AudioQuest POWERQ707

AudioQuest PowerQuest 707 12-Outlet Power Conditioner and Surge Protector User Manual

Model: POWERQ707

1. INTRODUCTION

The AudioQuest PowerQuest 707 is a high-performance 12-outlet power conditioner and non-sacrificial surge protector designed to optimize the performance and protect your valuable audio/video equipment. It features advanced noise-dissipation technologies and robust surge protection to ensure clean, stable power delivery.

Figure 1: Front view of the AudioQuest PowerQuest 707.

2. SETUP AND INSTALLATION

2.1 Placement

The PowerQuest 707 features a rack-mountable design, allowing for seamless integration into standard home theater A/V racks. Ensure adequate ventilation around the unit.

2.2 Connecting to Power

1. Ensure the PowerQuest 707's power switch is in the **OFF** position.

2. Connect the supplied PQ-715 detachable power cable to the IEC inlet on the rear of the PowerQuest 707.

3. Plug the flat-to-wall 45° plug of the power cable into a grounded AC wall outlet. The flat-to-wall design facilitates installation in tight spaces.

Figure 2: Rear view of the PowerQuest 707 showing the IEC inlet and various outlets.

2.3 Connecting Your Equipment

The PowerQuest 707 features two types of outlets:

- **4x High-Current Outlets:** These outlets are specifically designed for power amplifiers, integrated amplifiers, powered receivers, and powered subwoofers. They minimize AC impedance to the amplifier power supply for optimal performance.
- **8x Ultra-Linear-Filtered Outlets:** These outlets are designed for source devices such as CD players, turntables, TVs, and streamers. They are isolated from the High-Current outlets to effectively manage noise.

Connect your audio/video components to the appropriate outlets. Ensure all connections are secure.

3. OPERATION

3.1 Powering On/Off

Once all connections are made, flip the power switch on the front panel to the **ON** position. The "Protection On" indicator light should illuminate.

Figure 3: Front panel detail showing the power switch and indicator lights.

3.2 Indicator Lights

- **Protection On:** This light indicates that the surge protection circuitry is active and functioning correctly.
- **Overvoltage Protection:** This light illuminates if the incoming AC voltage exceeds a safe threshold (140VAC). The unit will automatically shut down power to connected devices and reset once the voltage returns to a safe range.

3.3 Key Technologies

- **Non-Sacrificial Surge Protection:** The PowerQuest 707 can withstand multiple transient power surges and spikes up to 6000V or 3000A without damage. This protection is designed to be robust and does not degrade over time.
- **Ultra-Linear Noise-Dissipation:** This technology provides wide-bandwidth linear filtration across more than 20 octaves, ensuring consistent noise reduction. This contributes to a quieter background and enhanced audio/video clarity.
- **Transient-Power Correction:** A low-impedance circuit provides a reservoir of 45 amps (peak, up to 25mS) for current-starved amplification components. This ensures uncompressed current on demand, improving dynamic contrasts.

4. MAINTENANCE

The AudioQuest PowerQuest 707 requires minimal maintenance.

- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- Ensure that the ventilation openings are not obstructed.
- There are no user-serviceable parts inside the PowerQuest 707. Do not attempt to open the chassis.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution

