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YeeSite YS-144led

YeeSite 90LED RGB Stage Pixel Light Bar

User Manual

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1. Introduction

The YeeSite 90LED RGB Stage Pixel Light Bar is a versatile lighting fixture designed for various events, stages, dance clubs, and parties. This manual provides essential information for the safe and effective use of your new light bar, including setup, operation, maintenance, and troubleshooting.
This product features tri-color RGB SMD LEDs, offering vibrant and dynamic lighting effects. Its robust design and advanced control options make it suitable for both temporary setups and permanent installations.

Image 1.1: Two YeeSite 90LED RGB Stage Pixel Light Bars.

2. Safety Information

Please read and understand all safety instructions before installing or operating this device. Keep this manual for future reference.

- **Electrical Safety:** Ensure the power supply voltage matches the specified requirements (110 Volts). Always disconnect the power cable before cleaning or servicing the unit.
- **Placement:** Install the fixture in a well-ventilated area, away from heat sources, moisture, or flammable materials. Ensure stable mounting to prevent accidental falls.
- **Handling:** Do not look directly into the light source when the fixture is operating, as this may cause eye strain or damage. Avoid exposing the unit to extreme temperatures or direct sunlight.
- **Maintenance:** Only qualified personnel should perform repairs. Unauthorized modifications may result in damage or injury.
- **Cables:** Use only approved power and DMX cables. Ensure cables are not pinched or damaged.

3. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 2 x 90LEDs Pixel Light Bar
- 2 x Power Cable
- 4 x Bracket
- 4 x Screw
- 4 x Gasket
- 1 x User Manual (this document)

Image 3.1: Included components in the package.

4. Product Features

The YeeSite 90LED RGB Stage Pixel Light Bar is engineered with advanced features for dynamic lighting applications:

- **Versatile Pixel Light Bar:** Equipped with tri-color RGB SMD LEDs, this light bar offers a wide spectrum of colors and effects, suitable for various event types.
- **Advanced Chase Effects:** Features 30 independently controllable zones, allowing for intricate pixel mapping and dynamic chase patterns. Built-in effect programs with adjustable speed (0-100%) provide creative lighting possibilities.
- **Seamless Splicing:** Designed for end-to-end connection, multiple fixtures can be snapped together to create a continuous, perfectly spaced LED run without visible gaps.
- **Excellent Heat Dissipation:** Constructed with an all-aluminum structure, ensuring efficient heat dissipation without the need for noisy cooling fans, resulting in silent operation.
- **DMX Control:** Supports RDM and DMX512 control protocols with 5 DMX channel modes (3/5/8/90/94), enabling remote adjustment of critical fixture settings.
- **Locking Power Connections:** Features upgraded locking power In/Out connections for daisy-chaining up to 6 units, simplifying power distribution and ensuring secure connections.

Image 4.1: Illustrates the RGB color mixing and pixel control zones.

