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HYUDJ HYUDJ

HYUDJ 75W LED Moving Head Light Instruction Manual

Model: HYUDJ

1. Safety Information

Please read this manual carefully before operating the HYUDJ 75W LED Moving Head Light. Keep this manual for future reference. Failure to follow these instructions may result in injury or damage to the product.

1.1 General Safety Precautions

- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- 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. The light is very bright and can cause eye damage.
- Ensure proper ventilation. Do not block ventilation openings.
- Do not operate the fixture in wet or damp locations.
- Disconnect from power before cleaning or servicing.

1.2 Electrical Safety

- Verify that the voltage of the power outlet matches the voltage requirements of the fixture.
- Protect the power cord from being pinched or walked on.
- If the power cord is damaged, do not use the fixture. Contact qualified service personnel for replacement.

1.3 Placement and Environment

- Install the fixture in a location with adequate air circulation, away from heat sources.
- Maintain a minimum distance of 0.2 meters from flammable materials.
- The maximum ambient operating temperature is 40°C (104°F). Do not operate the fixture above this temperature.
- Ensure the mounting surface or structure can support the weight of the fixture.

2. Product Overview

The HYUDJ 75W LED Moving Head Light is a versatile stage lighting fixture designed for various applications,

including DJ setups, discos, parties, and events. It features a powerful 75W white LED, a 3-sided prism, and independent Gobo and Color wheels for dynamic lighting effects.



Image: The HYUDJ 75W LED Moving Head Light, showcasing its compact design and optical lens.

2.1 Key Features

- 75W white LED light source with high brightness.
- Automatic 540° Pan and 180° Tilt movement for wide coverage.
- 3-sided prism for multi-beam effects.
- Color wheel with 8 colors + half-color effect and infinite rotating speed.
- Gobo wheel with 8 gobos + shake effect and infinite rotating speed.
- Multiple control modes: DMX512, Master/Slave, Sound Active, and Auto.
- Compact and lightweight design for easy transport and setup.

3. Components and Controls

Familiarize yourself with the different parts and control interfaces of your moving head light.

3.1 Front Panel / Optical System

- **LED Lens:** Projects the light beam and gobos.
- **3-Facet Prism:** Located within the optical path, can be engaged to split the beam into multiple patterns.



Image: Close-up view of the 3-facet prism, which can be manually installed or swiveled into the LED lens path.

3.2 Rear Panel / Base Controls

- **DMX IN/OUT:** 3-pin XLR connectors for DMX signal input and output.
- **Power IN:** Power input connector.
- **Display Screen:** Digital display for menu navigation and mode selection.

- **Control Buttons (MENU, DOWN, UP, ENTER):** Used to navigate and select options on the display screen.
- **MIC:** Built-in microphone for Sound Active mode.
- **Cooling Fan:** Ensures proper heat dissipation for stable operation.



Image: Rear view of the light's base, showing the control panel with display and buttons, and the cooling fan for thermal management.

4. Setup

Follow these steps to set up your HYUDJ 75W LED Moving Head Light.

4.1 Unpacking

Carefully remove the fixture from its packaging. Inspect for any damage during transit. Retain the packaging for future transport or storage.

4.2 Mounting

The fixture can be mounted on a truss, stand, or placed on a flat surface. Ensure the mounting location is stable and secure. Use appropriate clamps and safety cables when suspending the fixture. The fixture supports tilt mounting.



Image: Product dimensions (11.02"L x 7.87"W x 5.91"H) for planning installation space.

4.3 Power Connection

Connect the provided power cable to the 'Power IN' port on the fixture and then to a suitable power outlet. Ensure the power source meets the fixture's voltage requirements (12 Volts, 75 Watts).

4.4 DMX Connection (Optional)

For DMX control, connect a 3-pin XLR DMX cable from your DMX controller's output to the 'DMX IN' port of the first 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.

5. Operating Modes

The HYUDJ 75W LED Moving Head Light offers several operating modes to suit different needs.



Image: Visual representation of the various operating modes: Master/Slave, Automatic, Sound Activated, and DMX512.

