

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 48V 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 ohm outputs (two per input)

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

Power	
Power Connector	IEC 320
Operating Voltage	115V / 230V
Operating Voltage Range	100 to 120V @ 60Hz 230 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 (12.1lbs)

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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 48V Phantom power and -20dB 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 20Kohms balanced and the output impedance 50 ohms.

A single IEC 320 Power connector shall be used for mains connection and shall have an operating Voltage range of 100 to 120V@60Hz and 230 to 250V@50Hz.

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

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

The unit dimensions shall be:

Height 89.0 mm (3.0")

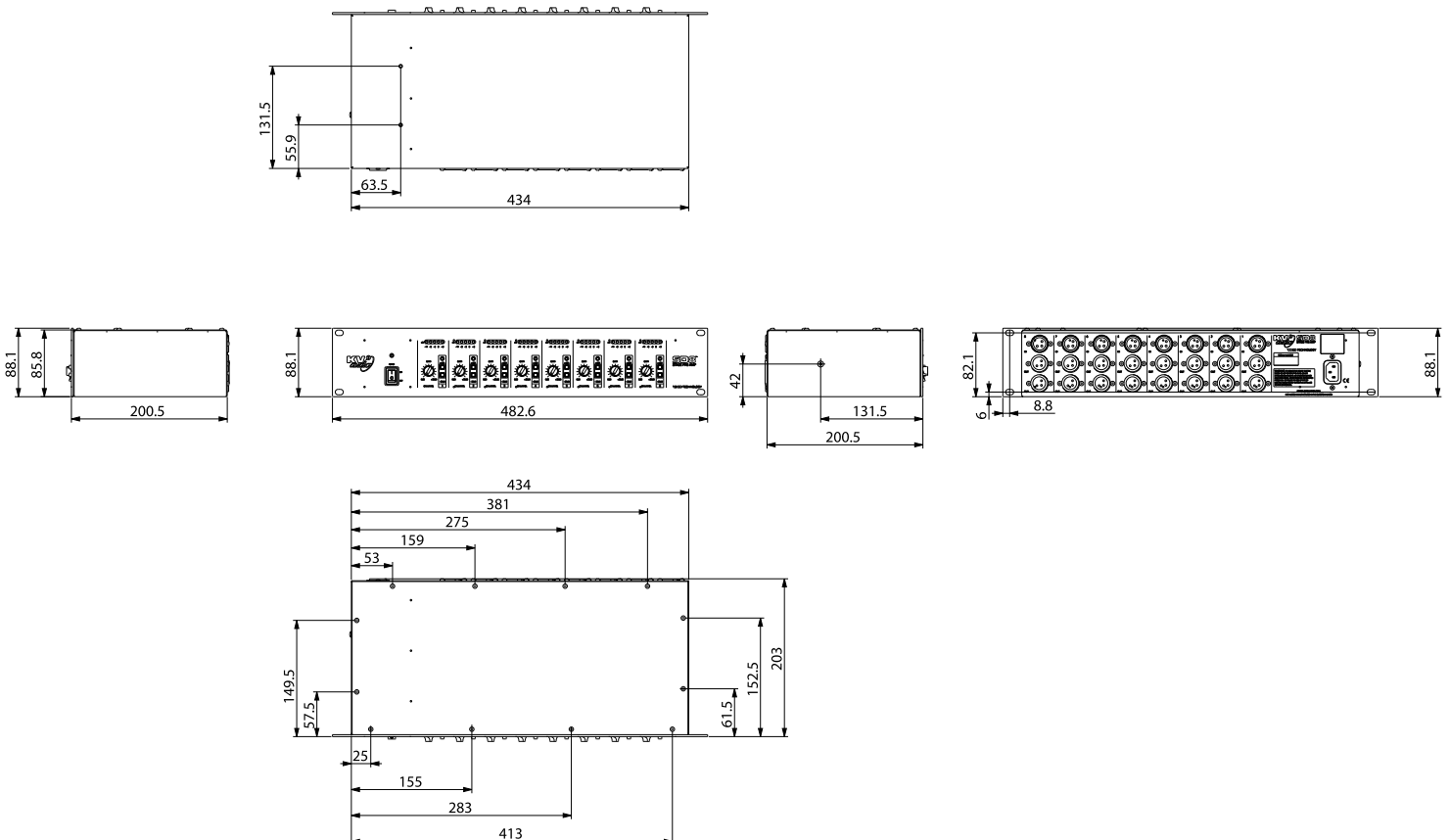
Width 482.6 mm (19.0")

Depth 203 mm (7.9")

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

The Unit shall be the KV2 Audio SD8.

Dimensional Drawings



The future of sound. Made perfectly clear.



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