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HYUDJ HYU-7x12-1

HYUDJ LED Par Light User Manual

Model: HYU-7x12-1

1. Introduction

Thank you for purchasing the HYUDJ LED Par Light. This professional stage lighting fixture is equipped with 7x12W 4-in-1 RGBW LEDs, offering a wide range of vibrant colors and dynamic lighting effects. Designed for ease of use and versatility, it is suitable for various applications including stage performances, parties, clubs, discos, weddings, and other events. Please read this manual thoroughly before operation to ensure proper setup, safe use, and optimal performance.

2. Safety Information

- Always connect the fixture to a grounded circuit to avoid the risk of electrocution.
- Ensure the power supply voltage matches the specified voltage for the unit (AC90V-240V, 50-60Hz).
- 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 excessive heat.
- Ensure proper ventilation around the unit to prevent overheating.
- Handle the unit with care. The plastic housing, while durable, can be damaged by drops or impacts.

3. Package Contents

Upon opening the package, please verify that all items listed below are included:

- 1 x HYUDJ LED Par Light
- 2 x Mounting Brackets
- 2 x Screws
- 1 x 1.2m US Standard Plug Cable
- 1 x English User Manual



Figure 3.1: HYUDJ LED Par Light with mounting brackets, screws, and power cable.

4. Product Overview

4.1 Features

- **4-in-1 RGBW LED:** Provides a wide spectrum of colors and dynamic lighting effects.
- **Multiple Control Modes:** DMX512, Master/Slave, Sound Active, and Auto Work modes.
- **Lighting Effects:** Color jumping, color gradual change, static color, and 1-30FPS strobe effect.
- **User-Friendly Interface:** Advanced LED display with a 4-button control panel for easy navigation.
- **Built-in Programs:** Automated programs and color macros available via DMX.
- **Durable Construction:** Engineering plastic housing with a honeycomb design for simple and elegant appearance.
- **Flexible Installation:** Includes mounting screws and two stable brackets for hanging or placing on flat surfaces.

4.2 Components



Figure 4.1: Product dimensions and rear panel layout, showing DMX In/Out, Power In/Out, Display Screen, and Operation Keys.

- **LED Array:** Front-facing 7x12W RGBW LEDs.
- **Control Panel:** Located on the rear, includes a digital display and four operation keys (MENU, UP, DOWN, ENTER).
- **DMX Ports:** DMX In and DMX Out (3-pin XLR) for DMX512 control.
- **Power Ports:** Power In and Power Out (IEC) for daisy-chaining power.
- **Mounting Bracket:** Adjustable bracket for versatile positioning.

5. Setup

5.1 Mounting

The HYUDJ LED Par Light can be mounted in various ways:

- **Floor Placement:** Place the unit on a stable, flat surface using the integrated brackets as a stand.
- **Truss Mounting:** Attach the mounting brackets to a compatible truss clamp (not included) and secure it to a truss

system. Ensure the clamp is rated for the weight of the fixture.

- **Wall/Ceiling Mounting:** Use appropriate hardware (not included) to securely fasten the brackets to a wall or ceiling. Always ensure the mounting surface can support the fixture's weight.

Important: *Always use a safety cable when mounting the fixture overhead.*

5.2 Power Connection

Connect the supplied 1.2m US standard plug cable to the Power In port on the rear of the fixture and then to a suitable power outlet (AC90V-240V, 50-60Hz). Multiple units can be daisy-chained using the Power Out port for convenience, but ensure the total current draw does not exceed the circuit's capacity.

5.3 DMX Connection (Optional)

If using DMX control, connect a 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. It is recommended to use a DMX terminator on the last fixture in the chain for stable signal transmission.

6. Operating Modes

The HYUDJ LED Par Light offers several operating modes, selectable via the control panel on the rear of the unit.

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Video 6.1: Demonstration of various lighting effects and color changes of the HYUDJ LED Par Light.

6.1 Control Panel Navigation

- **MENU:** Press to cycle through the main menu options.
- **UP/DOWN:** Use to navigate within menu options or adjust values.
- **ENTER:** Confirm selection or save changes.

6.2 DMX512 Control Mode

This mode allows external control of the fixture using a DMX controller. The unit supports 4 or 8 DMX channels. Refer to the detailed DMX channel chart in the included English User Manual for specific functions and values.

