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Warmdance ZQ06204

Warmdance Stage Light Bar ZQ06204 User Manual

Model: ZQ06204

1. Introduction

Thank you for choosing the Warmdance Stage Light Bar ZQ06204. This high-output LED wall wash light is designed to provide vibrant color mixing and uniform lighting effects for various applications, including stage lighting, events, and architectural illumination. This manual will guide you through the proper setup, operation, and maintenance of your device to ensure optimal performance and longevity.

2. Safety Information

- **Electrical Safety:** Ensure the power supply matches the specified voltage (AC100-240V 50/60Hz). Always disconnect power before cleaning or servicing.
- **Installation:** Mount the fixture securely to prevent accidental falls. Ensure adequate ventilation around the unit to prevent overheating.
- **Eye Protection:** Do not stare directly into the light source when the fixture is operating, as it can cause eye damage.
- **Environment:** This product is designed for indoor and outdoor use (IP20 protection level, avoid direct water exposure). Keep away from flammable materials.
- **Servicing:** Refer all servicing to qualified personnel. Do not attempt to repair the unit yourself.

3. Package Contents

Verify that all items are present in the package:

- 1 x Warmdance Stage Light Bar ZQ06204
- 1 x Power Cord
- 1 x Instruction Manual (this document)
- Mounting Brackets (pre-attached or included separately)



Image: The Warmdance Stage Light Bar ZQ06204 and its included accessories.

4. Product Overview

4.1 Key Features

- **High-Output Dual Lighting:** Features 18 intense RGBW LEDs and 234 auxiliary white LEDs for vibrant color mixing and uniform wall wash effects.
- **Extensive Built-in Programs:** Includes 29 main and 59 auxiliary chase programs with adjustable speed.
- **Multiple Operating Modes:** Supports Auto, Sound-Active, Master-Slave, and DMX modes.
- **Professional DMX512 and RDM Compatibility:** Standard 3-pin XLR port for reliable signal transmission and console address management.
- **Durable Design:** Constructed from robust iron, suitable for various environments.
- **25° Beam Angle:** Ensures a wide wash effect with pure color and high brightness.
- **Smooth Linear Dimming:** 0-100% dimming curve for precise light control.

4.2 Components

The light bar features a user-friendly interface and robust connections:

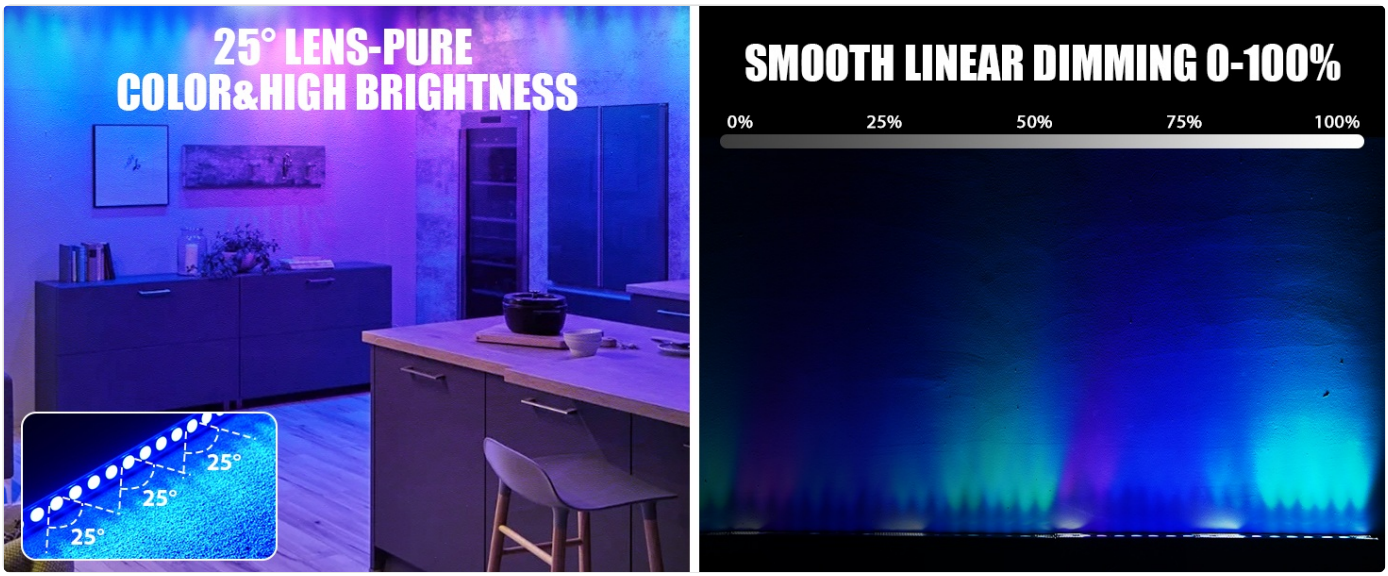


Image: Key components including the 4-digit digital display, 18 RGBW LEDs, 234 white fill lights, power input, and DMX512 input/output ports.

