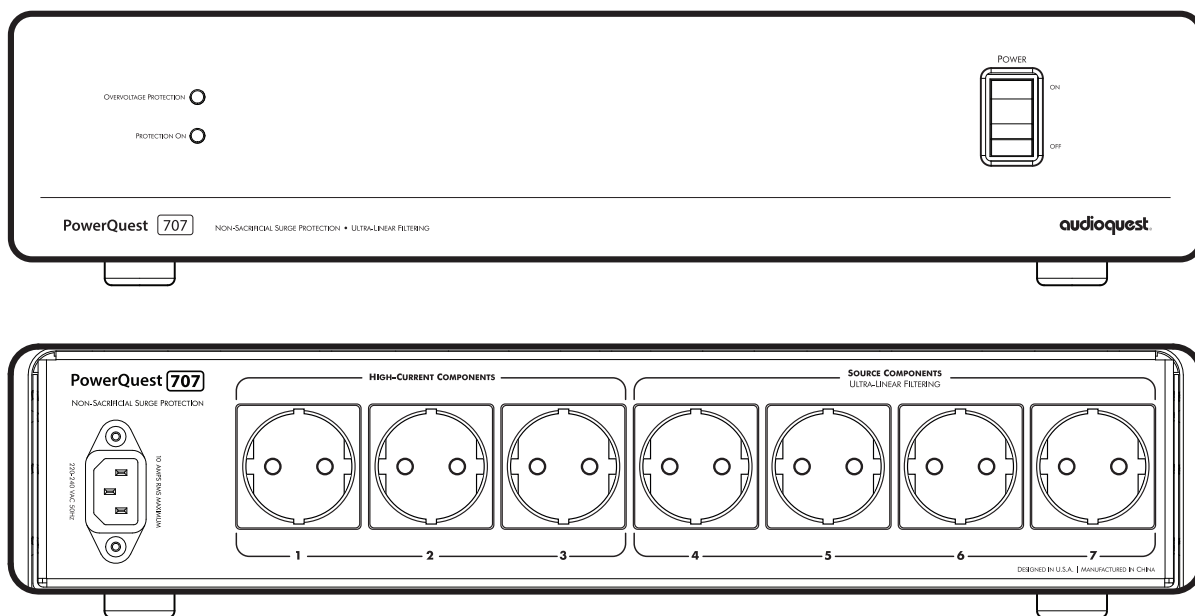


PowerQuest® **707**

[Schuko-EU]

Power Conditioner



Diese Bedienungsanleitung in Deutscher Sprache finden Sie unter audioquest.com/powerquest

De Nederlandstalige handleiding is te vinden op audioquest.com/powerquest

Este manual en español se puede encontrar en audioquest.com/powerquest

Данное руководство на русском языке можно найти на сайте audioquest.com/powerquest

该中文手册可在audioquest.com/powerquest找到。



Owner's Manual

audioquest®

ENGLISH

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PowerQuest 707 EU Features

- 45 Amps peak Transient Power Correction (up to 25 mS)
- Ultra-Linear Differential Filter: 8kHz – 1GHz (well in excess of 22dB)
- Ultra-Linear Common-Mode Filter: 30kHz – 100MHz (well in excess of 22dB)
- Both filters linearized for (rising) line impedance with frequency from 0.05 Ohms (source) and 10 to 50 Ohms load (system current dependent)
- Non-Sacrificial Surge Suppression (will withstand multiple strikes of 6000V or 3000A without damage)
- Extreme Voltage Shutdown: 270VAC. Will activate main circuit relay in under 0.25 seconds. Automatically resets once incoming voltage is within a safe range
- (3) High-Current spec-grade outlets; (4) Ultra-Linear Filtered Source outlets
- Detachable 2-meter PowerQuest PQ-716 AC cord featuring ZERO-Tech and RF/ND-Tech
- Ultra-low impedance magnetic circuit breaker/power switch
- Maximum Input Current Capacity: 10A RMS
- 2RU rack mountable metal chassis (rack ears included)

Introduction

The science of AC power is not simple; it demands focus, and the devil is in the details. In fact, the mammoth increase in airborne and AC-line-transmitted radio signals, combined with overtaxed utility lines and the ever-increasing demands from high-definition audio/video components, has rendered our utilities' AC power an antiquated technology.