5.1 DMX512 Mode

This mode allows for precise control over all functions of the fixture using a DMX controller. Set the DMX address for each fixture using the display and control buttons. Refer to the DMX channel chart (not provided in this general manual, typically found in a detailed DMX manual) for specific channel assignments.

5.2 Master/Slave Mode

In this mode, one fixture acts as the 'Master' and controls other 'Slave' fixtures. Connect the DMX OUT of the Master to the DMX IN of the first Slave, and continue daisy-chaining. Set the Master fixture to Master mode and all other fixtures to Slave mode via the display menu.

5.3 Sound Active Mode

The fixture will react to sound and music detected by its built-in microphone. The light patterns and movements will synchronize with the beat. Adjust sensitivity via the menu if available.

5.4 Auto Mode

The fixture runs through pre-programmed internal light shows automatically. This mode is ideal for quick setup without external control.



Image: Multiple HYUDJ 75W LED Moving Head Lights projecting dynamic beams, demonstrating their capabilities in an active setting.

6. Gobo and Color Wheel

The fixture features independent Gobo and Color wheels for diverse visual effects.

6.1 Gobo Wheel

The Gobo wheel contains 8 distinct patterns (gobos) that can be projected. It also features a shake effect and infinite

rotating speed for dynamic pattern movement.



Image: Examples of the 8000K white LED gobos, showcasing various patterns that can be projected by the light.



Image: A single light beam projecting a swirling gobo pattern onto a surface, illustrating the effect.

6.2 Color Wheel

The Color wheel provides 8 vibrant colors, including a half-color effect, allowing for smooth transitions and split colors. The color wheel also supports infinite rotating speed.



Image: Demonstration of the half-color effect, showing a beam split into two distinct colors.

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your moving head light.

7.1 Cleaning

- Clean the exterior of the fixture with a soft, lint-free cloth.
- For optical components (lens, prism), use a soft cloth and a specialized lens cleaning solution. Avoid abrasive cleaners.
- Regularly clean the cooling fan and ventilation openings to prevent dust buildup, which can lead to overheating.
- Always disconnect power before cleaning.

7.2 Storage

When not in use, store the fixture in a dry, dust-free environment, preferably in its original packaging or a protective case.

8. Troubleshooting

If you encounter issues with your HYUDJ 75W LED Moving Head Light, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Fixture does not power on.	No power supply; Faulty power cable; Blown fuse.	Check power connection; Try a different power outlet; Replace power cable; Check and replace fuse if necessary.
No DMX control.	Incorrect DMX address; Faulty DMX cable; Incorrect DMX mode selected.	Verify DMX address matches controller; Check DMX cable connections; Ensure fixture is set to DMX mode.
Light output is weak or flickering.	Overheating; Dust on lens; LED issue.	Ensure proper ventilation; Clean lens; If problem persists, contact support.
Moving head not responding to movement commands.	Motor calibration issue; DMX signal problem.	Power cycle the unit; Check DMX signal integrity; Consult DMX manual for calibration steps if available.

9. Specifications

Detailed technical specifications for the HYUDJ 75W LED Moving Head Light.

Feature	Specification
Brand	HYUDJ
Model Number	HYUDJ
Light Source Type	Light Emitting Diode (LED)
Light Source Wattage	75 Watts
Brightness	1100 lumens
Voltage	12 Volts
Power Source	Corded Electric
Color	White
Shape	Round
Finish Type	Painted / Lacquered / Powder Coated
Shade Material	Plastic
Mounting Type	Tilt

Feature	Specification
Bulb Features	Sound-activated
Number of Light Sources	1
Product Dimensions (L x W x H)	11.02" x 7.87" x 5.91" (28cm x 20cm x 15cm)
Item Weight	8.08 pounds (3.67 kg)
Beam Angle	3.06 Radians
UPC	778836630004

10. Warranty and Support

For warranty information and technical support, please refer to the purchase documentation or contact HYUDJ customer service directly. Keep your proof of purchase for any warranty claims.
For further assistance, visit the official HYUDJ website or contact their support team through the contact information provided with your product.

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