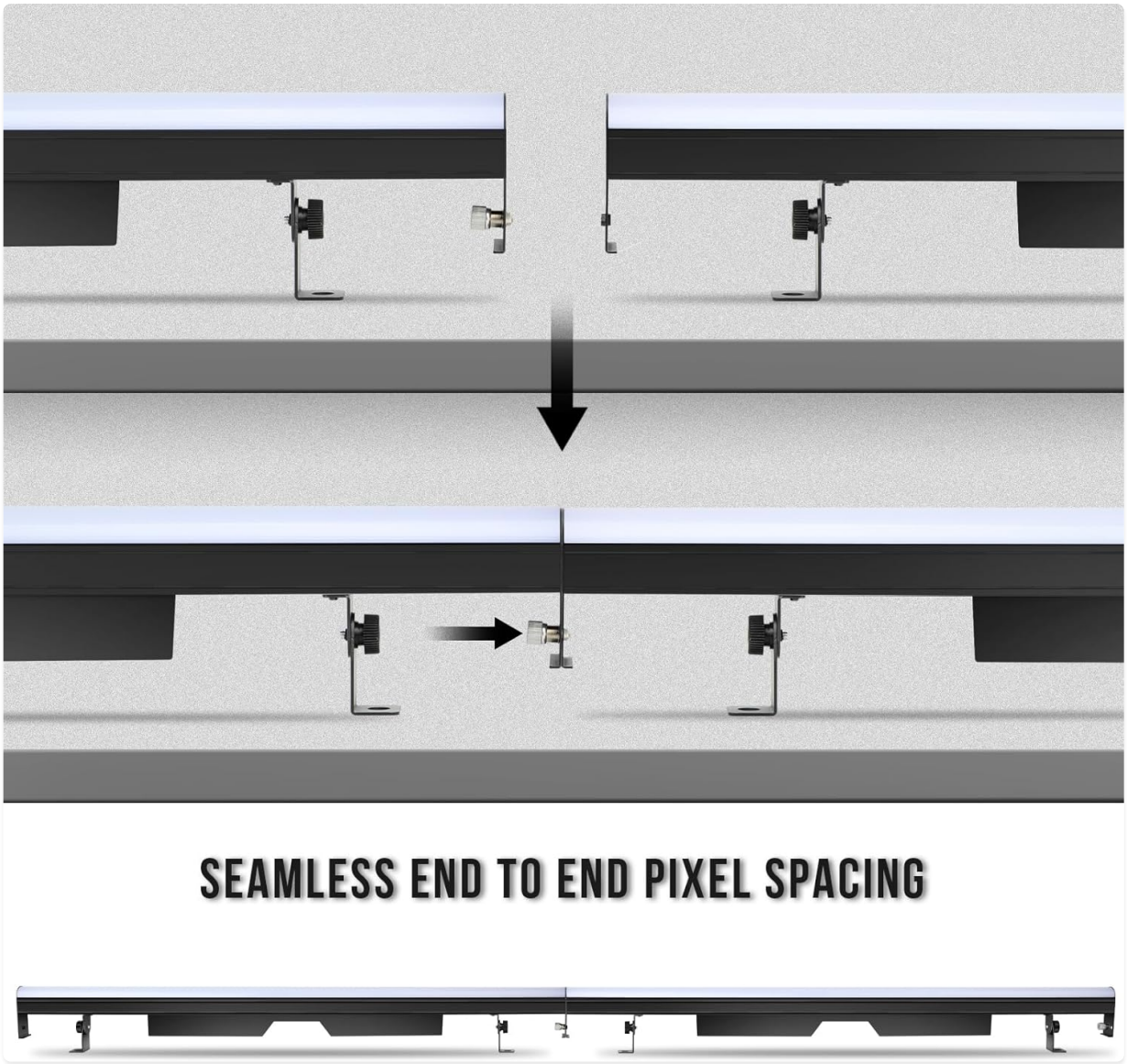

Image 4.2: Seamless end-to-end pixel spacing feature.

5. Setup

5.1 Unpacking

Carefully remove the light bars and all accessories from the packaging. Inspect each item for any signs of damage during transit. Retain the packaging for future storage or transport.

5.2 Mounting

The YeeSite Pixel Light Bar can be mounted in various orientations (wall, ceiling, floor) using the included adjustable brackets. Ensure the mounting surface is stable and capable of supporting the fixture's weight (6.6 pounds per unit).

1. Attach the brackets to the light bar using the provided screws and gaskets.
2. Securely fasten the brackets to your desired mounting location. Adjust the angle of the light bar as needed.

5.3 Connecting Power

Connect the provided power cable to the 'Power IN' port on the light bar. Plug the other end into a standard

110V AC power outlet.

5.4 Daisy Chaining Multiple Units

For extended lighting setups, multiple YeeSite Pixel Light Bars can be daisy-chained. Connect the 'Power OUT' port of the first fixture to the 'Power IN' port of the next fixture using compatible locking power cables. Up to 6 units can be connected in a single daisy chain.

Image 5.1: Power daisy chain connection for multiple units.

6. Operation

6.1 Control Panel Overview

The light bar features an LCD display and control buttons (Menu, Up, Down, Enter) on the rear panel for direct access to settings and modes.

Image 6.1: Rear panel with ports and LCD display.

6.2 Basic Modes

The light bar offers several built-in operational modes:

- **Auto Mode:** Cycles through various pre-programmed effects and color sequences automatically.
- **Sound-Activated Mode:** The lighting effects respond to ambient sound or music, creating dynamic visual displays.
- **Static Color Mode:** Select from 37 static colors to maintain a consistent ambiance.
- **Master-Slave Mode:** Connect multiple units where one acts as the master, controlling the others (slaves) to synchronize effects.

6.3 Adjusting Settings

Use the control buttons to navigate the menu on the LCD display. You can adjust parameters such as:

- **Effect Speed:** Increase or decrease the speed of chase programs and auto modes.
- **Color Selection:** Manually select specific colors in static color mode.
- **Dimming:** Adjust the overall brightness (0-100% linear dimming).

Image 6.2: Examples of various lighting effects and patterns.

7. DMX Control

The YeeSite Pixel Light Bar is fully DMX512 compatible, allowing for professional control over lighting effects and parameters.

7.1 Connecting to a DMX Controller

1. Connect a 3-pin DMX cable from the 'DMX OUT' port of your DMX controller to the 'DMX IN' port of the first light bar.
2. To control multiple units, connect the 'DMX OUT' port of the first light bar to the 'DMX IN' port of the next, and so on.
3. Ensure the last fixture in the DMX chain has a DMX terminator connected to its 'DMX OUT' port to prevent signal reflection.

