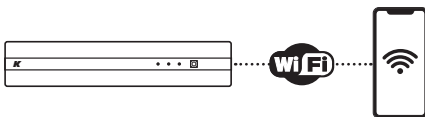## Description

The Kommander-KA104 is a fully featured, 4x2500W@4Ω amplifier platform with DSP highly integrated into the K-array collection ecosystem.

The Kommander-KA104 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.

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.
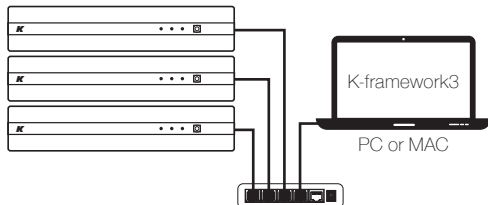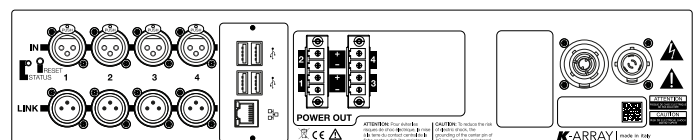

K-framework3 is the managing and control software dedicated to professionals and operators looking for a powerful tool for loudspeakers system design and tuning of large a number of units over a wired LAN.

- Class D audio amplifier module 4x 2500W @ 4Ω.

- DSP onboard with:
  - Channel Grouping: group controls over multiple channels;
  - Input EQ: 3 bands fully parametric equalizer;
  - Output EQ: 8 bands fully parametric selectable filters: Peaking, High-Shelf, Low-Shelf, High-Pass, Low-Pass, HP-Butterworth, LP-Butterworth;
  - Dynamic limiters;
  - Signal routing: 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 units in demanding applications.
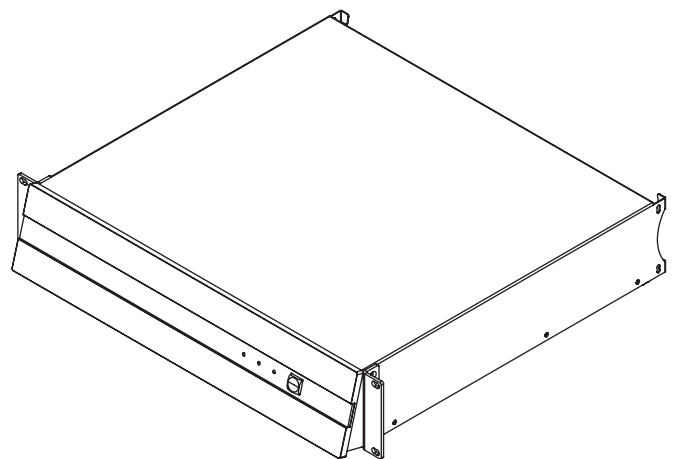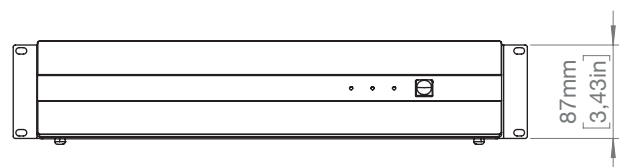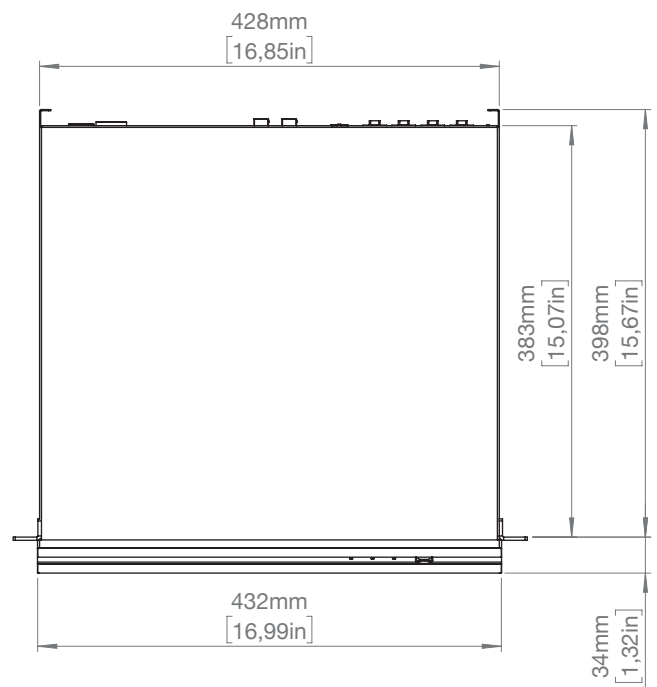
Technical Specifications

General

Type	4ch switching mode, Class D Amplifier
Output Power [1]	4x 2500 W @ 4 Ω
Impedance	minimum 4 Ω (2 Ω tolerant)
Frequency Response [1]	20 Hz – 20 kHz (±1 dB)
Connectors	Input: 4x XLR-F balanced input 4x XLR-M balanced LINK output Output: 2x PC 4/ 4-ST-7,62 speaker output Remote connectivity: 1x Ethernet RJ45 4x USB-A Wi-Fi IEEE 802.11 b/g/n
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
MAINS Operating Range	100-240V ~ AC, 50-60 Hz with PFC via powerCON TRUE connector with power link
Power Consumption	600 W @ 4 Ω load, Pink noise, 1/8 rated power
Protections	Thermal protection, output short circuit, RMS output current protection, high frequency protection, power limiter, clip limiter.

Handling & Finishes

IP Rating	IP20
Dimensions (WxHxD)	430 x 87 x 430 mm (17 x 3,4 x 17 in)
Weight	8,15 kg (18 lb)
Material	Aluminum

[1] EIAJ 8/32 test standard

428mm [16,85in]

383mm [15,07in]

398mm [15,67in]

432mm [16,99in]

34mm [1,32in]

87mm [3,43in]