

Professional Power Amplifier

L800/L1400/L1800/ L2400/L3000



PROFESSIONAL POWER AMPLIFIER



Overview

The L-Series Power Amplifiers deliver high-efficiency and powerful sonic performance for audio professionals. All models feature popular connectors for inputs and outputs: balanced inputs (combination 1/4" TRS and XLR); and locking speaker connectors and 5-way binding posts on the outputs. This combination of advanced design and extensive protection circuitry offers you reliability, stability, and exceptional performance for the most exacting sound reinforcement applications.

FEATURES

COMPACT MODERN DESIGN

Compact size (2U-Rack Height) with up to 2400W per channel @ 2ohms – these amps save valuable rack space without compromising power output.

HIGH CURRENT TOROIDAL TRANSFORMER

A high-current toroidal transformer saves rack space and minimizes hum and noise.

EXCELLENT SOUND QUALITY

The low T.H.D.(0.05%) and high damping factor (400 or higher) gives excellent sound quality.

2 STAGE POWER SUPPLY

The high-power units (L1800 and L2400) have a 2-Stage Class-H design that maximizes their performance.

EQUIPPED WITH 30Hz or 50Hz HPF

All amplifiers are equipped with high-pass filters on each channel to help maintain sound quality, yet help protect the loudspeakers.

EXTENSIVE PROTECTION CIRCUITS

Extensive protection circuits monitor over voltage/current conditions, overheating, output shorts, and DC voltage to improve performance and reliability.

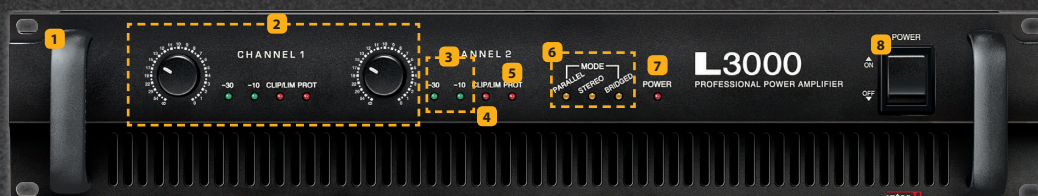
CLIP-LIMITER CIRCUITS

Clip-limiters on each channel are provided to help prevent distortion due to excessive signal levels.

L.E.D FUNCTION DISPLAYS

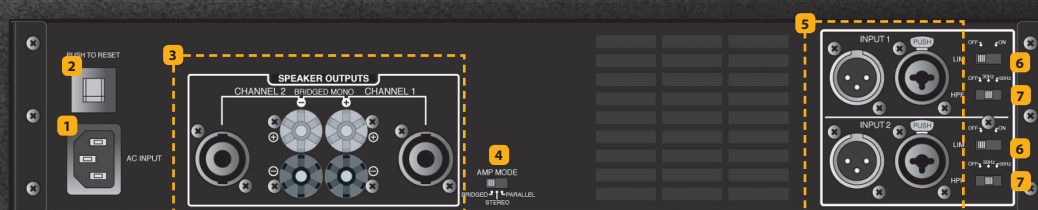
Power, Clip limiter, Signal, Protection, Mode (Parallel/Stereo/Bridged) LEDs on the front panel indicate the status of the unit in operation.

Front Panel

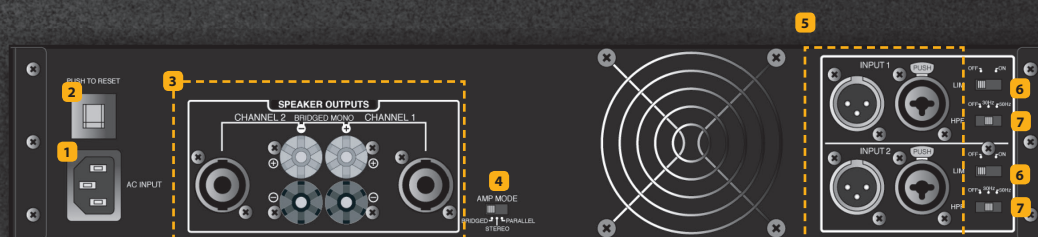


- 1 HANDLES
- 2 LEVEL CONTROL
- 3 LEVEL INDICATOR
- 4 CLIP LIMITER INDICATOR
- 5 PROTECTION INDICATOR
- 6 MODE INDICATOR
- 7 POWER INDICATOR
- 8 POWER SWITCH

Rear Panel



L800/L1400/L1800/L2400



L3000

- 1 AC INPUT
- 2 CIRCUIT BREAKER
- 3 OUTPUT CONNECTORS
- 4 MODE SELECTOR SWITCH
- 5 BALANCED INPUT CONNECTORS
- 6 CLIP LIMITER SWITCH
- 7 HIGH PASS FILTER SWITCH

Specifications

		L800	L1400	L1800	L2400	L3000
Power Output Level						
STEREO 1kHz both channels driven	RL=8Ω @ 0.1% THD	200W	280W	360W	500W	650W
	RL=4Ω @ 0.1% THD	300W	450W	600W	750W	1000W
	RL=2Ω @ 0.5% THD	430W	700W	900W	1200W	1500W
BRIDGED	RL=8Ω 1kHz @ 0.1% THD	600W	900W	1200W	1500W	2000W
	RL=4Ω 1kHz @ 0.5% THD	800W	1400W	1800W	2400W	3000W
Frequency Response RL=8Ω, P=1W		20Hz~20kHz: ±0/1dB, 5Hz~70kHz: -3dB				
Total Harmonic Distortion f=20Hz~20kHz, Half Power(L800/1400) 1/10Power(L1800/2400/3000) STEREO RL=8Ω & 4Ω BRIDGED RL=8Ω	STEREO RL=8Ω & 4Ω	≤0.03%				
	f=20Hz~20kHz, Half Power(L800/1400)	≤0.03%				
1/10Power(L1800/2400/3000)		≥80dB				
STEREO RL=8Ω & 4Ω		≥100dB				
BRIDGED RL=8Ω		≥400				
Input Impedance (ATT max.)		≥20kΩ (Balance/Unbalance)				
Operating Temperature		-10°C ~ +40°C				
Power Source		100-120VAC or 220-240VAC; 50/60Hz (Supplied AC mains transformer depends on country requirements)				
Power Consumption(1/8 POWER)		3A	3.5A	4A	4.5A	5A
Weight		14kg/30.8lb	14.4kg/31.7lb	15kg/33lb	15.6kg/34.6lb	19.5kg/39.5lb
Connectors		Inputs: balanced combination connector(XLR type+1/4" TRS) Outputs: 5-Way binding posts × 2, Speakon Terminal × 2				
Dimensions (W x H x D)		482 x 88 x 369mm / 19 x 3.5 x 14.5in				

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※ Design and specification are subject to be changed for the improvement of product quality without pre notice.

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