Where Alternating Current (AC) is concerned, we're relying on a century-old technology created for incandescent lights and electric motors—technology that was certainly never meant to power the sophisticated analog and digital circuits used in premium audio/video systems. To properly accommodate the promise of today's ever-increasing bandwidth and dynamic range, we must achieve extraordinarily low noise across a wide range of frequencies.

Further, today's power amplifiers are being taxed for instantaneous peak-current demand, even when they're driven at modest volumes. Although we have seen a substantial increase in both dynamics and bass content from our audio software, the loudspeakers we employ to reproduce them are no more efficient than they were two to four decades ago. This places great demands on an amplifier's power supply, as well as the source AC power supplying it.

Our systems' sensitive components need better alternating current—a fact that has resulted in a host of AC power conditioning, isolation transformers, regeneration amplifiers, and battery back-up system topologies. Through differential sample tests and spectrum analysis, it can be proven that up to a third of a high-resolution (low-level) audio signal can be lost, masked, or highly distorted by the vast levels of noise riding along the AC power lines that feed our components. This noise couples into the signal circuitry as current noise and through AC ground, permanently distorting and/or masking the source signal.

All sincere attempts to solve this problem must be applauded since once the audio/video signal is gone, it's gone forever...

For AudioQuest, honoring the source is never a matter of simply using premium "audiophile-grade parts" or relying on a proprietary technology—common approaches used within the audiophile market. For years, we have all been witness to the same, seemingly endless audiophile debates: Valves versus transistors. Analog versus digital. Can cables really make a difference? The debates go on and on. While we, too, can brag

about our many unique technologies, we realize that true audio/video optimization is never a matter of any one secret or exotic circuit. When it comes to noise dissipation for AC power, many approaches can yield meaningful results. However, they may also impart ringing, current compression, and non-linear distortions that are worse than the disease.

The PowerQuest 707 EU uses the widest bandwidth-linearized noise-dissipation circuit in its class. Our unique passive/active Transient Power Correction Circuit features an instantaneous current reservoir of over 45 amps peak, specifically designed for modern current-starved power amplifiers. Most AC power products featuring “high-current outlets” merely minimize current compression; the PowerQuest 707 EU works to correct it.

Though it’s easy to boast, it’s quite another thing to create a solution that is consistent, holistic, functional, and that honors verifiable science. It’s not enough to reduce AC line noise and its associated distortions at just one octave, thus leaving vulnerable the adjacent octaves and octave partials to noise, resonant peaking, or insufficient noise reduction. Consistency is key. We should never accept superior resolution in one octave, only to suffer from masking effects a half-octave away and ringing artifacts two octaves from there. This is the principal criterion for all AudioQuest’s AC power products.

The PowerQuest 707 EU represents over 25 years of exhaustive research and proven AC power products designed for audiophiles, broadcast engineers, and professional audio applications. We welcome you to experience the PowerQuest 707 EU and hear firsthand the remarkable results of highly optimized power management.

—Garth Powell, Senior Director of Engineering, AudioQuest

Installation | Unpacking

Before unpacking your PowerQuest 707 EU, inspect the carton for any obvious damage to the boxes and internal protective materials. If internal damage is likely, contact the carrier who delivered the unit. If shipping damage is evident on the product, then please contact your shipping carrier. Please save all shipping and packing materials. Should you move or otherwise need to transport your PowerQuest 707 EU, these packing materials will ensure the safest transportation. The carton should contain the PowerQuest 707 EU (220-240V Schuko AC Outlets), two foam inserts, owner's manual, rack-mount kit, and 2m PowerQuest PQ-716 AC power cord. Registration is recommended. In the event that your original ownership documents are lost, your registration can be used to establish whether the unit is within the warranty period.

Safety Information | Warnings

Before operating the PowerQuest 707 EU, please read and observe all safety and operating instructions. Retain these instructions for future reference.

- Do not disassemble or in any way modify the PowerQuest 707 EU. There are no user-serviceable parts inside.
- Keep away from moisture and avoid excessive humidity.
- Do not allow liquids or foreign objects to enter the unit.

