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Warmdance ZQ06204

Warmdance 120W 18LEDs RGBW Wall Wash Light (Model ZQ06204) Instruction Manual

Comprehensive guide for setup, operation, and maintenance of your Warmdance Stage Light Bar.

1. Introduction

Thank you for choosing the Warmdance 120W 18LEDs RGBW Wall Wash Light. This instruction manual provides essential information for the safe and efficient operation of your new stage lighting equipment. Please read this manual thoroughly before installation and use, and retain it for future reference.

This product features a high-output dual lighting system with 18 intense RGBW LEDs and 234 auxiliary white LEDs, designed to deliver vibrant color mixing and uniform wall washing effects. It offers extensive built-in programs, sound-activated modes, and advanced DMX control for versatile lighting applications.

2. Safety Information

Always observe the following safety precautions to prevent electric shock, fire, or injury:

- Ensure the power supply voltage matches the product's requirements (100-240V).
- Do not open the housing; there are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Avoid direct eye exposure to the light source.
- Keep the unit away from rain, moisture, and extreme temperatures.
- Ensure proper ventilation around the unit to prevent overheating.
- Securely mount the fixture to prevent accidental falls.
- Disconnect power before cleaning or maintenance.

3. Package Contents

Upon unpacking, please verify that all components are present and undamaged:

- Warmdance 120W 18LEDs RGBW Wall Wash Light (1 unit)
- Power Cord (1 unit)
- Instruction Manual (1 unit)
- Mounting Brackets (2 units) and Screws (2 units)



Figure 3.1: Contents of the product package. Includes the wall wash light, power cord, instruction manual, and mounting hardware.

4. Product Overview

The Warmdance Wall Wash Light is designed for versatile stage and event lighting. It combines powerful RGBW LEDs with dedicated white fill lights for a broad spectrum of color and brightness options.



Figure 4.1: Overview of the RGBW LED Wall Wash Light's color capabilities, including red, green, blue, white, yellow, orange, purple, and pink.

Key Features:

- **Dual Lighting System:** 18 RGBW LEDs for rich colors and 234 auxiliary white LEDs for uniform fill light.
- **Wide Beam Angle:** 25° lens for pure color and high brightness, ensuring broad coverage.
- **Extensive Programs:** 29 main chase programs and 59 auxiliary fill light effects, all with adjustable speed.
- **Multiple Operating Modes:** Auto, Sound-Active, Master-Slave, and DMX512.
- **DMX & RDM Compatibility:** Standard 3-pin XLR port for DMX512 and RDM protocol support, including 3-LED string DMX point control.
- **Sound Activation:** Built-in microphone with adjustable sensitivity for music synchronization.
- **Durable Construction:** Robust iron housing for indoor and outdoor use.
- **Linear Dimming:** Smooth 0-100% linear dimming curve.
- **Strobe Function:** Adjustable strobe rate from 1-20Hz.



Figure 4.2: Close-up of key components, including RGBW beads, adjustable mounting, built-in microphone, and white fill lights.

5. Setup

5.1 Mounting the Fixture

The Wall Wash Light can be mounted in various positions (floor, truss, wall) using the included mounting brackets. Ensure the mounting surface or structure can safely support the weight of the fixture (approximately 5.5 lbs or 2.5 kg).

1. Attach the mounting brackets to the sides of the fixture using the provided screws.
2. Secure the fixture to your desired location using appropriate clamps or fasteners (not included).
3. Adjust the angle of the light bar using the 180° motor angle adjustment on the brackets to direct the light as needed.



Figure 5.1: Product dimensions and weight for mounting reference.

5.2 Power Connection

Connect the provided power cord to the fixture's power input and then to a standard electrical outlet (AC 100-240V, 50/60Hz). Ensure the connection is secure.

5.3 DMX Connection (Optional)

For DMX control, connect a standard 3-pin XLR DMX cable from your DMX controller to the DMX IN port on the fixture. 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.



Figure 5.2: Control panel and connection points, including DMX IN/OUT.

