Digital Power Amplifier

Model List

- LD 101 | 2 x 300W Digital Power Amplifier
- LD 102 | 2 x 500W Digital Power Amplifier
- LD 103 | 2 x 800W Digital Power Amplifier
- LD 201 | 4 x 300W Digital Power Amplifier
- LD 202 | 4 x 500W Digital Power Amplifier
- LD 203 | 4 x 800W Digital Power Amplifier

Product Introduction

Introducing the LD Series Digital Power Amplifier, a cutting-edge evolution in audio amplification available in versatile 2-channel and 4-channel configurations. This series embodies the fusion of advanced digital technology and powerful, reliable amplification, offering models with 300W, 500W, or 800W per channel to suit any application. With remarkable efficiency of over 88%, the LD Series delivers a dynamic and crystal-clear sound experience while maintaining cool operation and low power consumption. Engineered for pristine audio fidelity and robust operation, every amplifier is safeguarded by a comprehensive protection suite. This includes a soft-start power-on delay, along with overheat, overload, short circuit, and DC protection, ensuring maximum reliability for both the amplifier and connected speakers. The system even automatically recovers once a fault is cleared, minimizing downtime. Housed in a lightweight, compact 1U rack-mountable chassis, the LD Series Digital Power Amplifier stands as a testament to innovation, providing unmatched performance and clarity for discerning audio enthusiasts.

Key Features

- Available in 2-channel (LD 101–103) and 4-channel (LD 201–203) configurations.
- Output power options of 300W, 500W, or 800W per channel at 4–8Ω.
- High efficiency exceeding 88% at full load with low power consumption.
- Signal-to-noise ratio of 105dB and total harmonic distortion under 0.1%.
- Selectable input sensitivity options of 0.775V, 1.0V, and 1.4V for system compatibility.
- Comprehensive protection suite including soft-start, overheat, overload, short circuit, and DC protection.
- Automatic system recovery once a detected fault is cleared to minimize downtime.
- Frequency response of 20Hz–20kHz with balanced input impedance of 20kΩ.
- Lightweight 1U rack-mountable chassis with weights ranging from 3.5 kg to 3.95 kg.
- Operating voltage range of AC 180–240V with power supply up to 2100W.

LD 101

LD 201

LD 102

LD 202

LD 103

LD 203

For further specifications or application details, please contact us. Specifications may change without prior notice. Technical modifications reserved.

Digital Power Amplifier

Technical Specification

	LD 101	LD 102	LD 103
Channels	2	2	2
Output Power per Channel (4-8Ω)	300W	500W	800W
Peak Power per Channel	400W	600W	900W
Bridge Power (8Ω)	500W	900W	1500W
Frequency Response	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
Signal-to-Noise (S/N) Ratio	105dB	105dB	105dB
Total Harmonic Distortion (THD)	<0.1%	<0.1%	<0.1%
Input Impedance (Balanced)	20kΩ	20kΩ	20kΩ
Input Impedance (Unbalanced)	10kΩ	10kΩ	10kΩ
Input Sensitivity (Selectable)	0.775V / 1.0V / 1.4V	0.775V / 1.0V / 1.4V	0.775V / 1.0V / 1.4V
Max Input Level	3.75V	3.75V	3.75V
Efficiency (Full Load)	>88%	>88%	>88%
Power Supply	AC 180-240V, 700W	AC 180-240V, 1000W	AC 180-240V, 1000W
Dimensions (W x D x H)	482 x 300 x 45 mm	482 x 300 x 45 mm	482 x 300 x 45 mm
Net Weight	3.5 kg	3.6 kg	3.6 kg

	LD 201	LD 202	LD 203
Channels	4	4	4
Output Power per Channel (4-8Ω)	300W	500W	800W
Peak Power per Channel	400W	600W	900W
Bridge Power (8Ω)	NA	NA	NA
Frequency Response	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
Signal-to-Noise (S/N) Ratio	105dB	105dB	105dB
Total Harmonic Distortion (THD)	<0.1%	<0.1%	<0.1%
Input Impedance (Balanced)	20kΩ	20kΩ	20kΩ
Input Impedance (Unbalanced)	10kΩ	10kΩ	10kΩ
Input Sensitivity (Selectable)	0.775V / 1.0V / 1.4V	0.775V / 1.0V / 1.4V	0.775V / 1.0V / 1.4V
Max Input Level	3.75V	3.75V	3.75V
Efficiency (Full Load)	>88%	>88%	>88%
Power Supply	AC 180-240V, 1300W	AC 180-240V, 2100W	AC 180-240V, 2100W
Dimensions (W x D x H)	484 x 268 x 44 mm	484 x 268 x 44 mm	484 x 268 x 44 mm
Net Weight	3.95 kg	3.95 kg	3.95 kg

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