Servicing | Return to AudioQuest

Servicing of the PowerQuest 707 EU must be performed by AudioQuest, and is only required when:

- The PowerQuest 707 EU has been exposed to rain, flooding, or extreme moisture.
- The PowerQuest 707 EU does not appear to operate normally. (See "Trouble-Shooting Guide.")
- The PowerQuest 707 EU has been dropped and sustained considerable physical damage.

If sending the PowerQuest 707 EU to AudioQuest for servicing (or shipping it for any reason), please use the factory-approved packaging materials. If you have lost any of these (carton, two foam inserts, one poly bag), please contact AudioQuest for replacements. We will provide replacement packaging materials for a nominal charge; shipping costs will be paid by the individual or company requesting the packaging material. Please do not rely on other methods of packaging, including those provided or suggested by packaging/ mailing stores. These methods and materials could seriously damage the product, as well as its finish. Even the loss of the thick polybag is enough to permanently damage the finish during transport. If you have lost the original packaging material, please request replacement materials from AudioQuest.

Power Source

Ideally, the power source to which the PowerQuest 707 EU is connected should be adequate for use at 220-240V single phase nominal voltage, 10 amps (current capacity RMS or greater).

For proper operation, the PowerQuest 707 EU requires a safety ground (supplied via the power utility AC wall outlet).

Placement

The PowerQuest 707 EU is manufactured with four rubber textured polymer feet for safe, secure placement on any table, cabinet, shelf, or floor. When rack-mounting is required, these feet may be removed with a standard Phillips screwdriver. Placement or proximity to other components is not critical, and, under standard use, the PowerQuest 707 EU does not produce any appreciable heat. The PowerQuest 707 EU may be rack-mounted in a standard 19" rack by attaching the included 2-RU rack ears. To attach the optional

rack ears to the PowerQuest 707 EU chassis, first remove the three Phillips flathead screws from the front portion of both the left and right sides of the cover assembly. Next, mount the rack ears flush against the back of the PowerQuest 707 EU's front panel. Finally, secure the rack ears into place by installing the rack-mount kit's Phillips pan head screws.

When tight installations do not provide adequate room in a rack, shelf, or cabinet, the PowerQuest 707 EU can be placed on its side. Such placement will pose no safety or performance compromises, but we recommend placing a soft towel or carpet under the unit to prevent the chassis and front panel from being scratched or marred in any way.

Connection to Audio/Video Components

AC Cable Routing

Once the PowerQuest 707 EU is placed, a 15-amp-rated (or greater), high-current AC cord must be connected to the rear-panel AC inlet (IEC-C14) connector. The AC cord must have an IEC-C13 female end connector and a grounded male 220-240VAC Edison/NEMA plug. We highly recommend the use of the supplied PowerQuest PQ-716 AC cord or any AudioQuest NRG-Z, Wind Series, or High-Current Storm Series AC cable.

When facing the PowerQuest 707 EU's rear panel, the IEC-C14 inlet is located on the unit's lower-left side. The AC inlet cord must be connected to an appropriate AC outlet (see "Power Source").

Whenever possible, it is best to keep at least three inches (approximately 7cm) between AC cables and any signal cable. When this is not possible in a practical layout of system cabling, crossing the AC cables to signal cables at 90 degrees is best to minimize induced noise.

High-Current | Low-Z Power Outlets

There are three High-Current/Low-Z Power outlets (labeled "1" through "3"—three discrete outlets in all). These outlets feature our Transient Power Correction Technology (45 amps peak - up to 25 mS duration) and are designed to enhance the performance of power amplifiers via our circuit's low-impedance transient current reservoir. Power amplifiers, monoblock amplifiers, integrated amplifiers, powered receivers, or powered subwoofers should be connected to these outlets.

Regardless of class of operation or circuit topology (valve, solid-state, digital, or otherwise), the Transient Power Correction Circuit will not compress the current of any power amplifier. Quite to the contrary, it will improve the amplifier's performance by supplying the low-impedance current source that the amplifier's power supply so desperately needs.

