



The PXM series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing SAE high-efficiency Class D and Class I™ power modules, the PXM amplifiers provide an unprecedented acoustic fidelity on the high-power sound amplifiers range.

## Features

- High efficiency Class D and Class I™ power modules.
- Power Factor Correction technology (PXM5, PXM7, PXM10)
- Premium toroidal transformer power supply (PXM15, PXM20).
- Highly sensitive CMRR balanced inputs for improved noise rejection.
- Maximum stability even at continuous full-power on 2Ω loads.
- XLR input and signal link connectors.
- SpeakON NL4 and binding post output connectors.
- Input sensitivity selector on the back panel (32dB / 1v / 0.775v).
- Routing mode selector on the back panel (stereo / bridge-parallel).
- Channel independent temperature, protection and clip warning indicators on the front panel.
- Channel independent power and -5dB / -10dB / -20dB / signal presence indicators on the front panel.

## Technology

### Class I™

SAE Audio patented Class I™ is the most advanced technology on high power audio amplification. The output signal amplified through a Class I™ power module accurately tracks the input signal waveform, achieving a much greater efficiency and sonic quality than on other standard amplifier classes. Class I™ amplification is capable to deliver extremely high power density with an unprecedented audio fidelity.

### HS-CMRR balanced inputs

The best signal quality at an amplifier output can only be achieved with the best signal quality at its input. With the PXM series is not a problem to have long signal input cables along with power lines or other induced noise sources. The balanced signal inputs on the PXM amplifiers implement a High Sensitivity CMRR (Common Mode Rejection Ratio) design in order to reject even the slightest added distortion on the signal, thus assuring the best possible audio signal at the input.

## Applications

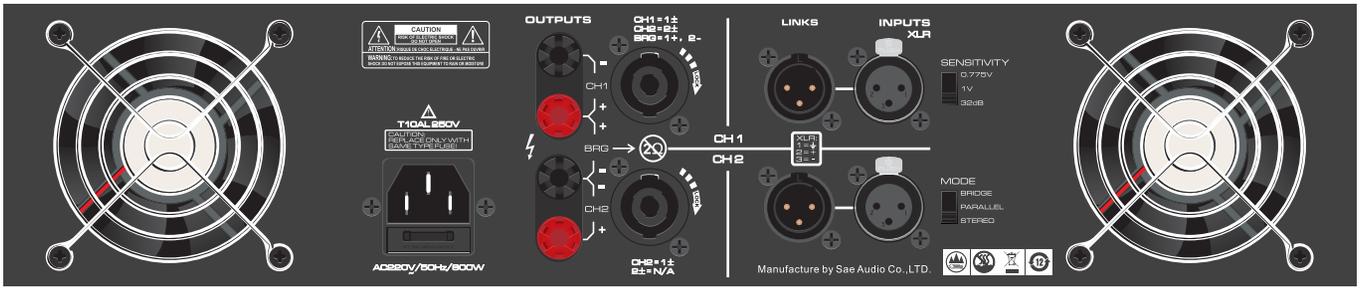
- Mid to big sized installation applications.
- Cinema / convention center / lounge installations.
- Affordable system for installations with high sonic quality requirements.

### Class D

SAE Audio Class D technology implements the most advanced electronics within the smallest form-factor amplifier modules. The Class D amplifiers by SAE Audio implement the most efficient sound amplification technology available today, providing an unmatched system portability and affordability with the best sonic performance.

### Power Factor Corrector

SAE Audio innovative Power Factor Correction (PFC) technology along with its renowned R-SMPS power supply allows to drawn current from the mains in a more efficient way translating to a higher output power with a lower power consumption. Additionally PFC improves audio quality; it generates lower harmonics of the mains frequency thus reducing the hum and induced distortion because of perturbed mains.



PXM5 rear panel

## Specifications

Model	PXM5	PXM7	PXM10	PXM15***	PXM20***
<b>Output power</b> (AC 220v / 50Hz. ±10%, All channels driven output power, THD=1%)					
8Ω Stereo*	500W x2	700W x2	1000W x2	1500W x2	2000W x2
4Ω Stereo**	850W x2	1250W x2	1750W x2	2500W x2	3600W x2
2Ω Stereo**	1250W x2	1600W x2	2250W x2	3300W x2	5200W x2
8Ω Bridge**	1700W	2500W	3500W	5000W	7200W
4Ω Bridge**	2500W	3200W	4500W	6000W	8200W
<b>Other specification</b>					
Frequency response	20Hz - 20kHz , +/-0.5dB				
THD+N	≤ 0.1%	≤ 0.1%	≤ 0.1%	≤ 0.05%	≤ 0.05%
S/N rate	≥ 100dB	≥ 100dB	≥ 100dB	≥ 95dB	≥ 95dB
Damping factor	≥ 500	≥ 500	≥ 500	≥ 280	≥ 280
Input sensitivity	0.775v / 1v / 32dB				
Input impedance (bal/unbal)	20kΩ / 10kΩ				
Voltage gain	38.2dB	39.7dB	41.2dB	43dB	44.2dB
Cooling	Air flow from front to rear				
<b>Dimension / Weight</b>					
Product dimensions (mm)	483 x 302.5 x 89			483 x 501.5 x 133	

\*Power tested under EIA standard. \*\*Power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD. \*\*\*No PFC

SAE reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.