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› Black Lion Audio PG-XLM Rackmount Power Conditioner User Manual

## Black Lion Audio PG-XLM

# Black Lion Audio PG-XLM Rackmount Power Conditioner

Model: PG-XLM

Brand: Black Lion Audio

## INTRODUCTION

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The Black Lion Audio PG-XLM is a rackmount power conditioner designed to provide clean, well-regulated power and protection for your audio equipment. It incorporates advanced PG-90 Filtering Technology to safeguard your devices from power-spike damage and ensure optimal performance. This manual provides essential information for setting up, operating, and maintaining your PG-XLM unit.



*Image: Front view of the Black Lion Audio PG-XLM Rackmount Power Conditioner, highlighting its PG-90 Filtering Technology.*

## SETUP

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1. **Unpacking:** Carefully remove the PG-XLM from its packaging. Verify all components listed in the 'What's in the Box' section are present.
2. **Mounting:** The PG-XLM is designed for 1U rackmount installation. Securely fasten the unit into a standard 19-inch equipment rack using appropriate rack screws.
3. **Power Connection:** Connect the attached power cable from the PG-XLM to a grounded AC outlet. Ensure the outlet provides the correct voltage (120V AC, 60Hz for North American models).
4. **Connecting Equipment:**
  - **Rear Panel Outlets:** Connect your studio equipment (e.g., audio interfaces, monitors, preamps) to the eight switched, filtered, and surge-protected outlets on the rear panel.
  - **Front Panel Outlet:** Use the one filtered convenience outlet on the front panel for temporary connections or devices requiring easy access.
  - **USB Port:** The front panel USB port is for charging compatible devices (5V).



Image: Rear view of the Black Lion Audio PG-XLM, illustrating the eight switched and filtered power outlets.

## OPERATING INSTRUCTIONS

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1. **Power On/Off:** Use the main power switch on the front panel to turn the unit on or off.
2. **Voltage Monitor:** The digital LED display on the front panel shows the current AC voltage. This helps monitor the stability of your power supply.
3. **Front Panel LED Lights:** The two pull-out LED lights on the front panel provide rack illumination. Use the 3-way switch (off, low, high) to adjust their brightness as needed.
4. **USB Charging:** Connect your USB-powered devices to the front panel USB port for charging.
5. **Circuit Breaker:** The PG-XLM features a 15A circuit breaker. If the unit overloads, the breaker will trip to protect connected equipment. Reset by pressing the button after reducing the load.



Image: Close-up of a pull-out LED light on the front panel of the PG-XLM, used for rack illumination.

## FEATURES

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- Rackmount Power Conditioner with PG-90 Filtering Technology
- 2 Front-panel Pull-out LED Lights
- LED Voltage Monitor Display
- Panasonic Wima Capacitors
- 8 Rear-panel Outlets
- 1 Front-panel Convenience Outlet
- Front-panel USB Charging Port

## MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid liquid cleaners or solvents.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not block ventilation openings.
- **Cable Management:** Periodically check all power cables for damage or loose connections. Organize

cables to prevent strain and tangling.

- **Environmental Conditions:** Operate the unit in a dry environment, away from excessive heat, moisture, or dust.

## TROUBLESHOOTING

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- **No Power:** Check the main power switch, the power cable connection, and the circuit breaker on the unit. Also, verify the wall outlet is functioning.
- **Protection Light On:** If the 'Protection' indicator light is red, it signifies an extreme voltage event. The unit may have shut down to protect connected equipment. Disconnect all devices, reset the unit (if applicable), and check the power source before reconnecting.
- **Unusual Noise:** Ensure all connections are secure. If noise persists, try connecting the unit to a different circuit or consult a qualified technician.

## SPECIFICATIONS

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<b>Model Name</b>	PG-XLM
<b>Brand</b>	Black Lion Audio
<b>Material</b>	Metal
<b>Mounting Type</b>	Rack Mount
<b>Number of Outlets</b>	8 Rear-panel, 1 Front-panel
<b>USB Connectivity</b>	Yes (Front-panel, 5V)
<b>Item Weight</b>	7 Pounds
<b>Product Dimensions</b>	23 x 12 x 5 inches
<b>Signal-to-Noise Ratio</b>	90 dB
<b>Power Source</b>	Corded Electric
<b>Included Components</b>	1 x Power Supply

## PRODUCT VIDEO

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*Video: An official product video from RAD Distribution showcasing the Black Lion Audio PG-P Portable Power Conditioner, demonstrating its features and filtering technology. While a portable model, it shares core brand technology relevant to the PG-XLM.*

## WHAT'S IN THE BOX

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- 1 x Black Lion Audio PG-XLM Rackmount Power Conditioner

## WARRANTY AND SUPPORT

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The Black Lion Audio PG-XLM comes with a limited warranty. For detailed warranty information, product support, or service inquiries, please refer to the official Black Lion Audio website or contact their customer support directly. Keep your purchase receipt for warranty claims.