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› [YUERLT 200W LED Moving Head Beam Spot Light \(Model YRRDS200WLBM03\) User Manual](#)

YUERLT YRRDS200WLBM03

YUERLT 200W LED Moving Head Beam Spot Light (Model YRRDS200WLBM03) User Manual

Comprehensive Instructions for Setup, Operation, and Maintenance

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your YUERLT 200W LED Moving Head Beam Spot Light, Model YRRDS200WLBM03. Please read this manual thoroughly before installation and use to ensure proper functionality and to prevent damage.

2. SAFETY INFORMATION

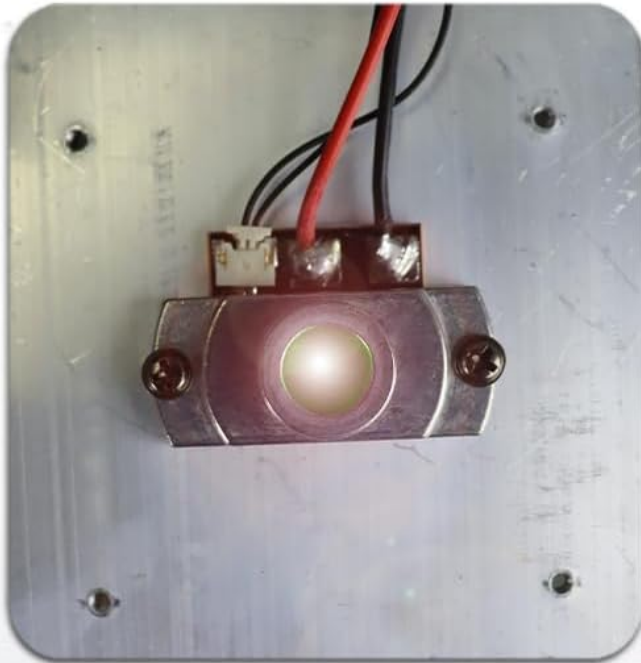
WARNING: To prevent fire or shock hazard, do not expose this unit to rain or moisture.

- Always connect the unit to a grounded power outlet.
- Ensure the voltage of the power source matches the unit's requirements (AC110-220V).
- 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.
- Ensure adequate ventilation around the unit to prevent overheating.
- Mount the unit securely using appropriate hardware and safety cables.
- Disconnect from power before cleaning or servicing.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x YUERLT 200W LED Moving Head Beam Spot Light
- 1 x Power Cord
- 1 x Signal Cable (XLR)
- 1 x Mounting Bracket
- 2 x Bracket Screws
- 1 x Instruction Manual (this document)



Rated Power 200W LED Chip,

**18-Prism Lens
Colorful Effect Lens**

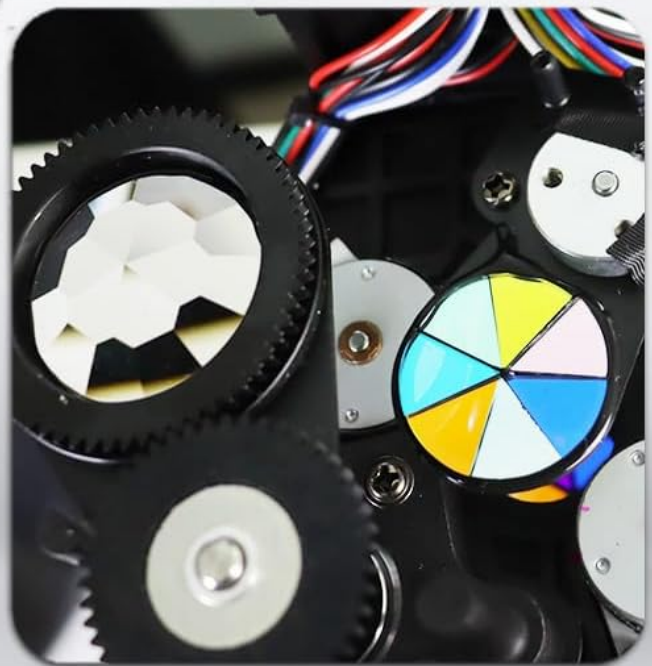


Figure 3.1: Included accessories and the moving head light.

4. PRODUCT OVERVIEW

The YUERLT 200W LED Moving Head Beam Spot Light is a versatile lighting fixture designed for various applications, offering powerful illumination and dynamic effects.

4.1 Key Features

- **Powerful Lighting:** Equipped with a 200W LED main beam and 20 RGB SMD LEDs, providing intense illumination with 7 colors plus white for dynamic lighting effects.
- **Versatile Control:** Supports multiple operation modes including DMX512 (15 channels), voice activation, master-slave, and auto-running for flexible control options.
- **Precise Movement:** Achieves 540° X-axis rotation with 2.11° steps and 180° Y-axis rotation with 1.05° steps for smooth, accurate positioning.
- **Professional Effects:** Features 18 rotating prisms (6+12) and 7 gobo patterns plus white lights, with strobe capabilities from 1-25Hz for stunning displays.
- **Durable Construction:** Built with aluminum alloy and plastic housing, featuring standard 3-pin XLR

connections, and operating on universal AC110-220V power.



