

MPA Technical Data Sheet

Product code: KVV 987 482

Introduction

The MPA is a Very High Definition microphone and musical instrument preamplifier with Class-A circuitry and a high quality transformer balanced output. A stepped Input gain selector is provided for easy and precise repeatability of settings. The preamplifier features adjustable high and low pass filters, with an adjustable limiter to control clip level and a transformer isolated high impedance line input. It also has a further auxiliary transformer balanced isolated output meaning a number of these units can be used together to make a multi-channel stage preamp, for splitting FOH and monitoring outputs, or for broadcast and recording duties -delivering them all through line drivers in pristine audio quality. Phase reverse and an in-built headphone amplifier, which doubles up as a third output, completes the feature rich unit. With the exceptional quality of all KV2's analog outboard electronics, the MPA can replace a preamplifier, Di-box/Splitter, line driver and headphone amplifier all in one box.

Application

- A Very High Definition studio recording preamplifier with low noise and increased dynamic range.
- A stage preamplifier and splitter with Line driver capability and Class-A circuitry.
- An esoteric Musical Instrument preamplifier with filters, Hi-Z input and Class-A circuitry.



System Acoustic Performance	
-3dB Response	10Hz to 100kHz
Total Harmonic Distortion	<0.002%
Signal Input	
Input Channels	3x
Input Impedance	2k Ω / 200 Ω Mic (+9dB), 1M Ω Hi-Z In
Max. Input voltage	+26dBu
Mic input	Phantom power, -20dB, Gain, Phase, LPF, HPF
Line input	Hi-Z, Input transformer
Signal Output	
Signal Output Channels	3 (Main, Aux, Phones)
Max. Output Voltage	19dBu (50 Ω) RMS
Recommended loading	\geq 50 Ω balanced, \geq 600 Ω AUX unbal., \geq 10 Ω phones

Features	
Input Level Control	+5 to +60dB, 5dB step, total gain 74dB
High Pass Filter	Vocal preset / 10Hz to 500Hz
Low Pass Filter	500Hz to 50kHz
Clip	Adjustable
Indicators	LED, 12 segment VU meter
Phantom power	48V
Power Requirements	
Power Consumption	250mA
Operating Voltage	\pm 16V
Physical Dimensions	
API Series 500 format	One slot

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Block diagram

