



Description

Meet K-array new piece of audio technology with Prisma-KPRA02+, a cutting-edge solution that combines the power of our Kommander-KA amplifiers with a host of advanced features, all packaged within a sleek and compact design.

At the heart of the Prisma-KPRA02+ lies the IEB-Pro, a sophisticated electronic brain that transforms this compact amplifier unit into a potent processing platform with matrix capabilities. Equipped with Dante-Ready™, the Prisma-KPRA02+ is able to activate the Dante™ license, supporting up to 8x8 Dante channels, setting a new standard for seamless audio integration.

Designed for versatility, the Prisma-KPRA02+ mount a dedicated input board with preamplifier that facilitates routing, providing 4x analog balanced microphone inputs, and an amplifier module with 4x channels x 50W @ 4Ω. This compact bundle combined with Kommander-KA021 making it the ideal choice for a wide range of applications, including conference and boardroom, retail spaces, hospitality, and more.

Prisma-KPRA02+ offers web control through its Web App, allowing full access to DSP parameters, network settings, and system updates via any browser. K-Connect mobile app for smartphones/tablets provides a user-friendly interface for remote DSP control and signal routing configuration. The K-Control is an advanced programming tool for customizable and straightforward control of K-array devices, suitable for various applications.

- 1U rack - accessory available for rack mount up to 2 units in 1RU
- Equipped with Dante-Ready™ for activation of Dante™ license and supporting up to 8x8 Dante channels.
- DSP onboard with:
 - Grouping,
 - Equalization, Limiters, Routing, Level,
 - Loudspeakers presets
- Integrated Electronic Brain-Pro (IEB - Pro) with osKar custom operating system running on quad core 1.6 GHz internal processor.
- Optional 8x8 Dante I/O with redundancy
- Included K-PREAMPS4 accessory board.
- REST API for easy integration with third-party remote control systems.
- K-Connect mobile app for easy wireless access to the DSP features.
- K-Control app for smart control and integration with the K-array ecosystem.

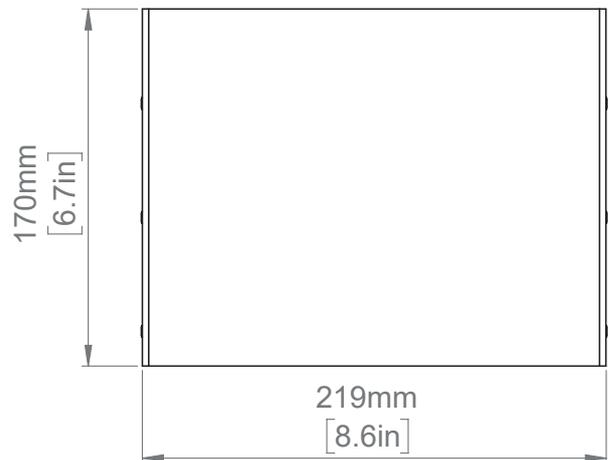
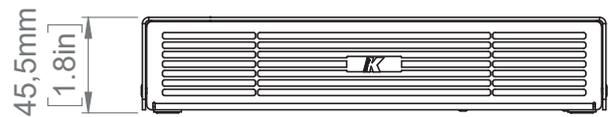
All the Prisma-KPRA02+ components are designed by the K-array R&D department and are custom made under the K-array quality control system in Italy.

Prisma-KPRA02+

| Technical Specifications | |
|--|---|
| Type | Amplified matrix with IEB-Pro |
| Preamplifier module | |
| Inputs | Analog: 4x BAL input: Euroblock 1.5/ 3-ST-3.81, microphone balanced inputs |
| Input Impedance | 4.4 k Ω balanced |
| Gain Step | +12dB / +24dB / +32dB / +48dB |
| Max Input Gain | +8dBV @12dB gain |
| Phantom power | +48VDC selectable on each individual channel via Dip Switch |
| Operating Range | Requires 5VDC power supply via USB micro port |
| Input THD | 0,01 % |
| Amplifier module - 4ch switching mode, Class D Amplifier | |
| Frequency Response ¹ | 20-20KHz +0/ -1 dB |
| Output Impedance | minimum 4 Ω (2 Ω PBTL) |
| Output Power | 4x 50W @ 4 Ω |
| Inputs / Outputs | Inputs (Analog): 4x BAL input: Euroblock 1.5/ 3-ST-3.81 3.5 mm jack unBAL analog stereo input Outputs (Analog): 2x Euroblock 2.5/ 4-G-5,08 Optical: TOSLINK optical input |
| Connections | Digital: Dante channels 8x8 - (enabled with Dante Ready™), 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 | Grouping, Equalization, Limiters, Routing, Level, Loudspeaker presets |
| Operating Sampling Rate | 48KHz |
| Remote control | K-control Web-App built-in interface Third party remote control system |
| MAINS Operating Range | Dedicated AC/DC power adapter 100-240V ~ AC, 50-60 Hz input / 24 V, 4 A DC output |
| Power Consumption | 20 W @ 4 Ω load, 1/8 Rated Power (Pink Noise) |

| Handling & Finishes | |
|---------------------|--|
| IP rating | IP20 |
| Dimensions | 1RU - 219 x 46 x 170 mm (8.6 x 1.8 x 6.7 in) |
| Material | Aluminum |
| Color | Black |
| Weight | 0,7 kg (1.5 lb) |

| Included Accessories | |
|----------------------|---|
| K-PREAMP4S | Preamplifier module with 4x BAL inputs, gain steps +12dB each, phantom power +48VDC on each individual channel via Dip switch |



Notes:
Passive loudspeakers require dedicated presets loaded onboard K-array amplifiers.
New materials and designs are introduced into existing products without previous notice.
Present systems may differ in some respects from those presented in this catalog.