

QRT®

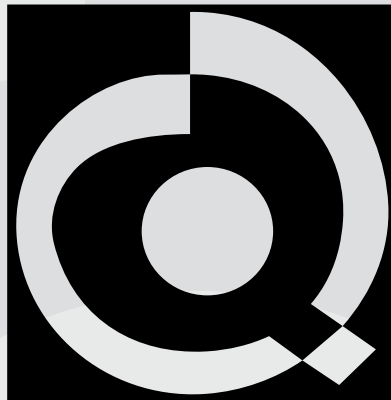
NORDOST

MAKING THE CONNECTION

“...fundamental and a really worthwhile
musical asset to systems of all levels”

- Chris Thomas - Hi-Fi+ Magazine





QRT®

Nordost's QRT power products are designed to alleviate the impact of poor quality AC power on your sensitive electronics. By limiting EMI, RFI, and timing errors associated with the AC line, QRT products bring AC power closer to the desired "distortion-less condition" without limiting the peak current of your electronics. The revolutionary QRT technology found in the QBASE, QX, QVIBE, QKOIL, QKORE, and QLINE units provide measurable improvements both in musical integrity and picture quality.

Effects of Nordost QRT power products include a lower noise floor, increased image depth with tighter focus, wider soundstage, as well as improved overtones, pacing, dynamic range and musical expression.



QBASE: AC Distribution Unit

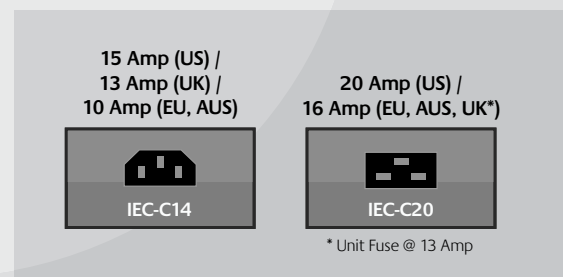
The key to achieving a properly balanced and musically coherent performance is quality AC supply. Before AC current hits your sound system it is contaminated by the millions of appliances in the thousands of houses in the hundreds of miles of power lines between the power plant and your power strip. However, there are several measures that can be taken to ensure that the AC you are working with is as clean as possible—the most crucial being a solid ground.

Incorporating Nordost's QBASE unit into your sound system is the first necessary step in creating solid grounding. In a typical hifi rig wired without Nordost's QBASE unit, performance is inhibited due to conflicting flows of the signal and ground paths. These opposing flows enhance noise. The only way to address this problem and control ground flow is to change impedance levels. Thanks to a unique method deemed "star-earth topology", a simplistic yet effective principle in which the impedance of every outlet (with the exception of the "primary earth" outlet) is lifted by .5 Ohm, Nordost's QBASE is able to control ground flow without any form of in-line filtering or active circuitry. Elevating the ground in this passive manner forces it to flow "downwards", towards primary earth. For that reason, we recommend using that particular socket for your preamplifier or integrated amplifier. This simple change achieves three indispensable effects: it creates an uninterrupted, straight-line AC distribution path from the wall to each individual component, isolates each component by deterring the ground flow between them, and eliminates conflicting flow between signal and ground paths.

These combined improvements have a remarkably noticeable impact on your soundstage, providing a lower noise floor without any high frequency compressions, increasing image depth, and enhancing overtones in the music.

Nordost's QBASE units are comprised of a mechanically tuned, extruded aluminum body outfitted with highly durable connectors which have been specifically engineered to maintain excellent connectivity after extended use. Each PC board houses extremely heavy traces, designed to accommodate high currents and is internally wired with Nordost Mono-Filament cabling. Additionally, in order to prevent overheating and provide overcurrent protection, each QBASE unit is fitted with a dedicated fuse. QBASE units are available in both 4 and 8 socket versions when using US (NEMA), EU (Schuko) and AUS connectors and are available in a six socket version when using UK connectors.

Four socket QBASE units, or QB4s, are fitted with C-14 IEC (15/10Amp) inputs. QB6 and QB8 units are available in both C-14 IEC (15/10Amp) and C-20 IEC (20/16Amp) models.





Qx: Power Purifier

Audio/video components, regardless of their quality, are overwhelmingly susceptible to performance degradation due to contaminated AC power. In today's modern society, where electrical devices and appliances now occupy every free outlet in our houses, the problem of AC contamination is becoming more evident than ever. Electrical spikes, frequency variations, impulsive and oscillatory transients and noise are some of the side-effects that can drastically impact the outcome of your sound system if this current pollution is not addressed. Unfortunately, attempts to clean the AC line through the use of power conditioners often cause more problems than solutions, limiting bandwidth and losing information through filters. Nordost's power purifiers offer all of the solutions of conditioners without any of the compromises. Qx units are active field generators designed to remove noise and cure waveform inaccuracies and voltage fluctuations in the AC line without compromising peak currents, raising source impedance, or reducing bandwidth.

