

# VHD Dual Output Preamp with built-in Line Drivers

## Introduction

- Very high definition, small stand alone mixer
- Stereo pair of balanced line inputs, stereo RCA phono connectors, and a very high quality VHD microphone preamplifier
- The microphone channel features phantom power, four band equalization and a variable high pass filter
- Switchable A or B outputs
- Both A and B outputs have line drivers built into them to maintain audio signal integrity over long cable lengths

## Features

- 1U 19" rack demo preamplifier with Line Drivers
- High quality mic input with 4 band EQ, High Pass filter and Phantom Power
- Left and Right XLR balanced in plus Left and Right RCA phono sharing two band EQ
- A and B switchable outputs with remote option and Line Drivers on all outputs



## Application

**Especially designed as a super high quality preamplifier to allow A/B comparisons and presentations between products and systems**

- Fixed installations
- Sub mixing
- Portable
- Demonstrations/presentations

System Acoustic Performance	
-3dB Response	10Hz to 50kHz
Total Harmonic Distortion	<0.0005%

Output Channels	
Number of Channels	2
Max. Output Voltage	14V / 7V (50Ω) RMS
Max. Output Current	450mA

Signal Input	
Input Channels	5
Input Impedance	2kΩ Mic / 20kΩ Balanced IN / 10kΩ RCA IN
Mic input	Phantom power, -20dB, Input level
Line input	RCA/Balanced, 2 band EQ, -10dB

Signal Output	
Output Channels	stereo A / stereo B
Output Impedance	50Ω

Features	
High Pass Filter	10Hz to 500Hz
Equalization	4-band EQ

Power	
Power Connector	IEC 320
Operating Voltage Range	100 to 250V@50 to 60Hz

Physical Dimensions	
Height	44.5 mm (1.75")
Width	483 mm (19.0")
Depth	177.8 mm (7.0")
Weight	2.5 kg (5.5lbs)

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## Architectural Specifications

The Preamplicifier-Controller shall provide two pairs of individual application specific electronically Balanced Output Channels for comparisons of two individual Audio systems using SLA Technology - (Super Live Audio).

The Preamplicifier shall have front panel controls to include Power switch, SLA - 4 band EQ potentiometers for Mic input, a variable High Pass Filter and a Phantom Power switch shall be used for 48V Phantom Power activation. A -20dB push button switch shall be used for gain reduction with the Mic input and there will be LED indicators for their activation. There shall be separate Gain and Master Volume potentiometers for the Mic input.

The Preamplicifier shall have front panel controls to include separate Gain and Master Volume potentiometers for the XLR Balanced and RCA Unbalanced Line inputs. SLA - 2 band EQ shall be employed for the Line inputs.

A push button switchable Gain control (-10dB) shall be used and a single input switch shall be used to select Balanced or Unbalanced Line input selection. A single RED LED shall indicate input Clip and overload of Line input. A Push Button shall be used to allow Channel A or B outputs for comparison between the two outputs with Green and Red LED indicators for each channel.

The Preamplicifier shall have an input Impedance of 2Kohm for Mic, 20Kohm for Balanced in and 10Kohm for RCA Unbalanced in.

The Preamplicifier will have an output Impedance of 50ohm. An IEC 320 Power connector shall be used for Mains power connection and the Preamplicifier shall have an operating Voltage range of 100-250v @50-60Hz. The System Acoustic Performance shall be -3dB 10Hz -50kHz . The system Total Harmonic distortion shall be no more than <0.0005%.

The Preamplicifier shall have dimensions of:

Height 44.5 mm / 1.75"

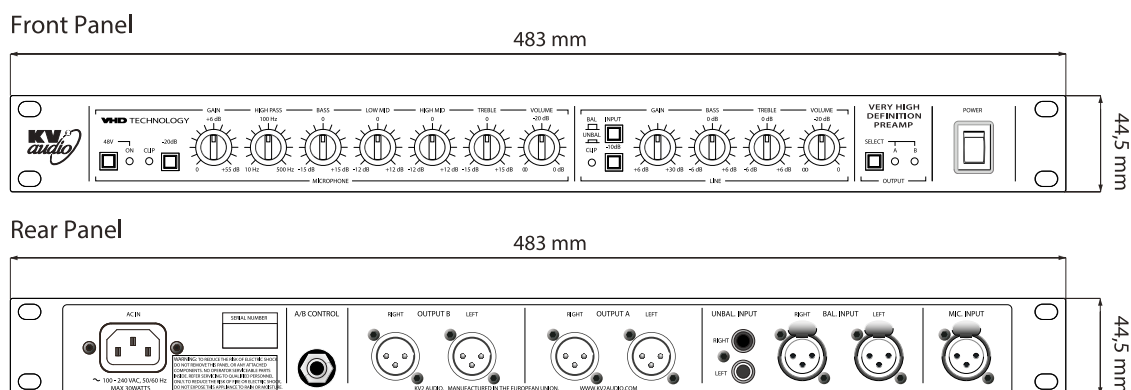
Width 483 mm / 19.0"

Depth 177.8 mm / 7.0"

The weight shall not exceed 2.5 kg /5.5lbs.

The Preamplicifier-Controller shall be the KV2 Audio VHD Preamp.

## Dimensional Drawings



The future of sound. Made perfectly clear.



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