Behringer LC2412

Behringer EUROLIGHT LC2412 Professional 24 Channel DMX Lighting Console User Manual

Model: LC2412

INTRODUCTION

The Behringer EUROLIGHT LC2412 is a professional 24-channel DMX lighting console designed for controlling stage lighting systems. It offers comprehensive features for programming and executing complex lighting scenes, making it suitable for various applications from theater productions to live events. This manual provides essential information for the safe and effective operation, setup, and maintenance of your LC2412 console.

Image: Behringer EUROLIGHT LC2412 Professional 24 Channel DMX Lighting Console. This image displays the front panel of the console with its faders, buttons, and display screen.

SAFETY INSTRUCTIONS

- **Power Supply:** Connect the console only to the specified power source. Ensure the voltage matches the console's requirements.

- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.

- **Moisture:** Avoid exposing the console to rain, moisture, or liquids. Do not operate with wet hands.

- **Cleaning:** Disconnect power before cleaning. Use a dry, soft cloth. Do not use liquid cleaners or aerosols.

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

- **Placement:** Place the console on a stable, level surface. Avoid placing it near heat sources or in direct sunlight.

SETUP

1. Unpacking

Carefully remove the console from its packaging. Inspect the unit for any signs of damage during transit. Retain the original packaging for future transport or storage.

2. Connecting Power

Connect the provided power cable to the power input on the rear of the console and then to a suitable electrical outlet. Ensure the power switch is in the OFF position before connecting.

3. Connecting DMX Devices

Use standard DMX cables (3-pin or 5-pin XLR, depending on your fixtures) to connect your DMX-compatible lighting fixtures to the DMX OUT port on the console. Connect fixtures in a daisy-chain configuration. Ensure the last fixture in the chain has a DMX terminator connected to its DMX OUT port to prevent signal reflection.

4. Initial Power-On

Once all connections are secure, switch the power ON. The console will perform a self-test, and the display will illuminate.

OPERATING INSTRUCTIONS

1. Control Overview

The LC2412 features 24 preset channels, each with a dedicated fader. Additional controls include master faders, scene memory buttons, crossfade controls, and a display for programming and status information.

2. DMX Channel Assignment (Patching)

The console allows assigning up to 3 DMX channels per preset channel. This feature enables control of multi-parameter fixtures or groups of single-parameter fixtures from a single fader. Refer to the detailed manual for specific steps on entering patch mode and assigning DMX addresses.

3. Scene Programming

The LC2412 can store up to 120 scenes across 10 banks.

1. **Set Levels:** Adjust the individual channel faders to achieve the desired lighting look for your scene.
2. **Select Bank:** Choose the desired memory bank using the bank selection buttons.
3. **Store Scene:** Press the "STORE" button, then select the scene memory button where you wish to save the scene. Confirm the storage if prompted.

Note: Ensure the console is in the correct operating mode (e.g., "LIVE" or "PROGRAM") when attempting to store scenes.

4. Crossfade Operation

The console features a freely selectable crossfade time for smooth transitions between scenes. Adjust the crossfade time using the dedicated control, then activate the crossfade function to transition between the active scene and the next selected scene.

5. Special Effects Channels

Two additional multi-functional channels are available for controlling special effects devices such as fog machines or color changers. These channels can be assigned and controlled independently.

MAINTENANCE

1. Cleaning

To clean the console, first disconnect it from the power supply. Use a soft, dry, lint-free cloth to wipe down the surfaces. For stubborn dirt, a slightly damp cloth can be used, followed immediately by a dry cloth. Avoid abrasive cleaners, solvents, or waxes.

2. Storage

When not in use for extended periods, store the console in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the original packaging or a protective case to prevent dust accumulation and physical damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable disconnected; faulty outlet; console power switch off.	Check power cable connections; test outlet with another device; ensure power switch is ON.
Lights not responding	Incorrect DMX patching; DMX cable issue; fixture not addressed correctly; DMX terminator missing.	Verify DMX patching in console; check DMX cable integrity; confirm fixture DMX address settings; ensure DMX terminator is on the last fixture.
Scenes not storing	Console not in program mode; incorrect storage procedure.	Ensure console is in the correct programming mode; follow scene storage steps precisely as outlined in the manual.
Faders feel loose or unresponsive	Normal wear and tear; internal component issue.	While some looseness can be normal, significant issues may require professional servicing.

For more detailed troubleshooting steps and advanced issues, please consult the full product manual or contact Behringer customer support.

SPECIFICATIONS

Item Weight: 9.46 pounds

Product Dimensions: 17.4 x 10.94 x 4.17 inches

Item Model Number: LC2412

Material Type: Steel

Color Name: Black

Channels: 24 preset channels, assignable to 512 DMX channels

DMX Channels per Preset: Up to 3

Scenes: 120 scenes storable in 10 banks

Crossfade: Freely selectable crossfade time

Special Effects Channels: Two additional multi-functional channels

WARRANTY AND SUPPORT

Behringer products are covered by a limited warranty. For detailed warranty information, registration, and technical

support, please visit the official Behringer website or contact your local distributor. Keep your proof of purchase for warranty claims.

Visit Behringer Support