#### TECHNICAL DATA

# **PowerSpace P4300A** versatile power amplifier





### **Product Description**

Ideal for zone-expansion applications, Bose PowerSpace amplifiers enhance any premium commercial sound installation with clean, reliable power — and digital connectivity. A Bose AmpLink input allows for multiple channels of uncompressed, low-latency digital audio from Bose DSPs via a single Cat 5 cable. The PowerSpace P4300A provides 300 watts per channel and features versatile outputs that give you the flexibility to deliver full channel power to either low- or high-impedance loads — without bridging — and even send double power to a single zone. For premium commercial applications, Bose PowerSpace amplifiers provide the power and performance to get the job done — pure and simple.

# Applications

Retail stores Restaurants and bars Hospitality venues Conference centers Schools Auxiliary zones

#### **Key Features**

**300 watts per channel** and works seamlessly with Bose loudspeakers, DSPs, and controls to create complete commercial sound systems

**Bose AmpLink input** for simplified multichannel digital audio connection to compatible DSPs, reducing terminations and related points of failure

**Load-independent outputs** deliver full channel power to either low-impedance loads (4-8  $\Omega$ ) or high-impedance (70/100V) loads without bridging

**I-Share outputs** delivers 2x power level into low-impedance (2-4  $\Omega$ ) or high-impedance (70/100V) loads by combining the current of both channels

Auto-standby mode saves power when audio signal falls below a set threshold after 20 minutes, then wakes when audio returns

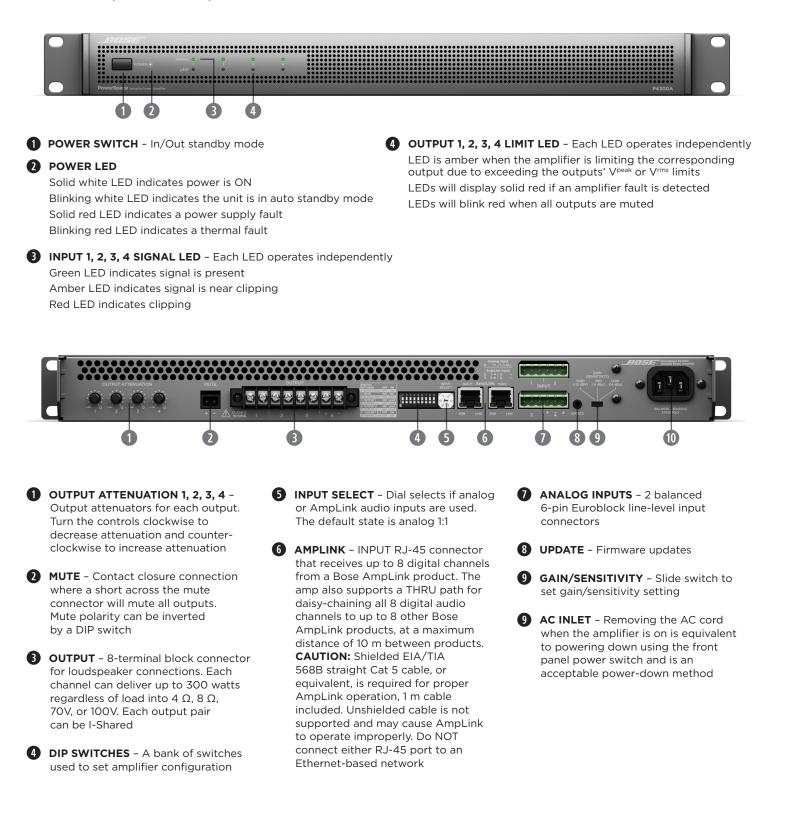
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## **Technical Specifications**

