Showlite SB-216

Showlite SB-216 LED Stage Bar User Manual
Model: SB-216

1. INTRODUCTION

Thank you for choosing the Showlite SB-216 LED Stage Bar. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

2. SAFETY INSTRUCTIONS

WARNING: Risk of electric shock. Do not open the casing.

- Ensure the device is connected to a grounded power outlet.
- Do not expose the device to rain or moisture.
- Avoid direct eye exposure to the light source.
- Disconnect from power before cleaning or servicing.
- Ensure adequate ventilation around the unit to prevent overheating.
- Only qualified personnel should perform repairs.

3. PRODUCT OVERVIEW

The Showlite SB-216 is an LED stage bar designed for various lighting applications, featuring multiple operating modes and DMX control capabilities.

3.1 Key Features

- 216 x 10mm RGB LEDs (72 Red, 72 Green, 72 Blue)
- 8 individually controllable segments (3x9 LEDs per color)
- Long LED lifespan: up to 100,000 hours
- Multiple operating modes: DMX-512, Master/Slave, Sound to Light
- 6 DMX channel modes: 3, 5, 8, 14, 24, and 26 channels
- Electronic dimming (0-100%) and strobe effect (0-20 Hz) with adjustable speed
- Integrated microphone with sensitivity adjustment for Sound to Light mode

- LED display and 4 control buttons for configuration

- 3-pin XLR DMX Input/Output

- Beam angle: 25°

- Robust aluminum housing

- Cold device output for power chaining multiple units

3.2 Components

Familiarize yourself with the main components of your SB-216 LED Stage Bar:

Figure 1: Front view of the Showlite SB-216 LED Stage Bar, displaying the full array of 216 RGB LEDs and the adjustable mounting brackets on each end.

Figure 2: Rear panel of the Showlite SB-216 LED Stage Bar, featuring the power input, DMX input and output (XLR 3-pin), fuse holder, integrated microphone, and a sensitivity control knob.

Figure 3: Close-up view of the LED array, highlighting the individual 10mm RGB LEDs arranged in segments.

Figure 4: Detailed view of the control panel, showing the LED display and the four buttons used for menu navigation and setting adjustments.

4. SETUP

4.1 Mounting

The SB-216 LED Stage Bar is equipped with adjustable mounting brackets. These brackets can be used to position the unit on a flat surface or to attach it to a truss or lighting stand using appropriate clamps (not included). Ensure all mounting hardware is securely fastened and capable of supporting the unit's weight (2.2 kg).

4.2 Power Connection

Connect the provided power cable to the 'POWER INPUT' socket on the rear panel and then to a suitable grounded electrical outlet (90-240V AC, 50/60Hz). The unit consumes 25 watts.

4.3 DMX Connection (Optional)

For DMX control, connect a 3-pin XLR DMX cable from your DMX controller's output to the 'DMX INPUT' on the SB-216. To daisy-chain multiple units, connect a DMX cable from the 'DMX OUTPUT' of the first unit to the 'DMX INPUT' of the next unit. Ensure the last unit in the chain has a DMX terminator connected to its 'DMX OUTPUT' for stable signal transmission.

5. OPERATING MODES

The SB-216 offers three primary operating modes, selectable via the control panel and LED display.

5.1 Control Panel Navigation

Use the four buttons below the LED display to navigate menus and adjust settings:

- **MENU:** Enters/exits menu, cycles through main menu options.
- **UP/DOWN:** Navigates through options or increases/decreases values.
- **ENTER:** Confirms selection or saves settings.

5.2 DMX-512 Mode

In DMX mode, the unit is controlled by an external DMX controller. Set the DMX address and select one of the 6 DMX channel modes (3, 5, 8, 14, 24, or 26 channels) using the control panel. The 26-channel mode allows for individual color mixing per segment.

5.3 Master/Slave Mode

Connect multiple SB-216 units via DMX cables. Set one unit as 'Master' and the others as 'Slave'. The Master unit will control the lighting effects for all connected Slave units, synchronizing their operation.

5.4 Sound to Light Mode

The integrated microphone detects ambient sound, and the unit reacts with dynamic light patterns. Adjust the microphone sensitivity using the 'MIN/MAX' knob on the rear panel to fine-tune the response to sound levels.

5.5 Standalone Programs

The unit may include pre-programmed automatic light shows and static color settings accessible via the control panel in standalone mode.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents. Keep the LED lenses free of dust and debris to maintain optimal light output.

6.2 Fuse Replacement

If the unit does not power on, check the fuse located on the rear panel. Disconnect the power cable before attempting to replace the fuse. Use only a fuse of the same type and rating as specified by the manufacturer.

6.3 Storage

When not in use for extended periods, store the unit in a dry, dust-free environment, preferably in its original packaging.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	No power supply; Blown fuse	Check power cable connection; Replace fuse (see Maintenance)
No light output	Unit is off; Dimmer channel at 0%; Program error	Ensure unit is on; Check DMX dimmer channel; Select a different program
DMX control not working	Incorrect DMX address; Faulty DMX cable; No DMX terminator	Verify DMX address setting; Check DMX cable connections; Use a DMX terminator on the last unit
Sound to Light not responding	Microphone sensitivity too low; No sound detected	Adjust 'MIN/MAX' sensitivity knob; Ensure sufficient sound levels

8. SPECIFICATIONS

- **Model:** Showlite SB-216
- **LEDs:** 216 x 10mm RGB (72R, 72G, 72B)

- **Segments:** 8 segments, 3x9 LEDs per color
- **Operating Modes:** DMX-512, Master/Slave, Sound to Light
- **DMX Channels:** 3, 5, 8, 14, 24, 26 channels
- **Dimming:** 0-100% Electronic
- **Strobe Effect:** 0-20 Hz, adjustable
- **Beam Angle:** 25°
- **Power Supply:** 90-240V AC, 50/60Hz
- **Power Consumption:** 25 Watts
- **Operating Temperature:** -20°C to 40°C
- **Housing Material:** Aluminum
- **Dimensions (LxHxP):** 975 x 67 x 63 mm (housing only)
- **Weight:** 2.2 kg (with feet)
- **Model Number:** 00028581

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for any warranty claims.