Figure 4.1: The YUERLT 200W LED Moving Head Beam Spot Light.

Light source

- **1 100W white light bulb**
- **16 RGB SMD LED chips**



Figure 4.2: Overview of control modes and features.

Product Size:



Figure 4.3: Internal components showing the 200W LED chip and 18-prism lens.

5. SETUP

5.1 Mounting the Fixture

The YUERLT Moving Head Light can be mounted in various positions (e.g., truss, ceiling, or floor) using the provided mounting bracket. Ensure the mounting surface or structure can support the weight of the fixture and any additional equipment.

1. Attach the mounting bracket to the base of the fixture using the provided screws.
2. Secure the fixture to a truss or other suitable structure using appropriate clamps (not included) and the mounting bracket.
3. Always use a safety cable (not included) as a secondary attachment to prevent accidental drops.
4. Ensure the fixture is positioned to allow for full range of motion and adequate ventilation.

5.2 Power Connection

Connect the provided power cord to the power input on the fixture and then to a grounded AC110-220V power

outlet.

5.3 DMX Connection (Optional)

For DMX control, connect a 3-pin XLR DMX cable from your DMX controller's output to the DMX IN port on the fixture. If connecting multiple fixtures, daisy-chain them by connecting the DMX OUT of the first fixture to the DMX IN of the next, and so on.

6. OPERATING INSTRUCTIONS

The fixture features an LED display and control buttons for mode selection and parameter adjustment.

6.1 Control Panel Overview

The control panel typically includes buttons for MENU, UP, DOWN, and ENTER to navigate and select options on the LED display.

6.2 Operation Modes

- **DMX512 Mode:** Allows external control via a DMX controller. Set the DMX address on the fixture using the control panel. This fixture uses 15 DMX channels. Refer to the DMX Channel Chart (not provided in this manual, typically found in a separate DMX protocol sheet) for specific channel functions.
- **Auto-Running Mode:** The fixture will cycle through pre-programmed light shows automatically. Select this mode via the control panel.
- **Sound Activation Mode:** The light effects will react to ambient sound. Ensure the built-in microphone is not obstructed. Select this mode via the control panel.
- **Master-Slave Mode:** Connect multiple fixtures via DMX cables. Set one fixture as the "Master" and others as "Slave." The slave units will mimic the master unit's actions.

6.3 Light Effects and Movement

The fixture offers a range of effects:

- **Color Mixing:** 7 colors plus white, with smooth transitions.
- **Gobo Patterns:** 7 distinct gobo patterns plus an open white option.
- **Prism Effects:** 18 rotating prisms (6+12) for splitting the beam into multiple patterns.
- **Strobe:** Adjustable strobe speed from 1-25Hz.
- **Pan/Tilt Movement:** 540° Pan (X-axis) and 180° Tilt (Y-axis) for wide coverage.
- **Halo Effect:** The outer ring of the lens features an RGB halo effect.



Figure 6.1: Examples of diverse light patterns and color projections.

**8 Color
Color Rotating Speed
Infinite Rotating**



Figure 6.2: Illustration of the 7 gobo patterns and white light option.

