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Boulder BL-MW1915ZCW

Boulder Pro BL-MW1915ZCW Zoom Wash Moving Head Light User Manual

Model: BL-MW1915ZCW

1. INTRODUCTION

Thank you for choosing the Boulder Pro BL-MW1915ZCW Zoom Wash Moving Head Light. This manual provides essential information for the safe and efficient operation of your new lighting fixture. Please read this manual thoroughly before installation and use, and retain it for future reference.

The Boulder Pro BL-MW1915ZCW is a versatile stage lighting fixture featuring 19x15W 2-in-1 LEDs, offering variable warm white and cool white light. It includes a motorized zoom function (5°-45°), DMX512 control, master-slave, sound-activated, and auto operation modes, making it suitable for various applications such as churches, theaters, studios, and events.

2. SAFETY INFORMATION

- **Electrical Safety:** Always connect the fixture to a grounded power outlet. Ensure the power supply voltage matches the fixture's requirements (AC90-260V 50/60Hz). Disconnect power before any service or maintenance.
- **Temperature:** Do not operate the fixture in ambient temperatures exceeding 45°C (113°F). Ensure adequate ventilation to prevent overheating.
- **Mounting:** Securely mount the fixture using appropriate clamps and safety cables. Ensure the mounting surface can support the fixture's weight.
- **Eye Safety:** Avoid direct eye exposure to the light source.
- **Moisture:** This fixture has an IP20 protection rating, meaning it is not protected against water. Do not expose it to rain or moisture.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. The standard package includes:

- Boulder Pro BL-MW1915ZCW Moving Head Light (2 units if '2pcs packed' variant)

- Power Cable
- DMX Cable
- Mounting Brackets (if applicable)
- User Manual

If any items are missing or damaged, please contact your dealer immediately.

4. SETUP

4.1 Physical Installation

1. **Unpacking:** Carefully remove the fixture from its packaging.
2. **Mounting:** The fixture can be mounted on a truss, ceiling, or placed on a stable surface. Use appropriate clamps and safety cables for overhead installations. Ensure the mounting point can safely hold the fixture's weight.
3. **Positioning:** Position the fixture to achieve the desired lighting coverage, considering the zoom capabilities.

4.2 Electrical Connection

1. Connect the provided Powercon IN cable to the fixture's power input.
2. Plug the other end of the power cable into a suitable grounded AC power outlet (AC90-260V 50/60Hz).
3. For daisy-chaining power, use the Powercon OUT connector to link to another fixture.

4.3 DMX Connection

For DMX control, connect a 3-pin DMX cable from your DMX controller's output to the fixture's DMX IN port. For multiple fixtures, daisy-chain them by connecting the DMX OUT of the first fixture to the DMX IN of the next, and so on. Ensure the last fixture in the chain has a DMX terminator installed.



Figure 1: Rear panel connections including DMX In/Out and Powercon In/Out.

5. OPERATING INSTRUCTIONS

The Boulder Pro BL-MW1915ZCW offers multiple operating modes and features:

5.1 Control Panel

The fixture features an LCD display and control buttons for menu navigation and settings adjustment.

5.2 Operating Modes

- **DMX512 Mode:** Allows external control via a DMX controller. The fixture supports 15, 19, 18, or 28 DMX channels. Refer to the DMX chart in the appendix for detailed channel functions.
- **Master-Slave Mode:** Link multiple fixtures together. One fixture acts as the master, controlling the others (slaves). Connect DMX OUT of the master to DMX IN of the first slave, and so on.
- **Sound Activated Mode:** The fixture reacts to ambient sound, creating dynamic light shows.
- **Auto Operation Mode:** Pre-programmed light sequences run automatically.
- **Manual Mode:** Adjust settings directly from the control panel.

5.3 Key Features

- **Variable White LEDs:** Features 2-in-1 LEDs for adjustable warm white and cool white output, allowing for precise color temperature control.
- **Motorized Zoom:** Adjust the beam angle from 5° to 45° for wide washes or tight spot effects.
- **Dimming and Strobe:** Smooth LED dimming and a strobe effect with adjustable speed (1-25 times/sec or random).
- **Pan/Tilt Movement:** The moving head allows for dynamic pan and tilt movements to direct light precisely.



