

STEELPRO 403MPR

Steelpro 403MPR LED Par Light User Manual

Overview Setup Operation Introduction Maintenance Safety Information Troubleshooting Product Specifications Warranty & Support

1. INTRODUCTION

Thank you for purchasing the Steelpro 403MPR LED Par Light. This manual provides essential information for the safe and efficient operation of your device. Please read these instructions thoroughly before installation and use, and retain them for future reference.

2. SAFETY INFORMATION

To reduce the risk of electrical shock, fire, or injury, always follow basic safety precautions:

- **Power Supply:** Connect the unit only to a grounded power outlet with the specified voltage (127V).
- **Moisture:** Do not expose the unit to rain or moisture. This product is suitable for outdoor use but should not be submerged.
- **Ventilation:** Ensure proper ventilation. Do not block ventilation openings.
- **Servicing:** Do not attempt to repair the unit yourself. Refer all servicing to qualified personnel.
- **Mounting:** Always secure the unit with a safety cable when mounting overhead. Ensure mounting surfaces are stable.
- **Direct Eye Exposure:** Avoid direct eye exposure to the light source.

3. PRODUCT OVERVIEW

The Steelpro 403MPR is a powerful LED Par Light designed for stage and event lighting. It features 40 x 3-watt RGB 3-in-1 LEDs, offering full-color mixing capabilities and DMX512 control. Its robust aluminum construction makes it suitable for various environments, including outdoor applications.

3.1 Key Features

- 40 x 3W RGB 3-in-1 LEDs for vibrant color mixing.
- 6 DMX512 channels for professional control.

- Multiple operating modes: DMX, Auto, Sound Active, Master/Slave.
- Fast color change and adjustable speed.
- Durable aluminum housing, suitable for outdoor use.
- Compact design: 22 cm x 22 cm x 10 cm, weighing approximately 1.05 kg.

3.2 Components and Dimensions



Figure 3.2.1: Front view of the Steelpro 403MPR LED Par Light, showcasing the 40 RGB LED array.



Figure 3.2.2: Rear view of the Steelpro 403MPR LED Par Light, illustrating its compact dimensions of 22cm x 22cm x 10cm.



Figure 3.2.3: Detailed view of the rear control panel, showing the power input/output, DMX input/output, and digital display with control buttons.

4. SETUP

4.1 Mounting

The Steelpro 403MPR can be mounted in various positions using its adjustable bracket. Ensure the mounting surface or truss is capable of supporting the weight of the fixture. Always use a safety cable (not included) when mounting overhead.

- **Floor Standing:** Place the unit on a flat, stable surface.
- **Truss Mounting:** Attach a suitable clamp (not included) to the bracket and secure it to a truss.
- **Wall Mounting:** Secure the bracket to a wall using appropriate hardware.

4.2 Power Connection

Connect the included power cable to the power input on the rear of the unit and then to a grounded 127V AC power outlet. The unit features a power output for daisy-chaining multiple fixtures.

4.3 DMX Connection (Optional)

For DMX control, connect a DMX cable from your DMX controller's output to the DMX IN port of the first fixture. For multiple fixtures, daisy-chain them by connecting the DMX OUT of the first fixture to the DMX IN of the next, and so on. A DMX terminator is recommended for the last fixture in a chain.

5. OPERATION

The Steelpro 403MPR features a digital display and four control buttons (UP, DOWN, INC, DEC) on the rear panel for mode selection and parameter adjustment.

5.1 Control Panel Functions

- **Display:** Shows current mode and parameter values.
- **UP/DOWN:** Navigate through menu options or increase/decrease values.
- **INC/DEC:** Select menu options or confirm values.

5.2 Operating Modes

The fixture supports several operating modes:

- **DMX Mode:** Allows external control via a DMX512 controller. Set the DMX address using the control panel. The fixture uses 6 DMX channels.
- **Auto Mode:** The fixture runs through pre-programmed light shows automatically. Speed and patterns may be adjustable.
- **Sound Active Mode:** The fixture reacts to sound detected by its built-in microphone. Sensitivity may be adjustable.
- **Master/Slave Mode:** Link multiple fixtures together. One fixture acts as the master, controlling the others (slaves). Connect DMX OUT of the master to DMX IN of the first slave, and so on.

5.3 DMX Channel Assignment (6 Channels)

Refer to the following table for typical DMX channel assignments. Specific functions may vary slightly.

Channel	Function	Value Range
1	Master Dimmer	0-255 (0% - 100% brightness)
2	Red LED Intensity	0-255 (0% - 100% Red)
3	Green LED Intensity	0-255 (0% - 100% Green)
4	Blue LED Intensity	0-255 (0% - 100% Blue)
5	Strobe Effect	0-10 (No Strobe), 11-255 (Slow to Fast Strobe)
6	Program Selection / Speed	0-50 (Auto Programs), 51-100 (Sound Active), 101-255 (Program Speed)

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your Steelpro 403MPR LED Par Light.

- **Cleaning:** Periodically clean the lens and housing with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check power cables, DMX cables, and mounting hardware for any signs of wear or damage. Replace damaged components immediately.
- **Storage:** When not in use, store the fixture in a dry, dust-free environment.

7. TROUBLESHOOTING

If you encounter issues with your Steelpro 403MPR, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable disconnected, faulty outlet, internal fuse.	Check power cable connection. Test the outlet. If fuse is accessible and replaceable, check it (refer to qualified technician).
No DMX control	Incorrect DMX address, faulty DMX cable, DMX controller issue, no DMX terminator.	Verify DMX address setting. Check DMX cable connections. Test with a different DMX cable or controller. Add a DMX terminator to the last fixture.
Light output is weak or inconsistent	Dimmer setting too low, DMX signal issue, internal fault.	Increase dimmer setting. Check DMX signal. If problem persists, contact support.
Sound Active mode not working	No sound input, microphone sensitivity too low.	Ensure there is sufficient sound near the fixture. Adjust microphone sensitivity if available in menu.

8. SPECIFICATIONS

Feature	Detail
Model	403MPR
Light Source	40 x 3W RGB 3-in-1 LEDs
Color Mixing	RGB Full Color
DMX Channels	6 Channels
Operating Modes	DMX512, Auto, Sound Active, Master/Slave
Voltage	127V AC
Wattage	120 Watts
Material	Aluminum
Dimensions (L x W x H)	22 cm x 10 cm x 22 cm
Weight	1.05 kg
Environmental Rating	Suitable for outdoor use

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Steelpro website or contact your authorized dealer. Keep your proof of purchase for any warranty claims.

Contact Information: Please visit the official STEELPRO website for the most up-to-date support and contact details.