

KLEI GZSeries Cables

The next generation Express, Essence, and Quiescence cables by Keith Louis Eichmann (KLE)

The KLEI™GZSeries cable range – gZero™, zFLOW™, zPurity™ – is the next generation development of Keith Louis Eichmann's Express, Essence, and Quiescence 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 Eichmann.

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 Quiescence 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



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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.

Interconnects



gZero1 Interconnects

- Equipped with KLEI Copper 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 gZero1 design
- Our tests indicate, that the GZSeries™ architecture, as utilised in the gZero1, allow it to perform sonically at a higher level than KL's previous Quiescence Reference interconnects, which utilised the Eichmann Ratio™ and GnC™ architectures.

KajL, a customer, has the following to say about the KLEI™gZero1 interconnects:

'The last thing we had time to do yesterday was to compare the KLEI™gZero1 interconnects with some other well-known interconnects from CHORD and Nordost and we really liked the results we got from the KLEI's, especially regarding to the price difference. Although there is a difference in characteristics, you have to go quite far up the Nordost range to find something that comes close in terms of sound quality.

So, the conclusion is... very well done! and hopefully the word will spread'



gZero2 Interconnects

- Equipped with KLEI Copper 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 gZero2 design
- The GZSeries™ architecture, as utilised in the gZero2, allow it to perform sonically at a higher level than the gZero1

JG, a customer, has the following to say about the KLEI™gZero2 interconnects:

'I find that the reviews posted on the KLEI website to be very accurate. The positive reviews as well as my experience with the old Eichmann bullet plugs influenced my decision to purchase the cable in the first place. The cables easily lived up to the reviews.

To me the clarity and transparency are the standout qualities of the KLEI™gZero2 interconnects. I should add that even today I was especially impressed was the distinctive quality of the lower registry of the sound. That is, no more one note type of bass and drums, like a photograph that was slightly out of focus.

I'm looking forward to the next purchase. I think there should be quite a good synergy with the additional cables'

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gZero3 Interconnects

- 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 gZero3 design
- The GZSeries™ architecture, as utilised in the gZero3, allow it to perform sonically at a higher level than the gZero2

Neville Roberts, reviewer for *HiFi Choice*, has the following to say about the KLEI™gZero3 interconnects:

'Feel the force: Thelma Houston singing "Got To Get You Into My Life" is forceful without being shouty in the slightest. The instrumental backing is rhythmic with a well controlled bass line and the timing is great.

I sometimes feel the bass is almost too tight and maybe a touch reigned in, but that could just be a case of getting used to the gZero3 interconnects. As with the previous John Williams piece, the emotion in Houston's voice is quite splendidly conveyed.

Overall, the gZero3 interconnects combine a very tight and well-textured bass response with a lively top end. Vocal performances are also clear and have a good presence in the room.

To summarise, these cables are a really good all-round performers and are well worth an audition'



gZero6 Interconnects

- Equipped with KLEI Pure 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 gZero6 design
- The GZSeries™ architecture, as utilised in the gZero6 allow it to perform sonically at a higher level than the gZero3

SU, a customer, has the following to say about the KLEI™gZero6 interconnects:

'After some settling time the cables started to hit their stride. Musicality is what these cables are about. They have the detail and resolution that we all want, but with a beautiful harmonic richness, that is just so nice. The highs are still there, just as highs, but they are not edgy. This is not like putting on sunglasses and filtering everything, because the sound actually becomes bigger. You can turn it down a little because the detail is there, but it is right across the whole spectrum and are not boomy and glary. The mids are liquid and life like and the soundstage is big.

To my ears it sounds more real and I can identify with the performance, not just better, but more profound. I get more connected. And that is what this audio hobby is about for me. I like to feel the music and the KLEI™gZero6 interconnects, help that to happen.

