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HYUDJ HY6x15W

HYUDJ HY6x15W DJ Lights Moving Head Stage Light Instruction Manual

Model: HY6x15W

Introduction

This manual provides essential information for the safe and efficient operation of your HYUDJ HY6x15W Moving Head Stage Light. Please read this manual thoroughly before installation and use, and retain it for future reference.
The HYUDJ HY6x15W is a compact and powerful moving head stage light featuring 6x15W RGBW 4-in-1 LEDs, designed for various lighting applications. It offers multiple control modes including DMX512, Master/Slave, Auto, and Sound Activated modes.

Safety Information

- **Power Supply:** Ensure the power supply voltage matches the specifications (AC90V-240V, 50-60Hz).
- **Grounding:** Always connect the unit to a grounded power outlet to prevent electric shock.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Installation:** Install the unit securely using appropriate mounting hardware (e.g., ceiling mount, pole mount). Ensure the mounting surface can support the weight of the fixture.
- **Water Exposure:** Do not expose the unit to rain or moisture.
- **Maintenance:** Disconnect power before any cleaning or maintenance. Refer servicing to qualified personnel only.
- **Eye Safety:** Avoid direct eye exposure to the light source.

Product Overview

The HYUDJ HY6x15W Moving Head Stage Light is designed for dynamic lighting effects. Key components include the LED array, control panel, DMX input/output, and power input/output.

Dimensions



Figure 1: Product Dimensions (Height: 10.5", Width: 8.7")

The fixture measures approximately 15"L x 15"W x 15"H (overall product dimensions, likely including movement range) and weighs 9 pounds. The compact design includes a cooling fan for efficient heat dissipation.

Key Components and Connections



Figure 2: Key Components and Connection Ports

- **LED Array:** Features 6x15W RGBW 4-in-1 LEDs for various color mixing and effects.

- **LCD Display:** For menu navigation and setting control modes.
- **DMX IN/OUT:** 3-pin XLR connectors for DMX512 control signal input and daisy-chaining to other fixtures.
- **Power IN/OUT:** PowerCon compatible connectors for power input and daisy-chaining power to other fixtures.

Setup

Unpacking

Carefully unpack the fixture and check for any damage during transit. The package should include:

- HYUDJ HY6x15W Moving Head Stage Light (x1)
- Power Cable (x1)
- DMX Cable (x1)
- Mounting Bracket (x1)
- Instruction Manual (this document)

Mounting

The fixture can be mounted on a ceiling or pole. Always use the provided mounting bracket and ensure all connections are secure. For overhead installations, use a safety cable (not included) as an additional safety measure.

1. Attach the mounting bracket to the fixture using the designated screws.
2. Securely fasten the bracket to a truss, ceiling, or pole using appropriate clamps or hardware (not included).
3. Ensure the fixture is stable and cannot vibrate loose.

Power Connection

Connect the power cable to the Power IN port on the fixture and then to a grounded power outlet (AC90V-240V, 50-60Hz). Multiple units can be daisy-chained for power using the Power OUT port, provided the total current draw does not exceed the circuit's capacity.

DMX Connection (Optional)

For DMX control, connect a DMX controller to the DMX IN port of the first fixture in the chain. Use the DMX OUT port to connect to the DMX IN of the next fixture, and so on. Ensure the last fixture in the chain has a DMX terminator (not included) for optimal signal integrity.



Figure 3: DMX Daisy Chain Connection

Operating Modes

The HYUDJ HY6x15W offers four primary control modes, selectable via the LCD display menu.



Figure 4: Available Operating Modes

1. DMX512 Mode

This mode allows for precise control over all fixture functions (pan, tilt, color, brightness, strobe, etc.) using an external DMX controller. Set the DMX address for each fixture via the LCD menu. Refer to the DMX Channel Chart section for detailed channel assignments.

2. Master/Slave Mode

Connect multiple fixtures via DMX cables. Set one fixture as the "Master" and the others as "Slave." The slave units will mirror the master unit's movements and effects, creating synchronized lighting displays without a DMX controller.

3. Auto Mode (Work Auto)

The fixture will run through a series of pre-programmed internal lighting sequences automatically. This mode is suitable for standalone operation without external control.

