

PS404D Audio Amplifier

PowerShare PS404D Adaptable Power Amplifier



Detailed

Model	PS404D
AMPLIFICATION	
Channel Separation (Crosstalk)	> 85 dB at 1 kHz, > 65 dB at 20 kHz
Gain, High-Impedance	35 dB, 70V mode / 38 dB, 100V mode
Maximum Peak Power, Symmetrical	200W
Rated Power, Asymmetrical	400W
Frequency Response	20 Hz - 20 kHz (± 0.5 dB) at 1 W
Rated Power, Symmetrical	100 W
Dynamic Range	100 dB at rated power, A-weighted
Gain, Low-Impedance	30.2 dB
Maximum Peak Power, Asymmetrical	800W
SNR	100 dB (at rated power, A-weighted)
Number of Channels	4
THD+N	< 0.04% at 1 kHz, 4-8 Ω , 70V/100V
AUDIO INPUTS, ANALOG	
Input Channels	4 balanced, line

Input Impedance	20 k Ω
Sensitivity	4 dBu low, 12 dBu high
Connectors	(1) 12-pin Euroblock
Maximum Input Level	20 dBu at 12 dBu sensitivity
AUDIO INPUTS/OUTPUTS, DIGITAL	
Channels	4 Dante In
Type	12-pin Euroblock
Connectors	(2) RJ-45 Dante in/thru
AUDIO OUTPUTS, ANALOG	
Channels	4
Connectors	(1) 8-pin inverted Euroblock
COMPLIANCE	
EMC	This product meets all EN55103-2 immunity requirements for E2 electromagnetic environment.
ELECTRICAL	
Current Draw, Idle	0.1 A at 120 VAC, 60 Hz / 0.06 A at 230 VAC, 50 Hz
Mains Connector	IEC C14 inlet
Protections	High temperature, output short circuit, extra high frequency, excessively low/high AC line voltage
Current Draw, Inrush	8.0 A at 120 VAC, 60 Hz / 14.1 A at 230 VAC, 50 Hz
Mains Voltage	100-240 VAC ($\pm 10\%$), 50/60 Hz
AC Power Consumption	14 W standby, 500 W maximum
GENERAL	
Software Applications	ControlSpace Designer 5.4 or later (Windows)
Computer Interface Connection	RJ-45 (Ethernet, 100 Mbps)
INDICATORS AND CONTROLS	
Controls, Front Panel	(1) power button
LED Status Indicators	(1) power/status LED, (4) input signal LEDs, (4) output limit LEDs
Controls, Rear Panel	Output attenuators, mute contact
INTEGRATED DSP	
Delay	50 ms, Outputs 3-4 only
Crossover Types	Butterworth, Bessel, or Linkwitz-Riley, up to 48 dB/octave
Audio Latency	< 1 ms, analog input to analog output
Limiters	Peak voltage, RMS voltage
Processing Functions	Input EQ, loudspeaker EQ, peak voltage limiter, RMS voltage limiter, delay, band-pass, matrix mixer, mute/output polarity inversion
Equalization	Input EQ: 9-band parametric EQ (± 18 dB), notch, shelving, high-pass, low-pass / band-pass crossover / loudspeaker EQ: 9-band parametric EQ (± 18 dB), notch, shelving

A/D and D/A Converters	48 kHz / 24-bit
DSP-Enabled	Yes
Presets	Bose Professional loudspeaker presets
PHYSICAL	
Color	Black
Suspension/Mounting	Rack-Mounting
Cooling System	Microprocessor controlled, variable speed fans, left to right air flow
Product Dimensions (H×W×D)	1.7 in × 19.0 in × 16.3 in (44 mm × 483 mm × 414 mm)
Net Weight	14.1 lb (6.4 kg)
Shipping Weight	17.2 lb (7.8 kg)