7.2 DMX Channel Modes

The fixture supports 5 DMX channel modes (3/5/8/90/94 channels). Select the appropriate mode on the light bar's control panel to match your DMX controller's settings. Refer to the detailed DMX channel chart in the full PDF manual for specific functions of each channel in every mode.

7.3 RDM Functionality

The light bar supports RDM (Remote Device Management), allowing you to change critical fixture settings, such as DMX address and channel mode, remotely from a compatible DMX controller.

Image 7.1: DMX control setup with a controller and mobile app.

8. Maintenance

Regular maintenance ensures optimal performance and longevity of your YeeSite Pixel Light Bar.

8.1 Cleaning

Periodically clean the exterior of the fixture with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used. Do not use abrasive cleaners or solvents, as they may damage the finish or internal components. Ensure the unit is powered off and unplugged before cleaning.

8.2 Storage

When not in use, store the light bar in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the original packaging for protection during storage or transport.

9. Troubleshooting

If you encounter issues with your YeeSite Pixel Light Bar, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light bar does not power on.	No power supply; faulty cable; power outlet issue.	Check power cable connection. Ensure power outlet is functional. Test with a different power cable if available.
No light output or incorrect colors.	Incorrect mode selected; DMX signal issue; internal fault.	Verify the operating mode (Auto, Sound, Static, DMX). If using DMX, check DMX connections and address settings. Reset the unit.
DMX control not working.	Incorrect DMX address; wrong channel mode; faulty DMX cable; no DMX terminator.	Ensure DMX address and channel mode match the controller. Check DMX cable integrity. Use a DMX terminator on the last fixture.

Problem	Possible Cause	Solution
Lights flicker or behave erratically.	Unstable power; DMX signal interference; loose connections.	Ensure stable power supply. Check all power and DMX connections. Verify DMX signal quality.

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

10. Specifications

Detailed technical specifications for the YeeSite 90LED RGB Stage Pixel Light Bar:

Feature	Specification
Model Number	YS-144led
Light Source	90 x RGB SMD LEDs
Power Consumption	60 Watts
Voltage	110 Volts
Control Modes	DMX512, RDM, Auto, Sound-Activated, Master-Slave
DMX Channel Modes	3/5/8/90/94 Channels
Pixel Zones	30 independently controllable zones
Beam Angle	90 Degrees
Dimming	0-100% Linear Dimming
Material	Aluminum
Color	Black
Product Dimensions	41.5"L x 4.9"W x 5.5"H
Item Weight	6.6 Pounds
Mounting Type	Wall mount, Ceiling mount, Floor mount

11. Warranty & Support

YeeSite products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official YeeSite website. Please have your product model number (YS-144led) and purchase date available when contacting support.

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Related Documents - YS-144led

	YeeSite 60W RGB Pixel Light Bar User Manual User manual for the YeeSite 60W RGB Pixel Light Bar, covering introduction, unpacking, customer support, warranty registration, safety guidelines, product overview, dimensions, installation, rigging, setup, DMX linking, control panel, system menu, operating instructions, and specifications.
	144LEDS RGB Stage Light Bar User Manual User manual for the 144LEDS RGB Stage Light Bar, covering safety instructions, DMX signal connection, technical specifications, setting menu operations, DMX modes, and maintenance.
	YeeSite 120W 18LEDs RGBW Stage Wash Light Bar User Manual User manual for the YeeSite 120W 18LEDs RGBW Stage Wash Light Bar, covering introduction, unpacking, customer support, safety guidelines, installation, rigging, setup, DMX operation, master-slave mode, static color mode, sound active mode, auto mode, program speed, DMX traits for various channel modes, and specifications.
	YeeSite 60W RGB Pixel Light Bar User Manual User manual for the YeeSite 60W RGB Pixel Light Bar, covering introduction, unpacking, customer support, warranty registration, safety guidelines, product overview, dimensions, installation, rigging, setup, DMX linking, control panel, system menu, operating instructions, and specifications.
	144LEDS RGB Stage Light Bar User Manual User manual for the 144LEDS RGB Stage Light Bar, covering safety instructions, DMX signal connection, technical specifications, setting menu operations, DMX modes, and maintenance.

YeeSite 120W 18LEDs RGBW Stage Wash Light Bar User Manual

User manual for the YeeSite 120W 18LEDs RGBW Stage Wash Light Bar, covering introduction, unpacking, customer support, safety guidelines, installation, rigging, setup, DMX operation, master-slave mode, static color mode, sound active mode, auto mode, program speed, DMX traits for various channel modes, and specifications.