- **4-Digit Digital Display:** For mode selection and parameter adjustment.
- **Control Buttons:** MENU, UP, DOWN, ENTER for navigation.
- **DMX IN/OUT:** 3-pin XLR connectors for DMX control.
- **Power IN/OUT:** For connecting to power and daisy-chaining multiple units.
- **180° Adjustable Bracket:** For flexible mounting and beam direction.
- **Built-in Microphone:** For sound-activated mode.

5. Setup

5.1 Mounting

The light bar can be mounted on a wall, truss, or placed on a flat surface using its adjustable bracket. Ensure the mounting surface or structure can support the weight of the fixture (approximately 5.5 lbs / 2.5 kg).

- Use appropriate clamps or screws to secure the mounting bracket.
- Adjust the angle of the light bar using the side knobs on the bracket to achieve the desired beam direction.



Image: Product dimensions and mounting example.

5.2 Power Connection

- Connect the provided power cord to the **POWER IN** port on the light bar and then to a suitable power outlet.
- For daisy-chaining multiple units, connect a power link cable from the **POWER OUT** port of the first unit to the **POWER IN** port of the next unit. Ensure the total power consumption does not exceed the circuit's capacity.

5.3 DMX Connection (Optional)

- Connect a 3-pin XLR cable from your DMX controller's output to the **DMX IN** port of the first light bar.
- To control multiple units, connect a DMX cable from the **DMX OUT** port of the first unit to the **DMX IN** port of the next unit in the chain.
- For optimal signal integrity, terminate the DMX chain with a 120-ohm DMX terminator on the last fixture's DMX OUT port.

6. Operating Modes

The light bar offers several operating modes, selectable via the digital display and control buttons.



Image: Digital display and control buttons for mode selection.

6.1 Auto Mode (Self-Propelled)

In Auto mode, the light bar cycles through its built-in programs automatically. Use the UP/DOWN buttons to select different auto programs and adjust their speed.

6.2 Sound-Active Mode (Voice Control)

The light bar responds to music and sound via its built-in microphone. The lighting effects will synchronize with the beat. Adjust microphone sensitivity if needed through the menu options.

6.3 Master-Slave Mode

Connect multiple light bars via DMX cables. Set one unit as the 'Master' and the others as 'Slave' units. The slave units will mirror the master's operation, allowing synchronized effects without a DMX controller.

6.4 DMX Mode

For advanced control, connect the light bar to a DMX512 controller. This mode allows precise control over individual colors, dimming, strobe, and built-in programs. Refer to the DMX Control section for channel assignments.



Image: Examples of RGBW color mixing and chasing effects.

7. DMX Control

The Warmdance Stage Light Bar ZQ06204 is DMX512 compatible and supports RDM for two-way communication. It offers multiple channel modes (e.g., 5, 14, 33, 37 channels) to suit different control needs.

7.1 DMX Address Setting

- Use the digital display and control buttons to set the DMX starting address for each fixture.
- Ensure each fixture has a unique DMX address to avoid conflicts.

7.2 DMX Channel Modes

Consult the fixture's internal menu or a detailed DMX chart (often provided separately or available online) for specific channel assignments for each mode. Common channels include:

- Dimmer (0-100%)
- Red, Green, Blue, White intensity
- Strobe speed
- Built-in program selection and speed
- 3-LED string DMX point control for intricate patterns.

8. Maintenance

8.1 Cleaning

- Regularly clean the lens and housing with a soft, lint-free cloth to maintain optimal light output.
- Do not use abrasive cleaners or solvents.

8.2 Storage

- Store the light bar in a dry, dust-free environment when not in use.
- Protect the unit from extreme temperatures and humidity.

9. Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on	No power supply	Check power cord connection and power outlet.
No DMX control	Incorrect DMX address or cable connection	Verify DMX address, check DMX cable connections, ensure DMX terminator is used.
Lights flicker or behave erratically	Poor DMX signal or power fluctuations	Check DMX cable quality, ensure stable power supply. Try a different DMX channel mode.
Sound-active mode not responding	Microphone sensitivity too low or no sound input	Increase microphone sensitivity in the menu. Ensure sound source is close enough.

10. Specifications



Image: Key technical specifications.

Feature	Detail
Model Number	ZQ06204
Input Voltage	AC100-240V 50/60Hz
Light Source	18 x RGBW LEDs, 234 x 0.2W White LEDs
Light Output Angle	25°
Light Source Wattage	120 Watts
Average LED Life	50,000+ hours
Dimming Curve	0-100% Linear Dimming
Strobe Frequency	1-20Hz
Operation Modes	Auto, Sound-Active, Master-Slave, DMX
Control Channels	5/14/33/37CH (DMX)
Protocol	Standard DMX512 Protocol, RDM Protocol
Data Connection	Three-core XLR Input/Output
Display	4-Digit Digital Display
Protection Level	IP20
Working Environment	-20°C to 40°C
Material	Iron
Product Dimensions (L x W x H)	37"L x 4.92"W x 2.91"H (94.2cm x 12.5cm x 7.4cm)
Item Weight	5.5 Pounds (2.5 kg)

11. Warranty and Support

11.1 Manufacturer Warranty

This product comes with a 3-month manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

11.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Warmdance customer support through your original point of purchase. Please have your model number (ZQ06204) and purchase date available when contacting support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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