

Introduction

The VHD LD4 is a four channel line driver designed to maintain audio signal integrity over long cable lengths. As cable lengths between mixers and amplifiers increase, the length of the cable creates a high capacitance load that many mixers have difficulty in driving. The LD4 eliminates standing waves and signal impurities resulting in the delivery of a high quality audio signal no matter what the cable length. The VHD LD4 was built as a part of KV2 Audio's VHD product philosophy focused on delivering very high definition audio. Each channel features an individual transformer based power supply with insulated grounding. Circuitry is designed to provide excellent resolution of signal with very high dynamic content as found in live sound applications.



Features

- 1U 19" rack four channel Line driver
- Four Individual 20k ohm inputs
- Four Individual 50 ohm outputs

Application

Specifically designed as part of the VHD system to preserve and maintain signal integrity between mixer and amplifier devices 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	4x
Input Impedance	20kΩ
Line input	Gain (50Ω) 0dB
Signal Output	
Output Channels	4x
Output Impedance	50Ω

Power	
Power Connector	IEC 320
Operating Voltage	115V / 230V
Operating Voltage Range	100 to 120V @ 60Hz 230 to 250V @ 50Hz
Physical Dimensions	
Height	44 mm (1.7")
Width	482.6 mm (19.0")
Depth	202.3 mm (7.9")
Weight	2.9 kg (6.5lbs)

LD4 Technical Data Sheet

Architectural Specifications

The LDD4 shall provide four full-range channels of Line Driven signal using SLA Technology – (Super Live Audio).

The unit shall incorporate a front panel power switch and single green LED ON indicator.

The rear panel shall incorporate four balanced input XLR connectors and four balanced output XLR connectors.

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 44 mm (1.7")

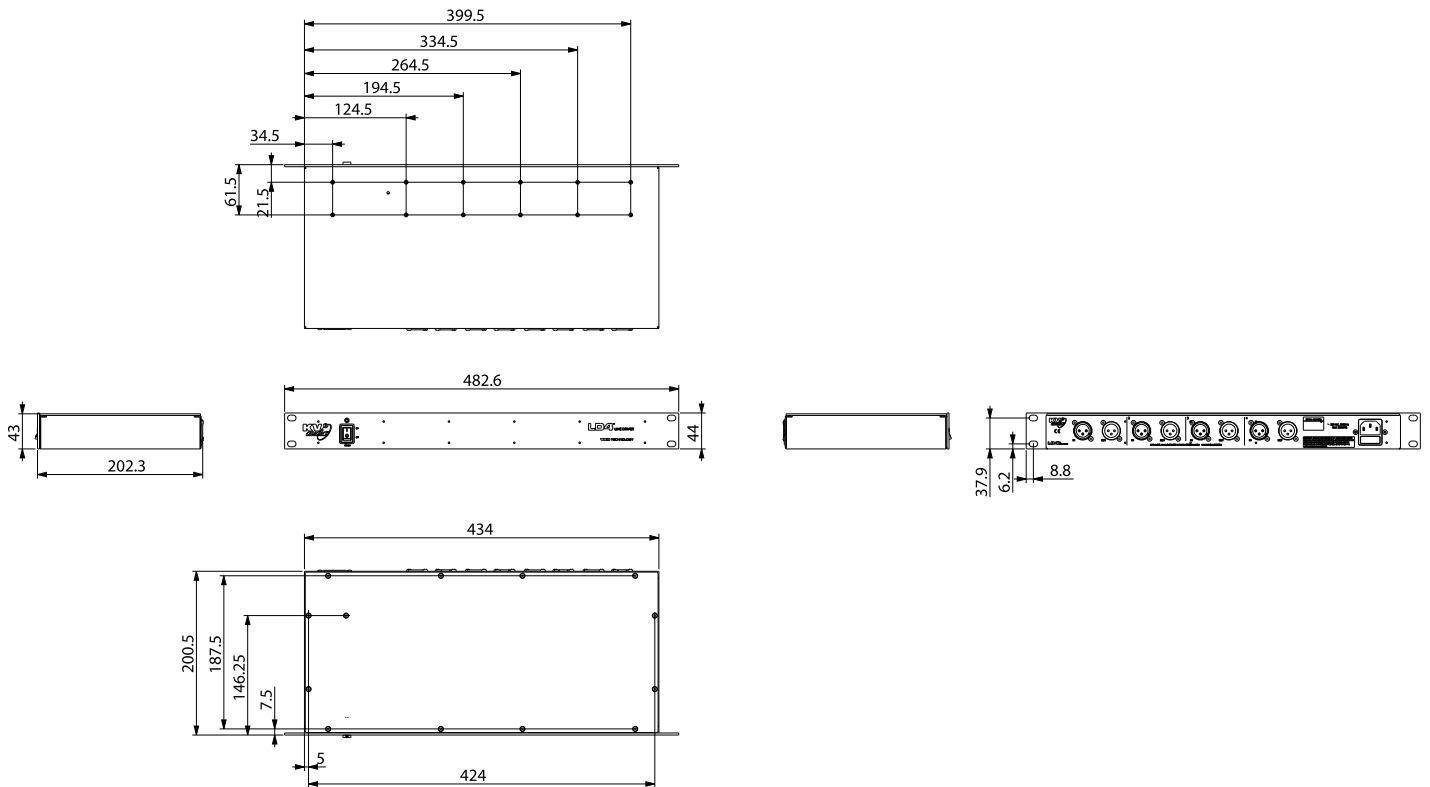
Width 482.6 mm (19.0")

Depth 202.3 mm (7.9")

The weight shall not exceed 2.9 kg (6.5lbs).

The Unit shall be the KV2 Audio LD4.

Dimensional Drawings



The future of sound. Made perfectly clear.



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