- Set the DMX address using the control panel.
- Connect the DMX cable as described in Section 5.3.
- Control various parameters like color, intensity, and strobe via your DMX controller.

6.3 Master/Slave Mode

In this mode, multiple fixtures can be synchronized without a DMX controller. One unit acts as the Master, controlling all connected Slave units.

- Set the first fixture to Master mode via the control panel.
- Set all other connected fixtures to Slave mode.
- The Master unit's settings will be replicated across all Slave units.

6.4 Sound Active Mode

The fixture responds to sound and music, creating dynamic light shows synchronized with audio input.

- Select Sound Active mode from the control panel.
- The built-in microphone detects ambient sound, and the lights will react accordingly.

6.5 Work Auto Mode

The fixture runs through pre-programmed automated light shows without external control or sound input.

- Select Work Auto mode from the control panel.
- The unit will cycle through various built-in programs, including color jumping, gradual changes, and strobe effects.

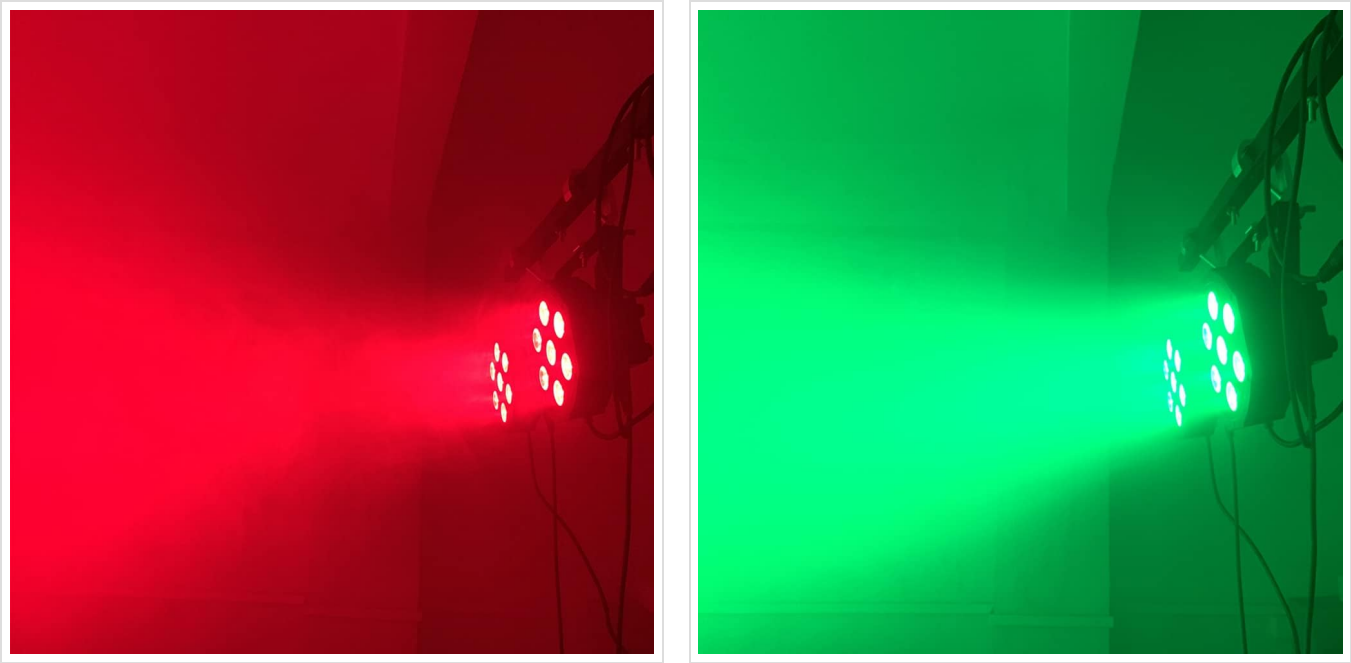


Figure 6.2: Red and Green light beams from the HYUDJ LED Par Light.