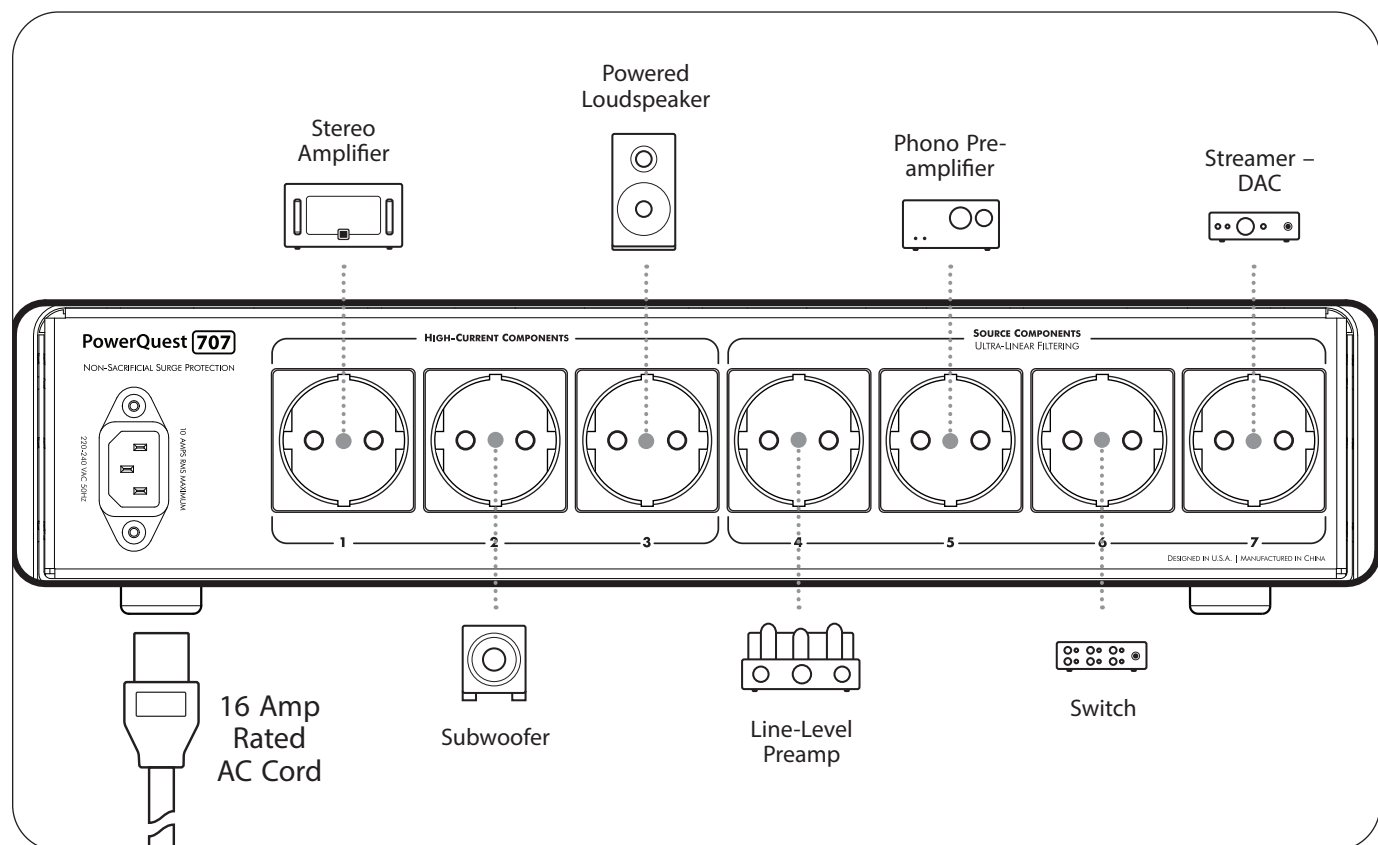
However, the other four AC outlets (Ultra-Linear Noise-Filtering), are not optimized for most power amplifiers. They have been optimized for line-level audio preamplifiers, DACs, universal players, turntables, and video products that utilize constant-current voltage amplifier circuits. These circuits never suffer from current compression, but their lower input level and higher gain require a more robust means of noise dissipation. This is key to the PowerQuest 707 EU's discrete AC power banks, in that not every circuit is treated the same, but rather isolated bank by bank and optimized for best performance.