POWER RATING		
Amplifier Power	4x 300 W (THD+N < 0.04%, 1 kHz, 4-8 Ω, 70/100V)	
I-Share Mode Power	2x 600 W (2-4 Ω, 70/100V) (Each channel pair can be I-Shared)	
Gain (Low-Z mode)	32 dB	
Gain (70V mode)	35 dB	
Gain (100V mode)	38 dB	
AUDIO PERFORMANCE		
Frequency Response	4-8 Ω: 20 Hz - 20 kHz (+/- 1 dB @ 1 W); 70/100V: Same as 4-8 Ω with 50 Hz high-pass filter	
Channel Separation (Crosstalk)	> 80 dB @ 1 kHz, > 65 dB @ 20 kHz	
Dynamic Range	≥ 100 dBA (at rated power)	
Audio Latency	< 1 ms (any analog or AmpLink input to loudspeaker output)	
AUDIO INPUTS	ANALOG	AMPLINK
Input Channels	4 balanced	8 digital
Connectors	2x 6-pin Euroblock	RJ-45 (Input)
Input Impedance	10 kΩ	
Maximum Input Level	22 dBu (at 14 dBu sensitivity setting)	
Sensitivity	-10 dBV / 4dBu / 14 dBu	
AUDIO OUTPUTS	SPEAKER	AMPLINK
Outputs	4	8 digital
Connectors	8-terminal block	RJ-45 (Thru)
INDICATORS AND CONTROLS		
Power LED	Solid white: Power is on. Blinking white: Unit is in auto standby mode. Solid red: Power supply fault. Blinking Red: Thermal fault.	
Input Signal LED	Green: Signal present. Amber: Input is near clipping. Red: Input is clipping.	
Output Limit LED	Amber: Amplifier limiting an output. Blinking red: Amplifier muted. Solid red: Amplifier or thermal fault.	
Controls, Front Panel	Power On/Off	
Controls, Rear Panel	Amplifier mode DIP switches, input sensitivity switch, input select dial, mute, output attenuators	
ELECTRICAL		
Mains Voltage	100 VAC - 240 VAC (±10%, 50/60 Hz)	
AC Power Consumption	120 VAC: 25 W (Auto standby), 570 W (Max)	230 VAC: 25 W (Auto standby), 570 W (Max)
Mains Connector	Standard IEC (C14)	
Protections	V <sup>peak</sup> /V <sup>rms</sup> limiters, high temperature, output short, extra high frequency (EHF), excessively low or high AC line voltage	
PHYSICAL		
Operational Temperature Range	0 °C to 40 °C	
Storage Temperature Range	-40 °C to 70 °C	
Dimensions (H × W × D)	44 × 483 × 420 mm (1.7 × 19.0 × 16.5 in)	
Net Weight	6.6 kg (14.6 lb)	
Shipping Weight	8.6 kg (19.0 lb)	
Cooling System	Microprocessor-controlled variable-speed fans, front-to-back air flow	

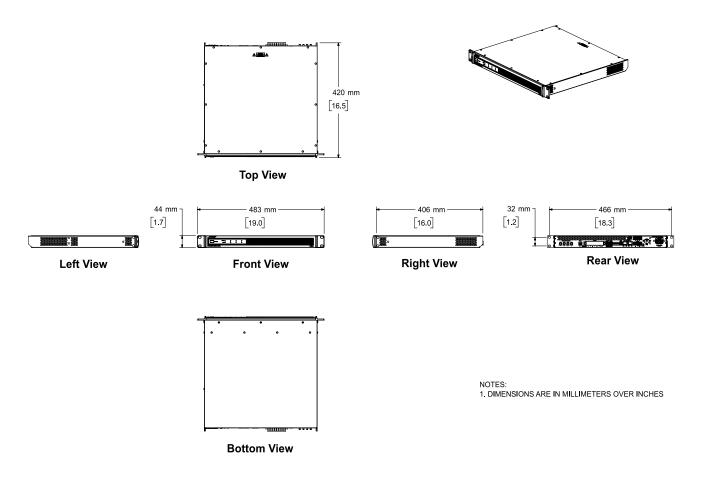
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### **Mechanical Diagrams**



For additional specifications and application information, please visit PRO.BOSE.COM. Specifications subject to change without notice. 03/2020

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