

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.

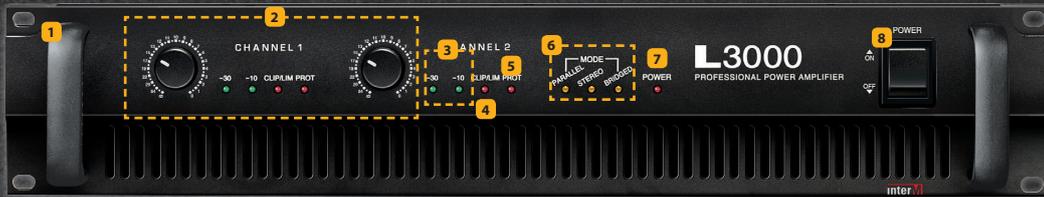
### CLIP-LIMITER CIRCUITS

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

### L.E.D FUNCTION DISPLAYS

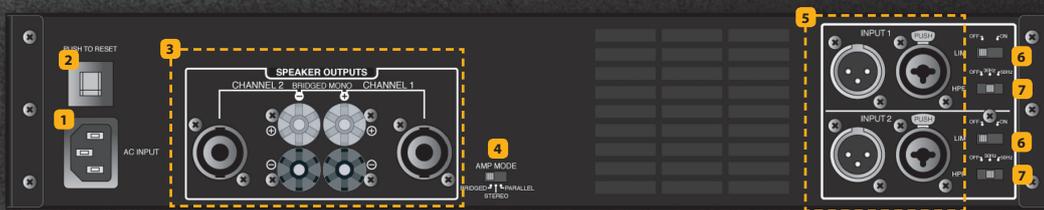
Power, Clip limiter, Signal, Protection, Mode (Parallel/Stereo/Bridged) LEDs on the front panel indicate the status of the unit in operation.

# 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.

2015. 6. V1

