

1200W Power Amplifiers



BostonAudio EX-2400

Application

The EX2400 professional power amplifier is designed to achieve unsurpassed sonic performance and long-term reliability—even when operating under extreme stress—in touring or fixed installation applications.

Designed with touring sound professionals in mind, the EX Series power amplifiers faithfully produce high power with low distortion in an extremely lightweight economical package.

Rock stable in stereo or bridged mode operation this series is engineered to exceed expectations, when powering multiple or single loudspeaker enclosures down to a 2 ohm load.

The EX Series offer the protection that ensures safe & trouble free shows night after night.

Other EX Series Power Amplifiers

4Ω Stereo	EX800	EX1200	EX2400	EX3600	EX4800
1kHz, .01% THD+N	300 W	450 W	600 W	750 W	1050 W
20Hz-20kHz, 0.1% THD+N	200 W	300 W	400 W	500 W	700 W

SPECIFICATIONS

1kHz, 0.01% THD / 20Hz-20kHz, 0.1% THD+N	
8Ω Stereo Power	400W x 2
4Ω Stereo Power	600W x 2
2Ω Stereo Power	800W x 2
8Ω Bridged Mono Power	1200W
4Ω Bridged Mono Power	1600W
Max RMS Output Voltage (each channel)	90V
Peak Output Voltage (each channel)	126V
Frequency Response (+0 / -0.3dB, 1W/8Ω)	20Hz-20kHz, -3dB@135kHz
Power Bandwidth (rated power at 4Ω)	20Hz-20kHz, -.23dB/+ .85dB
TourClass® Protection	ACL, AutoRamp, short circuit, DC voltage, turn-on/off transient, sub/ultrasonic input.
THD+N (rated power at 4Ω, 1kHz)	<0.01%
SMPTE IMD (rated power at 8Ω)	<0.01%
Damping Factor (10-400Hz at 8Ω)	800:1
Input CMRR (1kHz)	> -60dB
Input Sensitivity (rated power at 8Ω)	0.775V standard (see table below)
Voltage Gain	X97.5 standard (see table below)
Input Impedance (balanced/unbalanced)	>20kΩ/>10kΩ
Hum and Noise (full power, 4Ω)	-105dB
Crosstalk ("A" weighted, full power, 4Ω)	> -60dB
Class	H
Input Connectors (per channel)	Female XLR
Output Connectors (per channel)	Speakon connectors
Filter Storage	140,000 μF
Power Supply (factory configured)	100V-240V, 50-60Hz
Idle Current Draw 120V	2.8A
Power Curr. Draw (typical music, 120V/4Ω)	10.5A
1/3 Power Curr (continuous music, 120V/4Ω)	23.0A
Max Curr (circuit breaker rating, 120V/4Ω)	30A
Thermal Emissions (1/8 Power, 4Ω)	4750 BTU/hr
Thermal Emissions (1/3 Power, 4Ω)	6300 BTU/hr
Cooling	Back-to-front via 2 rear panel mounted variable-speed DC fans
Controls	Front Panel: 2 attenuators Rear Panel: signal ground lift switch
LED Indicators (per channel)	Clip/Limit, Signal, Temp/DC, Active
Construction	Steel chassis, 16 gauge.
Dimensions	585 x 560 x 195mm
Gross Weight	25.30 kg