

PA 4.5

Professional Stereo Power Amplifier



Overview

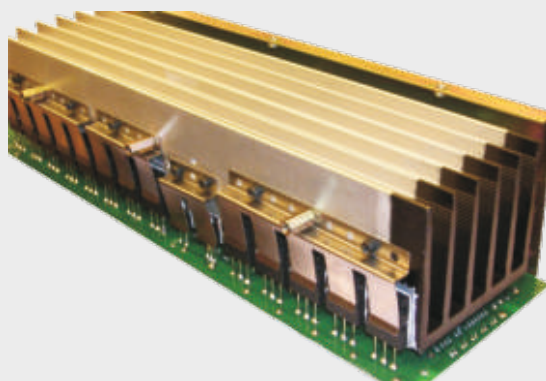
The PA series is our flagship range of high-power amplifiers built to have outstanding sound quality, excellent power efficiency, and guaranteed operational reliability. The amplifiers deploy two types of power supplies. The Switch Mode Power Supply allows effortless operation on voltages as low as 130V while the Linear Power Supply delivers a punch-packed performance. With a legacy spanning over two decades, the Stu Professional PA series is among the most popular power amplifiers in India!

Key Features

- High-current toroidal transformers with high-endurance cores for greater transient response and low-noise even at 2Ω.



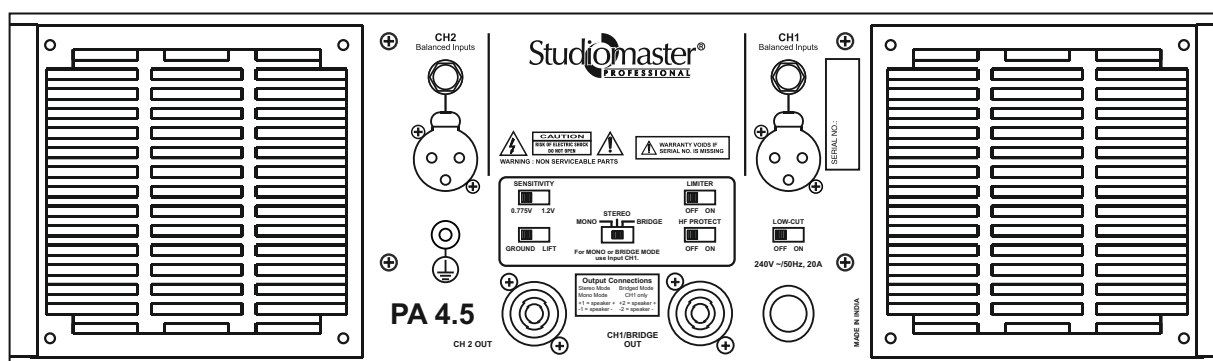
- Intelligent cooling using low-noise variable speed fans and direct-mounted heatsinks for optimal heat dissipation.



- Multiple protection and operational features along with numerous input and output options make the amplifiers extremely flexible for a wide range of applications.