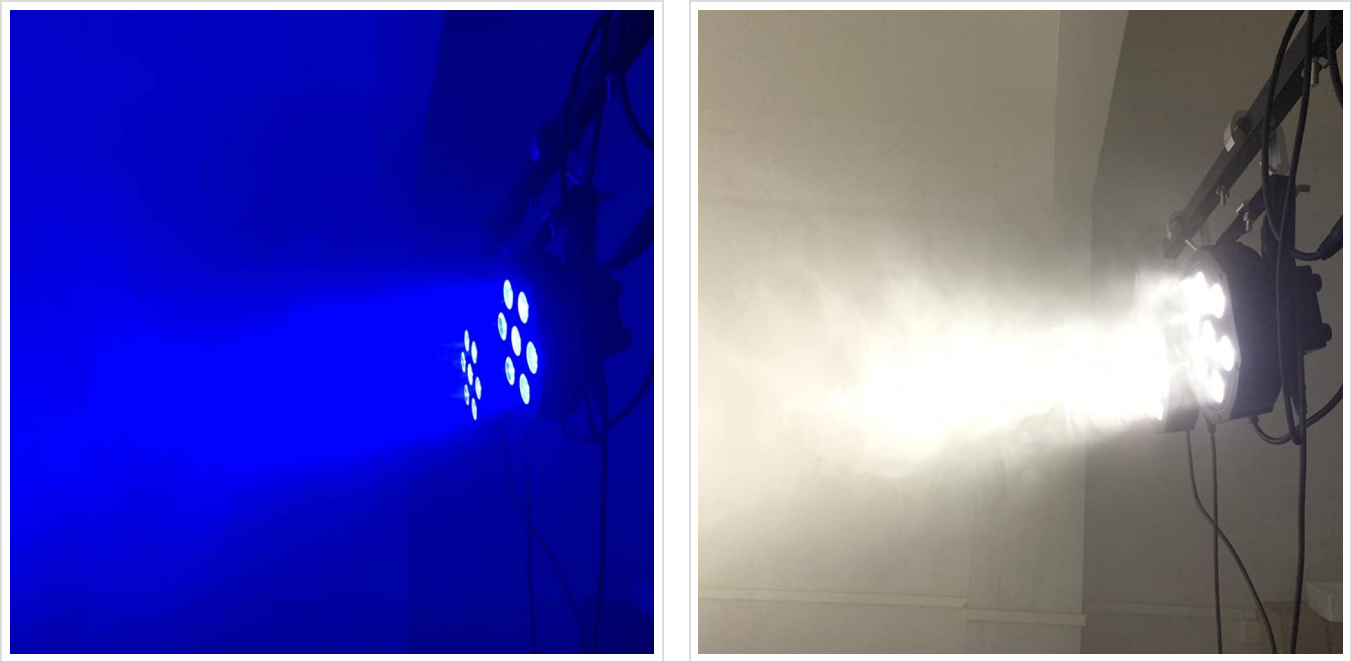


Figure 6.3: Blue and White light beams from the HYUDJ LED Par Light.

