

adj DMXOPERATOR PRO

American DJ DMX OPERATOR PRO Controller Instruction Manual

Model: DMXOPERATOR PRO | Brand: ADJ

1. INTRODUCTION

The American DJ DMX OPERATOR PRO is a versatile DMX controller designed for professional stage lighting applications. It offers comprehensive control over both intelligent DMX fixtures and conventional dimmer/ON/OFF channels, making it an ideal solution for various lighting setups. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your DMX OPERATOR PRO controller.



Figure 1: American DJ DMX OPERATOR PRO Controller

2. SAFETY INFORMATION

- Always connect the unit to a grounded power outlet.
- Ensure proper ventilation around the unit to prevent overheating.
- Do not expose the unit to rain or moisture.
- Avoid operating the unit in extreme temperatures.
- Refer all servicing to qualified service personnel.
- Use only the specified power supply (DC 9-15V, 500mA min).

3. PACKAGE CONTENTS

Please ensure all items are present and in good condition upon unpacking:

- DMX OPERATOR PRO Controller
- Power Supply (DC 9-15V, 500mA min)
- User Manual

4. SETUP

4.1 Physical Connection

1. Connect the provided power supply to the DC input on the rear of the DMX OPERATOR PRO.
2. Connect your DMX lighting fixtures to the DMX output (3-pin XLR) of the controller using DMX-512 compatible cables. Daisy-chain multiple fixtures as needed.
3. If using a fog machine with a trigger input, connect it to the dedicated fog machine trigger port.

4.2 DMX Addressing

Each DMX fixture in your setup must have a unique starting DMX address. Refer to your fixture's manual for specific addressing instructions. The DMX OPERATOR PRO manual includes a table to assist with common fixture addressing schemes.

4.3 Mounting Options

The DMX OPERATOR PRO can be used as a tabletop unit or rack-mounted. Remove the rubber rails for standard 19-inch rack mounting. Ensure adequate space for ventilation regardless of the mounting method.

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Video 1: Detailed setup and programming guide for the DMX OPERATOR PRO controller. This video demonstrates how to connect fixtures, program scenes, and create chases, offering a comprehensive visual walkthrough for users.

5. OPERATING THE CONTROLLER

5.1 Overview of Controls

The DMX OPERATOR PRO features a user-friendly interface with faders, buttons, and a joystick for intuitive control. It combines two controllers in one: an intelligent fixture controller and a Par Can/Dimmer/ON/OFF controller.

5.2 Intelligent Fixture Control

- **Channels:** 128 total DMX channels dedicated to intelligent fixtures.

- **Fixtures:** Control up to 8 individual intelligent fixtures, each with up to 16 DMX channels.
- **Scenes:** Program up to 96 scenes for intelligent fixtures.
- **Chases:** Create 8 programmable chases with adjustable fade and speed control.

5.3 Dimmer / ON/OFF Control

- **Channels:** 8 individual channels for dimmer or ON/OFF control of conventional fixtures.
- **Scenes:** Program up to 96 scenes for dimmer/ON/OFF channels.
- **Chases:** Create 6 programmable chases with adjustable fade and speed control.

5.4 Programming Scenes and Chases

Detailed instructions for entering program mode, selecting fixtures, adjusting parameters, and saving scenes and chases are provided in the full user manual. The controller features a backup memory function using a 32 MB Compact Flash Card.

5.5 Advanced Features

- **Joystick:** Assignable joystick with manual "Fine/Fast" pan/tilt adjustment for precise control of moving head fixtures.
- **Fog Machine Trigger:** Dedicated button to trigger compatible American DJ fog machines.
- **DMX Patching:** Flexible DMX channel assignment.
- **Tap Sync:** Synchronize chases to the beat of music.
- **Fixture Group Function:** Group multiple fixtures for simultaneous control.
- **Step/Mix Sequence Function:** Automatically sequences your chases.
- **MIDI Controllable:** Integrate with MIDI devices for external control.
- **Built-in Microphone:** For sound-active modes.
- **Blind Function:** Override chases on the fly.
- **Polarity Switch:** To accommodate European DMX fixtures.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the controller. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Handle the controller with care to avoid damage to faders, buttons, and connectors.

7. TROUBLESHOOTING

- **No Power:** Ensure the power supply is correctly connected and plugged into a working outlet. Check the power switch on the unit.
- **Lights Not Responding:** Verify all DMX cables are securely connected. Check DMX addressing for all fixtures. Ensure the DMX output polarity is correct (if applicable).
- **Scenes/Chases Not Saving:** Confirm you are in program mode and following the correct save procedure (e.g., holding MIDI/ADD and selecting the scene/chase button).
- **Intermittent Control:** Check for loose DMX connections or damaged cables. Ensure no other DMX controllers are interfering with the signal.

8. SPECIFICATIONS

Feature	Detail
DMX Channels	136 total (128 Intelligent, 8 Par Can/Dimmer)
Intelligent Fixtures	8 individual fixtures, 16 DMX channels each
Intelligent Scenes	96 programmable scenes
Intelligent Chases	8 programmable chases (fade/speed control)
Dimmer/ON/OFF Channels	8 individual channels
Dimmer/ON/OFF Scenes	96 programmable scenes
Dimmer/ON/OFF Chases	6 programmable chases (fade/speed control)
Memory Backup	32 MB Compact Flash Card
Joystick	Assignable with Fine/Fast pan/tilt
DMX Connection	3-pin XLR signal
Power Supply	DC 9-15V, 500mA min (included)
Dimensions (LxWxH)	7" x 19" x 3.75" / 178x483x95 mm
Weight	7 lbs. / 3.2 kgs
Item Model Number	DMXOPERATOR PRO
ASIN	B0006MSYRI

9. WARRANTY & SUPPORT

The American DJ DMX OPERATOR PRO controller comes with a manufacturer's warranty. For detailed warranty information, please refer to the warranty card included with your product or visit the official ADJ website. For technical support, troubleshooting assistance, or service inquiries, please contact ADJ customer service directly. You can also visit the [ADJ Store on Amazon](#) for additional product information and resources.