

KPR00+

1U RACK EXPANDABLE MATRIX, 8X8 DANTE CH ENABLED WITH IEB PRO

KPR00+

Prisma-KPR00+ stands out as a powerful digital processing platform with matrix functionality, featuring the Integrated Electronic BrainPro (IEB-Pro) and supporting up to 8x8 Dante channels that can be activated on demand.

Prisma-KPR00+ is controllable via web thanks to the Web App the built-in interface that can be accessed via any browser and gives full control over DSP parameters, network settings and system updates. The K-Connect for smartphone and tablet provide a user friendly interface for remote control of the DSP main parameters and easy configuration of the signal routing. It gives direct access to the Web App for a more advanced programming and it is ideal for a quick configuration.

The K-Control – is the ultimate solution for easy and accessible control of K-array devices. Using out advanced programming tool to customize the interface to any requirements. Ideal for all applications demanding smart and straightforward control of the K-array ecosystem.

It's possible to extend the capabilities of Prisma-KPR00+ with the KPRIN4 and KPROUT4 accessory boards, each offering an additional 4 channels. This expansion allows for a total of up to 8x analog inputs and outputs (GPI - input controls - multi-zones output configurations) providing flexibility for a diverse range of audio applications with nine distinct configuration setups.

[eb3fa5c4-87f6-47c2-8a44-3bcc97d71897.webp](#)

[0824782a-ad77-4bc5-b66f-fdac1a389a2f.webp](#)

[0ae060bf-cbc8-4c6e-96bb-9f8b](#)

DSP

Dante™ Digital Audio

KPR00+

1U RACK EXPANDABLE MATRIX, 8X8 DANTE CH ENABLED WITH IEB PRO

HIGHLIGHTS



MODULAR INTELLIGENCE FOR PROFESSIONAL AUDIO CONTROL

Prisma-KPR is an advanced audio matrix designed for high-end professional audio systems. Engineered with a modular architecture, it offers maximum expandability, full configurability, and seamless integration into both fixed installations and large-scale networked audio environments.

CONFIGURABLE I/O, DANTE™ NETWORKING, AND INTEGRATED CONTROL

The PRISMA family offers versatile models with I/O options ranging from 0x0 up to 8x8 balanced analog channels, plus 8x8 Dante™ channels supported by an onboard managed switch for seamless network integration. Integrated GPIO ports provide external control and automation capabilities. Four powered versions deliver output powers of 4x50W, 4x150W, 4x300W, or 4x750W.



KPR00+

1U RACK EXPANDABLE MATRIX, 8X8 DANTE CH ENABLED WITH IEB PRO

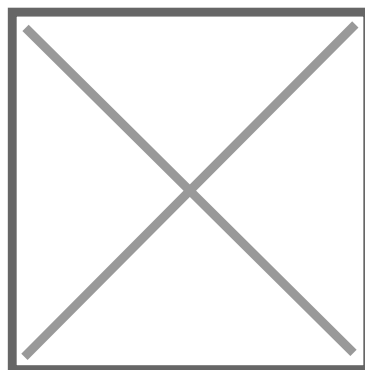


THE CORE OF POWER AND INTEGRATION

At its core lies the IEB-PRO, powered by OsKar+ — the native K-array operating system — engineered to provide advanced networking capabilities, signal routing, and system control. Paired with a powerful DSP for high-precision signal processing, it ensures optimal performance in demanding audio environments. The platform offers streamlined control and management via an onboard Web App, along with intuitive access and seamless configuration through K-Connect and K-Control.

RELIABLE 1U/2U RACK DESIGN FOR VERSATILE AUDIO INSTALLATIONS

Available in 1U and 2U rack-mountable formats, PRISMA features a compact, durable chassis made from high-quality materials to ensure thermal efficiency and structural reliability. Its space-saving design allows seamless integration into AV racks and audio installations, offering maximum versatility for system integrators and installers.



KPR00+

1U RACK EXPANDABLE MATRIX, 8X8 DANTE CH ENABLED WITH IEB PRO

PRODUCT DETAILS

KEY FEATURES

1U rack-compatible

Equipped with Dante-Ready™ for activation of Dante™ license and supporting up to 16 Dante channels (8x8)

Onboard DSP with: 15-bands fully parametric Input EQ; 15-bands fully parametric Output EQ with selectable filters (Peaking, High-Shelf, Low-Shelf, High-Pass, Low-Pass, HP-Butterworth, LP-Butterworth); Noise Gate on Analog signals; Audio Priority/fail over on router inputs 1 to 4; Signal routing (freely assignable input-to-output signal path with crosspoint level adjustment); Output Channel delay up to 50 ms

Integrated Electronic Brain PRO (IEB Pro) with osKar custom operating system running on quad core 1.6 GHz internal processor

Digital channel count (IEB PRO 8x8), connection and signal redundancy

Expandable with dedicated KPRIN4 and KPROUT4 accessory boards

REST API for easy integration with third-party remote control systems

K-Connect mobile for easy wireless access to the DSP features

K-Control customizable dashboard and app for smart control and integration with the K-array ecosystem

SPECIFICATIONS

Type	Matrix Processing Platform with IEB-Pro and osKar custom operating system
Input Frequency Response	20 Hz – 20 kHz (+0/-1dB)
Input Impedance	(balanced) 4 k Ω
Input Sensitivity	0dBV @0dB gain
Gain Step	0dB / +16dB / +32dB / +48dB
Max Input Gain	+20dBV @0dB

KPR00+

1U RACK EXPANDABLE MATRIX, 8X8 DANTE CH ENABLED WITH IEB PRO

Phantom power	Yes, +48V DC selectable on each individual channel via Dip Switch
ADC	Yes, Sampling Rate 48kHz
Output Frequency Response	20-20KHz +0/-1dB
Output	THD 0,1 %
Output Impedance	(balanced) 4 k Ω
Reference Output Level	Nominal + 4 dBu (Max output
Input Connections	Up to 2x input slot with 8x BAL input
Output Connections	Up to output slot with 8x BAL input
Digital Connections	Up to 16x Dante channel 8 IN/8 OUT - (enabled with Dante eady), 2x RJ45 Ethernet 1.Gbit - primary/secondary, 1x USB-A 2.0
Processor	iMX8 running on Quad. core 1.6 GHz with IEB-Pro osKar Operating System
Built-in DSP	15-bands fully parametric Input EQ; 15-bands fully parametric Output EQ with selectable filters (Peaking, High-Shelf, Low-Shelf, High-Pass, Low-Pass, HP-Butterworth, LP-Butterworth); Noise Gate on Analog signals; Audio Priority/fail over on router inputs 1 to 4; Signal routing (freely assignable input-to-output signal path with crosspoint level adjustment); Output Channel delay up to 50 ms
Controls	4x GPI - (24 Vdc - 0,5 A)
Remote Control	K-control, Web-App built-in interface, Third party remote control system
MAINS Operating Range	100 – 240 Vac autorange / 24 Vdc
Dimensions (WxDxH)	480 x 221 x 43 mm -18.9 x 8.7 x 1.7 in. (1U Rack)
IP Rating	IP20
Material	Stainless Steel
Color	Black