Ultra-Linear Filtered Power Outlets

There are four outlets (4 discrete outlets in all, labeled “4” through “7”) that utilize this technology within the PowerQuest 707 EU. All four of these are in turn isolated from the High-Current/Low-Z outlets, labeled 1 through 3. This offers a great advantage in controlling the complex interactions of RF (radio frequency) and other induced noises present in the AC power supplied from your utility, the noise that will be present on and in every AC cord, and the noise that is produced within your system’s components and that “backwashes” into the PowerQuest 707 EU’s output circuits.

Though it would be simple to recommend putting the digital or video components into outlets 4, 5 and the line-level audio components and turntables into outlets 6 and 7, the quest for optimal performance is more complex. This scenario will work, and likely work well, but a certain amount of experimentation is best given the fact that no filter can eliminate 100% of all noise. The size of many of these RF-induced waveforms possess sinewaves as small as the edge of a piece of paper, and the interactions are complex. So long as the power amplifiers are in their appropriate outlets (1 through 3), and the other components are in outlets 4 through 7, you should experience exemplary performance.

Suggested AC Connections



Note: Outlets 4 through 7 are subject to many variables and circuit conditions, so experimentation for best results is encouraged. Power amplifiers must be connected to outlets 1 through 3.

Operation and Continuous Use

Power Switch | Circuit Breaker and LED Power Indicator

Once the AC cords are properly connected to the AC source tap, and the components are connected to the appropriate outlet banks, it is safe to energize the PowerQuest 707 EU. On the right-hand side of the PowerQuest 707 EU's front panel, there is a black rocker switch. Firmly press the rocker switch so that its upper portion is flush with the front panel. Typically, within a couple of seconds, you should hear an audible "clack" sound(s) from one or more relays within the PowerQuest 707 EU. At the same time, the front-panel LED power indicator will glow green, signifying that the unit is operational. (If this does not occur, see the "Trouble-Shooting Guide" in this manual.)

PowerQuest 707 EU Current Draw

The Transient Power Correction Circuit creates a reactive current draw of as much as 3 to 4 amps RMS at idle (real-world draw is a small fraction of an amp), and electrical technicians who connect a current probe to a product such as this are frequently alarmed: They suspect that the product is either broken or that it is drawing a distressingly high amount of current from the wall outlet (akin to an AV receiver left in full operational mode).

This is far from the truth. If the PowerQuest 707 EU was consuming that much current (or even 30% of that level), it would need to dissipate the energy loss in heat. It would be quite warm (even hot) to the touch, just like most power amplifiers while in operation. In fact, the PowerQuest 707 EU runs cool, precisely because this current reading is false. The circuit utilizes massive capacitive reactance across the AC line, which, akin to a battery, will both absorb and immediately release the current several times per second. Further, when incorporated with power supplies such as those found in power amplifiers, the current readings actually come down. This is due to what's known as a vector load, and it's quite dynamic in an audio/video system. In this scenario, there is one thing that can run somewhat warmer than it might otherwise: the AC cord that supplies power to the PowerQuest 707 EU. This is because the wiring and the circuit breaker that supply power to PowerQuest 707 EU simply look at RMS current and do not distinguish between reactive loads, resistive loads, or inductive loads, but your utility does.

This circuit and many like it have been utilized for many years, and, when tested into buildings with absolutely no loads present aside from the transient power correction circuit, there was virtually zero power draw from the utilities' power meter. Still, in an age where so-called "smart meters" are omnipresent, and some utilities may or may not change their standards for "what type of power or current is suitable for billing," we have gone to great lengths to offer an alternative to those who may be concerned, but who nevertheless wish to achieve the best possible audio/video performance.

Overvoltage Protection Indicator

One portion of the PowerQuest 707 EU's non-sacrificial surge protection is dedicated to a fast-acting extreme voltage shutdown circuit. If more than 270VAC is present on the incoming AC line for more than a quarter of a second, the circuit will instantly open a high-current relay that will disengage the AC power from all the PowerQuest 707 EU's AC outlets, activating the red front-panel LED "Overvoltage Protection" warning indicator. Once the event has passed, or the building wiring fault has been corrected, the circuit will automatically re-engage.

