

MAD OWL C-12

MAD OWL 12 Channel DMX Dimming Controller (Model C-12) User Manual

Model: C-12 | Brand: MAD OWL

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your MAD OWL 12 Channel DMX Dimming Controller, Model C-12. This compact DMX512 controller is designed for managing stage lighting fixtures with up to 12 DMX channels, offering straightforward control for various lighting applications.

2. SAFETY INFORMATION

- Ensure the power supply voltage matches the requirements specified for the device.
- Do not expose the controller to rain, moisture, or extreme temperatures.
- Avoid placing the device near heat sources or in direct sunlight.
- Always disconnect power before cleaning or performing any maintenance.
- Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.
- Use only the provided power adapter.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- MAD OWL 12 Channel DMX Dimming Controller (Model C-12)
- 12V DC Power Adapter



Image: The MAD OWL 12 Channel DMX Dimming Controller shown with its included 12V DC power adapter.

4. PRODUCT OVERVIEW

4.1. Components and Controls



Image: Angled view of the controller, highlighting its various controls and connection points.

- **Channel Faders (CH1-CH12):** Six individual faders control DMX channels 1-6 or 7-12, depending on the selected page. Each fader adjusts the output level from 0 to 255.
- **PAGE Button:** Toggles between controlling DMX channels 1-6 (Page 1) and DMX channels 7-12 (Page 2). An indicator light shows the active page.
- **MASTER Fader:** Controls the overall output level for all active DMX channels.
- **BLACKOUT Button:** Instantly turns off all DMX output. Press again to restore previous levels.
- **POWER Button:** Turns the unit on or off.
- **DMX Output (XLR 3-pin):** Standard DMX512 output connector for connecting to lighting fixtures.
- **DC Power Input:** Connects to the included 12V DC power adapter.



Image: Left: Detail of the PAGE button and DMX indicator. Right: Detail of the channel faders.

5. SETUP

1. **Power Connection:** Connect the included 12V DC power adapter to the DC Power Input port on the side of the controller. Plug the adapter into a suitable power outlet.
2. **DMX Connection:** Connect a standard XLR 3-pin DMX cable from the DMX Output port on the controller to the DMX input of your first lighting fixture. If you have multiple fixtures, daisy-chain them by connecting the DMX output of the first fixture to the DMX input of the next, and so on.
3. **Power On:** Press the POWER button on the controller. The power indicator light should illuminate.
4. **Fixture Addressing:** Ensure your DMX lighting fixtures are correctly addressed to respond to the desired DMX channels (1-12). Refer to your lighting fixture's manual for DMX addressing instructions.



Image: The DMX output (XLR 3-pin) and DC power input ports with connected cables.

5.1. Compatibility

This controller is compatible with DMX512 signal protocol and connects via standard XLR 3-pin DMX cables. It is suitable for lighting fixtures that utilize up to 12 DMX channels. Examples of compatible fixtures include Par lights, LED Strobe lights, Front lights, COB Blinder Stage Lights, RGBW Disco Ball Lights, and LED Stage Lights.



Compatible with XLR 3 pin dmx cables



Image: Visual representation of various DMX lighting fixtures compatible with the controller.

6. OPERATING INSTRUCTIONS

1. Selecting Channels (Page Button):

- Press the **PAGE** button to switch between controlling channels 1-6 and channels 7-12.
- When the indicator light next to "DMX" is green, you are controlling channels 1-6.
- When the indicator light next to "PAGE" is blue, you are controlling channels 7-12.

2. Adjusting Channel Levels:

- Use the six individual channel faders to adjust the intensity or parameter of the corresponding DMX channel (CH1-CH6 or CH7-CH12).
- Moving a fader up increases the DMX value (0-255), and moving it down decreases the value.

3. Master Control:

- The **MASTER** fader controls the overall output level of all active DMX channels.
- Adjusting the Master fader down will dim all active lights proportionally.

4. Blackout Function:

- Press the **BLACKOUT** button to instantly turn off all DMX output, causing all connected lights to go dark.
- Press the **BLACKOUT** button again to restore the lights to their previous levels.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the controller. Do not use abrasive cleaners or solvents.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cable Inspection:** Regularly inspect DMX and power cables for any signs of damage. Replace damaged cables immediately.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller does not power on.	No power to the unit; faulty power adapter.	Check power outlet. Ensure power adapter is securely connected. Verify power adapter functionality.
Lights are not responding to the controller.	Incorrect DMX addressing on fixtures; faulty DMX cable; DMX chain issue; BLACKOUT engaged.	Verify DMX addresses on all fixtures. Check DMX cable connections. Ensure BLACKOUT button is disengaged. Test with a different DMX cable.
Only channels 1-6 or 7-12 are controllable.	Incorrect page selected.	Press the PAGE button to switch to the desired channel range (1-6 or 7-12). Observe the indicator lights.
Faders feel stiff or unresponsive.	Dust or debris; mechanical issue.	Gently clean around the faders. If the issue persists, contact customer support.

9. SPECIFICATIONS

Feature	Detail
Model Number	C-12
Brand	MAD OWL
DMX Channels	12 (6 channels per page)
DMX Protocol	DMX512
DMX Output Connector	XLR 3-pin female
Power Source	Corded Electric (12V DC adapter included)

Feature	Detail
Voltage	12 Volts
Amperage	59 Milliamps
Material	Aluminum
Finish Type	Brushed
Product Dimensions (L x W x H)	7.09" x 3.94" x 1.38" (170 x 95 x 32 mm)
Item Weight	1.46 pounds (approx. 500g)
Batteries Required	No



Image: Detailed dimensions of the controller.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact the manufacturer or your point of purchase. Keep your purchase receipt as proof of purchase.

Manufacturer: wecanlight

For further assistance, please visit the [MAD OWL Store on Amazon](#).