4. Sound Activated Mode

The built-in microphone detects ambient sound, and the light effects will change and move in sync with the music or audio. Sensitivity can often be adjusted via the menu.

DMX512 Control

The HYUDJ HY6x15W utilizes DMX512 protocol for advanced control. Each fixture requires a unique DMX starting address. The fixture supports 15 DMX channels.

Setting DMX Address

Use the LCD display and menu buttons (MENU, UP, DOWN, ENTER) to navigate to the DMX address setting. Adjust the address as required. Ensure no two fixtures have the same starting address in a DMX chain.

DMX Channel Chart (Example - typical 15-channel setup)

Channel	Function	Value Range (0-255)	Description
1	Pan	0-255	0-540 degrees Pan movement
2	Pan Fine	0-255	Fine adjustment for Pan
3	Tilt	0-255	0-270 degrees Tilt movement
4	Tilt Fine	0-255	Fine adjustment for Tilt
5	Pan/Tilt Speed	0-255	Adjust speed of Pan/Tilt movement (Fast to Slow)
6	Dimmer	0-255	0-100% brightness control
7	Strobe	0-255	0 = No strobe, 1-255 = Strobe speed (Slow to Fast)
8	Red LED	0-255	Red intensity (0-100%)
9	Green LED	0-255	Green intensity (0-100%)
10	Blue LED	0-255	Blue intensity (0-100%)
11	White LED	0-255	White intensity (0-100%)

Channel	Function	Value Range (0-255)	Description
12	Color Macro	0-255	Pre-programmed color combinations
13	Effect Macro	0-255	Pre-programmed movement/color effects
14	Sound Sensitivity	0-255	Adjust sensitivity for Sound Activated mode
15	Reset / Function	0-255	Fixture reset or special functions

Note: This is a typical DMX channel assignment. Specific functions and values may vary slightly. Refer to the product's internal DMX chart if available on the device's LCD.

Maintenance

Cleaning

Regular cleaning helps maintain optimal performance and extends the lifespan of the fixture.

- Disconnect power before cleaning.
- Use a soft, lint-free cloth to wipe the exterior of the fixture.
- For optical components (lenses), use a specialized lens cleaning solution and cloth to avoid scratches.
- Periodically clean the cooling fan and ventilation openings to ensure proper airflow.

Storage

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

Troubleshooting

Problem	Possible Cause	Solution
Fixture does not power on	No power supply; Faulty cable; Blown fuse	Check power connection; Test power cable; Replace fuse (if accessible and safe)
No DMX control	Incorrect DMX address; Faulty DMX cable; No DMX terminator; DMX controller issue	Verify DMX address; Check DMX cables; Add DMX terminator to last fixture; Check DMX controller output
Fixture not responding in Master/Slave	Incorrect mode setting; Faulty DMX cable between units	Ensure one unit is Master and others are Slave; Check DMX connections
Light output is dim or inconsistent	Overheating; Dirty lenses; LED failure	Ensure proper ventilation; Clean lenses; Contact support if LEDs are failing
Pan/Tilt movement erratic	Obstruction; Internal fault	Check for physical obstructions; Perform a fixture reset; Contact support

Specifications

Feature	Detail
Model Number	HY6x15W
Light Source	6 x 15W RGBW 4-in-1 LEDs
Power Supply	AC90V-240V, 50-60Hz
Power Consumption	Approx. 90W (6 LEDs * 15W each)
Beam Angle	4 Degrees
Pan Movement	540 Degrees
Tilt Movement	270 Degrees
Control Modes	DMX512, Master/Slave, Auto Mode, Sound Activated
DMX Channels	15 Channels
Material	Aluminum, Engineering Plastic
Dimensions (L x W x H)	15" x 15" x 15" (Overall)
Item Weight	9 Pounds
Mounting	Ceiling Mount, Pole Mount

Warranty and Support

The HYUDJ HY6x15W Moving Head Stage Light is designed with a high-quality cooling system to ensure longevity. For any questions or issues, please contact HYUDJ customer support.

Contact Information: Refer to the after-sales mailbox provided with your purchase documentation. Our support team aims to respond within 24 hours to assist with troubleshooting and resolutions.

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