

SENLAN RS-10E

SENLAN LED Par Bar Wall Wash Stage Light RS-10E User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the SENLAN LED Par Bar Wall Wash Stage Light, model RS-10E. It covers essential information regarding product features, setup procedures, operational modes, maintenance guidelines, and troubleshooting tips to ensure safe and effective use of your device.

2. SAFETY INFORMATION

- Always connect the device to a grounded power outlet.
- Ensure the power supply voltage matches the device's requirements (90V-240V/50-60Hz).
- Do not expose the device to rain or moisture.
- Avoid direct eye exposure to the light source.
- Disconnect power before cleaning or performing any maintenance.
- Ensure adequate ventilation around the unit to prevent overheating. The full aluminum housing is designed for cooling without a fan, but proper airflow is still important.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Light Source:** 4 pieces of 3W RGB 3-in-1 LEDs.
- Features 4 super bright Acrylic lenses and a uniquely designed white aluminum lens bracket.
- **Cooling:** Full aluminum housing for efficient, silent cooling without a fan.
- **Control Modes:** Supports 7 different DMX modes, automatic operation, sound activation, and master/slave configurations.
- **DMX Control:** Individual LED control is possible in certain DMX modes.

- **Automatic Effects:** Offers 24 distinct automatic run effects, allowing various combinations of LEDs to operate together.
- **Power:** 90V-240V/50-60Hz power supply with a 1A fuse.
- **Beam Angle:** 25 degrees.

3.2 Components

The SENLAN LED Par Bar features a robust aluminum body, four LED light sources with acrylic lenses, a digital display for mode selection, control buttons, DMX input/output ports, and a power input. The unit also includes a mounting bracket and knobs for secure positioning.



Figure 1: Front view of the SENLAN LED Par Bar Wall Wash Stage Light RS-10E, showing the four LED lights, digital display, and control ports.

4. SETUP

4.1 Mounting

The device is designed for wall mounting. Use the included bracket and knobs to securely attach the light to a stable surface. Ensure the mounting location can support the weight of the fixture and that it is positioned to achieve the desired lighting effect.

4.2 Power Connection

Connect the power cord to the AC input on the unit and then to a standard grounded electrical outlet (90V-240V/50-60Hz). Verify that the power source is stable and within the specified voltage range.

4.3 DMX Connection (Optional)

For DMX control, connect a DMX cable from your DMX controller's output to the DMX IN port on the light. If linking multiple units, connect the DMX OUT of the first unit to the DMX IN of the next, and so on. Ensure the last unit in the chain has a DMX terminator if recommended by your DMX controller's manual.

5. OPERATING MODES

The SENLAN LED Par Bar offers four primary control modes, selectable via the digital display and control buttons on the unit.

5.1 DMX512 Control Mode

This mode allows external control of the light's functions using a DMX512 controller. The light supports 7

different DMX modes, enabling precise control over individual LEDs, color mixing, dimming, and effects. Refer to your DMX controller's manual and the light's DMX channel chart (typically provided with the product) for detailed programming.

5.2 Automatic Operation Mode

In this mode, the light cycles through 24 pre-programmed automatic effects. These effects include various color changes, fades, and chases. Use the control buttons to select and adjust the speed of the desired automatic program.

5.3 Sound Activation Mode

The light can react to ambient sound or music. In sound activation mode, the light's effects will change in response to audio input detected by its built-in microphone. Sensitivity can often be adjusted via the control panel.

5.4 Master/Slave Mode

This mode allows multiple SENLAN LED Par Bar units to synchronize their operation without a DMX controller. Connect the DMX OUT of the 'master' unit to the DMX IN of the 'slave' units. Set the master unit to an automatic or sound-activated mode, and the slave units will mirror its behavior.

5.5 Light Effects Examples



Figure 2: Red and Green light wash effect.



Figure 3: Blue and Purple light wash effect.



Figure 4: Red and Blue light wash effect.



Figure 5: Red light wash effect.



Figure 6: Blue light wash effect.



Figure 7: Green light wash effect.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the exterior of the light with a soft, dry cloth. For lenses, use a soft cloth dampened with a mild, non-abrasive cleaner specifically designed for optics. Ensure the device is unplugged before cleaning.

6.2 Fuse Replacement

The unit is equipped with a 1A fuse. If the light does not power on, check the fuse. To replace, disconnect power, locate the fuse holder (typically near the power input), unscrew it, and replace the fuse with one of the

exact same rating (1A). Never use a fuse with a higher rating.

7. TROUBLESHOOTING

- **Light does not power on:**

- Check if the power cord is securely connected to both the unit and the power outlet.
- Verify the power outlet is functional.
- Inspect and replace the 1A fuse if blown (refer to Section 6.2).

- **No DMX control:**

- Ensure DMX cables are correctly connected (DMX OUT to DMX IN).
- Verify the DMX address on the light matches the address set on your controller.
- Check DMX cable integrity.
- Ensure the DMX controller is functioning correctly.

- **Light effects are not synchronized in Master/Slave mode:**

- Confirm the master unit is set to an automatic or sound-activated mode.
- Ensure slave units are correctly connected and set to slave mode.
- Check DMX cable connections between units.

- **Unusual noises or rattling:**

- If the unit exhibits unusual noises or rattling, discontinue use immediately. This may indicate internal component damage. Contact customer support for assistance.

8. SPECIFICATIONS

Specification	Detail
Model Number	RS-10E
Light Source	4pcs x 3W RGB 3-in-1 LED
Power Supply	90V-240V/50-60Hz
Fuse	1A
Beam Angle	25 Degrees
Control Modes	DMX512, Automatic, Sound Activation, Master/Slave
DMX Modes	7
Automatic Effects	24
Material	Aluminum, Acrylic
Product Dimensions	11"L x 3"W x 3.14"H
Item Weight	1.63 pounds
Brightness	1200 Lumen
Maximum Compatible Light Source Wattage	12 Watts

9. WHAT'S IN THE BOX

Upon unpacking, please ensure all the following items are present:

- SENLAN LED Par Bar Wall Wash Stage Light (Model RS-10E)
- Mounting Bracket
- Knobs for Bracket Attachment
- User Manual (this document)

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official SENLAN website. Keep your purchase receipt as proof of purchase.