A lot of science, a lot of development, and a lot of trials have contributed to the evolution of the KLEI™gZero6 interconnects. The almost understated elegance of the product aesthetics is perfect for me because I don't need bling, I don't want glitter, I just want it to sound right'

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gZero10 Interconnects

- Equipped with KLEI Absolute 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 gZero10 design
- The GZSeries™ architecture, as utilised in the gZero10, allow it to perform sonically at a higher level than the gZero6

PC, a customer, has the following to say about the KLEI™gZero10 interconnects:

'I would like to tell you that I am very, very pleased with KLEI™gZero10 interconnects and KLEI™gZero6 speaker cables. The word should be intoxicating (in a good way), better than any destructive drugs... Well done!

The interconnects that I have are...

- *Wireworld Esclipe 6, Wywire Gold, JJ Acountics from Australia , Mark Stager's silver,*
- *Supra Swords... very good dynamic range, correct phase, adequate ambiance and bass, but looses out to KLEI™gZero10 ICs which are more neutral, more dynamic, and musical without harsh treble.*
- *ZenwaveAudio D4 XLR type... very good ICs that use upocc silver/gold connector. Especially good tone and nuances but are a bit lean in bass, a bit forward, and vocal/instrument separation is not as good as KLEI™gZero10 ICs.*
- *Morray James... very dynamic and superb high extension, quite the same as the KLEI™gZero10 ICs in many ways. But the big problem is it is more noisy and the phase of music is not so correct, not giving a natural feeling.*
- *LessLoss ICs... very quiet but lack of dynamic extension*

I can't stand power conditioners which rob away music dynamics.

My music taste is that it must be very neutral with good dynamics and separation. A bit of warmth is ok but I can't stand sibilance or grainy treble. Music must be free flowing with good bass and ambiance'



gZero20 Interconnects

- Equipped with KLEI Absolute 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 gZero20 design
- The GZSeries™ architecture, as utilised in the gZero20, allow it to perform sonically at a higher level than the gZero10

Stefano Bertoncello, reviewer for *Two Good Ears*, has the following to say about the KLEI™gZero20 interconnects:

'Tried with Partridge 300B mono blocks and Luxman AT-3000 passive preamp and Cabasse and... WOW!

This cable, physically unassuming, correctly, honestly priced and sized is like the superb KLEI™Harmony Plugs already in my system: I cannot think of my system without this balance, anymore. A cable is only a brick of the whole system, but you know a badly conceived corner brick can destroy also most perfect building stability.

Keith Louis Eichmann's cables are a statement of cable making art... only, PLEASE, as per KL Eichmann's suggestion: do not play them for less than 50 to 60 hours, settling time, because the KLEI cables always require settling time and also a long Burn-in, pals!

Allow for Settling Time (>50-60 hours) and Burning-in (>400hrs and even >500hrs) and everything will blossom like I have very seldom experienced, period!

A true pleasure, indeed and another Gotorama's brick-in-place.'

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zPurity8 Interconnects

- Equipped with KLEI Pure Harmony (Bullet) plugs
- Employs KL's zPurity™ 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 zPurity8 design
- The GZSeries™ architecture, as utilised in the zPurity8, allow it to perform sonically at a higher level than the gZero20

John Ransley, *Totally Wired*, has the following to say about the KLEI™ zPurity8 interconnects:

'So you can see that there has been a real progression in interconnect cable design and that at least 3 parts to this have a really significant impact on improving performance - the plugs used, the configuration of the cable, and the materials used in both conductor and insulator.

The zPurity8 interconnects are all about resolution, from the moment you first connect these cables, you'll be hearing far more musical detail. Like all KLEI cables there is a definite settling in time and a real burn in period. Because the resolution is greater than with the gZero series, these two effects are both more obvious and more extended. This isn't to say the cables don't sound great from the outset, but over a period of days then weeks, it becomes appreciably better. The music flows in a more organic way, notes carry and sustain in time and space. We noticed that music fills rooms and sounds markedly better over a distance.