Each Qx unit is comprised of a mechanically tuned, extruded aluminum casing, which houses two or four electromagnetic field stabilizers (EMFS). When the AC line flows into the Qx unit it passes directly through the field generated by the EMFS, which strips the current of EMI and RF interference. Since these harmful attributes can be excluded without having to reconstruct the signal, as is normally

done with typical power conditioners, Nordost Qx units are able to improve the consistency and regularity of the waveform and reduce timing errors while maintaining the original bandwidth of the signal. With Qx unit(s) in place in your system, you will experience a lower noise floor, greater dynamic range, and a more fluid musical expression that will allow you to appreciate the dimension that your system is capable of portraying. These improvements are not solely emotional in effect; the results of Qx units can also be empirically proven. When tested in an auditory application, the Qx showed a signal-to-noise increase of 15%. Similarly, when tested in a visual application, the Qx unit showed an improvement of 15% in color saturation.

Nordost's Qx units vary in the number of EMFS generators that are provided, using two in the Qx2 model and four in the Qx4 model, which boasts twice the efficacy. Qx units are fitted with US (NEMA), EU (Schuko), UK, and AUS connectors and are available in either 115VAC or 230VAC in US models, while EU, UK and AUS models are only available in the 230VAC models. While Qx units are effective as stand-alone components within your sound system, their results are only magnified when multiple units are used together and when combined with the rest of the QRT family.





QVIBE: AC Line Harmonizer

Nordost's QVIBE is an active line harmonizer that adds a carefully calculated range of harmonic overtones directly onto the AC line. The QVIBE will drop the noise floor as well as add a noticeable increase in image depth, dimensionality, and realism of both musical and visual performance.

The function of the QVIBE, or Qv2, is two-fold. Its primary purpose is to transmit additional frequencies onto the AC line that impact the mid and upper base ranges of sound. The secondary objective is to remove irregularities in the sine wave that could negatively impact sonic performance. The active circuit board used in the Qv2 is programmed to emit a frequency pulse 60 times per second, mirroring the peaks and troughs of a sine wave. These precisely timed bursts help to maintain the shape of the wave, where there could be tendencies for it to collapse, eliminating any harsh quality to the sound.

The QVIBE is housed in a mechanically tuned carbon-fiber body and equipped with either gold-plated US (NEMA) or EU (Schuko) connectors. It is compatible

with voltages from 110V to 240V, and can be used with a Schuko/AUS or Schuko/UK adaptor if required. The Qv2 is most effective when placed in close proximity to your system, and should ideally be plugged into your QBASE; however, its results can be heard when placed into any spare socket on your system's AC line. While the QVIBE can be used by itself, its sonic impact is cumulative, and using two or four Qv2 devices will more than double or quadruple its results.



