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KLEI™GZSeries Cables

BROCHURE

Advancing the art and science of Cable design
Keith Louis (KL) proudly introduces
the next generation Express, Essence, and Quiessence cables

The KLEI™GZSeries cable range – gZero™, zFLOW™, zPURITY™ – is the next generation development of Keith Louis's Express, Essence, and Quiessence cables. These cables represent KL's previous, and widely accepted, older designs, which utilised either the Eichmann Ratio™ and/or GnC™ (Ground Nulling Circuit). The new GZSeries™ is the result of over thirty years of dedicated research by inventor and designer Keith Louis.

With the new GZSeries™, Keith Louis has managed to miniaturise and shrink the Eichmann Ratio™ and GnC™ architectures so that the GZSeries™ cables have significantly less mass.

At the same time, he has further managed to improve their sonic performance. In so doing, he takes advantage of the benefits achieved in the Harmony connector design, i.e., the *less is more* approach, for which KL is synonymous.

The GZSeries™ represents the logical extension of his proprietary mathematical modeling on the interaction between signal and ground/return carrying conductors, elevating the concepts behind the Eichmann Ratio™ and GnC™ architectures, to dramatically new levels.

The GZSeries™ designs further reduce and control the effects of the ground/return on the signal, while simultaneously using the ground/return to protect the signal from external interferences such as EFI, EMF, RF, and static charges.

KL's research has produced the proprietary GZSeries™ architecture(s), which dynamically works to maintain a zero voltage, low noise, ground state, and is utilised, as described above, to protect the signal from capacitive, inductive, EMF, EF, EFI, and other effects. The GZSeries™ architectures further facilitate a smooth uninterrupted signal flow from one component to another, effectively isolating them from each other and allowing them to perform their task without interference.

MATERIALS: From the very outset, KL has had an understanding of and a sensitivity to electron and energy flow. His designs focus on signal integrity, the elimination or mitigation of causes of electron turbulence, most notably capacitive and inductive reactance, as well as EMF, EF, EFI, and other effects. An important theme in his designs has been his choice of materials. In selecting them, he made conscious design decisions to always use complementary materials to ensure that the conductors surrounding the signal work in harmony, and don't contribute to electron chaos, which would inhibit smooth signal flow. The materials utilised serve to improve signal integrity and to reduce or eliminate known compromises for smooth electron and energy flow.

OPTIMUM MASS: Bigger, thicker, and more massive doesn't add up to better sound. In fact, quite to the contrary. A studied, optimised, and in most cases a minimalist approach to mass actually results in better sound – and better electron and energy flow. KL's proprietary signal to ground mathematical modeling, ensure an optimal architectural relationship between all signal and ground conductors and dielectrics. The result is control, and the avoidance of sonic compromises, caused by capacitive and inductive reactance, EMF, EF, EFI, and other effects. Controlling these parameters ensures a complete, full, and extended frequency range, where harmonics are conveyed from component to component, intact.

METALLURGY: This is of paramount importance; and something that's been central to KL's designs from the very beginning. He has been committed to implementing and using only conductors that are *as or more* conductive than pure copper, and even pure silver.

It is important to note that the signal and ground conductors are harmoniously laid in a way that they work together and not in opposition to each other. The GZSeries cables excel in this area, and the bottom line is that no matter how you get there, and to quote a favorite expression of KL's, '*the proof's in the pudding.*'

ARCHITECTURE: In accordance with KL's signal to ground mathematical modeling, the KLEI™GZSeries architectures are comprised of hand wound conductors, and implemented in a manner to dynamically enhance electron flow in the signal conductor without the use of electronic components. It requires precise calculation, hours of hand fabrication, and often several days of cooking – burning in – on a professional grade purpose built cable burner. Each successive model in the GZSeries cable range, utilizes a progressively more complex and sophisticated cable architecture, employing varying combinations of ground/return conductors, constructed from ultra-high conductivity copper, and/or silver, to achieve cumulative performance improvements with each successive model.

The GZSeries architectures are the further development of the design principles utilised in the KL's earlier Express, Essence, and Quiessence designs, which themselves at the time represented some of the most radical approaches ever undertaken in cable design. Unlike other manufacturers who typically design their products to have identical characteristics between the signal and ground/return, in the GZSeries, KL has undertaken an approach to further enhance the calculated and purposeful difference between these conductors.

There is an unmistakable parallel between the GZSeries architectures as implemented in the cables and the approach taken in the KLEI™Harmony connectors. The GZSeries architectures realise a synergy that produces exceptionally, and even shockingly, better performance, especially when combined with the KLEI™Harmony connectors.

The GZSeries architectures are proprietary and we employ very, and even extremely, high purity copper wire and/or very, and even extremely, high purity silver wire as conductors.

MATHEMATICAL MODELING. The relationships between ground and signal pin, i.e., metal and dielectric complement, mass, and other critical parameters, are derived via KL's signal-to-ground mathematical formulae, and differ from model to model.

Digital (SPDIF/Coax)

gZERO3D SPDIF

- Equipped with KLEI Silver Harmony (Bullet) plugs
- Employs KL's gZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of his gZERO3D design
- The GZSeries™ architecture, as utilised in the gZERO3D, allow it to perform sonically higher than the gZERO2D SPDIF

Recommendations: depending on the audio system…
- Burn-in Time: >250hrs and even >450hrs
- Settling Time: >2hrs and preferably >24hrs (once unplugged and replugged)

Steve Reeve, reviewer for *Fine Art*, has the following to say about the KLEI™gZERO3D SPDIF/Coax::

'KLE Innovations offers two exceptional SPDIF/Coax cables, where both perform extremely well, neither will disappoint, both are modestly priced, i.e. compared some of the more expensive cables from other brands that attempt to offer similar abilities.

From a pragmatists perspective, if you are serious about enhancing the abilities of the digital reproduction components of your audio system the KLEI gZERO3D SPDIF/Coax will not disappoint and bring you that much closer to analogue nirvana. Unfortunately I only have one other SPDIF/Coax to compare it to, suffice to say, the other brand did not fare well at all.

The KLEI gZERO3D SPDIF/Coax expands on the very serious capabilities of the KLEI gZERO2D SPDIF/Coax by providing the most convincing analogue feel from a digital source that I have observed to date!

Congrat's to the guys at KLEInnovations, the KLEI gZERO3D SPDIF/Coax, like the KLEI gZERO2D SPDIF/Coax, is not just a winner, it's a REVELATION!'

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