Break-in Time | Continuous Use

The PowerQuest 707 EU is made of a variety of passive and active components. As such, the PowerQuest 707 EU will benefit from continuous use, just like any other audio/video component. This is not to say that you will be made to “suffer” through weeks or months of intolerable performance until that “magic day” when the parts are fully formed and ready. On the contrary, the PowerQuest 707 EU will perform very well from the first moment you use it. It will improve gradually, in small increments, over a period of approximately two weeks. While leaving the PowerQuest 707 EU turned on during this period will aid the process, it is also perfectly acceptable to turn the unit off; doing so will simply increase the time it takes to reach final “break-in.”

The PowerQuest 707 EU has a 5-year warranty, but it was designed to last for over two decades. Provided that the PowerQuest 707 EU is used inside a home, store, studio, or office with a reasonable climate (7 degrees to 38 degrees Celsius, with less than 20% humidity), it can be left on continuously; there are no parts that will wear out.

Specifications

PowerQuest 707 EU

- **Surge Suppression:** Non-sacrificial (nothing to damage with repeated 6000V/3000A input surge tests, which is the maximum that can survive through a building's AC electrical panel).
- **Extreme Voltage Shutdown Voltage:** 270VAC (will activate the main high-current relay to open within less than 0.25 second; automatically resets once the incoming power is within a safe range).
- **Differential-Mode Noise Filtering:** Well in excess of 22dB from 8kHz to 1GHz, linearized for dynamic (rising) line impedance with frequency (source) and 10- to 50-ohm load, *system current dependent*.
- **Common-Mode Noise Filtering:** Well in excess of 22dB from 30kHz to 100MHz, linearized for dynamic (rising) line impedance with frequency (source) and 10- to 50-ohm load, *system current dependent*.
- **Maximum Input Current Capacity:** 10 amps RMS
- **7 AC Outlets:** 3 High-Current/Transient Power Correction; 4 Ultra-Linear Filtering.
- **Power Consumption:** Typically, less than 0.5 amps at 220-240 VAC input, with all connected components operational. (*This is dependent on a reactive vector load. For more info, see "Operation and Continuous Use: PowerQuest 707 EU Current Draw."*)
- **Dimensions:** 43.0 cm W x 8.6 cm H (9.4 cm w/ feet attached) x 38.0 cm D (2-RU rack-mounting ears are provided)
- **Weight:** 7.6 Kg.

PowerQuest PQ-716 AC Power Cable (2m | 6'7")

- 2.5 mm² | 16A RMS capacity @ 220-240V 50Hz; NEMA male wall plug and IEC C-13 female connector
- Semi-Solid Concentric Long-Grain Copper (LGC) Conductors
- ZERO-Tech (No Characteristic Impedance) for uncompressed current transfer
- RF/ND-Tech minimizes circuit misbehavior by cancelling induced RF noise
- Direction-Controlled Conductors ensure induced noise is properly drained and dissipated

Trouble-Shooting Guide

At AudioQuest, we always appreciate hearing from you. However, if you have questions, problems, or suspect that your PowerQuest 707 EU requires service, please start here.

There is no power to any of the AC outlets.

When the PowerQuest 707 EU's front-panel LED power indicator glows green, the unit is operational. If the Protection On indicator is not lit, consider the following:

- Is the upper portion of the front-panel rocker switch fully flush with the chassis?
- Is the input AC cord fully inserted into the PowerQuest 707 EU's AC inlet?
- Is the input AC cord properly plugged into the wall AC service outlet?
- Is the wall's AC outlet functioning properly?

Plug into the outlet another component, product, or lamp to verify that power is present, and that the electrical panel's circuit breaker has not tripped. If there are only one or two AC outlets that have no output power, a component may be malfunctioning. Verify the AC output with a known simple device such as a lamp.

There is no power to any of the AC outlets and the red front-panel Overvoltage Protection indicator is lit.