QKOIL: AC Line Enhancer

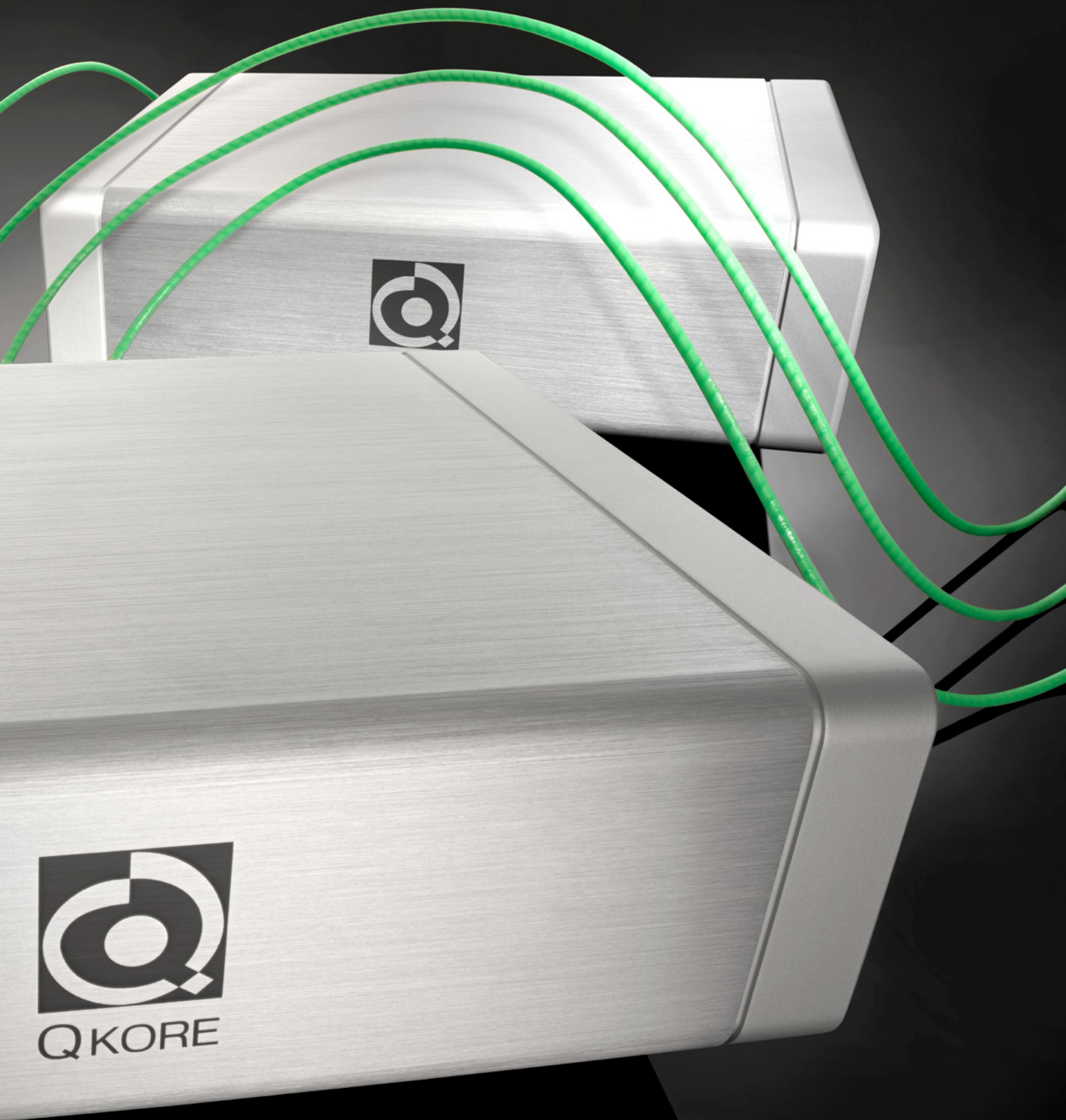
The QKOIL is a load resonating coil (LRC) enhanced with Nordost's patented Micro Mono-Filament technology, which generates a passive electronic field to create beneficial visual and sonic effects on the AC current. Using our MMF technology in a loading application prevents time delay and distortion of the transmitted signal, making the AC current that much closer to the desired "distortionless condition". The sensory results: an improvement in the overtones and pacing of the music, as well as a lower noise floor and a greater sharpness in the upper frequencies, depth and focus of visual qualities.

Nordost's QKOIL, or Qk1, is housed in a mechanically tuned carbon-fiber body and equipped with either a gold-plated US (NEMA) or EU (Schuko) plug. It

is compatible with voltages from 110V to 240V, and can be used with a Schuko/AUS or Schuko/UK adaptor if required. Plug the QKOIL into any spare socket on your system's AC Line and experience first-hand the surprising, yet indisputable, effect it will have on your A/V components.

The Qk1 is the entry level product in the QRT range, a family of modular, non-intrusive innovations that deliver measurable sonic enhancements and provide power in the purist way. Like other QRT products, the benefits of the QKOIL are cumulative and Qk1s are even more impressive when applied collectively. It can be used as a stand-alone product or to complement a full QRT system with a QBASE, Qx2 or Qx4, QLINE, and especially the QVIBE.





QKORE: Ground Unit

A great deal of the electrical noise in hifi systems is caused by imperfections in the power domain. These imperfections may be generated by airborne pollution on the AC line that are induced, in part, by increasing amounts of Bluetooth, Wi-Fi, and cellular signals. Airborne pollution can take the form of high frequency interference, noise, and stray magnetic fields, which lead to AC line contamination. A poor, or “unclean”, ground causes more performance imperfections than most people realize. Without an effective ground point, the entire foundation of your sound system becomes jeopardized—and unfortunately, most listening rooms simply do not have access to a designated line, attached to a ground rod. In these instances, a simple, effective, and internal option is needed: Nordost’s QKORE Ground Unit.