Figure 2: The fixture's ability to produce various white light color temperatures.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your fixture.

- **Cleaning:** Periodically clean the lenses and exterior with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Fan Cleaning:** Ensure the cooling fan and vents are free from dust and debris to maintain efficient cooling.
- **Inspection:** Regularly check all cables, connectors, and mounting hardware for signs of wear or damage. Replace any damaged parts immediately.
- **Storage:** When not in use, store the fixture in a dry, dust-free environment, preferably in its original packaging or a protective case.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

- **No Power:**

- Check the power cable connection to the fixture and the power outlet.
- Verify the power outlet is active.
- Check the fuse on the fixture's rear panel. Replace if blown.

- **No DMX Control:**

- Ensure DMX cables are correctly connected (DMX IN/OUT).
- Verify the DMX address on the fixture matches your controller's settings.
- Check for damaged DMX cables.
- Ensure a DMX terminator is used on the last fixture in the chain.

- **Fixture Not Moving/Responding:**

- Check the selected operating mode (DMX, Master-Slave, Auto, Sound).
- If in DMX mode, verify DMX signal presence and correct channel values.
- Perform a factory reset via the control panel if available.

- **Overheating:**

- Ensure adequate ventilation around the fixture.
- Clean any dust or debris from the cooling fan and vents.

If problems persist, contact Boulder customer support.

8. SPECIFICATIONS

Brand	Boulder
Model Number	BL-MW1915ZCW

LED Quantities	19 x 15W 2-IN-1 LEDs (Warm White + Cool White)
Input Voltage	AC90-260V 50/60Hz
Power Consumption	350W
Control Signal	DMX512, Master-Slave, Sound Activated, Auto Operation
DMX Channels	15/19/18/28 Channels
Zoom Angle	5° - 45° Motorized Zoom
Strobe Effect	1-25 times/sec or Random
Dimming	Smooth LED Dimmer
Max Ambient Temperature	45°C
IP Rating	IP20
Noise Level	55dB at 3'
Connectors	3-pin DMX IN/OUT, Powercon IN/OUT
Product Dimensions	185(D) x 310(W) x 400(H)mm (approx. 12.2" L x 12.2" W x 15.75" H)
Net Weight	7.8kg (approx. 17.2 lbs)



Figure 3: Two Boulder Pro BL-MW1915ZCW fixtures.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

For specific warranty details, please refer to the warranty card included with your product or contact Boulder customer service. Keep your proof of purchase for warranty claims.

9.2 Customer Support

If you have any questions, require technical assistance, or need to report an issue, please contact Boulder customer support through the official website or your retailer. Provide your product model number (BL-MW1915ZCW) and purchase details for efficient service.

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Related Documents - BL-MW1915ZCW

 812 DAC Preamplifier Quick Start Guide	<p>Boulder 812 DAC Preamplifier Quick Start Guide</p> <p>Get started quickly with the Boulder 812 DAC Preamplifier. This guide provides essential setup instructions, connection diagrams, and operational tips for your high-fidelity audio device.</p>
 1162 Stereo Power Amplifier	<p>Boulder 1162 Stereo Power Amplifier User Manual and Specifications</p> <p>Comprehensive guide to the Boulder 1162 Stereo Power Amplifier, covering setup, connections, operation, technical specifications, and troubleshooting. Learn about Boulder Amplifiers' high-performance audio equipment.</p>
 1163 Stereo Power Amplifier	<p>Boulder 1163 Stereo Power Amplifier: User Manual and Specifications</p> <p>Comprehensive user manual and technical specifications for the Boulder 1163 Stereo Power Amplifier, detailing setup, operation, troubleshooting, and performance data from Boulder Amplifiers, Inc.</p>
 861 Stereo Power Amplifier	<p>Boulder 861 Stereo Power Amplifier Owner's Manual</p> <p>Comprehensive owner's manual for the Boulder 861 Stereo Power Amplifier, detailing its features, setup, connections, operation, programming, technical specifications, and troubleshooting. Learn how to optimize your high-performance audio system.</p>
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