This indicates that either there is more than 270VAC (+/-5V) present on the wall's AC service outlet, or the PowerQuest 707 EU's protection circuit is mis-calibrated. The latter is quite rare. (This circuit is adjustable, but it's tested and retested before it leaves the factory, and it's glued into place, so shipping will not affect it.) Use an AC voltage meter to determine if your outlet has too much voltage to be safe for operation, or if there is a wiring fault that is causing this to occur.

Once the power is brought into a safe range for operation (180VAC to 265 VAC), the PowerQuest 707 EU's protection circuit will automatically switch to operational mode and the green power indicator will light.

The main power rocker switch/circuit breaker tripped to the lower (off) position while the system was playing.

You may have exceeded the maximum current capacity of the PowerQuest 707 EU. This should be rare, but it may be possible. Typical power amplifiers draw about one-third of their maximum current consumption at 220-240VAC, as listed in the product's specifications (typically found in their owner's manual). This is further complicated by the fact that the power consumption to all AC outlets (1 through 7), is a cumulative draw on the maximum current capacity of 10 amps that will trip this power switch/magnetic circuit breaker.

The Transient Power Correction Circuit may also contribute to the overall draw seen by the circuit breaker. Still, it should be rare that the total capacity is exceeded, but, given that some televisions, projectors, and power amplifiers can draw substantial current, it is certainly not impossible. If this is the case, an additional PowerQuest 707 EU, and a discrete 16-amp AC service on the same phase of the electrical panel, will be required for some or all the power amplifiers.

A technician or electrician found that my PowerQuest 707 EU consumes over 3 amps of current. Is it broken?

No, it's not broken, and it's not drawing 3+ amps in any conventional sense. The PowerQuest 707 EU's Transient Power Correction Circuit creates a reactive current draw of as much as 3 to 4 amps RMS at idle, and, when incorporated with power supplies such as those found in power amplifiers, the current readings decrease. This is a vector load, which will vary with the connected equipment. When plugged into an AC service that has no other electrical draw, it is typical to see a real-world RMS power draw well below 60 watts at idle.

My home or grounds were hit by lightning. The PowerQuest 707 EU seems to be functioning properly. Should it be sent in for inspection or service?

If you see or smell smoke coming from the unit, it needs service. Otherwise, if it functions after such an event (which is very likely), there is nothing that would be compromised or damaged. If it fails after such an event, it will fail totally. However, it's unlikely that this would occur. The circuit is designed to easily handle any voltage or current surge that could possibly make it past an electrical panel. The force required to damage the PowerQuest 707 EU via a power surge would melt the panel and burn the building (in which case, the PowerQuest 707 EU is the least of your worries).

How do I clean the chassis?

The PowerQuest 707 EU's black-painted chassis and black anodized front panel can be cleaned with AudioQuest CleanScreen, or a modest misting of household window cleaners. Please use soft cotton or wool toweling to remove the liquid from the metal and painted surface. Never use alcohol or solvent-based cleaners. They can damage the surfaces, paint, and silk-screening material.

I hear a slight buzzing sound coming from the PowerQuest 707 EU. Is it damaged?

No, it's not damaged (or, at least, damage is very unlikely). If you're in an extraordinarily quiet room and you hear this faint buzzing sound only when in relatively close proximity to the PowerQuest 707 EU, or only when you place your ear next to the unit, the buzzing is normal and, unfortunately, cannot be entirely eliminated.

What you are experiencing is a variation on the effect called magnetostriction. When an extraordinarily high quantity of harmonic distortion is present on an AC line, a portion of the Transient Power Correction circuit that is hermetically sealed and damped can mechanically buzz as its internal electrical plates resonate at 50 Hertz and many octaves above. In order to reduce or eliminate this harmonic distortion, the circuit is trying to turn this distortion into heat. This has no effect on the performance or longevity of the PowerQuest 707 EU or its connected components.

Warranty

The Quest Group, DBA: AudioQuest, warrants to the original purchaser of this AudioQuest PowerQuest 707 EU, will be free from defects in material and workmanship for a period of one year. The purchaser of the product is allowed 30 days from the date of purchase to complete the warranty registration online at the AudioQuest website: <https://www.audioquest.com/page/eq-product-registration.html>. If the purchaser completes the aforementioned registration, the warranty period will be increased to five years from the date of purchase.

