

KLEI ACPOWER CABLES

The next generation fractal resonance AC enhancing power cables

by Keith Louis Eichmann (KLE)

The KLEI™ AC power cable range represents the next generation development of Keith Eichmann's fractal resonance AC cable technology. His new line of power cables is clearly a quantum leap forward, elevating the science of AC power cable design to a new level. These cables are an advancement over the designs which reached the market as GnC™ (Ground Nulling Circuit) and the Eichmann Ratio™.

All told, KLE has devoted over thirty years to the evolutionary development of his AC power cables. And they do make a decided difference. The bar has been raised. His work on the interaction between ground, neutral, and live carrying conductors—all part of his patented Fractal Resonance technology—is nothing short of revolutionary.

The KLEI™ AC power cable designs employ Keith's gPOWER™ and zPURITY™ architecture, which is a result of the science behind his current gZero™, gZEROs™, zFLOW™, zPurity™ technologies. We know this is a mouthful, but Keith's mind works differently--outside the box—and his nomenclature is indicative of the uniqueness of his designs. In the gPower architecture, neutral and ground conductors are utilised to simultaneously and dynamically protect the live conductor from power supply pulse surges, hysteresis loss, capacitive, inductive, EMF, EF, EFI, RF, and static effects.

The gPOWER™ and zPURITY™ technology endeavours to facilitate a smooth, low noise, and uninterrupted AC flow to the component, allowing it to perform its designed task more efficiently and without interference.

ARCHITECTURE. Consistent with KLE's signal/ground formula, the gPOWER™ and zPURITY™ architecture is implemented in a manner that dynamically enhances electron flow in the live conductor, and it does so without the use of electronic components. Each successive model in the KLEI gPOWER and zPURITY power cable range, utilises a proprietary and progressively more sophisticated cable architecture. They are constructed from high conductivity copper and/or silver to achieve cumulative performance improvements with each successive model.

The KLEI gPOWER™ and zPURITY™ technology represents a synergy that produces exceptionally, and even shockingly, better performance, especially when combined with the company's spec'd IEC and AC plugs.

MATHEMATICAL MODELING. The relationships between the AC plug's live, neutral, and ground pins are derived via mathematical modeling. The proprietary formula used here defines the metal complement, mass, and other critical parameters. These differ through the gPOWER to zPURITY product range, and vary with cost, complexity, and better, more expensive metallurgy.



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Power Cables



gPOWER2 AC power cable

- Proprietary spec'd IEC and AU/EU/US plugs
- Proprietary mathematical modeling, as utilised in the gPOWER2 AC, is utilised to produce the gPOWER2 ground/neutral to live relationship, parameters, and determines KLEI's utilised gPOWER™ technology and architecture.
- Our tests show, reveal, and indicate, that the ACPower™ architecture, as utilised in the gPOWER2 AC, allow it to perform sonically higher than KL's previous Eichmann fractal resonance AC power cable. Quite a feat in itself, especially, as the gPOWER2 AC is the entry level in the ACPower range.
- With the gPOWER2 AC power cable you can -- enjoy the music, rather than the system -- and they are the beginning of the KLEI experience, "Realize the Organic Realness in the Musical experience, with KLEI".



gPOWER2 AC/UK power cable

- Proprietary spec'd IEC and UK plugs
- Proprietary mathematical modeling, as utilised in the gPOWER2 AC, is utilised to produce the gPOWER2 ground/neutral to live relationship, parameters, and determines KLEI's utilised gPOWER™ technology and architecture.
- Our tests show, reveal, and indicate, that the ACPower™ architecture, as utilised in the gPOWER2 AC/UK, allow it to perform sonically higher than KL's previous fractal resonance AC power cable. Quite a feat in itself, especially, as the gPOWER2 AC/UK is the entry level in the ACPower range.
- With the gPOWER2 AC/UK power cable you can -- enjoy the music, rather than the system -- and they are the beginning of the KLEI experience, "Realize the Organic Realness in the Musical experience, with KLEI".

John Ransley, *Totally Wired*, has the following to say about the KLEI™ gPOWER 2 AC power cable:

The most immediate and obvious quality improvement I heard when first auditioning this cable was greatly increased lucidity - everything about the music seemed to come alive, with greater contrast and markedly better definition - if I hadn't heard this myself, I would not have believed how great an impact this made. Let me place this in context for you - I'd intentionally down - scaled our home system and while there is a fairly seriously set up analogue front end with Well Tempered, Dynavector, Pure Audio and KLEI cabling components, this was all running into a very modest little NuForce analogue preamplifier - the HAP-100 - which was what we first plugged the KLEI AC cable in to.

The magnitude of the improvement made was far greater than the original Eichmann AC cable - at the time I felt that this was broadly equivalent to jumping up a model in any given range of amplifiers. But the new cable is night and day - it's like going from an entry level component to the high end in one remarkable jump - the changes made are more than subtle improvements in some characteristics - it's a wholesale reconstruction of the sound taking it from adequate to captivating.

