KA02 I

1U HALF RACK CLASS-D AMPLIFIER, 4X50W @ 4 OHM, INTEGRATED DSP, 2X2 DANTE CHANNELS ENABLED

The Kommander-KA02I is a fully featured 4x50W@4? class-D amplifier with a high-performing DSP, the Integrated Electronic Brain (IEB) with osKar custom operating system is running on quad-core 1.5 GHz internal processor.

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KA02I offers pristine sound and complete control over the connected loudspeakers, either as a stand alone driving unit and in conjunction with other K-array amplifiers in complex and demanding applications. Furthermore the Oscar operative system implements REST API for easy integration with third-party remote control systems.

The dedicated K-array Connect mobile app provides a user friendly interface for remote control of the DSP main parameters and easy configuration of the signal routing.

K-framework3 is the managing and control software dedicated to professionals and operators looking for a powerful tool for loudspeakers system design and tuning of large a number of units over a wired LAN.

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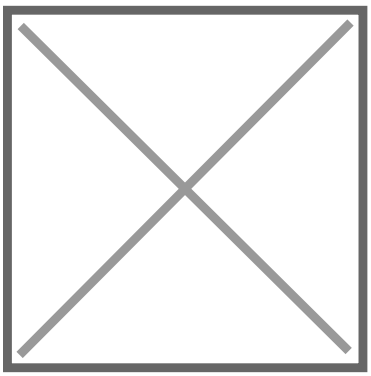
DSP Class-D Dante™ Digital Audio PC Control Software

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HIGHLIGHTS

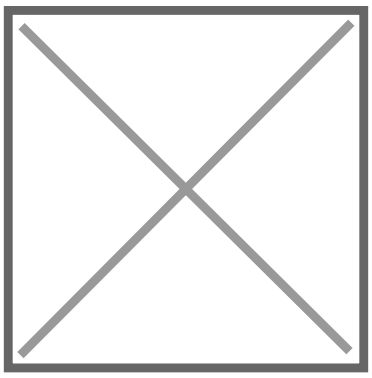


KOMMANDER: ALL-IN-ONE AMPLIFIERS AND PROCESSING SOLUTIONS

The Kommander series from K-array is a line of powerful, intelligent amplifiers designed to elevate your audio systems. Featuring powerful DSPs and Class D amplifier modules, the Kommander series can adapt to any context and extend your sound like never before.

DIFFERENT MODELS FOR EVERY NEED

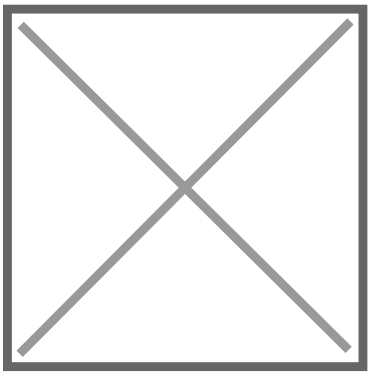
The Kommander series offers an array of models in two main categories: the 8x Inputs to 8x Outputs models and the 4x Inputs to 4x Outputs models. Several distinct variants tailored to fit specific audio requirements, allowing you to find the perfect solution for your unique setup.



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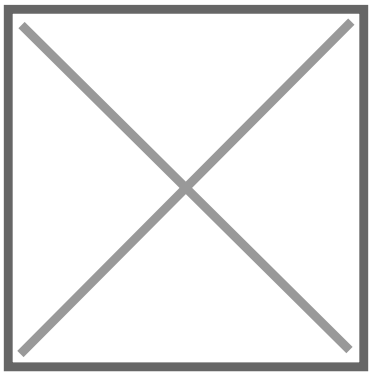
MAXIMUM POWER, GREAT COMMAND

With four to eight channels of amplification, each Kommander amplifier can drive any K-array passive product with maximum power. Fully configurable with integrated DSP, the Kommander series allows for comprehensive control over equalization, routing matrix, delay, and more. Say goodbye to signal processors and take complete control of your sound.

OSKAR OPERATIVE SYSTEM

The Kommander series integration with the next-generation intelligence operative system osKar enables you to manage the entire ecosystem through various control platforms.

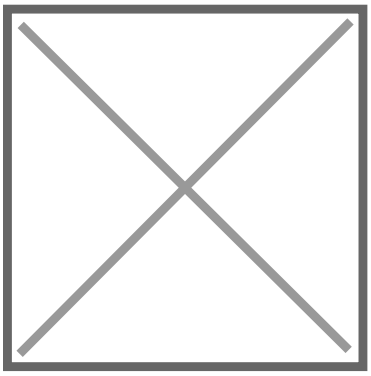
With new and advanced features regularly introduced with each release, the Kommander series is future-proofed and includes a USB player and a webstream receiver. Volumes, Signal Routing, as well as Presets are directly manageable through three different types of software and dedicated professional interface.



