

# SD8 Technical Data Sheet

## Introduction

The VHD SD8 is an eight-channel stage preamp designed with individual line drivers that maintain audio signal integrity over long cable lengths. As cable lengths increase, the length of the cable creates a high capacitance load that most microphones have difficulty in driving. The SD8 features eight independent mic inputs with gain control adjustment, -20 dB pad and 48 V phantom power. Each input has two outputs allowing signal routing to two separate locations such as front of house and monitoring consoles. A five bar LED display provides signal level information and a rotary knob provides 0db to +30 dB of gain control.

## Features

- 2U 19" rack eight channel stage preamp with line drivers
- Eight individual microphone or line inputs with gain controls and pads
- Phantom power available on each channel
- Sixteen individual 50  $\Omega$  outputs (two per input)

**Product code: KVV 987 093 - Stage preamp 230 V**  
**KVV 987 094 - Stage preamp 115 V**



## Application

**Specifically designed as part of the VHD system as a multi-channel stage preamplifier Line driver to maintain signal integrity between the stage Microphone instrument inputs and mixer over long distances**

- Live music and performance
- Fixed installations
- Can be used with any Audio system for improved results

System Acoustic Performance	
-1 dB Response	6 Hz to 500 kHz
Dynamic Range	>120 dB
Total Harmonic Distortion	<0.0005%
Output Channels	
Max. Output Voltage	14 V / 7 V (50 $\Omega$ ) RMS
Max. Output Current	450 mA
Signal Input	
Input Channels	8x
Input Impedance	20 k $\Omega$
Mic input	0 to +30 dB Gain, pad -20 dB
Signal Output	
Output Channels	8x2
Output Impedance	50 $\Omega$
Features	
Indicators	Signal bar, Phantom

Power	
Power Connector	IEC 320
Operating Voltage	115 V / 230 V
Operating Voltage Range	100 to 125V @ 60Hz 200 to 250V @ 50Hz
Physical Dimensions	
Height	89.0 mm (3.0")
Width	482.6 mm (19.0")
Depth	203 mm (7.9")
Weight	5.5 kg (12.1 lb)

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## Architectural Specifications

The SD8 Stage Pre amplifier shall provide eight full-range channels of Line Driven signal using SLA Technology – (Super Live Audio).

The unit shall incorporate Front panel rotary controls for level adjustment, push button switches for 48 V Phantom power and -20 dB pad. Input level meters and a single power switch with single green LED ON indicator are front Panel mounted.

The rear panel shall incorporate eight balanced input XLR connectors with a pair of balanced XLR output XLR connectors per each input. The input impedance shall be 20 k $\Omega$  balanced and the output impedance 50  $\Omega$ .

A single IEC 320 Power connector shall be used for mains connection and shall have an operating Voltage range of 100 to 125 V @ 60 Hz and 200 to 250 V @ 50 Hz.

The system Acoustic performance shall be 6 Hz-500 kHz -1 dB.

The total system Harmonic distortion shall be no more than <0.0005%.

The unit dimensions shall be:

Height 89.0 mm (3.0")

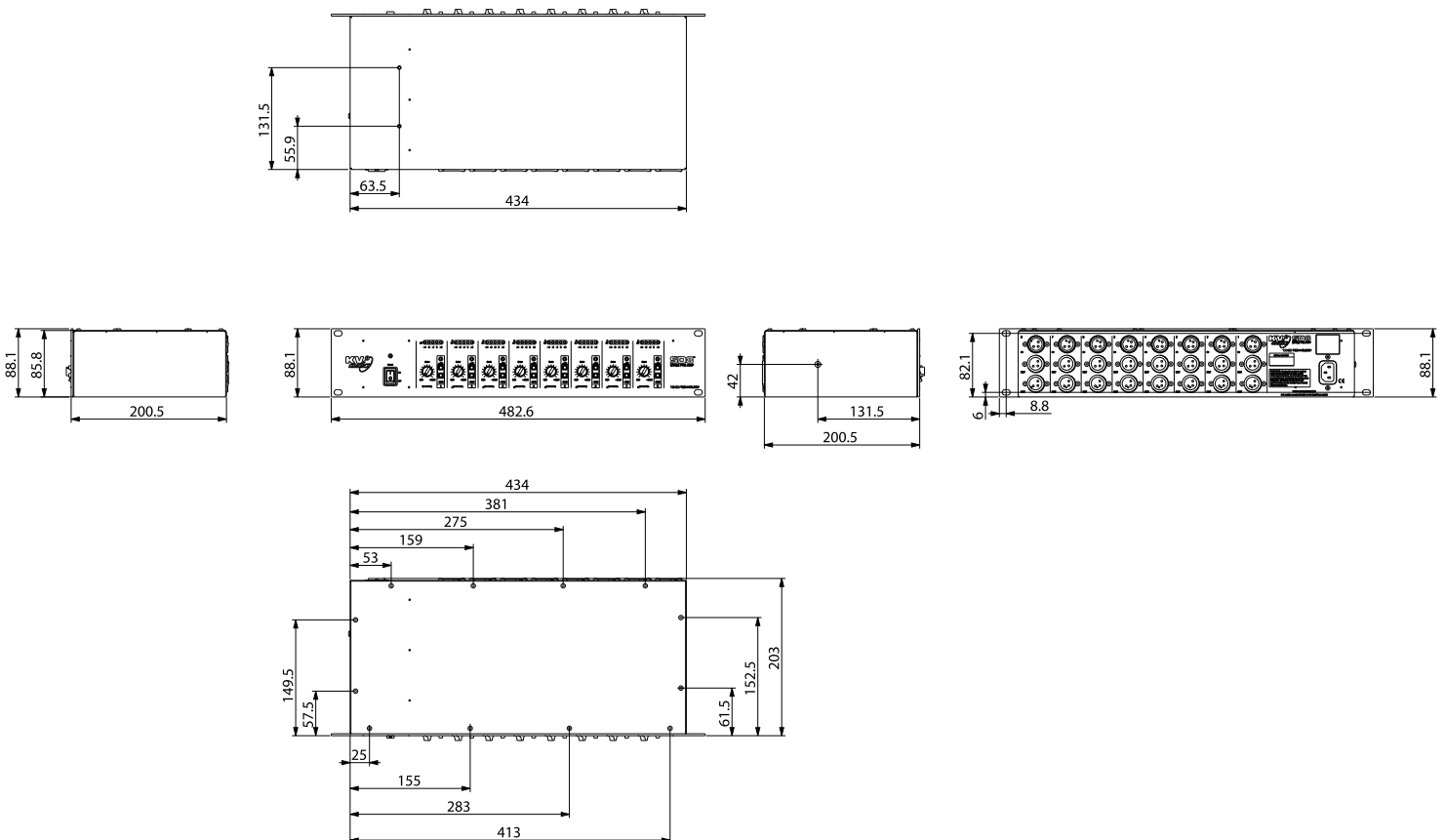
Width 482.6 mm (19.0")

Depth 203 mm (7.9")

The weight shall not exceed 5.5 kg (12.1 lb).

The Unit shall be the KV2 Audio SD8.

## Dimensional Drawings



KV2 Audio International, Nádražní 936, Milevsko 399 01, Czech Republic

Tel.: +420 383 809 320

Email: [info@kv2audio.com](mailto:info@kv2audio.com) | Web: [www.kv2audio.com](http://www.kv2audio.com)