

ESR2800 Technical Data Sheet

Introduction

The ESR2800 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 ESR2800 powers the ESR212. 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 1000-watt, high-efficiency, current-enhancing switch mode technology amplifiers for bass. The ESR2800 stereo configuration powers two ESR cabinets accordingly.



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

Features

The amplifier compliment inside the ESR2800 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

- Fixed Installations
- Music venues
- Classical and opera concerts

Output Channels

Number of Channels	2 (stereo)
Total Output Power	2x 1300W

High Frequency Amplifier Specification

Type	Class AB - Push Pull - Low IM Design, Transformer balanced output
Rated Continuous Power	100W
Distortion	<0.02%
Operating Bandwidth	2.5kHz to 40kHz

Mid Frequency Amplifier Specification

Type	Class AB - Push Pull - Low IM Design, Transformer balanced output
Rated Continuous Power	200W
Distortion	<0.02%
Operating Bandwidth	500Hz to 2,5kHz

Low Frequency Amplifier Specification

Type	High efficiency, Current-enhancing switch mode
Rated Continuous Power	1000W
Distortion	<0.02%
Operating Bandwidth	20Hz to 500Hz

Signal Input

Input Sensitivity	1.0V RMS
Input Impedance	20kΩ (balanced)

Speaker Output

Speaker Output	- / 2x AP6
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Power

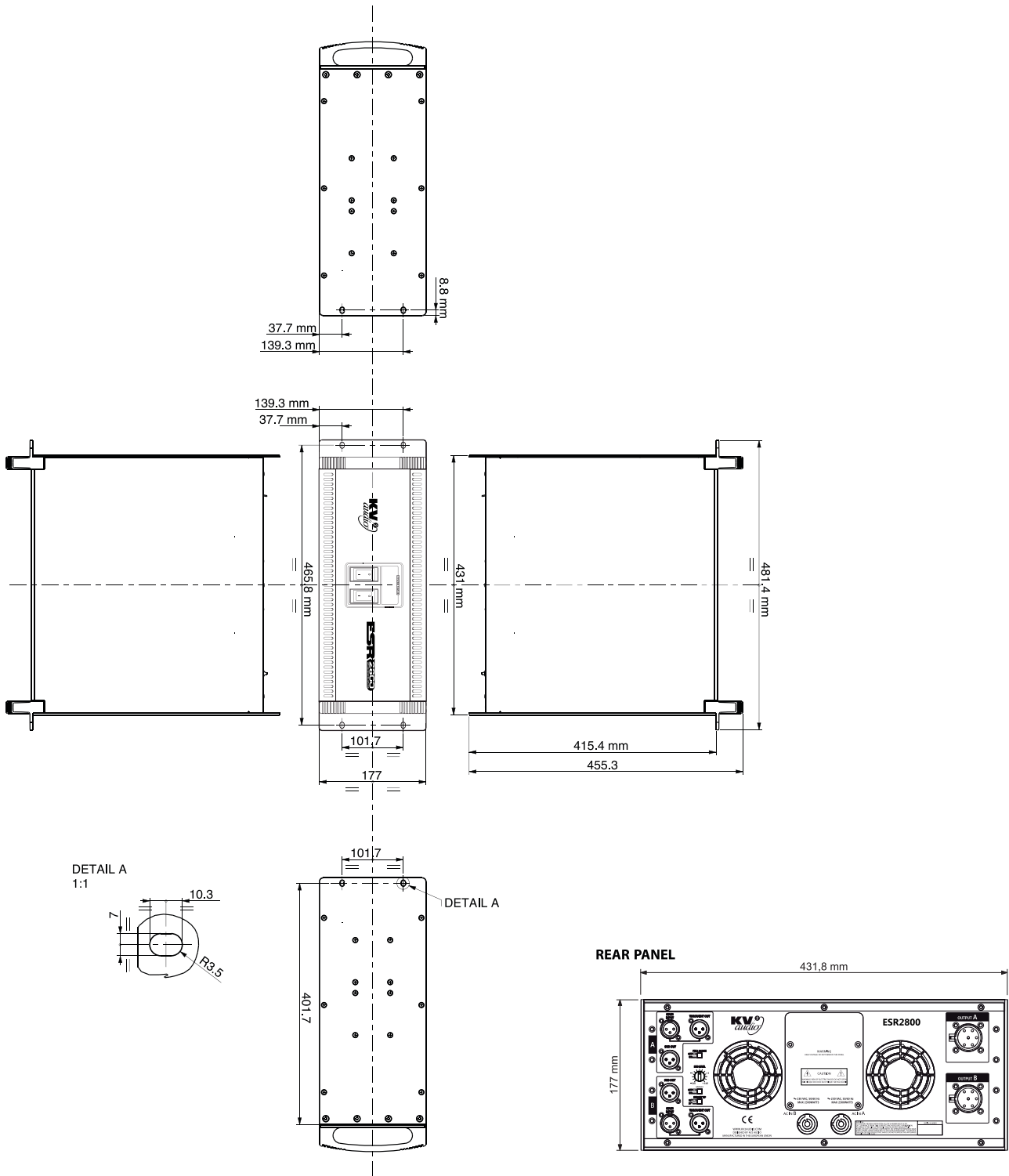
Power Connector	2x Neutrik PowerCon®
Operating Voltage	115V / 230V / 250V
Operating Voltage Range	100 to 120V@60Hz 205 to 240V@50Hz 225 to 260V@50Hz
Recommended Amperage	2x10A 115V 2x5A 230V 2x5A 250V

Physical Dimensions

Height	177 mm (6.97"), 4RU
Width	481.4 mm (18.95")
Depth	455.3 mm (17.93")
Weight	36 kg (79.37lbs)

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Dimensional Drawings



The future of sound. Made perfectly clear.



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