Yet this was really only the start. We know from experience that many components and cables take little time to settle in - especially from new. But with the KLEI products (and new digital components from NuPrime) this process is both more extended and greater in terms of the gains to be had - over days and weeks there is continual improvement. I've found exactly the same applies with this mains cable - in part this may be because I've come to expect it and am looking for a progression of gains rather than just a one off improvement.

What the KLEI cable does is create a much more transparent performance from every system in which we have tried it - the background hash is greatly reduced but this is also accompanied by a significant increase in lucidity - there is simply a whole lot more going on, top to bottom, loud to quiet. This feeds through into the quality we describe as 'pace'. With more going on, it sounds as if the music is playing faster - not in a helium induced cartoon sense but as an increased sense of drive and immediacy. That live sound where you can't help but start to shimmy around even if you're sitting down'

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gPOWER3 AC power cable

- Proprietary spec'd IEC and AU/EU/US plugs
- Proprietary mathematical modeling, as utilised in the gPOWER3 AC, is utilised to produce the gPOWER3 ground/neutral to live relationship, parameters, and determines KLE's utilised gPOWER™ technology and architecture.
- The next higher application of the ACPower™ architectures, as utilised in the gPOWER3 AC, allow it to perform sonically higher than the gPOWER2 AC.
- With the gPOWER3 AC power cable you can further -- enjoy the music, rather than the system -- and they further reveal and demonstrate the KLEI experience, "Realize the Organic Realness in the Musical experience, with KLEI".



gPOWER3 AC/UK power cable

- Proprietary spec'd IEC and UK plugs
- Proprietary mathematical modeling, as utilised in the gPOWER3 AC/UK, is utilised to produce the gPOWER3 ground/neutral to live relationship, parameters, and determines KLE's utilised gPOWER™ technology and architecture.
- The next higher application of the ACPower™ architectures, as utilised in the gPOWER3 AC/UK, allow it to perform sonically higher than the gPOWER2 AC/UK.
- With the gPOWER3 AC/UK power cable you can further -- enjoy the music, rather than the system -- and they further reveal and demonstrate the KLEI experience, "Realize the Organic Realness in the Musical experience, with KLEI".



zPURITY8 AC power cable

- Proprietary spec'd IEC and AU/EU/US plugs
- Proprietary mathematical modeling, as utilised in the zPURITY8 AC, is utilised to produce the zPURITY8 ground/neutral to live relationship, parameters, and determines KLE's utilised zPURITY™ technology and architecture.
- The next higher application of the ACPower™ architectures, as utilised in the zPURITY8 AC, allow it to perform sonically higher than the gPOWER3 AC.
- With the zPURITY8 AC power cable you can further -- enjoy the music, rather than the system -- and they further reveal and demonstrate the KLEI experience, "Realize the Organic Realness in the Musical experience, with KLEI".

John Ransley, *Totally Wired*, has the following to say about the KLEI™zPURITY8 AC power cable:

'Seldom does a single product, let alone a 1 metre long power cable make you ask fundamental questions about what you do and why.

The KLEI™gPower2 AC power cable laid all the groundwork for this new cable but it was very much engineered to be as affordable as it could be and yet still sound convincingly better than both standard free cables and other competing designs. This cable has always been sold on the basis that if you aren't completely happy with it, we'll take it back and refund you. But over 90% of the unexpectedly large number we have sold have stayed with their owners and many have come back for more. They work in a positive and tangible way. I also greatly valued the comments I got from the few people that did return their cables. It is clear that there can be unexpected interactions, that the large plugs can present physical issues, that other cables may be better suited in some systems and most importantly, that they were looking for a more obvious and greater improvement.

The KLEI Purity AC cable has been designed, in part, to address some of these issues. But from inception, Keith was always working towards the very best sounding AC cable he could design and build – it is made to this standard, not to a cost. But cost and performance combine to give us value and so the former is important. The price premium over the KLEI gPower2 AC is directly attributable to better materials and the increased complexity of the design. But none of this is obvious from the outside.

The real measure of the performance gain made by the KLEI™zPurity8 AC power cable has to be a direct comparison

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with the similarly priced option of upgrading the physical components. With the original Eichmann power cable this equated to the difference between the 200 and 350 watt power amplifiers. Proving that quality will win over quantity, the 200 with the power cable sounded better than the 350 without. And together cost appreciably less. Likewise the \$500 KLEI™gPower2 AC elevates the performance of amplifiers such as the NuPrime IDA-8 and Quad Vena to above that of most \$2-3000 options. Can we make the same comparison with the new and much more costly cable?

The addition of the KLEI™zPurity8 AC power cable elevates the performance of the NuPrime IDA-16 (NZ\$3350) to a level above that of the DAC-10 and ST-10 separates (\$NZ\$5000). More tellingly it does this even when the better NuPrime models are optimally connected with both KLEI™gPower2 AC power cables and KLEI™gZero10 ICs. We're simply hearing detail and fidelity we have not heard before in any setting. So it's clear that as a value for money case, this single power cable is directly comparable to, and often better than changing components.

Of course given we know that on a level playing field the DAC-10/ST-10 combination is superior to the integrated amplifier, then with the KLEI™zPurity8 AC power cable it's fair assumption that this difference will be magnified.'



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