Introduction

The EPAK2500 is a four-way, active control and amplification unit specifically designed for the ES Series modular loudspeaker system. It not only houses all signal processing and four individual amplifiers but also controls the allocation of power depending on the number of bass modules employed. The EPAK2500 is enclosed in a road-rugged case with side handles and a built in cable storage compartment. Easily transported on a trolley this unique amplification system has its electronics mounted on an independent suspension system that isolates it from the shocks and impacts typically encountered on the road. A large aluminum heat sink provides passive cooling along with two demand-sensitive fans for added reliability.

Features

- 4-way modular, 2500W Control and Amplification system for use specifically with ES Series modules
- High Frequency, 100W, Class AB, push-pull, low intermodulation amplifier with transformer balanced outputs
- Mid Frequency, 200W, Class AB, push-pull, low intermodulation amplifier with transformer balanced outputs
- Mid Bass, 600W, high efficiency, current enhancing, switching amplifier Subwoofer, 1600W, high efficiency, current enhancing, switching amplifier
- Complete on board speaker management system including equalization, time alignment, crossover filters, amplifier overdrive protection, system set-up and output level controls
- 20MHz sampling for on board time alignment and phase correction
- AC soft start circuitry with ON/OFF AC breaker switch provides thorough power protection
- Passive heat dissipation design with demand-sensitive forced cooling back-up system
- Set-up provides selection and control of different subwoofer combinations
- Professional enclosure using road-rugged case with side handles
- Removable front cover provides storage of all AC and speaker cables
- Bass Character- Attack or extension switch alters the low frequency character
- Includes all speaker cables for a single stack ES system CABLE-KIT

High Frequency Amplifier Specification

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Туре	Class AB, Push-Pull, Low IM Mosfet design with transformer balanced output
Rated Continuous Power	100W
Distortion	<0.05%
Operating Bandwidth	2.5kHz to 28kHz
Mid Frequency Amplifier Specification	

TypeClass AB, Push-Pull, Low IM Mosfet
design with transformer balanced
outputRated Continuous Power200WDistortion<0.05%</td>Operating Bandwidth500Hz to 2.5kHz

Mid Bass Frequency Amplifier Specification

Туре	High efficiency, Current-Enhancing, Switched-Rail Amplifier
Rated Continuous Power	600W
Distortion	<0.05%
Operating Bandwidth	130Hz to 500Hz

Product code: KVV 987 134 (250V) KVV 987 000 (230V) KVV 987 001 (115V)



Application

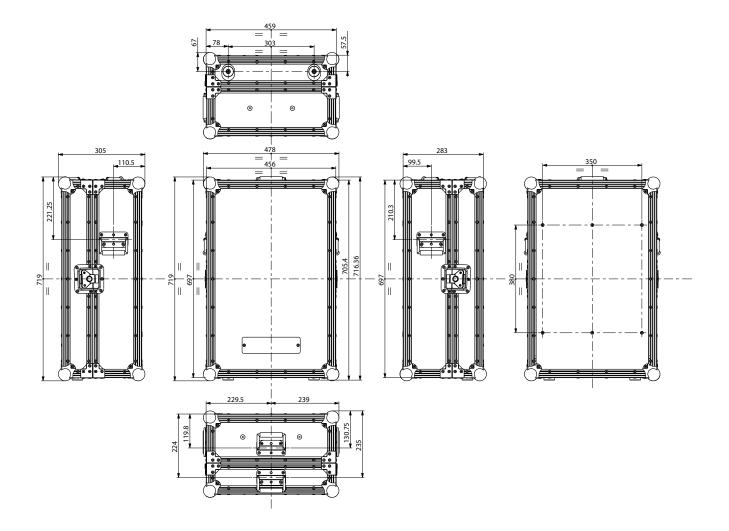
Specifically designed as the amplification and control elements for ES loudspeaker systems

- Portable PA
- Fixed Installations
- Bars and Nightclubs
- Houses of worship

Low Frequency Amplifier Specification

Low requestory rampimer ope	emeation
Туре	High efficiency, Current-Enhancing, Switched-Rail Amplifier
Rated Continuous Power	1600W
Distortion	<0.05%
Operating Bandwidth	20Hz to 130Hz
Signal Input	
Input Sensitivity	1.0V RMS
Input Impedance	20kΩ (balanced)
Speaker Output	
Speaker Output	AP6 (Mid-Hi), AP4 (Sub)
Power	
Power Connector	Neutrik PowerCon®
Operating Voltage Range	100 to 120V@60Hz 205 to 240V@50Hz 225 to 260V@50Hz
Recommended Amperage	20A 115V 10A 230V 10A 250V
Physical Dimensions	
Height	719 mm (28.30")
Width	478 mm (18.82")
Depth	305 mm (12")
Weight	32 kg (70.4lbs)

Dimensional Drawings





KV2 Audio International, Nádražní 936, Milevsko 399 01, Czech Republic Tel.: +420 383 809 320 Email: info@kv2audio.com | Web: www.kv2audio.com