



IsoTek V5 Elektra Legendary Multiple and Individual Power Cleaning Networks User Manual

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IsoTek V5 Elektra Legendary Multiple and Individual Power Cleaning Networks



INTRO TEXT

The Elektra brings IsoTek's legendary multiple and individual power cleaning networks dedicated for each outlet to a new lower price class. Elektra therefore has to be the most cost-effective power cleaning upgrade money could buy. The new V5 model has instant on tap power, direct current resistance is close to the ideal of zero Ohms. The protection rating is four fold the minimum requirement, raised to 67,500A instantaneous. This six-way mains power-cleaning is essentially six power cleaning systems in one box!

FEATURES

- Suitable for all audio or AV systems
- RFI reduction 50dB
- 6 optimised power cleaning circuits to effectively remove Common and Differential Mode mains noise
- 4 independent outlets for source components (5A)
- 2 independent high current outlets for power amps, active subwoofers, active speakers etc (10A)
- Easy replacement fusing system
- 67,500A instantaneous protection, 32,500A continuous
- Fully star-earthed network
- 6n oxygen free copper silver-plated internal wiring with FEP dielectric
- SYSTEM LINK outlet for extending the outlets and maintaining a starred earth reference
- Supplied with IsoTek EVO3 INITIUM POWER CABLE
- UK, EU, US, AU & CH outlets available

V5 ELEKTRA

The V5 Elektra represents IsoTek's new entry-level component width power cleaning system featuring six independent outlets with six individual power cleaning networks. The Elektra measures 450mm in width, 350mm deep and 106mm high. It features two high current outlets (for amplifiers) that are driven by a two stage high current power cleaning network consisting of both choke and double Pi filter design. Each of the four remaining medium current outlets (for your source components) feature four independent six stage delta filter power

cleaning networks, these give almost 20 dB of power cleaning at 1kHz (reference 600 Ohms), this then improves to almost 40 dB at 10 kHz, ten times greater than the recommended standard. A further five independent filter stages are placed between each output combined with IsoTek's Adaptive Gating system which is double that of the EVO3 Aquarius, this is designed to eliminate Differential Mode cross contamination between each power outlet. Thus, Elektra is six power cleaning systems in one box. Most power filters of this style join output sockets together, running each in series connection. This is an error of judgement as Differential Mode Noise, created by the connected load (your audio components) will cross contaminate between the output sockets. The electrical architecture and multiple power cleaning networks, one for each output socket of the V5 Elektra prevents this and is therefore superior. Both Differential Mode and Common Mode noise are dramatically reduced. Cross contamination of connected components is also kept to a minimum due to the multiple power cleaning stages one for each output socket. Most power filters join output sockets together, running each in series. This is an error as Differential Mode Noise created by your connected electronics will cross contaminate from one output socket to the next. The electrical architecture and design of the V5 Elektra is inline with IsoTek's high standard of purposeful design. The printed circuit board (PCB) design and topology has twice the industry standard copper loading and is silver plated to improve amperage and decreased resistance. Unique critical (bespoke) components have better overall tolerances with improved inductance and current handling to that of the EVO3 range. This new circuit offers twice the inductance and 40% more current compared to the EVO3 Aquarius. This contributes to a more open and spacious sound stage, micro dynamics and greater detail with more immediate timing. Dramatically improved Direct Current Resistance (DCR) has been applied throughout this new design. Part of the IsoTek goal being to reduce DCR bringing performance closer to the zero Ohms ideal. These technological improvements result in the V5 Elektra delivering 10A of absolute power, unrestricted current delivery (close to 16A transient) within the power company standard, and regulations allow within a 10A designed product.

See CONTINUOUS ABSOLUTE POWER.


KERP © (Kirchhoff's Equal Resistance Path) ensures equal resistance and equal power delivery to all outlets. The internal wiring is of the highest standard, a unique 2sqmm design featuring pure 6n oxygen free copper conductor strands each silver-plated, these offer low resistance and high amperage. An aerospace grade Fluorinated Ethylene Propylene (FEP) dielectric, with very low dielectric resistance is used to protect the conductors as well as giving an ideal conductor contact dielectric for the internal power delivery system. Furthermore, in the new V5 version instantaneous protection is increased to 67,500A, this not only protects the circuit but also safeguards your valuable connected equipment via IsoTek's unique sequential and repeatable protection system. V5 Elektra also contains a System Link outlet, this is designed to connect multiple units together, whilst maintaining a star earth reference, and preserving the need for multiple wall outlet sockets.

The internal wiring of IsoTek products synergises with the range of IsoTek power cables. One critical but overlooked area within audio is maintaining commonality of design and material properties though an audio wiring loom, be it a signal carrying cable or a power cable network. IsoTek's award winning Initium power cable is also included.

SPECIFICATIONS

- NUMBER OF OUTLETS 6 + System Link
- TYPE OF OUTLETS UK, EU, US, AU & CH
- MAINS INLET 10A IEC C14
- MAINS VOLTAGE 100-230V / 50-60Hz
- MEDIUM CURRENT – 230V x4 (5A 1,150W total)
- MEDIUM CURRENT – 115V x4 (5A 575W total)
- HIGH CURRENT – 230V x2 (10A 2,300W total)
- HIGH CURRENT – 115V x2 (10A 1,150W total)
- SYSTEM LINK x1
- SURGE PROTECTION 67,500A
- DIMENSIONS (w X h X d) 450 x 106 x 350mm
- WEIGHT 9,0kg

Documents / Resources

 <p>V5 ELEKTRA</p> <p>INTRO</p> <p>FEATURES</p> <ul style="list-style-type: none">• 100% efficiency• 100% ripple-free• 100% regulation• 100% protection• 100% safety• 100% reliability• 100% performance• 100% quality• 100% support	<p>IsoTek V5 Elektra Legendary Multiple and Individual Power Cleaning Networks [pdf] User Manual</p> <p>V5 Elektra, Legendary Multiple and Individual Power Cleaning Networks, V5 Elektra Legendary Multiple and Individual Power Cleaning Networks, Individual Power Cleaning Networks, Power Cleaning Networks, Networks</p>
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