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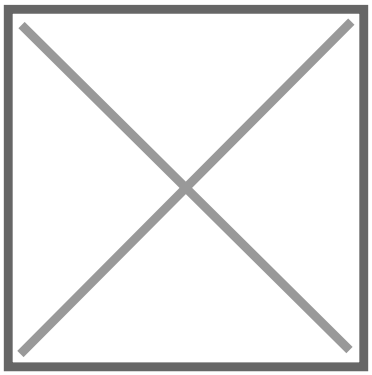
INTEGRATIVE ELECTRONIC BRAIN (IEB)

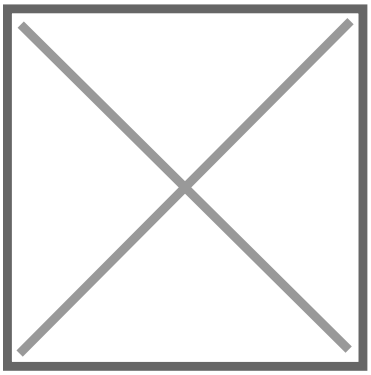
At the heart of the Kommander series is the Integrated Electronic Brain (IEB), powered by the osKar operating system. Driven by micro-electronics, this system features expansive sound processing capabilities, allowing you complete control over the system performance directly from your device. With a dedicated professional interface and mobile app, managing your sound has never been easier.

DANTE ACTIVATOR

To active a Dante license on a K-array device, just connect the unit to Internet and run the Dante Activator function in the Dante Controller.

Dante Ready Activator scans the local Dante network for any Dante Ready eligible products and shows the available options; purchases are immediately applied to the target devices for a smooth, easy experience.





UPDATED CONTROL SOFTWARE

Kommander series amplifiers can be remotely controlled by three different types of free software. From the most complete K-framework 3 for Windows and Mac to a more intuitive web app and a simplified mobile app (wi-fi required), managing your system is simple. Gain full control of your sound with APIs and plugins to manage devices via third-party controllers. Furthermore, an LED located on the front of each machine means you can monitor which devices are in communication with your Kommander amplifier at a glance.

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PRODUCT DETAILS

KEY FEATURES

- 1U Class D audio amplifier 4x 50 W @ 4 ?
- Onboard DSP featuring: Channel Grouping; 3 bands fully parametric Input EQ; 8 bands fully parametric Output EQ with Peaking, High-Shelf, Low-Shelf, High-Pass, Low-Pass, HP-Butterworth and LP-Butterworth filters; Dynamic limiters; Signal routing with freely assignable input-to-output signal path with level adjustment; Channel delay up to 230 ms
- Integrated Electronic Brain (IEB) with osKar custom operating system running on quad core 1.5 GHz internal processor
- REST API for easy integration with third-party remote control systems
- K-array Connect mobile app for easy wireless access to the DSP features
- K-framework3 multiplatform software for loudspeaker system design, managing, tuning and control of multiple audio sources
- 2x2 Dante Channels Enabled

SPECIFICATIONS

Type	4ch switching mode, Class D Amplifier
Frequency Response	20 Hz – 20 kHz (±1 dB)
Built-in DSP	Grouping, Input EQ, Output EQ, Signal Routing, Level adjustment, Dynamic Limiters, Delay
Remote Control	Wi-Fi dedicated K-array Connect mobile app. Ethernet wired K-framework3 multiplatform design and tuning software
Output Power	4x 50 W @ 4 ? (EIJA test standard)
Input Connectors	4x BAL input
Output Connectors	2x Euroblock 2,5/ 4-G-5,08
Digital Connections	4x USB-A 2.0, 1x RJ45 Ethernet, Bluetooth 4.1 Low Energy, Wi-Fi IEEE 802.11 b/g/n

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Power Connector	1x PowerCon TRUE IN
Nominal Impedance	minimum 4 ? or 2 ? PBTL (Parallel Bridge-Tied Load)
MAIN 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 ? load, 1/8 Rated Power (Pink Noise)
Protections	Thermal protection, output short circuit, RMS output current protection, high frequency protection, power limiter, clip limiter
Dimensions (WxHxD)	219 x 46 x 170 mm (8.6 x 1.8 x 6.7 in.)
Weight	0.7 kg (1.5 lbs.)
Material	Aluminum
IP Rating	IP20
Color	Black

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