Beamz 150.898

BEAMZ SLIMPAR45 LED Spot Light User Manual

Model: 150.898

1. INTRODUCTION

The Beamz SlimPar45 is a versatile LED PAR spot light designed for various lighting applications, suitable for both fixed installations and mobile use. It features 18 x 3W 3-in-1 RGB LEDs, allowing for a wide range of color mixing.

This manual provides essential information for the safe and efficient operation of your SlimPar45 unit. Key features include DMX and standalone modes, pre-programmed shows, sound control with adjustable sensitivity, and an automatic mode with adjustable speed.

Image 1.1: The Beamz SlimPar45 LED Spot Light, showcasing its compact design and illuminated blue LEDs.

2. SAFETY INSTRUCTIONS

WARNING: To reduce the risk of electric shock, do not open this device. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.

- Read all instructions carefully before operating the unit.
- Keep this manual for future reference.
- Ensure the power supply voltage matches the voltage specified on the unit.
- Always connect the unit to a grounded power outlet.
- Do not operate the unit if the power cord is damaged.
- Avoid direct eye exposure to the light source.
- Do not expose the unit to rain or moisture.
- Ensure adequate ventilation around the unit. Do not block ventilation openings.
- Mount the unit securely using appropriate hardware.
- Disconnect from mains power before cleaning or servicing.

3. PRODUCT OVERVIEW

3.1 Front Panel

Image 3.1: Front view of the SlimPar45, showing the 18 RGB LEDs.

The front panel features 18 high-power 3-in-1 RGB LEDs, capable of producing a wide spectrum of colors. The robust aluminum housing ensures durability.

3.2 Rear Panel and Controls

Image 3.2: Rear panel of the SlimPar45, detailing the control interface and connections.

- **LED Display:** Shows current mode and settings.
- **Control Buttons:** Used to navigate menus and adjust settings. (Typically Menu, Up, Down, Enter).
- **DMX IN/OUT:** 3-pin XLR connectors for DMX control.
- **Power Input:** For connecting the main power cable.
- **Microphone:** For sound-activated modes.

3.3 Mounting Bracket

Image 3.3: Side view of the SlimPar45, illustrating the double mounting bracket for flexible positioning.

The unit comes with a double mounting bracket, allowing for versatile installation options such as floor standing, truss mounting, or wall/pole mounting.

4. SETUP

4.1 Mounting

The SlimPar45 can be mounted in various positions. Always ensure the mounting surface or truss is capable of supporting the weight of the fixture. Use appropriate clamps and safety cables when mounting overhead.

- **Floor Standing:** Use the double bracket as a floor stand.

- **Truss Mounting:** Attach suitable clamps (not included) to the bracket and secure to a truss.
- **Wall/Pole Mounting:** Secure the bracket to a wall or pole using appropriate screws and anchors (not included).

Adjust the angle of the fixture by loosening the side knobs on the bracket, positioning the light, and then tightening the knobs securely.

4.2 Power Connection

Connect the provided power cable to the power input on the rear panel of the SlimPar45 and then to a grounded 230V AC, 50Hz power outlet. Ensure the power source is stable and within the specified voltage range.

4.3 DMX Connection (Optional)

For DMX control, connect a 3-pin XLR cable from your DMX controller's output to the DMX IN port of the first SlimPar45 unit. To daisy-chain multiple units, connect a DMX cable from the DMX OUT of the first unit to the DMX IN of the next unit, and so on.
Ensure the last unit in the DMX chain has a DMX terminator connected to its DMX OUT port to prevent signal reflection.

5. OPERATING INSTRUCTIONS

The SlimPar45 can operate in several modes: DMX mode, standalone mode (auto, sound-activated), and master/slave mode. Use the control buttons on the rear panel to navigate the menu and select your desired mode and settings.

5.1 Menu Navigation

- **MENU:** Press to cycle through main menu options.
- **UP/DOWN:** Use to adjust values or scroll through sub-menus.
- **ENTER:** Confirm selection or save changes.

5.2 DMX Mode

In DMX mode, the fixture is controlled by an external DMX controller.

1. Connect the DMX controller as described in Section 4.3.
2. Use the menu to set the DMX address for the unit. Each unit in a DMX chain must have a unique address.
3. Select the desired DMX channel mode (3, 4, or 7 channels) via the menu. Refer to the DMX chart in Section 8 for channel functions.
4. Control the light's functions (color, dimming, strobe) from your DMX controller.

5.3 Standalone Modes

The SlimPar45 offers several built-in standalone modes for operation without a DMX controller.