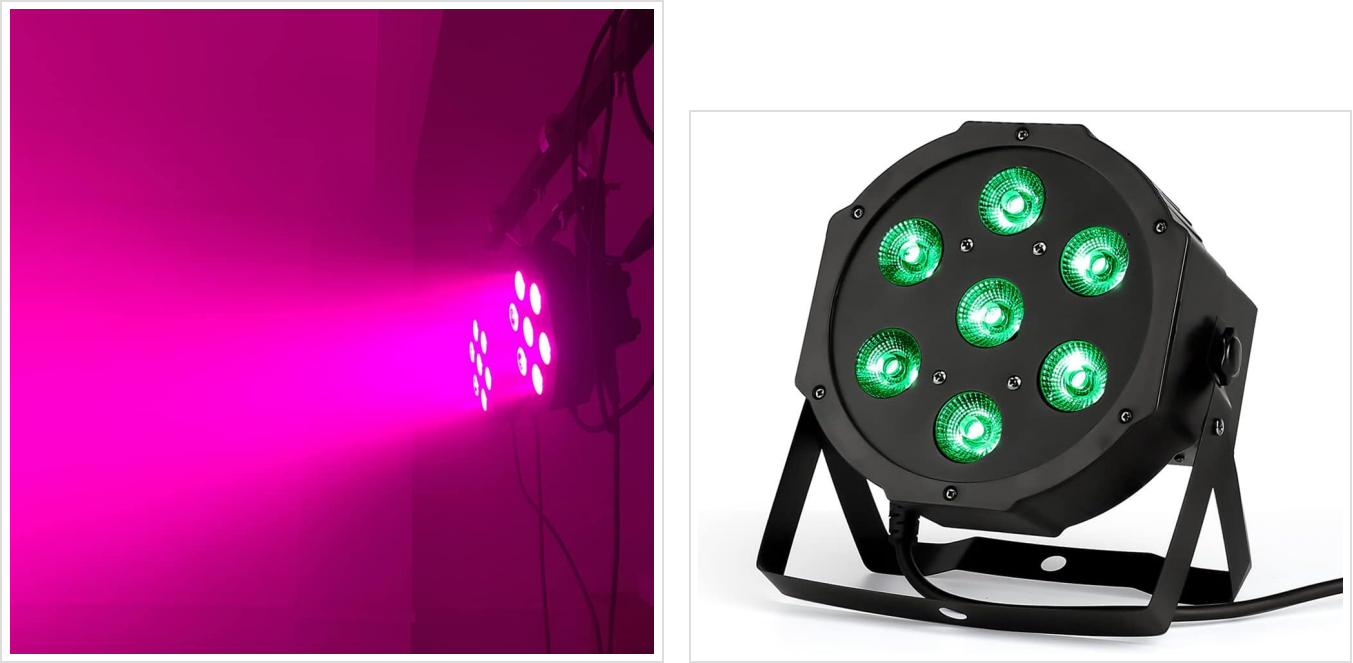


Figure 6.4: Purple light beam and a close-up of the light displaying green.

7. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your LED Par Light.

- **Cleaning:** Periodically clean the lens and housing with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Ventilation:** Ensure the cooling fan and vents are free from dust and debris to prevent overheating.
- **Cable Inspection:** Regularly check power and DMX cables for any signs of damage or wear. Replace damaged cables immediately.
- **Storage:** When not in use, store the fixture in a dry, dust-free environment.

8. Troubleshooting

If you encounter issues with your HYUDJ LED Par Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not power on.	No power supply; faulty cable; internal issue.	Check power connection and outlet. Test with a different cable. If problem persists, contact customer service.
No DMX control.	Incorrect DMX address; faulty DMX cable; no DMX signal; DMX terminator missing.	Verify DMX address. Check DMX cable connections. Ensure DMX controller is sending signal. Use a DMX terminator on the last fixture.
Lights are not synchronized in Master/Slave mode.	Incorrect mode setting; faulty DMX cable between units.	Ensure one unit is set to Master and others to Slave. Check DMX connections between units.
Light flickers or behaves erratically.	Unstable power; DMX signal interference; overheating.	Ensure stable power supply. Check DMX connections and cable quality. Ensure proper ventilation.

Problem	Possible Cause	Solution
Fan is noisy.	Normal operation; dust accumulation.	Some fan noise is normal. Clean vents if excessive dust is present. If noise is unusual or very loud, contact customer service.

If you encounter a problem not listed here or if the suggested solutions do not resolve the issue, please contact HYUDJ customer service for professional guidance.

9. Specifications

Specification	Value
Light Source	RGBW LED 4in1 (7x12W)
Control Channels	4/8 DMX Channels
Beam Angle	40 degrees
Control Mode	DMX512, Master/Slave, Sound Active, Work Auto
Power Supply	AC90V-240V, 50-60Hz
Product Dimensions (L x W x H)	7.87" x 4.72" x 7.87" (22cm x 11.2cm x 19.5cm)
Item Weight	2.14 pounds (1.1kg)
Material	Plastic
Color	Black
Maximum Compatible Light Source Wattage	84 Watts

10. Warranty and Support

HYUDJ offers the following service guarantee for your LED Par Light:

- **30-Day Refund/Replacement:** You can refund or replace the product within 30 days of purchase due to quality issues.
- **One-Year Warranty:** The product is covered by a one-year warranty from the date of purchase.

For any questions, technical assistance, or warranty claims, please contact HYUDJ customer service. Our professional team is ready to provide support and guidance.

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