

ESR3000MkII Technical Data Sheet

Introduction

The ESR3000MkII is three-way, active control and amplification system specially designed for the KV2 Audio ESR full range series loudspeaker systems. It houses all signal processing and amplification, as well as providing control and crossover function an external subwoofer cabinet if needed utilizing an external amplifier. The ESR3000MkII powers the ESR215MkII. Each unit incorporates six amplifiers consisting of two 100-watt, Class AB, push pull, low intermodulation amplifier for high frequencies, two 200-watt, Class AB, push pull, low intermodulation design for mids and two a 1000-watt, high-efficiency, current- enhancing switch mode technology amplifier for bass. The ESR3000MkII stereo configuration powers two ESR cabinets accordingly.

Features

The amplifier compliment inside the ESR3000MkII Amplifier is as follows:

- High Frequency - 2x 100-watt, Class AB, push pull, low intermodulation design
- Mid Frequency - 2x 200-watt, Class AB, push pull, low intermodulation design
- Low Frequency - 2x 1000-watt, high-efficiency, current-enhancing switch mode



Application

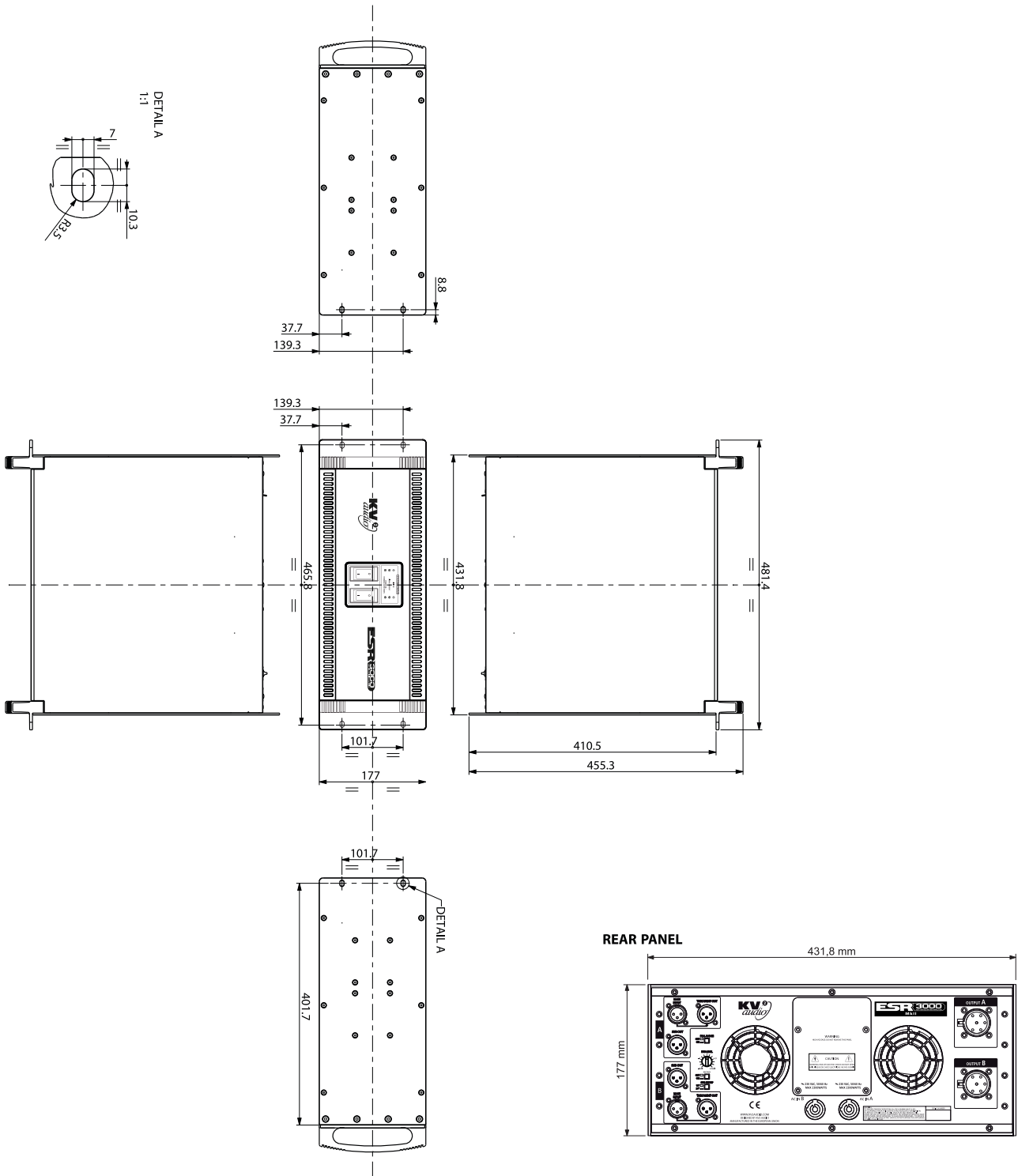
Intentionally designed for use in Theatres and Cultural Centers to provide the highest audio quality from single Column enclosures for stage sides and prosceniums for medium to larger venues

- Fixed Installations
- Music venues
- Classical and opera concerts

Output Channels		Signal Input	
Number of Channels	2 (stereo)	Input Sensitivity	1.0V RMS
Total Output Power	2x 1300W	Input Impedance	20kΩ (balanced)
High Frequency Amplifier Specification		Speaker Output	
Type	Class AB - Push Pull - Low IM Design, Transformer balanced output	Speaker Output	2x AP6 female
Rated Continuous Power	100W	Power	
Distortion	<0.02%	Power Connector	2x Neutrik PowerCon®
Operating Bandwidth	2.5kHz to 40kHz	Operating Voltage	115V / 230V / 250V
Mid Frequency Amplifier Specification		Operating Voltage Range	100 to 120V@60Hz 205 to 240V@50Hz 225 to 260V@50Hz
Type	Class AB - Push Pull - Low IM Design, Transformer balanced output	Recommended Amperage	2x10A 115V 2x5A 230V 2x5A 250V
Rated Continuous Power	200W	Physical Dimensions	
Distortion	<0.02%	Height	177 mm (6.97"), 4RU
Operating Bandwidth	400Hz to 2,5kHz	Width	481.4 mm (18.95")
Low Frequency Amplifier Specification		Depth	455.3 mm (17.93")
Type	High efficiency, Current-enhancing switch mode	Weight	39 kg (86lbs)
Rated Continuous Power	1000W		
Distortion	<0.02%		
Operating Bandwidth	20Hz to 400Hz		

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Dimensional Drawings



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