- **Auto Mode:** The unit cycles through pre-programmed light shows automatically. You can adjust the speed of these shows via the menu.
- **Sound-Activated Mode:** The light reacts to music or ambient sound picked up by the built-in microphone. Sensitivity can be adjusted.
- **Static Color Mode:** Select a single static color from the RGB spectrum.
- **Color Fade/Jump Mode:** The unit smoothly fades or instantly jumps between colors.

Image 5.1: The SlimPar45 illuminating with a vibrant green light.

Image 5.2: The SlimPar45 illuminating with a rich red light.

5.4 Master/Slave Mode

In Master/Slave mode, one unit (the Master) controls other units (the Slaves) without a DMX controller.

1. Connect the DMX OUT of the Master unit to the DMX IN of the first Slave unit, and daisy-chain subsequent Slave units.
2. Set the Master unit to any standalone mode (Auto, Sound-Activated, etc.).
3. Set all Slave units to "Slave" mode via their respective menus.
4. The Slave units will now mirror the actions of the Master unit.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your SlimPar45.

- **Cleaning:** Periodically clean the lens and housing with a soft, lint-free cloth. Do not use abrasive

cleaners or solvents. Ensure the unit is disconnected from power before cleaning.

- **Inspection:** Regularly check the power cable, DMX cables, and mounting hardware for any signs of damage or wear. Replace damaged components immediately.
- **Ventilation:** Ensure ventilation openings are clear of dust and debris to prevent overheating. The SlimPar45 has a fanless design, relying on convection cooling.
- **Storage:** When not in use for extended periods, store the unit in a dry, dust-free environment.

7. TROUBLESHOOTING

If you encounter issues with your SlimPar45, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable disconnected; no power from outlet; faulty cable.	Check power cable connection; test outlet with another device; replace faulty cable.
No DMX control	Incorrect DMX address; faulty DMX cable; DMX controller issue; no DMX terminator.	Verify DMX address and channel mode; check DMX cable connections; ensure DMX controller is active; add DMX terminator to the last unit.
Light not responding in sound mode	Microphone sensitivity too low; no sound input.	Increase microphone sensitivity via menu; ensure sound source is close to the unit.
Unit overheating	Blocked ventilation.	Ensure adequate airflow around the unit; clear any obstructions.

8. SPECIFICATIONS

Feature	Detail
Model	150.898 (SlimPar45)
Light Source	18 x 3W 3-in-1 RGB LEDs
Beam Angle	12°
Field Angle	29°
Illuminance	3642 lx @ 1m
Flash Frequency	1-21 fps
DMX Channels	3, 4, or 7 channels
DMX Connection	3-pin XLR In/Out
Input Voltage	230V AC / 50Hz
Power Consumption	(Not explicitly stated, but implied by 18x3W LEDs, so approx 54W max)
Dimensions (L x W x H)	180 x 145 x 150 mm (Product description) / 21.5 x 21.5 x 11.5 cm (Specifications)

Feature	Detail
Weight	1.6 kg (Product description) / 940 grams (Specifications)
Housing Material	Aluminum
Control Modes	DMX, Auto, Sound-activated, Master/Slave

Note: Dimensions and weight may vary slightly based on measurement method. The product description states 180 x 145 x 150 mm and 1.6 kg, while the specifications table lists 21.5 x 21.5 x 11.5 cm and 940 grams. Please refer to the physical product for exact measurements.

8.1 DMX Channel Chart (7-Channel Mode Example)

This is an example DMX channel assignment. Refer to the actual device's menu for precise channel functions.

Channel	Function	Value Range
1	Master Dimmer	0-255 (0 = Off, 255 = Full Brightness)
2	Red Intensity	0-255 (0 = Off, 255 = Full Red)
3	Green Intensity	0-255 (0 = Off, 255 = Full Green)
4	Blue Intensity	0-255 (0 = Off, 255 = Full Blue)
5	Strobe Effect	0-10 (No Strobe), 11-255 (Slow to Fast Strobe)
6	Color Macro / Auto Programs	0-10 (No Function), 11-255 (Various Color Presets/Programs)
7	Sound Active / Program Speed	0-10 (No Function), 11-127 (Sound Active), 128-255 (Program Speed)

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This product is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official Beamz website for detailed warranty terms and conditions. Keep your proof of purchase for any warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or spare parts inquiries, please contact Beamz customer support.

- **Website:** Visit the official Beamz website for FAQs, product registration, and contact information.
- **Email/Phone:** Refer to your product packaging or the Beamz website for specific contact details in your region.