6. Operating Instructions

The fixture can be operated via its onboard digital display, sound activation, or DMX control.

6.1 Control Panel Overview

The rear panel features a 4-digit digital display and control buttons (MENU, UP, DOWN, ENTER) for navigating settings and modes.



Figure 6.1: Digital display and control buttons for mode selection and parameter adjustment.

6.2 Operating Modes

Press the **MENU** button to cycle through the main operating modes:

- **Auto Mode:** The light cycles through its 29 main chase programs and 59 auxiliary fill light effects automatically. Use **UP**/**DOWN** to adjust speed.
- **Sound-Active Mode:** The light reacts to music and sound via its built-in microphone. Use**UP**/**DOWN** to adjust microphone sensitivity.
- **Master-Slave Mode:** Connect multiple fixtures via DMX cables. Set one unit as "Master" and others as "Slave." Slave units will mirror the Master's operation.
- **DMX Mode:** For professional control using a DMX512 controller.



Figure 6.2: Visual representation of available operating modes.



Figure 6.3: Example of sound-activated lighting effects.

6.3 DMX Control

In DMX mode, the fixture can be controlled by an external DMX512 controller. The fixture supports various control channels (5, 14, 33, 37 channels). Refer to your DMX controller's manual for specific programming. The 3-LED string DMX point control allows for intricate pattern creation.



Figure 6.4: Examples of chase and fill light effects, controllable via DMX.

The fixture also supports RDM (Remote Device Management) for two-way communication and console address management, simplifying setup in complex lighting rigs.

6.4 Dimming and Strobe

The light features smooth 0-100% linear dimming. The strobe function can be adjusted from 1-20Hz, creating dynamic

effects.

Figure 6.5: Illustration of the 25° beam angle and linear dimming capability.

7. Maintenance

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

- **Cleaning:** Periodically clean the lens and housing with a soft, lint-free cloth. Do not use abrasive cleaners or solvents. Ensure the unit is powered off and unplugged before cleaning.
- **Inspection:** Regularly check power cables, DMX cables, and mounting hardware for any signs of wear, damage, or loose connections.
- **Storage:** If storing the fixture for an extended period, keep it in a dry, dust-free environment.

8. Troubleshooting

Problem	Possible Cause	Solution
No power	Power cable disconnected; no power from outlet; faulty cable.	Check power cable connection; test outlet with another device; replace power cable if damaged.
Light not responding to DMX	Incorrect DMX address; faulty DMX cable; DMX controller issue; incorrect DMX mode selected.	Verify DMX address setting on fixture; check DMX cable connections; test with a different DMX cable; ensure fixture is in DMX mode.
Sound-active mode not working	Microphone sensitivity too low; no sound input; incorrect mode selected.	Increase microphone sensitivity via control panel; ensure sound source is active and close enough; verify Sound-Active mode is selected.
Light flickering or inconsistent output	Loose power connection; DMX signal interference; overheating.	Secure power connection; check DMX cable shielding; ensure adequate ventilation.

9. Specifications

Model Number	ZQ06204
Brand	Warmdance
Light Source	18 x RGBW LEDs, 234 x 0.2W White LEDs
Power Consumption	120W
Input Voltage	AC 100-240V, 50/60Hz
Beam Angle	25°
Dimming	0-100% Linear

Strobe Rate	1-20Hz
Control Modes	Auto, Sound-Active, Master-Slave, DMX512
DMX Channels	5/14/33/37 Channels
DMX Protocol	Standard DMX512, RDM Protocol
Data Connection	3-pin XLR Input/Output
Display	4-Digit Digital Display
Material	Iron
Product Dimensions (L x W x H)	37" x 4.92" x 2.91" (94.2cm x 12.5cm x 7.4cm)
Item Weight	5.5 lbs (2.5 kg)
Lifespan	50,000+ Hours

10. Warranty and Support

Warmdance products are manufactured to high-quality standards. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Warmdance website. Please have your model number (ZQ06204) and purchase date available when contacting support.

For additional resources and product information, you may visit theWarmdance Store on Amazon.

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