



Quantum
Resonant Technology

Pure power the purist way...



Revolutionary Technology

We live in a world where radiated pollution, instability and interference undermine AC line quality, seriously affecting the performance of electronic systems. Quantum Resonant Technology provides a unique and uncompromised approach to the treatment of AC mains power in critical signal applications. Quantum's proprietary, modular circuit delivers proven, measurable results without the negative effects that limit the performance of more conventional approaches.

The Problem

When we listen to music through a hi-fi system or watch a movie on a home theater, what we are actually hearing and seeing is the power supplies that drive that system, and on an even more fundamental level, the power that is fed to those supplies. It's a lesson the hi-fi industry has been slow to learn and even slower to deal with. Basic hardware like AC mains cords have only recently made it onto the hi-fi set-up agenda. Yet, the quality of the electricity reaching your system is critical to its performance, with EMF noise and waveform distortion all undermining the performance of those expensive hi-fi components you've invested in.

While conventional filters can limit the destructive impact of these problems, they impose their own associated performance costs, raising the source impedance and reducing the peak current capabilities of the AC line. These limitations cause their own readily audible or visible side effects, limiting musical dynamics and robbing images of depth and color.

The Answer

QRT's proprietary circuitry acts at the source of the problem, reducing EMF noise and RFI interference effects as well as improving the consistency and regularity of the AC mains waveform – and it does it without limiting the voltage swing or altering the impedance of the AC supply. Which makes the job of your hi-fi's power supplies much, much easier – and that's what you hear from your system or see on your screen. Use a QRT purifier and you'll experience a lower noise floor, greater clarity and separation and increased dynamic range, qualities that are just as apparent (and measurable) when it comes to the color, definition and detail on your AV display as they are in the context of a really great stereo set up. The result? Greater overall musical and visual coherence, more stable perspectives, greater realism.



QRT – the future for critical



The Next Generation

Quantum Resonant Technology has been researching the problems of AC mains pollution since 1997, resulting in the original Quantum module. Experience with that circuit clearly demonstrated that the more modules you use, the greater the benefit. Now, with the emergence of even more powerful, second generation modules, these have been grouped into multiple units, the QX2 containing two modules and the QX4 with twice that number. Superior casework delivers improved mechanical damping for further performance benefits. Dedicated international versions with specially selected, regional AC mains sockets ensure consistent results across the globe.

Many audio and videophiles have already enjoyed the benefits of Quantum Resonant Technology, in Nordost's multi-award winning Thor power distribution unit. Now, with the arrival of the QX2 and QX4, Quantum technology can be added to any system, simply by placing these standalone devices between your AC mains distribution unit and the wall socket. And because QRT works in a completely different way to existing approaches, its benefits are not just significant, their overall impact is also unique, its revolutionary nature making this a universally applicable technology, which is what makes QRT so exciting.

al signal transfer systems.



Putting Numbers on Performance

The measurable impact of Quantum technology can be expressed in many ways, but let's look at two simple but remarkable examples. Running a programmable Yamaha player piano from a Quantum unit produces an amazing 15% improvement in signal to noise ratio. Connected to a video display and analyzed on a pixel-by-pixel basis, the same unit generated a 16% improvement in color saturation. These are not the kind of differences you need instruments to measure, being clearly audible and visible. Experience Quantum for yourself, but if you want to see the data, we'll be publishing a range of results with different electronic components on our website.





Physical Specifications:

QX2 and QX4

Input Socket: 15 Amp IEC

Output Sockets:
US, Schuko 10 Amp or
UK 13 Amp

Electrical Output: Equivalent to Input

Dimensions:

10.63in (270mm) w
x 7.68in (195mm) d
x 3.15in (80mm) h

Weight: 10 lbs (5 kg)

Approvals: CE approved,
NEMKO certified, RoHS compliant



And a Word on Power Cords –

While QRT units will work with any power cords, high quality leads will reap further benefits. For those still using stock cords, Quantum has created an affordable lead of excellent performance. Based on heavily stranded 7-nines OFC conductors combined with proprietary mono-filament, air dielectric structure and high-quality connectors, QRT power cords will optimize the performance of any Quantum unit and the system connected to it.

Insulation:

Internal: Fluorinated Ethylene
Propylene (FEP)

Outer jacket: Flame retardant
Polypropylene

Construction: Precision Mono-
Filament airspace construction

Conductors: 3 x 16 AWG stranded
conductors.

Material: 79 strand 99.99999%
Oxygen Free Copper

Capacitance: 9.0pF/ft

Connectors: IEC/Wall plug
US/UK/EUR

Power Rating: 15 Amps

Propagation: 89% the speed of light

Distributed worldwide by Nordost Corporation, 200 Homer Avenue, Ashland, MA 01721, USA

Tel: +1 508 881 1116 Toll Free: +1 800 836 2750 www.quantumqrt.com