

## AudioQuest AQT-PQ505NA

# AudioQuest PowerQuest 505 Instruction Manual

High-Performance Power Conditioner & Non-Sacrificial Surge Protector

## INTRODUCTION

Thank you for choosing the AudioQuest PowerQuest 505. This high-performance power conditioner and non-sacrificial surge protector is designed to enhance the performance and protect your valuable audio and video equipment by providing clean, stable power and robust surge protection. The PowerQuest 505 features 12 AC outlets, including 4 high-current outlets for amplifiers and 8 ultra-linear filtered outlets for source components, ensuring optimal power delivery and noise dissipation.

## KEY FEATURES

- **Ultra-Linear Noise-Dissipation:** Ensures consistent noise reduction for black backgrounds and detailed sound.
- **Non-Sacrificial Surge Protection:** Reliably withstands multiple strikes of 6000V or 3000A without damage.
- **Extreme-Voltage Shutdown:** Disengages AC power in under 0.25 seconds when presented with 140VAC.
- **12 AC Outlets:** Includes 4 High-Current outlets for amplifiers and 8 Ultra-Linear Filtered outlets for source components.
- **Detachable Power Cable Included:** A 2-meter PQ-715 Detachable Power Cable is provided to avoid current compression, reduce distortion, and dissipate noise.
- **Rack Mountable:** 2RU Rack Ears are included for simple rack-mounting.
- **Flat to Wall Plug:** Aids installations in tight spaces.

## SETUP

1. **Unpacking:** Carefully remove the PowerQuest 505 from its packaging. Inspect for any signs of damage.
2. **Placement:** Position the PowerQuest 505 in a stable location, either on a flat surface or mounted in a standard 2RU rack using the included rack ears. Ensure adequate ventilation around the unit.
3. **Power Connection:** Connect the provided PQ-715 detachable power cable to the IEC inlet on the rear of the PowerQuest 505. Plug the other end of the power cable into a grounded AC wall outlet.
4. **Component Connection:**

- For high-current devices such as power amplifiers, receivers, or powered subwoofers, use the **High-Current Outlets (1-4)**.
- For source components like CD players, DACs, preamplifiers, or media streamers, use the **Ultra-Linear Filtered Outlets (5-12)**.

Ensure all components are powered off before connecting them to the PowerQuest 505.

5. **Initial Power On:** Once all connections are secure, flip the main power switch on the front panel of the PowerQuest 505 to the "ON" position. The "Protection On" indicator light should illuminate.



*Image: Rear panel of the AudioQuest PowerQuest 505, illustrating the power input and the arrangement of the 12 AC outlets, including high-current and ultra-linear filtered sections.*



*Image: A detailed view of the rear panel of the PowerQuest 505, showing the detachable PQ-715 power cable connected to the unit's IEC inlet.*

## OPERATING INSTRUCTIONS

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The AudioQuest PowerQuest 505 operates automatically to provide clean power and surge protection. There are minimal user controls beyond the main power switch.

- **Power On/Off:** Use the main power switch on the front panel to turn the unit on or off.
- **Indicator Lights:**
  - **"Protection On" (Green LED):** This light indicates that the surge protection circuitry is active and functioning correctly. It should be illuminated whenever the unit is powered on.
  - **"Overvoltage Protection" (Red LED):** This light illuminates if the incoming AC voltage exceeds a safe threshold (e.g., 140VAC), triggering the Extreme-Voltage Shutdown feature. The unit will automatically disengage power to protect connected equipment. Once the voltage returns to a safe level, the unit will automatically reset.
- **Reset Button:** A reset button is located near the power inlet on the rear panel. In rare cases, if the unit does not power on after an event, you may press this button to reset the internal circuit breaker.



Image: Front panel of the AudioQuest PowerQuest 505, highlighting the power switch and the "Protection On" and "Overvoltage Protection" indicator LEDs.

## MAINTENANCE

The AudioQuest PowerQuest 505 requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure that the ventilation slots (if any) are not obstructed to prevent overheating.
- **Cable Management:** Periodically check all connected power cables to ensure they are securely plugged in and not under undue strain.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to connected devices.	Unit is not powered on. Wall outlet has no power. Internal circuit breaker tripped. Extreme-Voltage Shutdown activated.	Ensure the main power switch is in the "ON" position. Verify the wall outlet is functional by plugging in another device. Press the reset button on the rear panel. Check the "Overvoltage Protection" LED. If illuminated, wait for AC voltage to stabilize.
"Overvoltage Protection" LED is red.	Incoming AC voltage is too high.	The unit has automatically disconnected power to protect equipment. It will reset when voltage returns to normal. If this occurs frequently, consult an electrician.

Problem	Possible Cause	Solution
"Protection On" LED is off when unit is on.	Indicates a potential issue with the surge protection circuitry.	Contact AudioQuest customer support. The non-sacrificial design means this is unlikely, but if it occurs, seek professional assistance.

SPECIFICATIONS

Attribute	Value
Product Dimensions	13.4 x 17 x 3.5 inches
Item Weight	10.8 pounds
Model Number	AQT-PQ505NA
Brand	AudioQuest
Color	Black
Material	Metal
Connector Type	AC Plug
AC Outlets	12 (4 High-Current, 8 Ultra-Linear Filtered)
Surge Protection	Non-Sacrificial, withstands 6000V/3000A
Extreme-Voltage Shutdown	Disengages power under 0.25 seconds at 140VAC

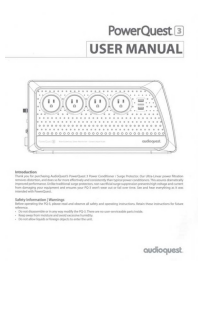
WARRANTY AND SUPPORT

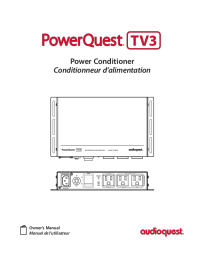


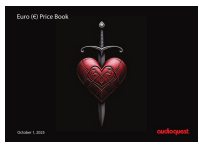

AudioQuest products are manufactured to the highest quality standards. For specific warranty information and terms, please refer to the warranty card included with your product or visit the official AudioQuest website. For technical support, troubleshooting assistance, or service inquiries, please contact AudioQuest customer support through their official channels.

AudioQuest Official Website: [www.audioquest.com](http://www.audioquest.com)

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Related Documents - AQT-PQ505NA

	<p><a href="#">AudioQuest PowerQuest 3 User Manual: Power Conditioner and Surge Protector</a></p> <p>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.</p>
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	<p><a href="#">AudioQuest PowerQuest TV3 Power Conditioner Owner's Manual</a></p> <p>User manual for the AudioQuest PowerQuest TV3 power conditioner, detailing features, installation, operation, specifications, and warranty for optimal audio-video system performance.</p>
	<p><a href="#">AudioQuest PowerQuest 707 EU AC Power Conditioner: Owner's Manual</a></p> <p>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.</p>
	<p><a href="#">AudioQuest PowerQuest 303 Power Conditioner Owner's Manual</a></p> <p>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.</p>
	<p><a href="#">AudioQuest Euro Price Book - October 2025</a></p> <p>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.</p>
	<p><a href="#">AudioQuest DragonFly Black v1.5: Flight Manual &amp; Setup Guide</a></p> <p>Comprehensive guide to setting up and using the AudioQuest DragonFly Black v1.5 USB DAC with computers, mobile devices, and accessories like JitterBug and DragonTail. Learn about audio formats, system preferences, and device management.</p>