



# SD8

## User Guide

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### Stage Driver - 8 Channel



# The Future of Sound. Made Perfectly Clear.

At KV2 Audio our vision is to constantly develop technologies that eliminate distortion and loss of information providing a true dynamic representation of the source.

Our aim is to create audio products that absorb you, place you within the performance and deliver a listening experience beyond expectations.

## Important Safety Instructions

Observe all instructions and follow warnings marked on the equipment and in the user's manual.

Connect the equipment only to a source of proper mains voltage.

Do not attempt to switch on any equipment that has been dropped, that is damaged, or has had liquid penetration, or if malfunctions have occurred and their nature requires a repair action. The supply cable shall be made by a person having proper qualifications.

## Warning

The equipment is designed in Class I and shall be connected to a wall socket having protective earthing.

The mains plug and supply cable shall remain easy accessible, as this is used for disconnection of the equipment from the supply source if necessary.

Never interrupt earthing due to safety reasons.

Do not place the equipment close to heating bodies or other sources of heat and protect it against direct sunlight.

The equipment must not come into contact with open flames.

Ventilation of the equipment must not be obstructed by covering of ventilation openings.

The equipment must not be exposed to dripping or splashing liquid or water and excessive humidity.

Any object filled with any liquid shall not be placed on the equipment.



The triangle with a symbol of a lightning marks parts of the equipment under life jeopardizing voltage, whose values may cause an injury from electric shock.



The symbol indicating that the equipment is manufactured in compliance with EU standards.



The triangle with a symbol of an exclamation mark in the text marks important instructions for operation, setting and maintenance.

## Basic description

The SD8 is an 8-channel microphone preamplifier combined with a line amplifier. It is designed for primary processing of microphone signals. Impedances of the SD8 inputs are properly adapted to most of the microphones used, the signals are amplified and the inputs, thanks to their low impedance - (50 ohms) can drive, without any loss, long symmetrical lines to the mixers - (up to 500m). It is suitable to place the SD8 directly on the stage, close to the active microphones as practical, as most microphones cannot provide loss-free excitation of long cables. 48V phantom supply is available to supply condenser microphones. Each channel is equipped with two identical outputs that can be used for connection of a main mixer and monitoring desk, recording device, etc.

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## SD8™ STAGE PRE-AMP

SD8 - part number KVV 987 093 - Stage preamp (230V)  
KVV 987 094 - Stage preamp (115V)



### 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

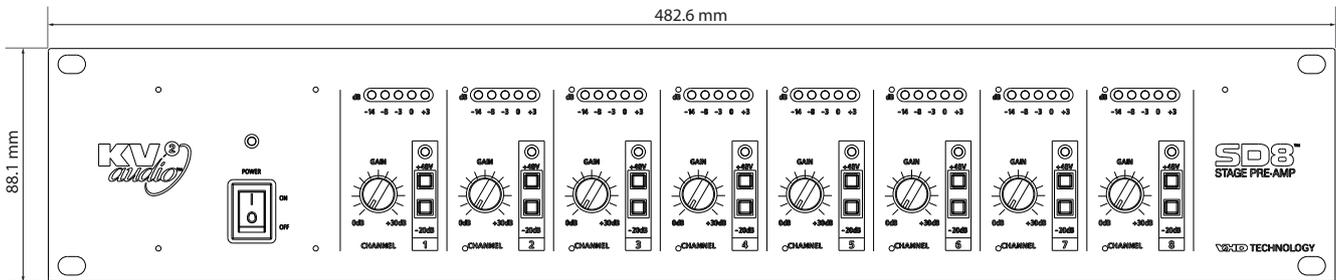
- Live music and performance
- Fixed installations
- Can be used with any Audio system for improved results

### Introduction

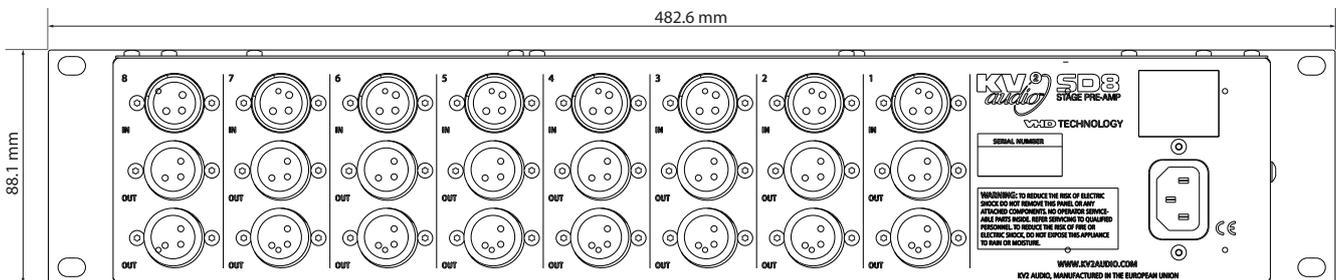
The VHD SD8 is an eight-channel stage preamp designed with individual line drivers that maintain audio signal integrity over long cable lengths. As cable lengths increase, the length of the cable creates a high capacitance load that most microphones have difficulty in driving. The SD8 features eight 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.