If the product does not conform to this Limited Warranty during the warranty period (as herein above specified), purchaser shall notify AudioQuest in writing (or e-mail), of the claimed defects. If the defects are of such type and nature as to be covered by this warranty, AudioQuest shall authorize the purchaser to return the product to the AudioQuest factory (2621 White Road, Irvine, California, 92614 USA). Warranty claims should be accompanied by a copy of the original purchase invoice showing the purchase date; this is not necessary if the Warranty Registration was completed by registering online at the AudioQuest website. Shipping charges to the AudioQuest factory (Irvine, California, USA) must be prepaid by the purchaser of the product. AudioQuest shall, at its own expense, furnish a replacement product or, at AudioQuest's option, repair the defective product. Return shipping charges back to the purchaser will be paid by AudioQuest.

All warranties contained herein are null and void if: the AudioQuest AC power product has been opened, improperly installed, altered in any way, or tampered with. AudioQuest is not responsible for any connected equipment or any claims of damage to connected equipment due to the occurrence of an AC power surge, spike, or over-voltage event, unless AudioQuest determines after thorough inspection and testing by AudioQuest (with product shipped to AudioQuest USA at the owner's expense), that the protection circuitry was in whole or in part improperly functioning. AudioQuest is not responsible for any connected equipment that is damaged due to external signal lines (non-AC power lines), that carry an electrical storm or signal wiring fault surge or spike (such as Ethernet, cable, and satellite connections). All AudioQuest AC power products, must be plugged directly into a properly wired AC power line with a protective ground.

AudioQuest AC power products cannot be "daisy-chained" together in serial fashion with other AC power strips, UPS devices, other AC surge protectors, AC power conditioners, three-to-two prong adapters, or AC extension cords. Any such installation voids the warranty. The AudioQuest warranty only protects against damage to properly connected equipment or AC cables where AudioQuest has determined, at its sole discretion, that the damage resulted from an AudioQuest power product circuit or protection circuit malfunction and does not protect against acts of God (other than lightning, such as flood or earthquake), war, terrorism, vandalism, theft, normal use wear and tear, erosion, depletion, obsolescence, abuse, damage due to low-voltage disturbances (i.e., brownouts or sags), or system equipment modification or alteration. Do not use this product in any way with a generator, heater, sump pump, water-related devices, life-support devices, medical devices, automobile, motorcycle, or golf-cart battery charger. To be used indoors only and in dry areas. All warranties contained herein are null and void if used in any way with any of the aforementioned devices.

THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. AudioQuest does not warrant against damages or defects arising out of improper or abnormal use or handling of the product, against defects or damages arising from improper installation, against defects in products or components not manufactured by AudioQuest, or against damages resulting from such non-AudioQuest made products or components. This warranty shall be cancelled by AudioQuest at its sole discretion if the product is modified in any way without written authorization from AudioQuest. This warranty also does not apply to products upon which repairs have been affected or attempted by persons other than pursuant to written authorized by AudioQuest.

THIS WARRANTY IS EXCLUSIVE. The sole and exclusive obligation of AudioQuest shall be to repair or replace the defective product in the manner and for the period provided above. AudioQuest shall not have any other obligation with respect to this product or any part thereof, whether based on contract, tort, strict liability, or otherwise. Under no circumstances, whether based on this Limited Warranty or otherwise, shall AudioQuest be liable for incidental, special, or consequential damages. AudioQuest employees or representatives' ORAL OR WRITTEN STATEMENTS DO NOT CONSTITUTE WARRANTIES, shall not be relied upon by purchaser, and are not a part of the contract for sale or this Limited Warranty. This Limited Warranty states the entire obligations of AudioQuest with respect to the product. If any part of this Limited Warranty is determined to be void or illegal, the remainder shall remain in full force and effect.

Warranty claims should be accompanied by a copy of the original purchase invoice showing the date of purchase. (If the product was registered online, this is not necessary.) Before returning any equipment for repair, please be sure it is adequately packed and cushioned in either the original or a new AudioQuest factory-supplied polybag, foam insert pair, and dual carton set to protect against damage in shipment, and that it is insured.

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