ENDYSHOW PL-P18-RGBW

ENDYSHOW PL-P18-RGBW LED Par Lights DMX User Manual

Model: PL-P18-RGBW

1. Introduction

Thank you for choosing the ENDYSHOW PL-P18-RGBW LED Par Lights. This manual provides essential information for the safe and effective operation of your new stage lighting fixtures. These lights feature 18x5W RGBW 4-in-1 LED beads, offering a total power of 90W per unit, and support various control modes including DMX512, Auto, Sound Activated, and Remote Control.



Figure 1.1: ENDYSHOW PL-P18-RGBW LED Par Lights (2-pack) with remote controls.

2. Safety Instructions

- Read all instructions carefully before use.
- Keep this manual for future reference.
- Do not open the housing; there are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Ensure the power supply voltage matches the rating specified on the unit.
- Disconnect from power before cleaning or performing any maintenance.
- Avoid direct eye exposure to the light source.
- Ensure proper ventilation to prevent overheating. Do not block cooling vents.
- Install the fixture in a stable location, away from flammable materials.
- Use safety cables when hanging the unit overhead.

3. Package Contents

The package typically includes the following items:

- ENDYSHOW PL-P18-RGBW LED Par Light(s)
- Remote Control(s)
- Adjustable Mounting Bracket(s)
- Power Cable(s)
- Instruction Manual

4. Product Overview

The ENDYSHOW PL-P18-RGBW LED Par Light features a robust design with multiple control interfaces.