### Dimensions

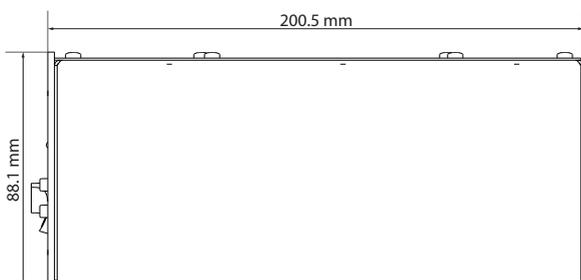
#### Front Panel:



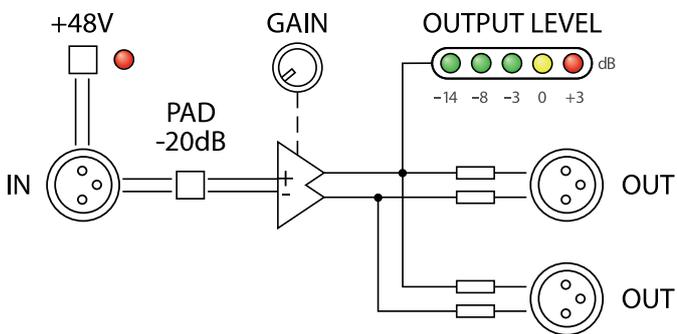
#### Rear Panel:



#### Side Panel:



## Block Diagram (One Channel)

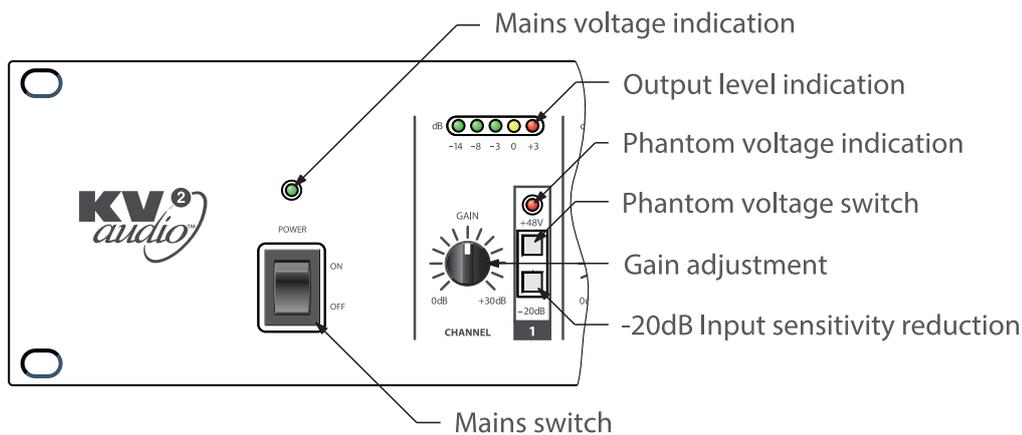


## Input / Output Connectors Pins

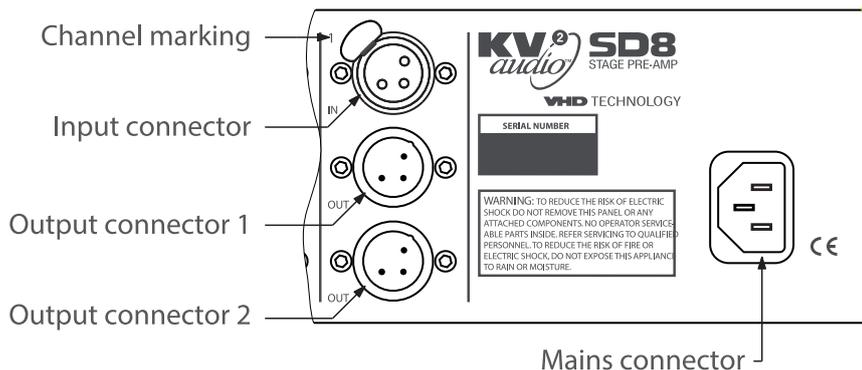


- Pin 1 - Ground
- Pin 2 - Signal (+)
- Pin 3 - Signal (-)
- Case - Earth (AC) ground and chassis

## Front panel Description



## Rear panel Description



## Specifications

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)

## Warranty

Your SD8 is covered against defects in material and workmanship.

Refer to your supplier for more details.

## Service

In the unlikely event that your SD8 develops a problem, it must be returned to an authorized distributor, service centre or shipped directly to our factory. Because of the complexity of the design and the risk of electrical shock, all repairs must be attempted only by qualified technical personnel.

If the unit needs to be shipped back to the factory, it must be sent in its original carton. If improperly packed, the unit may be damaged.

To obtain service, contact your nearest KV2 Audio Service Centre, Distributor or Dealer.



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