

## Furman M8X2

# Furman M-8X2 Merit Series Power Conditioner and Surge Protector User Manual

Model: M-8X2

## INTRODUCTION

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The Furman M-8X2 Merit Series Power Conditioner and Surge Protector is designed to provide clean, protected power for your valuable electronic equipment. It features advanced AC noise filtering to reduce RFI/EMI interference and robust spike and surge protection to safeguard your devices from power fluctuations. This manual provides essential information for the proper installation, operation, and maintenance of your M-8X2 unit.

### Key Features:

- AC noise filtering reduces RFI/EMI interference for cleaner sound.
- Spike and surge protection ensures equipment safety and clean power delivery.
- 15 Amp rating with a circuit breaker for overload protection.
- "Protection OK" front panel indicator confirms active protection.
- 9 total outlets: 8 rear panel outlets (including 3 with "wall wart" spacing) and 1 front panel convenience outlet.
- Filtration rating greater than 23 dB, 200 KHz to 10 MHz.

## PRODUCT OVERVIEW

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Figure 1: Front Panel of the Furman M-8X2. This view highlights the main power switch, the 'Protection OK' indicator light, and the single convenience outlet located on the front for easy access.



Figure 2: Rear Panel of the Furman M-8X2. This image displays the eight AC outlets, including three spaced for larger power adapters (wall warts), the attached power cord, and the circuit breaker reset button.

## SETUP INSTRUCTIONS

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1. **Unpacking:** Carefully remove the M-8X2 from its packaging. Inspect the unit for any signs of damage.
2. **Rack Mounting (Optional):** The M-8X2 is designed for standard 19-inch equipment racks. Secure the unit into two available rack spaces using appropriate rack screws (not included). Ensure adequate ventilation around the unit.
3. **Power Connection:** Plug the attached AC power cord of the M-8X2 into a grounded 120V AC wall outlet. Avoid using extension cords or power strips, as this may compromise protection.
4. **Connecting Equipment:** With the M-8X2 power switch in the OFF position, plug your electronic equipment into the rear panel outlets. Utilize the widely spaced outlets for larger power adapters. The front panel outlet can be used for temporary connections or devices requiring easy access.
5. **Initial Power-Up:** Once all equipment is connected, turn the M-8X2 power switch to the ON position. The "Protection OK" indicator on the front panel should illuminate green, confirming that the unit is providing surge protection.

## OPERATING INSTRUCTIONS

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Operating the Furman M-8X2 is straightforward. It acts as a central power distribution and protection unit for your connected devices.

- **Power On/Off:** Use the large rocker switch on the front panel to turn power on or off to all connected rear outlets. The front convenience outlet is also controlled by this switch.
- **"Protection OK" Indicator:** A green light on the front panel indicates that the M-8X2's surge protection circuitry is functioning correctly. If this light is off, the unit's protection may be compromised, and it should be serviced or replaced.
- **Circuit Breaker:** The M-8X2 features a 15 Amp thermal circuit breaker located on the rear panel. If the total current draw of your connected equipment exceeds 15 Amps, the breaker will trip, cutting power to the outlets. To reset, disconnect some equipment, then push the circuit breaker button back in.

## MAINTENANCE

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The Furman M-8X2 requires minimal maintenance to ensure continued optimal performance.

- **Cleaning:** Periodically wipe the unit with a soft, dry cloth. Do not use liquid or aerosol cleaners, as they may damage the finish or internal components. Ensure the unit is powered off and unplugged before cleaning.
- **Connection Check:** Regularly check all power connections to ensure they are secure. Loose connections can lead to intermittent power or increased noise.
- **Environmental Conditions:** Ensure the M-8X2 is operated in a dry environment, away from excessive heat, moisture, or direct sunlight.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
No power to connected equipment.	M-8X2 power switch is OFF. Circuit breaker tripped. Wall outlet has no power.	Turn power switch ON. Reduce load and reset circuit breaker on rear panel. Check wall outlet with another device or test circuit breaker in your electrical panel.

Problem	Possible Cause	Solution
"Protection OK" indicator is OFF.	Surge protection circuit is compromised.	The unit may have absorbed a significant surge. While power may still be supplied, the surge protection is no longer active. Contact Furman support for service or replacement.
Audible noise (hums, buzzes) in audio equipment.	RFI/EMI interference.	Ensure all audio cables are properly shielded and routed away from power cables. The M-8X2's filtering should minimize this, but severe external interference may still occur.

## SPECIFICATIONS

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- **Brand:** Furman
- **Model Number:** M8X2
- **Color:** Black
- **Total Power Outlets:** 9 (8 rear, 1 front)
- **Voltage:** 120 Volts
- **Maximum Current:** 15 Amps
- **Plug Type:** Type B
- **Item Weight:** 4.6 Pounds
- **Enclosure Material:** Stainless Steel
- **AC Noise Filtering:** Greater than 23 dB, 200 KHz to 10 MHz

## WARRANTY AND SUPPORT

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The Furman M-8X2 Merit Series Power Conditioner and Surge Protector comes with a **3-year parts and labor warranty**. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or service inquiries, please refer to the official Furman website or contact their customer service department. Keep your proof of purchase for warranty validation.