It really only takes a few days to form a conclusion on where the zPurity8 interconnects sits relative to the gZero20 interconnects. The zPurity design is a lighter touch, more subtle but also more open and detailed with better sound staging precision, a background that is more airy, allowing more to emerge. Sweetness and light. It's hard to be critical of the gZero20 interconnects given my initial experience and enthusiasm but I have to admit that Keith Louis has found ways to improve upon it.'



zPurity88 Interconnects

- Equipped with KLEI Absolute Harmony (Bullet) plugs
- Employs KL's zPurity™ 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 zPurity88 design
- The GZSeries™ architecture, as utilised in the zPurity88, allow it to perform sonically at a higher level than the zPurity8

John Ransley, *Totally Wired*, has the following to say about the KLEI™ zPurity88 interconnects:

'The zPurity88 interconnects are the next level up, and with price parity to the original gZero20 interconnects, I can say that this cable improves upon it in every parameter. We step up to the Absolute Harmony plug and it's obvious that there is more going on inside the cable. The best analogy is that this is like going from an entry level amplifier to a serious pre/power combination - scale, depth, and solidity are all enhanced. If this were the top of the KLEI cable range I'd be perfectly happy.'



zPurity888 Interconnects

- Equipped with KLEI Perfect Harmony (Bullet) plugs
- Employs KL's zPurity™ 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 zPurity888 design
- The GZSeries™ architecture, as utilised in the zPurity888, allow it to perform at a sonically higher level than the zPurity88

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John Ransley, *Totally Wired*, has the following to say about the KLEI™zPurity888 interconnects:

I suspect Keith Louis has thrown everything he can at the zPurity888 ICs. A one-off plug that appears on no other cable and while we can only guess, the innards are likely to be both more complex again and conductors even more esoteric. I'm going to avoid any flowery descriptions here - quite simply if you want the very best performance from your system, this is the way to get it.

The new KLEI cables I have been able to listen to at length, going right through the range. At each step there has been a palpable and worthwhile improvement in sound, building on the previous benchmark in a logical and persuasive manner.

The conclusion I reached with the gZero20 ICs is that these cables are components in their own right and this applies directly to the new KLEI™zPurity IC range. Each of the zPurity IC versions offer a performance gain that is directly analogous to what we hear when stepping through the NuPrime model range.

The KLEI™zPurity IC range is by no means aimed at the wildly esoteric end of the market. Although I strongly suspect it's going to be making some real waves in that sector shortly.'

Speaker Cables



gZero2 Speaker Cables

- Equipped with KLEI's chosen banana connectors
- 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 gZero2 design
- Our tests indicate, that the GZSeries™ architecture, as utilised in the gZero2, allow them to perform at a sonically higher level than KL's previous Quiescence Reference speaker cables, which utilised the Eichmann Ratio™ and GnC™ architectures

Steve Reeve, reviewer for *Fine Art*, has the following to say about the KLEI™gZero2 speaker cables:

'So, How Good Are They? With my "skinny cable phobia" still not quite put to rest, I selected a favourite pipe organ track by Widor, Organ Symphony #5 in F Minor. Op42/1-6 Toccata: Allegro from the album Hear the Light on Phillips, performed by Daniel Chorzempa. The sound engineering on this track is superb and if any one track could allay my phobia it would be this one. It contains the full gamut of the sensory attributes that audiophiles use to quantify a performance.

Well, my phobia has now been completely laid to rest. On this one track alone the KLEI™gZero2 speaker cables accomplished an extremely articulate presentation that reached into the depths, to bass levels I have never before heard, to the highest frequencies a pipe organ can reach, with a clarity that allowed the extremely complex layers of the many pipes in play to be clearly heard.

But being an "Audio Enthusiast"... It's NOT about "THE LOOK", it's all about "THE SOUND!"

But the design team at KLE Innovations (KLEI) has created a new breed". With bold new designs that challenge conventional cable related "wisdoms" from the past, to bring you some very affordable cabling products that can elevate the performance of even modestly priced systems like my own, to an extraordinary level.