The QKORE is a parallel grounding device, which provides an artificial, “clean” earth for hifi audio systems using both an electrical and mechanical approach. This unique product combines Nordost’s patented Mono-Filament technology with purpose-built, Low-Voltage Attractor Plates (LVAPs), constructed with a proprietary metal alloy and a

passive electronic circuit, in order to draw stray high frequency noise and voltage-generated magnetic fields to a manufactured earth point, leaving a clean reference behind. This passive system is contained in a mechanically tuned housing, and outfitted with gold-plated, WBT binding posts, which easily connect each component to an artificial ground. By providing for a balanced and very “clean” ground point, by-products of electrical balance imperfections between voltage and ground are no longer added to other pollutants, dramatically increasing high quality audio circuit performances.

The QKORE grounding system is the most effective, comprehensive grounding solution in the consumer electronics market. When introduced to a hifi audio system, the results are immediate and dramatic—the noise floor drops, the increase in harmonic accuracy and clarity is unmistakable, and the overall musicality in system performance is elevated. Every aspect of Nordost’s QKORE grounding system is thoughtfully designed and manufactured in the USA to the highest standards in the industry, in order to ensure product quality and customer satisfaction.



QKORE1

- Furnished with one “QBASE Ground” binding post to ground your distribution block.
- Offers an effective ground on the primary side of the power supply
- Provided with a 2M Banana to Banana QKORE Wire.



QKORE3

- Furnished with three multi-use binding posts to ground your audio circuitry.
- Grounds system components on the secondary side of the power supply, where the audio circuit is.
- Provided with a 2M RCA to Banana QKORE Wire.



QKORE6

- Furnished with three multi-use binding posts for audio circuitry, two binding posts for left and right monoblocks, and one “QBASE Ground” binding post to ground your distribution block.
- Offers an effective ground on the primary side of the power supply, for a distribution block, as well as on the secondary side of the power supply, for system components, including those with separate left and right chassis.
- Provided with a 2M Banana to Banana QKORE Wire and a 2M RCA to Banana QKORE Wire.



It is recommended to use one QKORE1 in conjunction with one QKORE3. However, if your system includes monoblocks, or you are searching for an all-in-one grounding solution, we advise using the QKORE6.

QKORE WIRE

In order to complete this comprehensive grounding system, Nordost has also designed a designated QKORE Wire, which is constructed to provide the path of least resistance to ground, for the stray, high-frequency, low-voltage potentials that can affect the performance of your sound system. The QKORE Wire is a mechanically tuned cable that utilizes Nordost's patented Micro Mono-Filament technology, combined with extruded FEP insulation, and constructed with a 16 AWG, silver-plated OFC, solid core conductor. The QKORE Wire can be terminated with the following connectors: spade, banana, male-XLR, female-XLR, BNC and RCA (further termination options available).

- Fully manufactured and terminated in the USA
- Fluorinated Ethylene Propylene (FEP) insulation
- Micro Mono-Filament technology
- 16 AWG Conductor
- Silver-plated 99.9999% solid core OFC



QLINE: Ground Wire

One of the most incessant problems that can plague a hifi system is that annoying hum. Noise is triggered when two circuits carrying different amounts of current overlap each other, or when a loop is created by stray magnetic fields generated by transformers in connected equipment. This problem is only magnified when your system is spread between several connected wall outlets throughout your listening room, as many are. The only solution to this problem: separate the circuits so that no overlaps occur by providing a designated ground.

While the easiest way to provide a designated ground for your sound system is achieved by using our QKORE grounding system, homeowners with the ability to install an outdoor ground rod will find Nordost's QLINE Ground Wire an indispensable tool. Utilizing Nordost's patented Micro Mono-Filament technology, combined with extruded FEP insulation, the QLINE is the missing link needed to complete the circuit —connecting the QBASE ground post to a

designated, external ground rod or grounding box, through its uniquely low resistance path. Proper grounding will transform your system, offering enhancements in 3D imaging as well as lowering the noise floor.