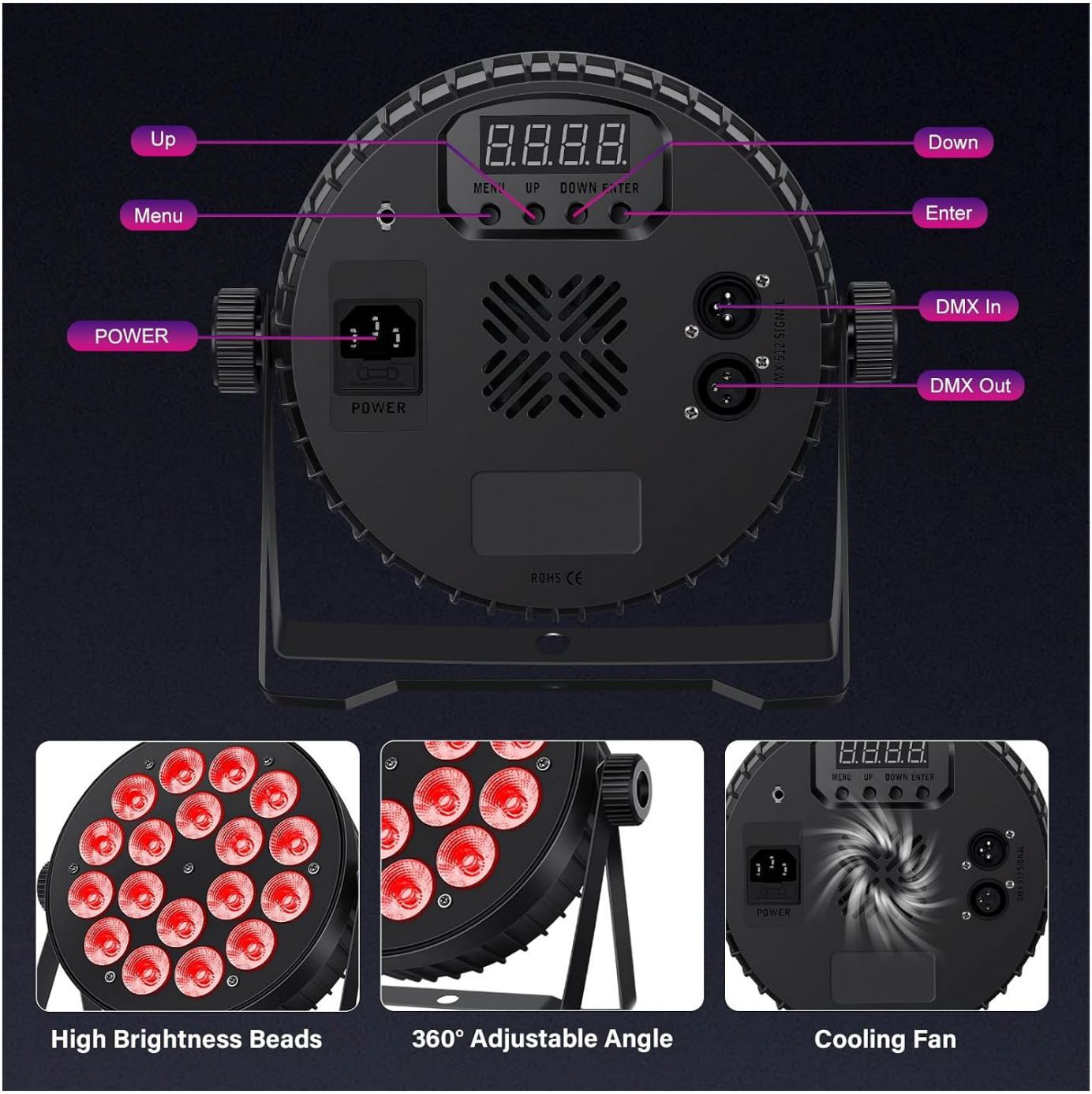


Figure 4.1: Rear Panel and Components

Components:

- **High Brightness LED Beads:** 18x5W RGBW 4-in-1 LEDs for vibrant color mixing.
- **Adjustable Angle Bracket:** Allows for 360° positioning for floor, wall, or truss mounting.
- **Cooling Fan:** Integrated fan for thermal management and extended lifespan.
- **LED Display:** Digital display for menu navigation and mode selection.
- **Control Buttons:** Menu, Up, Down, Enter buttons for manual operation.
- **Power Input:** Standard AC power connection.
- **DMX In/Out:** 3-pin XLR connectors for DMX512 control.

5. Setup

5.1 Mounting

The fixture can be placed on a flat surface, mounted on a wall, or hung from a truss using the adjustable brackets. Ensure the mounting surface or structure can support the weight of the fixture(s).

- **Floor Placement:** Position the light on a stable, level surface. Adjust the bracket to achieve the desired angle.
- **Wall Mounting:** Securely attach the bracket to a wall using appropriate screws and anchors. Adjust the light's angle.
- **Truss Mounting:** Use a suitable clamp (not included) to attach the bracket to a lighting truss. Always use a safety cable.

5.2 Power Connection

Connect the provided power cable to the power input on the rear of the fixture and then to a compatible AC power outlet (AC110-240V, 50/60Hz).

6. Operating Modes

The ENDYSHOW PL-P18-RGBW LED Par Light offers multiple control modes for versatile lighting effects.



Figure 6.1: Examples of Lighting Effects

- **DMX512 Mode:** For professional control using a DMX controller. Allows precise control over color, dimming, and effects.
- **Auto Play Mode:** The light cycles through pre-programmed patterns and color changes automatically.
- **Sound Activated Mode:** The light reacts to ambient sound or music, changing patterns and colors in sync with the beat. Sensitivity can often be adjusted.



Figure 6.2: Sound Activated Mode

- **Remote Control Mode:** Use the included wireless remote to select colors, modes, and adjust settings.
- **Master-Slave Mode:** Link multiple fixtures together. One unit acts as the master, controlling all other slave units to synchronize effects.
- **Color Combination Mode:** Manually select and mix RGBW colors.
- **Color Changing Mode:** Smooth transitions between different colors.
- **Strobe Mode:** Rapid flashing effect.
- **Jump Mode:** Instantaneous color changes.
- **Fade Mode:** Gradual fading between colors.
- **Pulse Mode:** Rhythmic pulsing of light.
- **Static Mode:** Display a single, constant color.

7. Remote Control

The included wireless remote control provides convenient access to various functions.