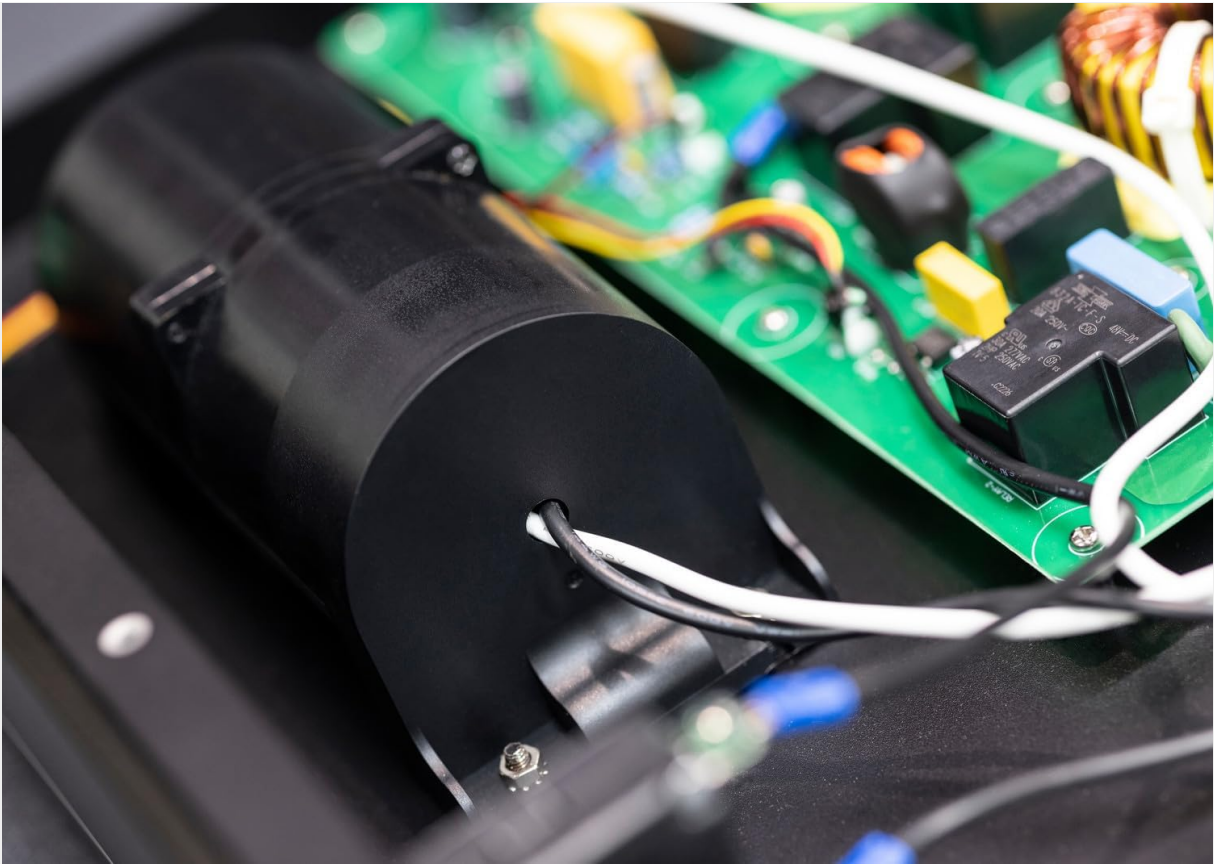| Problem	Possible Cause	Solution
"Protection On" light is off.	Unit is not powered on, or there is no AC input.	Ensure the power switch is ON. Check that the power cable is securely connected to both the unit and a live AC wall outlet.
"Overvoltage Protection" light is illuminated.	Incoming AC voltage is too high.	The unit has automatically shut down. It will reset once the voltage returns to a safe range. If the problem persists, consult an electrician.
No power to connected devices.	PowerQuest 707 is off, or devices are not properly connected.	Verify the PowerQuest 707 is powered on and the "Protection On" light is illuminated. Check that all device power cables are securely plugged into the PowerQuest 707 outlets.
No perceived improvement in audio/video performance.	Perception of improvement can vary based on existing electrical conditions and connected equipment.	Ensure all components are connected to the appropriate outlets (High-Current vs. Ultra-Linear-Filtered). Allow time for your system to acclimate.

6. SPECIFICATIONS

Figure 4: Top-down view of the PowerQuest 707, highlighting front and rear features.

- **Model:** POWERQ707
- **Outlets:** 12 (4x High-Current, 8x Ultra-Linear-Filtered)
- **Non-Sacrificial Surge Protection:** Withstands multiple strikes up to 6000V / 3000A
- **Extreme-Voltage Shutdown:** Activates at 140VAC, resets automatically

- **Transient-Power Correction:** 45 amps peak (up to 25mS)
- **Product Dimensions:** 14.9 x 17 x 3.7 inches (37.8 x 43.2 x 9.4 cm)
- **Item Weight:** 16.7 pounds (7.57 kg)
- **Material:** Metal
- **Compatible Devices:** Desktop, Server (and other audio/video components)
- **Power Cable:** PQ-715 2m Detachable Power Cable with Flat-to-Wall Plug

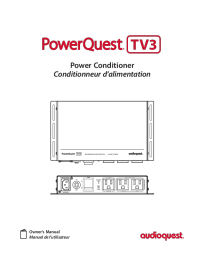## 7. WARRANTY AND SUPPORT

7.1 Warranty Information

For detailed warranty information, please refer to the warranty card included with your product or visit the official AudioQuest website. Keep your proof of purchase for warranty claims.

7.2 Technical Support

If you encounter any issues not covered in this manual or require further assistance, please contact AudioQuest customer support. Contact details can typically be found on the AudioQuest website or in the product packaging.

Visit the AudioQuest Official Website

Related Documents - POWERQ707

	AudioQuest PowerQuest 707 EU AC Power Conditioner: Owner's Manual Detailed owner's manual for the AudioQuest PowerQuest 707 EU AC Power Conditioner. Covers features, installation, connections, operation, troubleshooting, specifications, and warranty information for optimizing audio and video system power.
	AudioQuest PowerQuest 3 User Manual: Power Conditioner and Surge Protector User manual for the AudioQuest PowerQuest 3 power conditioner and surge protector. Covers introduction, safety, installation, specifications, hook-up guide, operation, troubleshooting, and warranty information.
	AudioQuest PowerQuest TV3 Power Conditioner Owner's Manual User manual for the AudioQuest PowerQuest TV3 power conditioner, detailing features, installation, operation, specifications, and warranty for optimal audio-video system performance.

[AudioQuest PowerQuest 303 Power Conditioner Owner's Manual](#)
Comprehensive owner's manual for the AudioQuest PowerQuest 303 Power Conditioner, detailing features, installation, operation, specifications, and warranty for optimal audio and video system performance.

[AudioQuest Euro Price Book - October 2025](#)
Explore the comprehensive AudioQuest Euro Price Book for October 2025, featuring high-performance audio and video cables, power solutions, and accessories. Discover detailed product specifications, model numbers, and pricing.

[AudioQuest JitterBug Filtro USB: Manuale di Volo](#)
Scopri il filtro USB AudioQuest JitterBug, progettato per ridurre interferenze e migliorare la qualità audio su DAC, telefoni, streamer e altri dispositivi. Manuale completo per ottimizzare il tuo sistema audio.