Datewink ZQ02103

Datewink Moving Head DJ Lights

Model: ZQ02103

User Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your Datewink Moving Head DJ Lights. Please read this manual thoroughly before initial use and retain it for future reference. These lights are designed for professional stage, event, and home party lighting, offering versatile effects and control options.

Figure 1: Two Datewink Moving Head DJ Lights. These units feature multiple LED lamp beads capable of producing a wide range of colors and dynamic lighting effects.

What's in the Box

Upon unpacking, please ensure all items listed below are present and in good condition. If any items are missing or damaged, contact customer support immediately.

- Moving Head Light (1 or 2 units, depending on pack size)
- Power Cord (2 units included for 2-pack)
- Hook Accessories (2 units)
- Instruction Manual (1 unit)

Figure 2: Contents of the product package, including the main unit, power cords, mounting accessories, and the user manual.

Setup

Proper setup is crucial for optimal performance and safety. Follow these steps for installation:

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future storage or transport.
2. **Placement:** The DJ lights can be placed on a flat surface (floor mount) or mounted to a truss or ceiling using the provided hook accessories. Ensure the surface or mounting point is stable and can support the weight of the unit (approximately 6.45kg / 14.2lbs per unit).
3. **Mounting (Optional):**
   - Attach the hook accessories securely to the designated mounting points on the base of the light.
   - Fasten the light to a truss or ceiling beam, ensuring all connections are tight and secure.
4. **Power Connection:** Connect the provided power cord to the "POWER IN" port on the rear of the unit. Plug the other end into a suitable power outlet (AC 100-240V, 50/60Hz).
5. **DMX Connection (Optional):** For DMX control, connect a DMX cable from your DMX controller to the "DMX IN" port. To daisy-chain multiple lights, connect a DMX cable from the "DMX OUT" of the first light to the "DMX IN" of the next.

Figure 3: Unit dimensions and illustration of truss mounting using the hook accessories.

OPERATING MODES

The Datewink Moving Head DJ Lights offer versatile control options to suit various event needs:

- **Automatic Mode:** The light runs through pre-programmed sequences of colors, movements, and effects without external input. This is ideal for quick setup and continuous dynamic lighting.

- **Sound-Activated Mode:** The light responds to ambient sound or music, changing patterns and intensity in sync with the audio. A built-in microphone detects sound levels.

- **Master-Slave Mode:** Connect multiple lights together. One unit acts as the "Master" and controls all other "Slave" units, ensuring synchronized lighting effects across the setup.

- **DMX512 Control (16CH):** For professional and precise control, connect the lights to a DMX controller. This mode allows for individual control over various parameters such as X-axis (540°) and Y-axis (270°) movement, color mixing (RGBW 4-in-1 LED), dimming (0-100% linear), strobe speed (1-20Hz), and zoom/wash/beam effects. Fine-tuning

adjustments (0.008° X-axis, 0.004° Y-axis) are available for precise positioning.

Figure 4: Overview of available control modes for the moving head light.

FEATURES AND CAPABILITIES

Your Datewink Moving Head DJ Lights are equipped with advanced features for dynamic lighting displays:

- **High-Brightness Lighting:** Features 19x10W ultra-bright 4-in-1 LED lamp beads, offering pure, uniform color with up to 16.7 million colors.

- **Beam/Wash/Zoom Effects:** Enjoy an adjustable spot size with electronic focusing, allowing for versatile beam, wash, and zoom effects. The zoom range is from 10° (zoom out) to 55° (zoom in).

- **Dynamic Movement:** The head can rotate with an X-axis range of 540° and a Y-axis range of 270°, complemented by a 1 x 8 mirror and strobe speeds of 1-20Hz.

- **0-100% Linear Dimming:** Smooth and precise control over light intensity.

- **Optical Lens:** Designed to make the lighting wider and emit more beautiful effects.