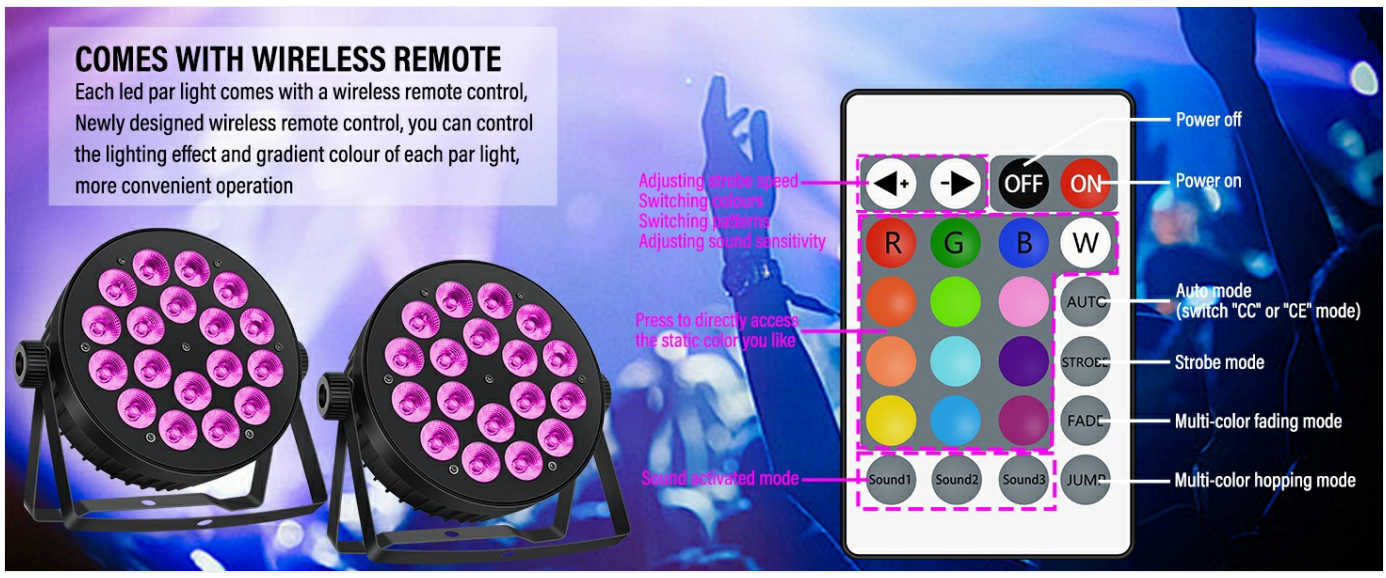


Figure 7.1: Remote Control Functions

Remote Button Functions:

- **ON/OFF:** Power on/off the light.
- **+/-:** Adjust brightness or speed of effects.
- **R, G, B, W:** Select Red, Green, Blue, White static colors.
- **Color Buttons:** Select various pre-mixed static colors.
- **AUTO:** Activates Auto Play mode.

- **STROBE:** Activates Strobe mode.
- **FADE:** Activates Fade mode.
- **JUMP:** Activates Jump mode.
- **SOUND1, SOUND2, SOUND3:** Activates Sound Activated mode with different sensitivities or patterns.

8. DMX Control

For advanced control, connect the fixture to a DMX512 controller. The light supports 2 or 7 DMX channels, allowing for detailed programming of colors, dimming, and effects.



Figure 8.1: DMX and Remote Control Options

8.1 DMX Channel Modes

Refer to the DMX channel chart in the full product manual (if provided separately) for specific channel assignments and functions. Typically, channels control:

- Master Dimmer
- Red, Green, Blue, White Intensity
- Strobe Speed
- Mode Selection (Auto, Sound, Color Jump, Color Fade)

8.2 DMX Connection

1. Connect a DMX cable from the DMX OUT of your controller to the DMX IN of the first fixture.
2. Connect a DMX cable from the DMX OUT of the first fixture to the DMX IN of the next fixture in the chain.
3. Set the DMX address for each fixture using the onboard LED display and control buttons. Ensure each fixture has a unique address.

9. Maintenance

Regular maintenance ensures optimal performance and longevity of your LED Par Lights.

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

10. Troubleshooting

If you encounter issues, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not power on	No power supply; Faulty cable; Blown fuse	Check power connection; Replace cable; Check/replace fuse (if accessible by qualified personnel)
No DMX control	Incorrect DMX address; Faulty DMX cable; Incorrect DMX mode selected	Verify DMX address settings; Test DMX cables; Ensure fixture is in DMX mode
Remote control not working	Battery depleted; Obstruction; Out of range	Replace remote battery; Remove obstructions; Operate within effective range
Light overheats	Blocked ventilation; Insufficient airflow	Clear vents; Ensure adequate space around the fixture for airflow
"UALT" error on display	Unknown error state, possibly internal fault	Try power cycling the unit. If persistent, contact customer support.

11. Specifications

Technical specifications for the ENDYSHOW PL-P18-RGBW LED Par Light.

Figure 11.1: Technical Parameters and Dimensions

Feature	Detail
Model Number	PL-P18-RGBW
Light Source	18 x 5W RGBW 4-in-1 LEDs
Total Power	90W
Voltage	AC110-240V, 50/60Hz
Color	RGBW (Red, Green, Blue, White)
Beam Angle	25°
Control Modes	DMX512, Auto, Sound Activation, Master/Slave, Remote Control
DMX Channels	2/7 CH
Dimmer	0-100% Linear Dimming
Lifespan	More than 5000 hours
Working Temperature	-20°C to 40°C
Material	Metal
Product Dimensions	10.4"L x 2.95"W x 8.7"H (26.4cm L x 7.5cm W x 22.1cm H)
Item Weight	5.57 pounds (2.53 kg)

12. Warranty and Support

For warranty information or technical support, please contact ENDYSHOW customer service through your purchase platform or the official ENDYSHOW website. Keep your purchase receipt as proof of purchase.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question