All Features



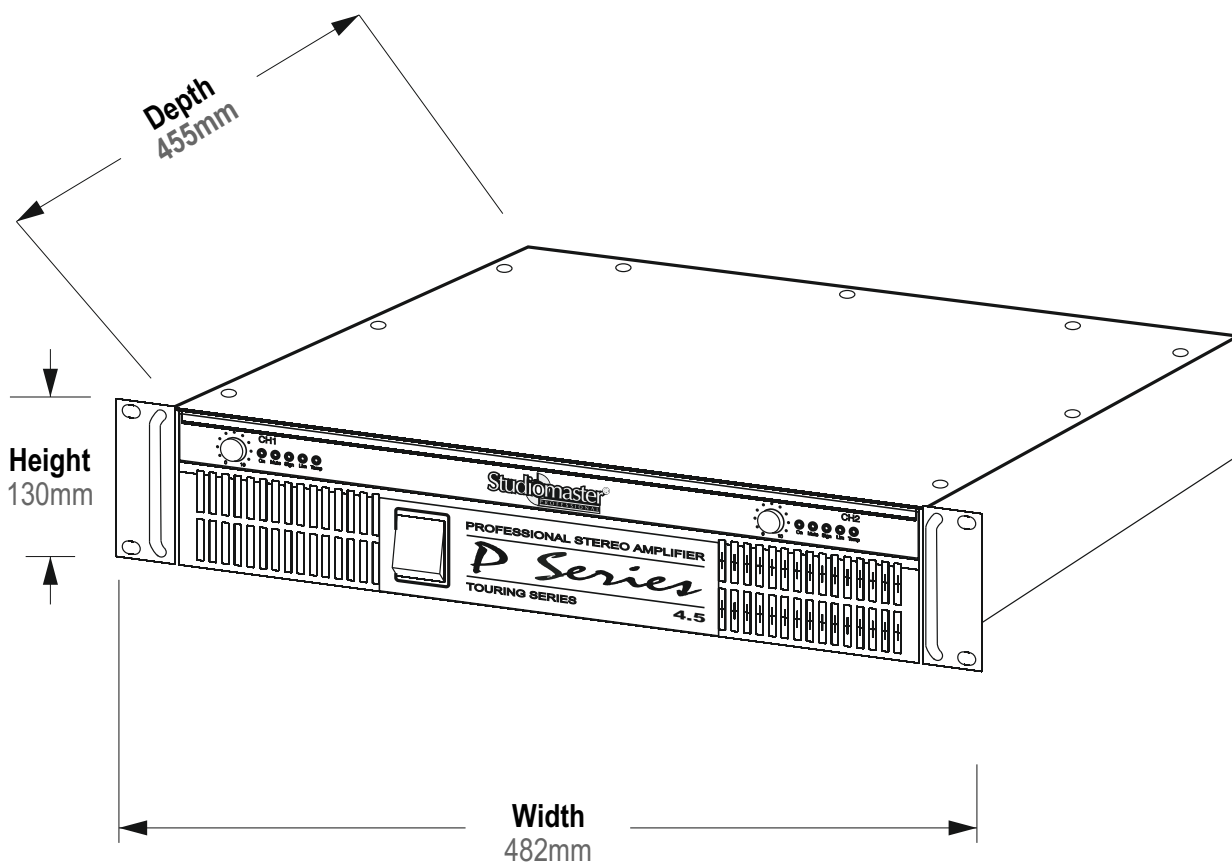
- Professional-grade high-power stereo amplifier.
- High-current toroidal transformers with high-endurance cores for greater transient response and low-noise even at 2Ω.
- High-quality glass epoxy, double-sided PTH PCBs, and high-grade components ensure reliability even in tough ambient environs.
- Intelligent cooling using low-noise variable speed fans and direct-mounted heatsinks for optimal heat dissipation.
- Sensitivity selectable between 0dB or +4dB for flexibility in connection of input sources.
- Low THD and high damping factor for excellent sound quality.
- Switchable low-cut for protection and a tight low-end performance.
- The limiter switch provided protects the speakers from damage due to distorted input signals.
- 41-detent rotary volume control knobs.
- 3 switchable operational modes: stereo, mono, and bridge.
- Audio-grade balanced XLR and 1/4" stereo jack input connectors.
- High-performance Speakon output connectors.
- On, mute, signal, limiter, and temperature LED indicators assists in monitoring performance.
- Rated for stable 2Ω operation.

Technical Specifications

Parameter	Specifications
Stereo Mode Power Output	
2 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 2250 W
2 Ω (EIA), 1kHz, 1%THD	2 x 3900 W
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 1600 W
4 Ω (EIA), 1kHz, 1%THD	2 x 2450 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 950 W
8 Ω (EIA), 1kHz, 1% THD	2 x 1225 W
Bridged Mode Power Output	
4 Ω (True RMS), 20Hz-20kHz, 1% THD	4500 W
4 Ω (EIA), 1kHz , 1% THD	7800 W
8 Ω (True RMS), 20Hz-20kHz,1% THD	3200 W
8 Ω (EIA), 1kHz , 1% THD	4550 W
Damping Factor (8 Ω)	>400:1
Frequency Response	20Hz-20kHz (± 0.5 dB)
Protection	Temperature, DC, RFI, Short Circuit, Soft-Start, and Overload
Input Connector (Per Channel)	XLR and 1/4" TRS Jack
Output Connector (Per Channel)	Speakon
Dimensions (W x D x H) mm	482 x 455 x 130 (3U)
Net Weight (Kg)	32

Note: BIS registration is Mandatory for all amplifiers with input power above 2000W.

Dimensions



Support

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