- **Cooling Fan:** Ensures the temperature of the LED stage lighting remains in a safe operating area, preventing overheating.

- **Rotary Arm:** Fixed lens rotation to maintain lens stability during movement.

- **Control System:** Ensures long-term reliable equipment operation and strong anti-interference ability.

19LED RGBW 4-IN-1 BEAM LIGHT
Jump/Gradient/Pulse/Strobe

Figure 5: Various color and effect outputs from the 19LED RGBW 4-in-1 beam light.

Figure 6: Visual representation of the zoom capabilities, from a narrow 10° beam to a wide 55° wash.

Figure 7: Demonstrating the extensive X-axis (540°) and Y-axis (270°) movement range.

Figure 8: Key internal and external components contributing to the light's performance and durability.

CONTROL PANEL AND CONNECTIONS

The unit features an intuitive control panel and various connection ports for seamless operation:

- **LCD Display:** Shows current mode, DMX address, and other settings.
- **Control Buttons:**

    - **MENU:** Access the main menu and navigate through options.
    - **UP/DOWN:** Scroll through menu options or adjust parameter values.
    - **ENTER:** Confirm selection or enter a submenu.

- **DMX IN/OUT:** 3-pin XLR connectors for DMX signal input and output, allowing connection to a DMX controller and daisy-chaining multiple units.
- **POWER IN/OUT:** PowerCon compatible connectors for power input and daisy-chaining power to other units.
- **ON/OFF Switch:** Main power switch for the unit.

Figure 9: Detailed view of the control panel and connection ports.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your lights:

- **Cleaning:** Regularly clean the lenses and exterior casing with a soft, lint-free cloth. For stubborn dirt, use a mild cleaning solution and ensure no liquid enters the unit.
- **Fan and Vents:** Keep the cooling fan and ventilation openings clear of dust and debris to prevent overheating. Use compressed air to clear any blockages.
- **Cable Inspection:** Periodically inspect all power and DMX cables for any signs of wear, cuts, or damage. Replace damaged cables immediately.
- **Storage:** When not in use, store the lights in their original packaging or a protective case in a dry, cool environment away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your Datewink Moving Head DJ Lights, refer to the following common problems and

solutions:

Problem	Possible Cause	Solution
Light does not power on.	No power supply; power switch off; faulty cable.	Check power outlet; ensure power switch is ON; test with a different power cable.
No DMX control.	Incorrect DMX address; faulty DMX cable; incorrect DMX mode.	Verify DMX address matches controller; check DMX cable connections; ensure light is in DMX mode.
Movement is erratic or unresponsive.	Interference; motor calibration issue.	Ensure stable power supply; perform a factory reset (refer to user manual for specific steps).
Light output is dim or inconsistent.	Dust on lens; LED issue.	Clean the optical lens; if problem persists, contact customer support.

For issues not covered here, please consult the full user manual or contact Datewink customer support.

SPECIFICATIONS

Key technical specifications for the Datewink Moving Head DJ Lights:

Model Number: ZQ02103

Brand: Datewink

Light Source Type: Light Emitting Diode (LED)

LEDs: 19x10W 4-in-1 RGBW LEDs

Control Modes: Automatic, Sound-Activated, Master-Slave, DMX512 (16CH)

X-axis Movement: 540° (0.008° fine-tuning)

Y-axis Movement: 270° (0.004° fine-tuning)

Dimming: 0-100% Linear

Strobe Speed: 1-20Hz

Zoom Angle: 10° - 55°

Material: Acrylonitrile Butadiene Styrene (ABS)

Color: Black

Product Dimensions: 12.59"L x 8.81"W x 15.74"H

Item Weight: Approximately 6.45kg (14.2lbs)

Power Source: Corded Electric (AC 100-240V, 50/60Hz)

Included Components: Power cord, hook accessories

Manufacturer: Shenzhen Zhuoqiong Technology Co., Ltd.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official Datewink website. Please retain your proof of purchase for warranty claims.