The KLEI™gZero2 speaker cables will elevate the performance of your system to a level that other speaker cables fail to achieve.'

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gZero6 Speaker Cables

- Equipped with KLEI's chosen banana connectors
- 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 gZero6 design
- The GZSeries™ architecture, as utilised in the gZero6, allow it to perform at a sonically higher level than the gZero2

PC, a customer, has the following to say about the KLEI™gZero6 speaker cables:

I would like to tell you that I am very, very pleased with KLEI™gZero10 interconnects and KLEI™gZero6 speaker cables. The word should be intoxicating (in a good way), better than any destructive drugs... Well done!

SCs that I have... Wireworld oasis, Wywires gold, Clear Day double shotgun, LessLoss Achorwave, ZenwaveAudio silver... will receive it today to try out, Supra swords, Morray James

I can't stand power conditioners which rob away music dynamics.

My music taste is that it must be very neutral with good dynamics and separation. A bit of warm is ok but I can't stand sibilance or grainy treble. Music must be free flowing with good bass and ambiance'



zPurity8 Speaker Cables

- Equipped with KLEI's chosen banana connectors
- Employs KL's zPurity™ 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 zPurity8 design
- The GZSeries™ architecture, as utilised in the zPurity8, allow it to perform at a sonically higher level than the gZero6

John Ransley, *Totally Wired*, has the following to say about the KLEI™zPurity8 speaker cables:

The KLEI™zPurity8 speaker cables just rock for want of a better description. The KLEI™zPurity8 speaker cables are effectively a bespoke item and the material cost makes it prudent to look at how you might be able to arrange your system in order to keep the distance between amp and speakers both no longer than it needs to be and effectively symmetrical.

The gZero2 SCs were different from but effectively on par with the SlinkyLinks and at similar pricing. Recently I came to the conclusion that the gZero6 SCs did outperform our own custom made set although there were a lot of areas where they were quite similar. So the reason to change was nowhere near as compelling as it was with the interconnects, which now populate our home system. But, the zPurity8 SCs have completely altered this dynamic.

The zPurity8 SCs deliver a huge jump in performance. From top to bottom there is dramatically better speed, impact, and scale. While delivering copious amounts of detail and really allowing high notes to soar and there isn't a hint of sibilance or compression. Bass is absolutely rock solid and an order of magnitude better than any other cable I have listened to. In a system with amplifier and speakers in reasonable proximity, the KLEI™zPurity8 speaker cables are likely to be the most significant and cost effective upgrade you can make.

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Digital (SPDIF/Coax)



gZero2D SPDIF/Coax

- Equipped with KLEI Copper 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 gZero2D design
- Our tests indicate, that the GZSeries™ architecture, as utilised in the gZero2D, allow it to perform at a sonically higher level than KL's previous Express SPDIF/Coax, which utilised the Eichmann Ratio™ architecture

Steve Reeve, reviewer for *Fine Art*, has the following to say about the KLEI™gZero2D SPDIF/Coax:

'The only conclusion I can come to is, if you, the reader are serious about the reproduction of digital music and need a SPDIF/Coax between two digital components, want a SPDIF/Coax that performs way above its price point (who doesn't), then purchasing the KLEI gZero2D SPDIF/Coax, at a minimum, is pretty much a no-brainer!

Whether playing tracks recorded in 16/44, 24/96 or 24/192, they all sounded simply amazing. This is possibly the best value for money in hi-fi right now and will elevate the performance of your existing digital components to levels normally only achieved by investing in a significant component upgrade.

The KLEI gZero2D SPDIF/Coax for me, has made the biggest impact of all their products to date.

Congrat's to the guys at KLEInnovations, the KLEI gZero2D SPDIF/Coax is not just a winner, it's a REVELATION!'



gZero3D SPDIF/Coax

- 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

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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