

Furman M-10X E

Furman Power Line Conditioner M-10X E User Manual

Model: M-10X E

1. INTRODUCTION

The Furman M-10X E Power Line Conditioner is designed to provide a reliable and low-cost AC power solution for any rack mount system. This unit features ten switched outlets on the rear panel, capable of powering and protecting your equipment up to a 10-amp load. It integrates essential power conditioning features to safeguard your valuable audio and video gear.

2. KEY FEATURES

- **AC Noise Filtering:** Reduces radio frequency interference (RFI) and electromagnetic interference (EMI) to ensure clean power delivery.
- **Surge Protection:** Provides protection against power surges and voltage spikes, safeguarding connected equipment.
- **Spike & Surge Protection:** Ensures equipment remains safe and power quality is maintained.
- **Rack Mountable:** Designed for easy installation into standard equipment racks.
- **Multiple Outlets:** Features ten switched outlets on the rear panel for comprehensive power distribution.
- **10-Amp Capacity:** Supports a total load of up to 10 amps.

3. SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove the Furman M-10X E from its packaging. Retain all packaging materials for future transport or storage.
2. **Rack Mounting:** The M-10X E is designed to fit into a standard 19-inch equipment rack. Secure the unit using appropriate rack screws (not included) through the mounting ears on the front panel. Ensure the unit is stable and properly supported.



Figure 1: Front angled view of the Furman M-10X E, illustrating its rack-mountable design and front panel controls.

3. **Power Connection:** Connect the attached power cord from the M-10X E to a grounded AC power outlet. Ensure the outlet provides the correct voltage (230 Volts) and is capable of handling a 10-amp load.
4. **Connecting Equipment:** Plug your audio/video equipment into the ten switched outlets located on the rear panel of the M-10X E.



Figure 2: Rear view of the Furman M-10X E, highlighting the ten switched outlets for connecting various devices.



Figure 3: A detailed view of the rear outlets, showing the spacing and type of connections available.

4. OPERATING INSTRUCTIONS

1. **Powering On/Off:** Use the "POWER ON" switch located on the front panel to turn the unit on or off. This switch controls power to all ten rear outlets.



Figure 4: Close-up of the front panel, displaying the main power switch and the "Protection OK" indicator light.

2. **Protection Indicator:** A "PROTECTION OK" indicator light on the front panel illuminates when the unit is providing surge protection. If this light is off, the surge protection circuitry may have been compromised, and the unit should be serviced.

5. MAINTENANCE

- **Cleaning:** Disconnect the unit from AC power before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Inspection:** Periodically inspect the power cord and connections for any signs of damage. Ensure all rack screws are tight.
- **Circuit Breaker:** The M-10X E features a rear-panel circuit breaker. If the unit loses power, check this breaker. If it has tripped, reset it by pushing it in. If it repeatedly trips, disconnect equipment and consult a qualified technician.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to connected equipment.	Unit is off, power cord disconnected, or circuit breaker tripped.	Ensure the "POWER ON" switch is engaged. Check that the power cord is securely connected to both the unit and the wall outlet. Reset the rear-panel circuit breaker if it has tripped.
"PROTECTION OK" light is off.	Surge protection circuitry has been compromised.	The unit may no longer be providing full surge protection. Contact Furman customer support for service or replacement.
Humming or buzzing from audio equipment.	Ground loop or AC line noise.	Ensure all equipment is properly grounded. The M-10X E's AC noise filtering should help; if not, further investigation into your system's grounding may be required.

7. SPECIFICATIONS

- **Model:** M-10X E
- **Brand:** Furman
- **Product Dimensions:** 19 x 7.5 x 1.75 inches
- **Item Weight:** 5.07 pounds
- **Capacity:** 10 Amps
- **Voltage:** 230 Volts
- **Manufacturer:** Alan Furman & Co Inc

- **ASIN:** B001ICVXFA




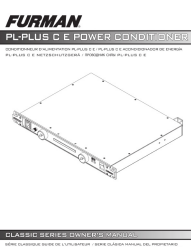
8. WHAT'S IN THE BOX



- Furman Power Line Conditioner (M-10X E)

9. WARRANTY AND SUPPORT

The Furman M-10X E Power Line Conditioner comes with a limited warranty. For detailed warranty information, technical support, or service inquiries, please refer to the official Furman website or contact Furman customer service directly. Keep your purchase receipt as proof of purchase for warranty claims. For further assistance, visit the official [Furman Store on Amazon](#).

Related Documents - M-10X E

	<p>Furman M-10x E / M-10Lx E Power Conditioner Owner's Manual</p> <p>Comprehensive owner's manual for Furman Merit Series M-10x E and M-10Lx E power conditioners. Learn about surge protection, RFI/EMI filtering, outlet configurations, LED lighting, and safety instructions.</p>
	<p>Furman Pro Plugs: Power Conditioners and Distribution Units</p> <p>Explore Furman Pro Plugs, including power conditioners (SS-6, SS-6B, SS-6B-Pro) and distribution units (PlugLOCK, ACX-25), offering surge protection, noise filtration, and reliable power for audio and video equipment. Features detailed specifications, safety guidelines, and warranty information.</p>
	<p>Furman F1500-UPS: 1500VA Uninterruptible Power Supply, Battery Backup, and Power Conditioner</p> <p>Detailed information on the Furman F1500-UPS, a 1500VA battery backup and power conditioner designed for audio/video professionals, featuring SMP surge protection, LiFT noise filtration, AVR voltage regulation, and True Sine Wave output.</p>
	<p>Furman PL-PLUS CE Power Conditioner Owner's Manual</p> <p>Comprehensive owner's manual for the Furman PL-PLUS CE power conditioner, detailing its features, safety instructions, operation, troubleshooting, and specifications. Includes SMP, EVS, and LiFT protection technologies.</p>

<p>Owner's Manual</p> <p>PS-8RE III Power Conditioner / Sequencer</p>  <p>FURMAN POWER CONDITIONING</p>	<p>Furman PS-8RE III Power Conditioner and Sequencer Owner's Manual</p> <p>The official owner's manual for the Furman PS-8RE III, detailing its advanced power conditioning, surge protection (SMP+), linear filtering (LiFT), and power sequencing features for audio-visual systems. Includes safety, operation, and troubleshooting guides.</p>
<p>FURMAN P-1400 AR E POWER CONDITIONER</p>  <p>PRESTIGE SERIES OWNER'S MANUAL</p>	<p>Furman P-1400 AR E Power Conditioner Owner's Manual</p> <p>Detailed owner's manual for the Furman P-1400 AR E Power Conditioner, covering features, specifications, installation, operation, troubleshooting, and warranty information. This unit provides True RMS Voltage Regulation, Series Multi-Stage Protection (SMP), and Linear Filtering Technology (LiFT).</p>