



SD8

User Guide

Stage Driver - 8 Channel



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 500 m). 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. 48 V 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.

Contents

| | |
|--------------------------------|----------|
| Introduction | 3 |
| Introduction | 3 |
| Dimensions | 3 |
| Description | 4 |
| Block Diagram (One Channel) | 4 |
| Input / Output Connectors Pins | 4 |
| Front panel Description | 4 |
| Rear panel Description | 4 |
| Specifications | 5 |
| Warranty · Service | 6 |

SD8™ STAGE PRE-AMP

SD8 - part number 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

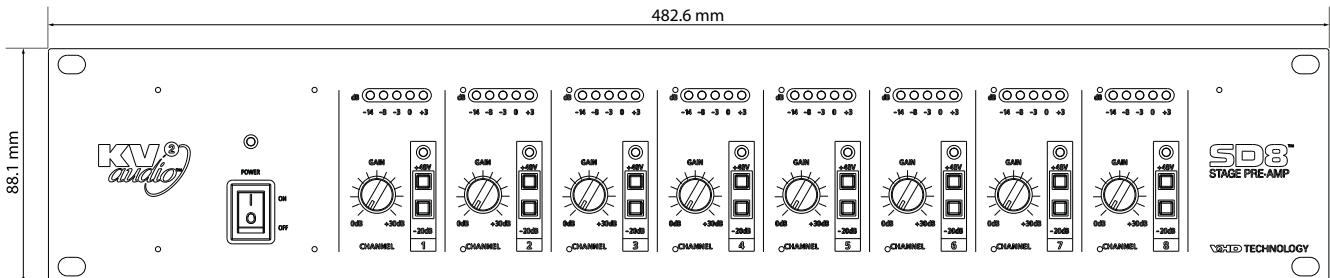
- Live music and performance
- Fixed installations
- Can be used with any Audio system for improved results

Introduction

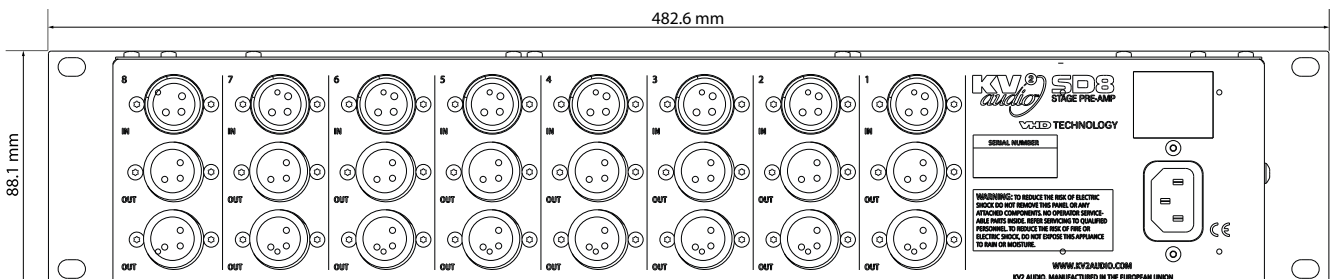
The VHD SD8 is an eight-channel stage preamp designed with individual line drivers that maintain audio signal integrity over long cable lengths. As cable lengths increase, the length of the cable creates a high capacitance load that most microphones have difficulty in driving. The SD8 features eight 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 0 db to +30 dB of gain control.

Dimensions

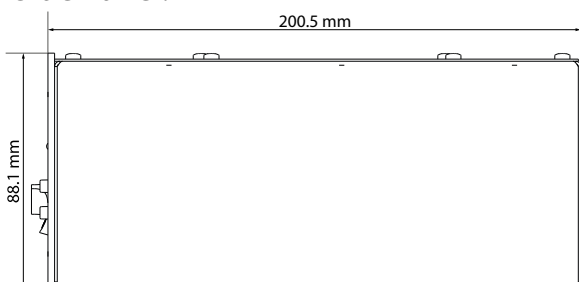
Front Panel:



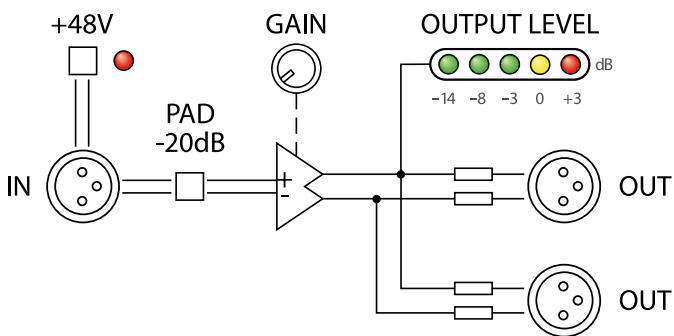
Rear Panel:



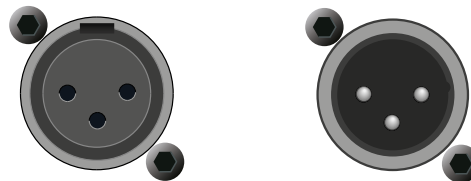
Side Panel:



Block Diagram (One Channel)

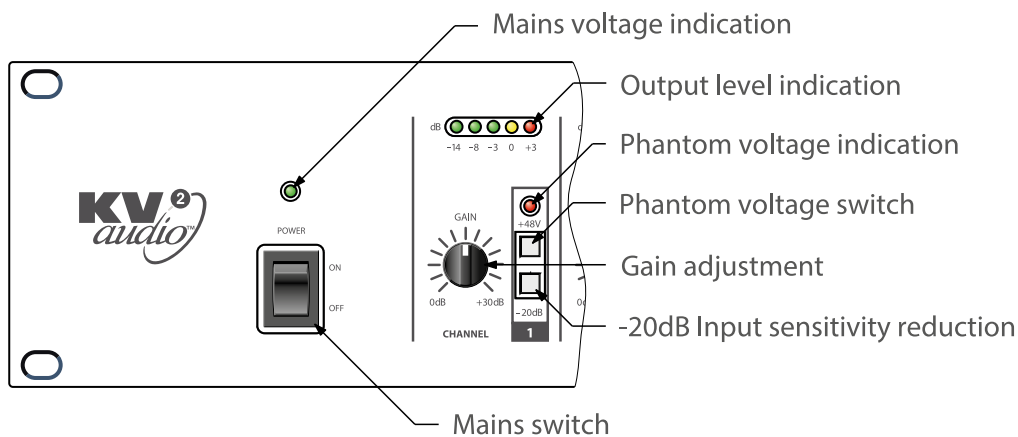


Input / Output Connectors Pins

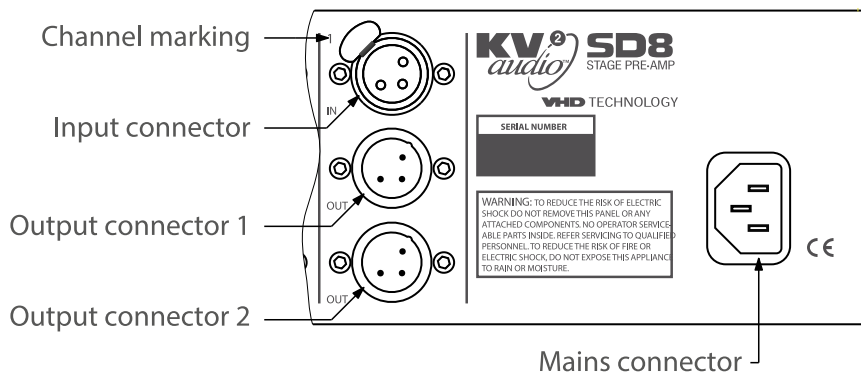


- Input*
- Output*
- Pin 1 - Ground
- Pin 2 - Signal (+)
- Pin 3 - Signal (-)
- Case - Earth (AC) ground and chassis

Front panel Description



Rear panel Description



SD8 · Description

Specifications

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 Ω) RMS |
| Max. Output Current | 450 mA |

Signal Input

| | |
|-----------------|------------------------------|
| Input Channels | 8x |
| Input Impedance | 20 kΩ |
| Mic input | 0 to +30 dB Gain, pad -20 dB |

Signal Output

| | |
|------------------|------|
| Output Channels | 8x 2 |
| Output Impedance | 50 Ω |

Features

| | |
|------------|---------------------|
| Indicators | Signal bar, Phantom |
|------------|---------------------|

Power

| | |
|-------------------------|---|
| Power Connector | IEC 320 |
| Operating Voltage | 115 V / 230 V |
| Operating Voltage Range | 100 to 125 V @ 60 Hz 200 to 250 V @ 50 Hz |

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) |

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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Made Perfectly Clear.

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