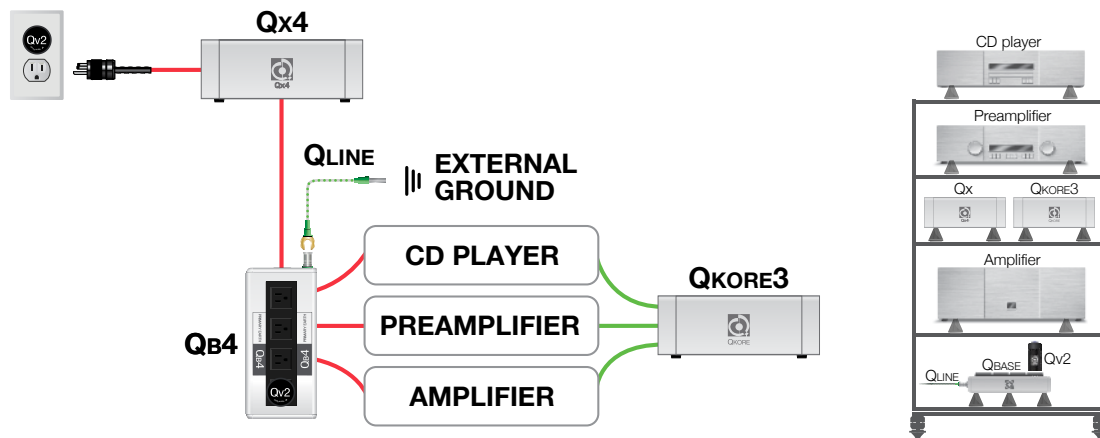
Nordost's QLINE is available in multiple lengths with airtight, waterproof terminations in order to accommodate your specific needs. It is important to recognize, that while installing a designated ground for your hifi system is the most efficient and direct approach to eliminate ground loops and AC hum, there are some states and countries that prohibit the use of a second ground. Please consult a local electrician to ensure that the improvements you make on your sound system remain to code.

- Fully manufactured and terminated in the USA
- Fluorinated Ethylene Propylene (FEP) insulation
- Micro Mono-Filament technology
- 10 AWG plated 99.9999% OFC stranded conductor

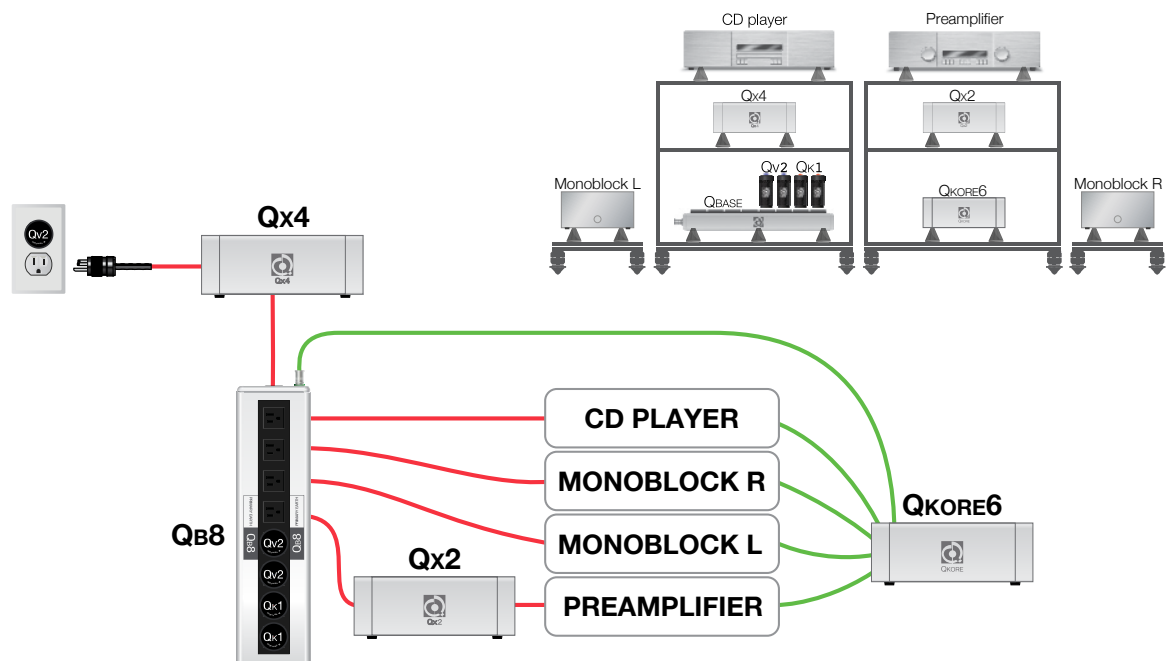


USING QRT PRODUCTS IN YOUR SYSTEM

REFER TO THE DIAGRAMS BELOW TO SEE TWO WAYS QRT PRODUCTS CAN BE USED TO IMPROVE YOUR SYSTEM'S PERFORMANCE.



OR





MAKING THE CONNECTION

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