

Introducing PowerShareX adaptable four-channel power amplifiers

BOSE

PROFESSIONAL



PSX1204D | PSX2404D | PSX4804D

PUT EVERY WATT TO WORK

PowerShareX adaptable amplifiers are an ideal match for Bose Professional sound systems. Onboard DSP gives you instant access to optimized loudspeaker presets. ControlSpace Designer software allows for quick configuration. And proven Powersoft technology ensures you put every watt to work.

Choose from three models: PSX1204D, PSX2404D, and PSX4804D. Each networkable, four-channel amp offers innovative power-sharing flexibility, peak power capability, Dante connectivity, and much more — all in a space-saving 1RU design.

And easy integration with Bose Professional DSPs, loudspeakers, and the entire ControlSpace ecosystem makes design, configuration, installation, and operation much simpler — so you can get the job done and move on to the next.

APPLICATIONS

Designed for commercial installations
Houses of worship
Performing arts
Corporate
Hotels
Retail / Restaurants
Education

Optimized for Bose Professional installed sound systems, allowing for streamlined installation via onboard DSP and seamless integration with ControlSpace Designer software

Proven Powersoft technology with high-power, four-channel, compact 1RU design; build systems with fewer amplifiers and rack spaces, reducing overall cost and installation time

Power-sharing technology; dynamically allocate power evenly or asymmetrically across outputs without bridging channels or losing channel count when powering Bose Professional loudspeakers

Choose from three models: PSX1204D (4-channel, 1200 watts), PSX2404D (4-channel, 2400 watts), and PSX4804D (4-channel, 4800 watts)

Bose Professional loudspeaker presets, factory-tested to optimize performance, allow for quick configuration, and provide long-term reliability

ControlSpace Designer software allows for visibility of the entire Bose Professional system from a single UI for easy design, configuration, control, and monitoring

Flexible outputs capable of handling either low-impedance (2, 4, 8Ω) or high-impedance (70, 100V) loudspeaker loads

Built-in Dante audio supports up to 4 digital input channels from a Dante network; and 4 analog inputs provide line-level source connections

GPIO connections provide remote level, on/off, and alarm triggers

Network monitoring provides real-time system performance data, minimizing downtime, guesswork, and unnecessary service calls

Universal switch mode power supply with power factor correction

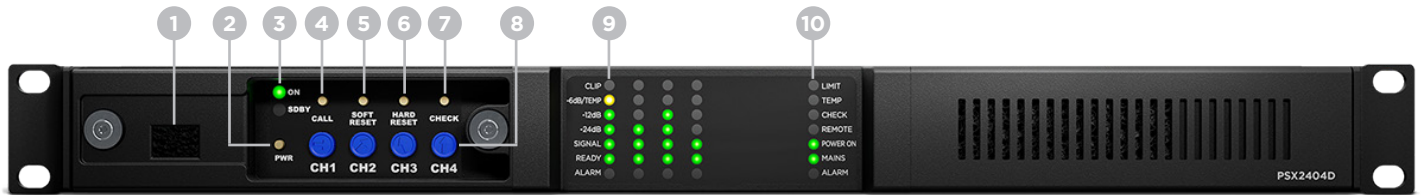
PowerShareX Series

adaptable four-channel power amplifiers

PSX1204D | PSX2404D | PSX4804D

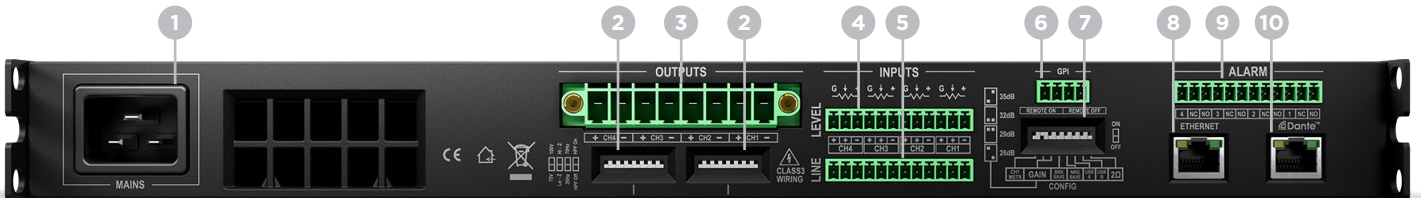
CHANNEL THE POWER WHERE YOU NEED IT

The PowerShareX amplifiers feature power-sharing technology — a central power reservoir that allows the distribution of power evenly or asymmetrically among each output. Effortlessly adjust the power allocation based on the load requirements, eliminating the need for bridging. Moreover, when powering Bose Professional loudspeakers, you won't experience any reduction in channel count, granting flexibility to adapt to on-site system changes with ease. In case a zone needs expansion by adding more loudspeakers to the original design, the PowerShareX amplifiers offer a seamless solution. Simply redistribute the power as needed and effortlessly accommodate the modifications.



(Front panel shown with magnetic faceplate removed.)

1. **Service port:** For service only.
2. **Power button:** To switch amplifier between powered-on and standby mode, press and hold for 3 seconds.
3. **Operating mode LEDs (ON, SDBY):** Indicate whether the amplifier is powered on or in standby mode.
4. **CALL button:** Reserved for future use.
5. **SOFT RESET button:** To reset network parameters to DHCP, press and hold for 3 seconds.
6. **HARD RESET button:** To restart amplifier without affecting settings or loudspeakers EQs/presets, press and hold for 3 seconds.
7. **CHECK button:** To start the self-check procedure, press and hold for 3 seconds. The procedure tests the amplifier status and reports status via channel status and system status LEDs.
8. **Channel attenuation controls (CH1-4):** Attenuation controls for the output level of each channel.
9. **Channel status LEDs:** Indicate level as meters for Channels 1, 2, 3, and 4.
10. **System status LEDs:** Indicate system status.



1. **Power input:** Power cord connection.
2. **Channel output DIP switches:** Set any configuration of low- and high-impedance output loads for each channel.
3. **Outputs:** 8-pin connector for loudspeaker connections.
4. **Remote level inputs:** Remotely adjust channel level via a linear 10 kΩ potentiometer per channel, in series with the channel attenuation controls.
5. **Analog line inputs:** 12-pin connector for balanced analog line-level audio signals.
6. **GPI/remote inputs:** 4-pin connector for remote on-off control, depending on the power/standby state of the amplifier.
7. **System configuration DIP switches:** Set the overall system output and performance.
8. **Ethernet port:** RJ-45 connector for control via Ethernet connection to a computer using ControlSpace Designer software and not applicable for Dante redundancy.
9. **GPO/alarm outputs:** 12-pin connector for general-purpose output from each channel to indicate a fault, unsafe operating condition, or any fault preventing normal output channel operation.
10. **Dante® port:** RJ-45 connector for 4 Dante audio input streams from a computer using Dante Controller software.

SEAMLESS INTEGRATION



ControlSpace Designer software gives you the tools necessary to configure the audio signal processing and network operation of Bose Professional ControlSpace ESP / EX processors, PowerMatch and PowerShare amplifiers, and ControlCenter controllers. With a complete library of signal-processing functions and Bose Professional loudspeaker presets, ControlSpace Designer supports open DSP architecture giving you the power to create fully customized signal-processing designs.