

Power Amplifier - L Series

Technical data sheet

L Series

Two-channel power amplifiers for live sound



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L1300FD

DSP 2 x 650 w power amplifier for live performance applications



Scan for more info

L1800FD

DSP 2 x 950 w power amplifier for live performance applications



Scan for more info

L2800FD

DSP 2 x 1400 w power amplifier for live performance applications



Scan for more info

L3600FD

DSP 2 x 1800 w power amplifier for live performance applications

Dynacord's L Series power amplifiers are engineered to provide sound reinforcement for demanding live music applications. They are ideal for performing musicians and production companies providing sound reinforcement for live performances in venues like music clubs, community hall events, performance centers, and sports venues.

The L Series power amplifiers comprise a powerful linear amp design with a best in class, tour grade feature set that brings real professional performance to a new, more accessible price point. Like all Dynacord amplifiers, the L Series offers high-quality components and truly professional processing power and performance characteristics. Their engineering and applied technologies enable exceptional sound quality with plenty of headroom. Equipped with an extremely robust power supply and a powerful, linear amp design, flawless operation is guaranteed – even in the most demanding environments. A sophisticated protection circuitry ensures safe, reliable operation under all conditions.

L Series are supported by SONICUE Sound System Software, elevating them to the top league of professional amplifiers. The feature-rich onboard DSP gets a boost under SONICUE with 10 band PEQs and a dedicated array processing section. L Series are also equipped with FIR drive, a premium feature you find usually only with tour grade amplifiers, yielding a level of performance unheard of at this price point. Four different models are available, with total output power ranging from 1300 W to 3600 W at 4 ohms.

Features

- SONICUE provides enhanced DSP functionality to 10-band PEQs and a dedicated array processing section
- Rock solid amplifier technology engineered in Germany
- Extremely powerful, proven audio performance
- Sophisticated protection circuitry always protects the amplifiers and connected loudspeakers
- High-performance, bulletproof voltage handling
- On-board DSP includes multi-band PEQs, crossovers, limiters and delay per channel
- Advanced FIR drive to optimize original factory loudspeaker settings yielding a level of unparalleled performance
- Intuitive and simplified set-up, tuning and operation with SONICUE sound system software

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	DSP 2 x 650 w power amplifier for live performance applications	DSP 2 x 950 w power amplifier for live performance applications	DSP 2 x 1400 w power amplifier for live performance applications	DSP 2 x 1800 w power amplifier for live performance applications
Load Impedance	2Ω 2.6Ω 4Ω 8Ω	2Ω 2.6Ω 4Ω 8Ω	2Ω 2.7Ω 4Ω 8Ω	2Ω 2.7Ω 4Ω 8Ω
Maximum Output Power, Single Channel	2Ω=1100W; 2.6Ω=950W; 4Ω=660W; 8Ω=350W	2Ω= 1600W; 2.6Ω= 1300W; 4Ω= 950W; 8Ω= 480W	2Ω= 2300W; 2.7Ω= 2000W; 4Ω= 1400W; 8Ω= 700W;	2Ω= 3200W; 2.7Ω= 2700W; 4Ω= 1800W; 8Ω= 950W
Maximum Output Power, Dual Channel	2Ω=1000W; 2.6Ω=850W; 4Ω=600W; 8Ω=320W	2Ω= 1400W; 2.6Ω= 1200W; 4Ω= 850W; 8Ω= 450W	2Ω= 2200W; 2.7Ω= 1800W; 4Ω= 1300W; 8Ω= 650W;	2Ω= 3000W; 2.7Ω= 2500W; 4Ω= 1700W; 8Ω= 900W
Maximum Output Power, Bridged	4Ω=2000W; 8Ω=1200W	4Ω= 2800W; 8Ω= 1700W	4Ω= 4400W; 8Ω= 2600W;	4Ω= 6000W; 8Ω= 3400W
Maximum RMS Voltage Swing, THD = 1%, 1kl	55.3 V	65.1V	78.8V	90.6V
Voltage Gain ref.1kHz	32.0dB			
IMD-SMPTE, 60 Hz, 7 kHz	< 0.1%			
DIM 30	< 0.05% ()			
Maximum Input Level	+21 dBu			
Crosstalk	< -80dB ()			
Frequency Response	10 Hz to 21 kHz (±1 dB)			
Input Impedance, active balanced	20kΩ			
Signal-to-Noise Ratio (A-weighted)	>104dB	>105dB	>107dB	>109dB
Output Noise , A-weighted	< -68 dBu			
Output Stage Topology	Class AB	Class AB	Class H	Class H
Power Requirement	240 V, 230 V, 120 V or 100 V; 50 Hz to 60 Hz (factory configured)			
Power Consumption	550 W ()	700W ()	700W ()	850 W ()
Protection	Audio limiters, high temperature, DC, HF, Back-EMF, Peak current limiters, Inrush current limiters, Turn on delay			
Cooling	Front-to-rear, 3-stage-fans			
Safety Class	I			
Height x Width x Depth	3.46" (88mm) x 19.02" (483mm) x 18.2" (462.4mm)			
Weight Net	28.44lbs (12.9kg)	33.51lbs (15.2kg)	35.71lbs (16.2kg)	40.12lbs (18.2kg)
Signal Processing	FIR filters, audio limiters, output and array** delay, 10-band** user PEQ, 5-band array PEQ** per channel, load impedance			
'Mains Fuse	240 V/230 V= T10AH; 120 V/100 V= T20AH			
Remote control	SONICUE sound system software (requires firmware 2.0)			
Total Harmonic Distortion	< 0.05% ()			
Operating Temperature Range	+5°C to +40°C (40°F to +105°F)			