up to 600 steps.
- Backlit LCD display screen with English interface.
- USB disk port for data backup and system upgrades.
- Includes a specialized gooseneck lamp.
- Robust metal construction with flight case packing for transport.

## 3. SETUP GUIDE

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This section outlines the steps for setting up your Kingkong 1024 DMX Stage Lighting Controller.

### 3.1 Unpacking and Inspection

1. Carefully remove the controller and its accessories from the flight case packing.
2. Verify that all components are present: Kingkong 1024 controller, flight case, gooseneck lamp, and power cable.
3. Inspect the unit for any signs of physical damage incurred during shipping. Report any damage to your supplier immediately.

### 3.2 Power Connection

Connect the provided power cable to the AC input on the rear panel of the controller. Ensure the power source is within the specified range of 90-240V AC, 50-60Hz. Turn the power switch to the 'ON' position to power on the unit.

### 3.3 DMX Connections

The controller features multiple DMX512 output ports. Connect your DMX-compatible lighting fixtures to these outputs using standard DMX cables. Ensure proper DMX termination for optimal signal integrity, especially in long cable runs or large setups.



Figure 3.1: Rear panel of the Kingkong 1024 DMX Stage Lighting Controller, showing power input, DMX outputs, and serial number.

### 3.4 Gooseneck Lamp Installation

Insert the specialized gooseneck lamp into its designated port on the controller. This lamp provides illumination for the control surface in low-light environments.

## 4. OPERATING INSTRUCTIONS

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This section provides an overview of the basic operation of the Kingkong 1024 DMX Stage Lighting Controller.

### 4.1 Initial Power-On and Display

Upon powering on, the backlit LCD display will show the system's status and menu options in English. Navigate through menus using the dedicated navigation buttons and rotary encoders.

### 4.2 Fixture Patching and Library Management

The controller supports the Pearl R20 light library. You will need to patch your lighting fixtures to specific DMX

channels within the controller's software. Refer to the detailed software manual (if provided separately or accessible via the controller's interface) for specific instructions on patching and managing fixture libraries. Note that due to variations in DMX charts from different suppliers, specific light programs are not pre-loaded and may need to be configured by the user.

### 4.3 Scene and Chase Programming

The controller allows for the creation and storage of 60 replay scenes. Multi-step scenes can store up to 600 steps, enabling complex lighting sequences. Use the faders and buttons to set DMX values for your fixtures, then save these configurations as scenes or steps within a chase.

### 4.4 Graphics Trajectory Generator

Utilize the built-in graphics trajectory generator to create dynamic movement effects for your computer lights. Select from 135 built-in graphics and adjust parameters such as amplitude, velocity, distance, wave, and direction to customize the effect. This feature is particularly useful for creating intricate patterns like picturesque circles, spirals, and rainbows.



Figure 4.1: Detailed views of the Kingkong 1024 DMX Stage Lighting Controller, highlighting the faders, buttons, rotary encoders, and

## 4.5 USB Disk Functionality

The USB disk port allows for backing up your show data and upgrading the controller's firmware. Regularly back up your show files to prevent data loss. Instructions for firmware upgrades will be provided with the upgrade package.

## 5. MAINTENANCE

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Proper maintenance ensures the longevity and reliable operation of your Kingkong 1024 DMX Stage Lighting Controller.

- **Cleaning:** Regularly clean the control surface and display with a soft, dry, lint-free cloth. Avoid using abrasive cleaners or solvents that could damage the finish or electronic components.
- **Ventilation:** Ensure that the ventilation openings are clear of dust and debris to prevent overheating.
- **Storage:** When not in use, store the controller in its flight case to protect it from dust, moisture, and physical impact.
- **Cable Management:** Periodically check all connected cables (power, DMX) for wear and tear. Replace damaged cables immediately.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your DMX controller.

### 6.1 No Power

- **Check Power Cable:** Ensure the power cable is securely connected to both the controller and a working power outlet.
- **Power Switch:** Verify that the power switch on the rear panel is in the 'ON' position.
- **Power Source:** Test the power outlet with another device to confirm it is supplying power.

### 6.2 No DMX Output / Lights Not Responding

- **DMX Cable Connection:** Ensure all DMX cables are correctly connected between the controller and your lighting fixtures.
- **DMX Addressing:** Verify that your lighting fixtures are correctly addressed to match the DMX channels assigned on the controller.
- **DMX Termination:** Ensure the last fixture in the DMX chain has a 120-ohm DMX terminator installed.
- **Fixture Mode:** Confirm that your lighting fixtures are set to the correct DMX mode (e.g., 8-channel, 16-channel).
- **Controller Output:** Check the controller's DMX output settings to ensure they are enabled and configured correctly.

### 6.3 Display Issues

- **Backlight:** If the display is dim, check if the backlight setting can be adjusted in the system menu.
- **Restart:** Try restarting the controller to resolve temporary display glitches.

If you encounter issues not covered here, or if the problem persists, please contact customer support.

## 7. TECHNICAL SPECIFICATIONS

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Feature	Specification
Power Supply	AC 90-240V / 50-60Hz
DMX Standard	DMX512/1990
DMX Channels	1024
Control Capacity	Max 96 computer lights or 96 road lamp dimming channels
Graphics Generator	Built-in, 135 graphics
Replay Scenes	60 (Multi-step scenes up to 600 steps)
Display	Backlit LCD, English interface
Data Interface	USB disk for backup and upgrade
Material	Metal
Color	Black
Product Dimensions	48.5 x 42 x 10.5 cm (19.09"L x 16.54"W x 4.13"H)
Item Weight	9.53 kg (21 pounds)
Mounting Type	Table Mount

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## 8. WARRANTY AND SUPPORT

### 8.1 Product Warranty

This Kingkong 1024 DMX Stage Lighting Controller comes with a one-year product warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

### 8.2 Customer Support

For any questions regarding the operation, setup, or troubleshooting of your controller, please do not hesitate to contact our enthusiastic after-sales service team. We are committed to providing assistance and resolving any issues you may encounter.

Contact information for support can typically be found on the product packaging or the seller's website.