



T72

Generic DMX-48 Channel DMX512 Console Controller User Manual

Model: T72

Overview Setup Introduction Operation Safety Information Maintenance Troubleshooting Package Contents Specifications Product Warranty & Support

1. INTRODUCTION

Thank you for choosing the Generic DMX-48 Channel DMX512 Console Controller. This manual provides essential information for the safe and efficient operation of your new lighting control board. Please read this manual thoroughly before use and retain it for future reference.

This DMX controller is designed for professional stage lighting applications, offering intuitive control over various DMX-compatible fixtures such as moving head lights, LED par lights, and effect lights. Its user-friendly interface and robust features make it suitable for DJs, event organizers, and lighting technicians.

2. SAFETY INFORMATION

- **Power Supply:** Ensure the controller is connected to a power source that matches the specified voltage requirements.
- **Environment:** Operate the device in a dry environment. Avoid exposure to moisture, rain, or extreme temperatures.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Handling:** Handle the controller with care. Avoid dropping or subjecting it to strong impacts.
- **Servicing:** Do not attempt to service or repair the unit yourself. Refer all servicing to qualified personnel.
- **Cables:** Use only DMX cables that are in good condition. Damaged cables can lead to intermittent operation or signal loss.

3. PACKAGE CONTENTS

Carefully unpack your DMX-48 controller and check that all items are present and in good condition. If any items are missing or damaged, please contact your retailer immediately.

- DMX-48 Channel DMX512 Console Controller x 1
- Power Adapter x 1 (*May vary by region*)
- User Manual x 1 (*This document*)



Figure 3.1: Contents of the DMX-48 Controller package.

4. PRODUCT OVERVIEW

The DMX-48 controller features an ergonomic design with eight top-grade faders for precise control and a digital display for channel values. It is built with durable ABS material, ensuring longevity and portability for mobile DJ setups and small venues.



Figure 4.1: Detailed view of the DMX-48 Controller's interface.

Key Features:

- **48 DMX Channels:** Control up to 48 individual DMX channels.
- **8 Faders:** Eight faders for direct control of DMX channels or groups.
- **Digital Display:** Provides visual feedback on channel values and programming modes.
- **Scene & Chase Programming:** Built-in capabilities for creating and storing scenes and dynamic chases.
- **User-Friendly Interface:** Intuitive function buttons for quick programming and operation.

5. SETUP

5.1 Connecting Power

1. Locate the power input port on the rear of the DMX-48 controller.
2. Connect the provided power adapter to the controller.
3. Plug the power adapter into a suitable electrical outlet. The controller should power on, and the digital display will illuminate.

5.2 Connecting DMX Fixtures

1. Ensure all DMX fixtures are powered off before connecting.
2. Connect a DMX cable from the DMX OUT port of the DMX-48 controller to the DMX IN port of your first DMX fixture.
3. For multiple fixtures, daisy-chain them by connecting a DMX cable from the DMX OUT of the first fixture to the DMX IN of the second, and so on.
4. Ensure each DMX fixture is set to its unique DMX starting address. Refer to your fixture's manual for details on setting DMX addresses.
5. It is recommended to use a DMX terminator at the end of the DMX chain for optimal signal integrity, especially for long cable runs or many fixtures.

6. OPERATING INSTRUCTIONS

6.1 Basic Channel Control

1. The DMX-48 controller provides 8 faders, each controlling a block of DMX channels.
2. Use the 'Page' button to switch between channel pages (e.g., channels 1-8, 9-16, etc.) to access all 48 channels. The digital display will indicate the current page.

3. Move a fader up or down to adjust the intensity or parameter value of the corresponding DMX channel. The digital display will show the current value (0-255).
4. The channel indicators provide visual feedback on active channels.

6.2 Programming Scenes

Scenes allow you to store specific lighting states (e.g., all lights red, spotlights on stage left). The DMX-48 controller allows for simple scene storage and recall.

1. Set your desired lighting state using the faders and channel pages.
2. Press the 'Add' button. The digital display may flash or indicate 'Add Scene'.
3. Select a scene memory location (e.g., by pressing a numbered button or using faders if applicable).
4. Confirm the storage. The scene is now saved and can be recalled later.

6.3 Creating Chases (Dynamic Light Shows)

Chases are sequences of scenes that play back automatically, creating dynamic lighting effects.

1. Program and save several individual scenes as described above.
2. Enter Chase programming mode (refer to the controller's specific button for this, often labeled 'Chase' or 'Program').
3. Select the scenes you wish to include in the chase, in the desired order.
4. Set the speed and fade time for each step of the chase, if available.
5. Save the chase to a memory location.
6. To activate a chase, select its memory location in playback mode.



Figure 6.1: Example of stage lighting controlled by a DMX console.

7. MAINTENANCE

7.1 Cleaning

- Always disconnect the power before cleaning.
- Use a soft, dry cloth to wipe the exterior of the controller.
- For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and internal components.

7.2 Storage

- Store the controller in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, consider using a dust cover or the original packaging to protect the unit.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller does not power on.	No power supply; faulty power adapter; power outlet issue.	Check power cable connection; test power adapter with another device; try a different power outlet.
Lights are not responding to the controller.	Incorrect DMX connections; incorrect DMX addresses on fixtures; faulty DMX cable; fixture not in DMX mode.	Verify DMX cable connections; ensure DMX addresses match controller output; test DMX cable; check fixture settings.
Intermittent light response or flickering.	Long DMX cable run without terminator; faulty DMX cable; electrical interference.	Add a DMX terminator at the end of the chain; replace DMX cable; ensure proper grounding and distance from power cables.
Digital display is blank or shows errors.	Internal fault; power issue.	Power cycle the unit; if the problem persists, contact support.

9. SPECIFICATIONS

- **Model:** T72
- **Channels:** 48 DMX Channels
- **Protocol:** DMX512
- **Material:** ABS
- **Color:** Black
- **Product Dimensions (L x W x H):** 9.06 in x 6.69 in x 1.97 in (23 cm x 17 cm x 5 cm)
- **Weight:** *(Information not provided, typically light for ABS)*
- **Power Input:** *(Information not provided, typically DC 9-12V)*



Figure 9.1: Physical dimensions of the DMX-48 Channel DMX512 Console Controller.

10. WARRANTY & SUPPORT

10.1 Limited Warranty

This Generic DMX-48 Channel DMX512 Console Controller is covered by a 30-day limited warranty from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

To claim warranty service, please retain your proof of purchase and contact your retailer or the manufacturer's customer support.

10.2 Customer Support

For technical assistance, troubleshooting, or general inquiries, please contact your point of purchase. You may also visit the manufacturer's website (if available) for additional resources and contact information.

