

Aymzbd 78023519132760365

Aymzbd DMX-48 Mini DMX512 Stage Lighting Controller User Manual

Model: 78023519132760365

1. INTRODUCTION

The Aymzbd DMX-48 Mini DMX512 Stage Lighting Controller is a compact and versatile device designed for controlling various DMX-compatible stage lighting fixtures. This manual provides essential information for the safe and effective operation of your DMX-48 controller, including setup, basic operation, and maintenance guidelines. It is suitable for controlling LED par lights, DJ lights, and moving head disco lights, offering an intuitive interface for both beginners and experienced users.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating this device. Retain this manual for future reference.

- **Electrical Safety:** Ensure the power supply voltage matches the device requirements. Do not expose the unit to rain or moisture. Disconnect power before cleaning or servicing.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Handling:** Avoid dropping or subjecting the unit to severe impact. Do not open the casing; there are no user-serviceable parts inside.
- **Environment:** Operate the device in a dry environment, away from extreme temperatures and corrosive substances.

3. PACKAGE CONTENTS

Upon opening your Aymzbd DMX-48 Mini DMX512 Stage Lighting Controller package, please verify that all the following items are included:

- 1 x Aymzbd DMX-48 Mini DMX512 Stage Lighting Controller
- 1 x USB Cable



Image 3.1: DMX-48 Mini Controller and included USB cable.

If any items are missing or damaged, please contact customer support immediately.

4. PRODUCT OVERVIEW

The DMX-48 controller features a user-friendly layout designed for efficient control of DMX512-compatible lighting fixtures. Familiarize yourself with the various components:



Image 4.1: Close-up of the DMX-48 control panel.

- **DMX512 Faders (1-16):** These faders control the intensity or parameter values for DMX channels 1 through 16. Each fader corresponds to a specific DMX channel.
- **Scene Buttons (1, 2, 3, Black):** These buttons are typically used to trigger pre-programmed scenes or functions. The 'Black' button may serve as a blackout function.
- **Digital Display:** Shows current DMX values, program numbers, or menu options.
- **DMX/Auto Button:** Toggles between DMX control mode and automatic program playback mode.
- **A/B Buttons:** Selects between two banks of fader settings or scenes, effectively expanding the number of controllable channels or programs.
- **Menu Button:** Accesses the controller's settings and programming options.
- **Add Button:** Used for saving or adding steps in programming sequences.
- **Page Button:** Navigates through different pages or sets of channels/scenes.

Follow these steps to set up your DMX-48 controller:

1. **Power Connection:** Connect the provided USB cable to the DMX-48 controller's power input port and then to a compatible USB power source (e.g., a USB wall adapter, computer USB port). The controller will power on, and the digital display should illuminate.
2. **DMX Output Connection:** Connect a standard 3-pin DMX cable (not included) from the DMX OUT port of the DMX-48 controller to the DMX IN port of your first DMX lighting fixture.
3. **Daisy Chaining Fixtures:** For multiple DMX fixtures, connect a DMX cable from the DMX OUT port of the first fixture to the DMX IN port of the second fixture, and so on. Ensure all fixtures are properly addressed according to their respective manuals.
4. **Fixture Addressing:** Set the DMX start address for each lighting fixture. The DMX-48 controller typically controls channels 1-16 directly. Ensure your fixtures' addresses are configured to respond to these channels as needed.

6. OPERATING INSTRUCTIONS

The DMX-48 controller operates using the DMX512 protocol, allowing precise control over lighting parameters.

6.1 Basic DMX Control

1. **Select DMX Mode:** Ensure the controller is in DMX mode. If an 'Auto' indicator is lit, press the 'DMX/Auto' button to switch to DMX control.
2. **Adjust Channels:** Move the faders (1-16) up and down to control the corresponding DMX channels. For example, if a light's dimmer is assigned to DMX channel 1, moving fader 1 will adjust its brightness.
3. **Bank Selection (A/B):** Use the 'A' and 'B' buttons to switch between two banks of fader control. This allows you to control up to 32 channels (16 in bank A, 16 in bank B) or different sets of parameters.
4. **Blackout:** Press the 'Black' button to instantly turn off all controlled lights. Press it again to restore the previous settings.

6.2 Scene Programming (Example)

The DMX-48 allows for basic scene programming. Refer to the specific DMX chart of your lighting fixtures to understand their channel functions.

1. **Set Desired Look:** Adjust the faders (1-16) to create the desired lighting effect (e.g., specific colors, brightness levels, gobos).
2. **Enter Program Mode:** Press the 'Menu' button. The digital display may show a program number or 'PROG'.
3. **Select Scene Slot:** Use the 'Page' button or other navigation buttons (if available) to select an empty scene slot (e.g., Scene 1, 2, or 3).
4. **Save Scene:** Press the 'Add' button to save the current fader settings into the selected scene slot. The display may flash to confirm.
5. **Exit Program Mode:** Press 'Menu' again to exit programming.
6. **Recall Scene:** To recall a saved scene, simply press the corresponding scene button (1, 2, or 3).

6.3 Auto Mode

If your controller supports internal automatic programs, press the 'DMX/Auto' button to switch to Auto mode. The controller will cycle through its built-in light shows. Use the 'Menu' or 'Page' buttons to potentially adjust speed or select different auto programs, if available.

7. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your DMX-48 controller.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the controller. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the finish or internal components.
- **Storage:** When not in use, store the controller in a cool, dry place, away from direct sunlight and extreme temperatures. Protect it from dust and physical damage.
- **Cable Care:** Regularly inspect the USB and DMX cables for any signs of wear or damage. Replace damaged cables immediately to prevent electrical hazards or signal loss.

8. TROUBLESHOOTING

If you encounter issues with your DMX-48 controller, refer to the following common problems and solutions:

- **Controller Does Not Power On:**
 - Ensure the USB cable is securely connected to both the controller and a working power source.
 - Try a different USB cable or power adapter.
- **Lights Not Responding to Controller:**
 - Verify that the DMX cable connections are secure between the controller and all fixtures.
 - Check that your lighting fixtures are set to the correct DMX start addresses and that these addresses correspond to the channels being controlled by the DMX-48.
 - Ensure the controller is in DMX mode (not Auto mode).
 - Confirm that the DMX fixtures are powered on and functioning correctly independently.
- **Intermittent Light Control:**
 - Inspect DMX cables for damage or loose connections.
 - Ensure a DMX terminator is used at the end of the DMX chain if experiencing signal issues over long runs or with many fixtures.

If the problem persists after attempting these solutions, please contact customer support.

9. SPECIFICATIONS

Feature	Specification
Model	DMX-48
DMX Protocol	DMX512
Control Channels	16 (expandable via A/B banks)
Material	Aluminum
Dimensions (L x W x H)	205mm x 123mm x 38mm (8.07in x 4.84in x 1.50in)
Power Input	USB (Cable included)



Image 9.1: DMX-48 Mini Controller dimensions.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the product's purchase documentation or contact the retailer/manufacturer directly. Keep your proof of purchase for any warranty claims.