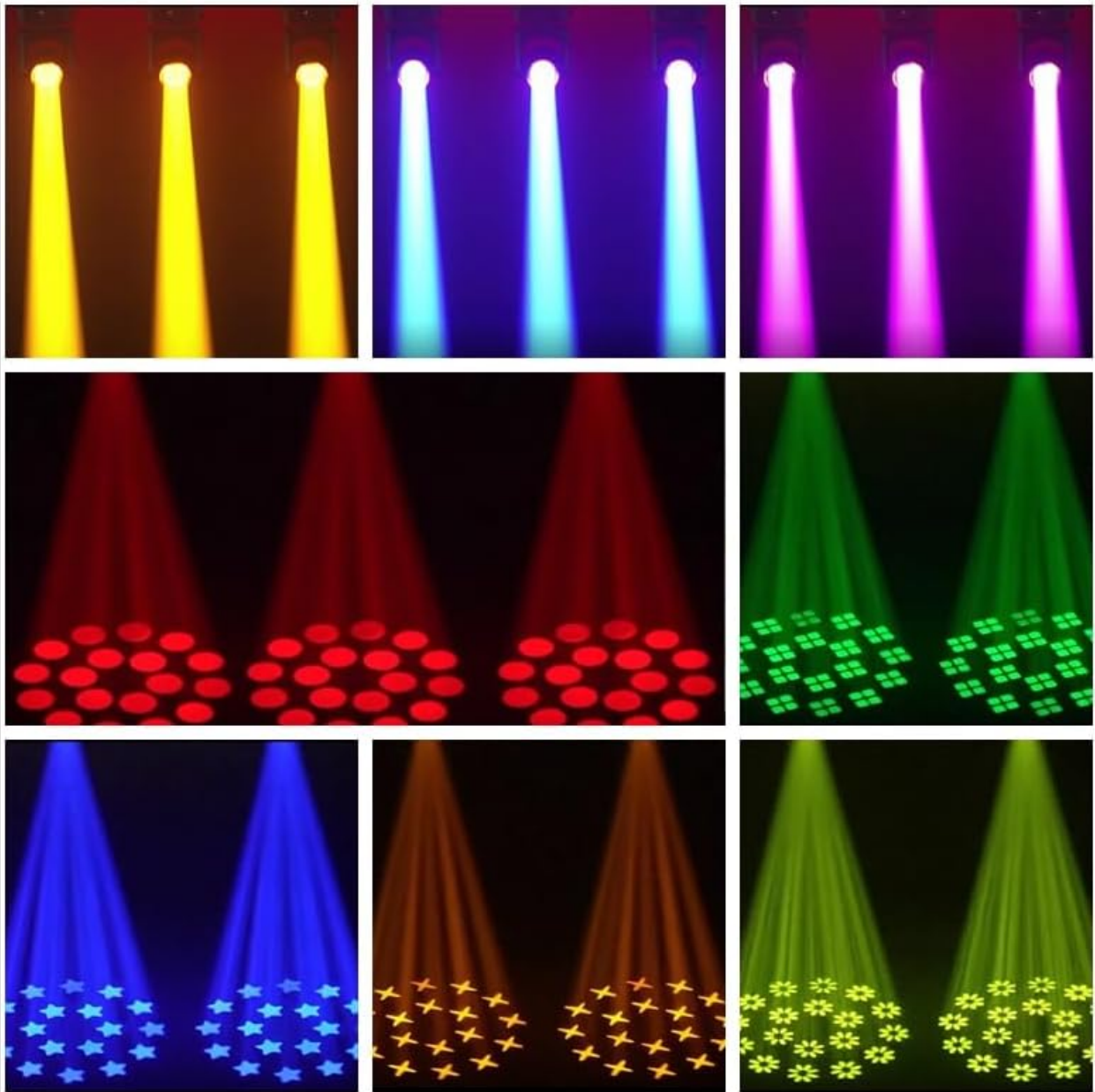


Figure 6.3: Demonstration of the 8 color options and continuous rotation capability.

6.4 Video Demonstration of Halo Effect

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Video 6.1: This video demonstrates the dynamic halo effect of the YUERLT 200W LED Moving Head Beam Spot Light, showcasing various color changes around the main lens. The halo effect adds an additional layer of visual interest to the light's output.

6.5 Video Demonstration of Beam and Spot Effects

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Video 6.2: This video illustrates the beam and spot capabilities of the YUERLT 200W LED Moving Head Light, including the effects of the 18 rotating prisms. It shows the light projecting various patterns and colors, demonstrating its versatility for stage and event lighting.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your fixture.

- **Cleaning:** Periodically clean the lens and exterior housing with a soft, lint-free cloth. For stubborn dirt, use a mild glass cleaner. Ensure the unit is powered off and unplugged before cleaning.

- **Inspection:** Regularly check power cables, DMX cables, and mounting hardware for any signs of wear or damage. Replace damaged components immediately.
- **Ventilation:** Ensure ventilation openings are clear of dust and debris to prevent overheating.
- **Storage:** When not in use for extended periods, store the fixture in a dry, dust-free environment.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fixture does not power on.	No power supply; faulty power cable; blown fuse.	Check power connection; test power cable; replace fuse (if accessible and safe to do so).
No DMX control.	Incorrect DMX address; faulty DMX cable; DMX controller issue.	Verify DMX address setting; test DMX cables; check DMX controller output.
Light output is dim or inconsistent.	Overheating; dirty lens; LED issue.	Ensure proper ventilation; clean the lens; contact support if LED issue persists.
Motor movement is erratic or non-responsive.	Mechanical obstruction; DMX signal issue; internal fault.	Check for obstructions; verify DMX signal; power cycle the unit.

If the problem persists after attempting these solutions, please contact YUERLT customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	YUERLT
Model Number	YRRDS200WLBM03
Light Source	200W LED (Main Beam), 20 RGB SMD LEDs (Halo Effect)
Colors	7 Colors + White
Gobo Patterns	7 Gobos + White
Prism	18 Rotating Prisms (6+12)
Strobe Rate	1-25Hz
Pan Movement	540° (2.11° steps)
Tilt Movement	180° (1.05° steps)
Control Modes	DMX512 (15 channels), Voice Activation, Master-Slave, Auto-Running
DMX Channels	15 Channels
Power Supply	AC110-220V
Material	Aluminum Alloy, Plastic Housing
Connections	3-pin XLR (DMX In/Out)

Feature	Detail
Product Dimensions	20.8"L x 13"W x 7.1"H (approx. 52.8cm L x 33cm W x 18cm H)
Item Weight	3.9 Pounds (approx. 1.77 kg)



Figure 9.1: Product dimensions in centimeters.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact YUERLT customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

For additional resources, you may visit the [YUERLT Store on Amazon](#).

