

Studiomaster[®]

PROFESSIONAL

Feel the **PUNCH!**



Power Amplifiers are at the heart of a PA system... For several years now: the PA series amplifiers from Studiomaster Professional have been the favored choice of touring professionals all over the country. Road tested under trying Indian conditions....

A series of high-power amplifiers built to have outstanding sound quality, excellent power efficiency, a compact yet rugged body and guaranteed operational reliability. At the same time the PA series amplifiers have an exceptional economical viability!

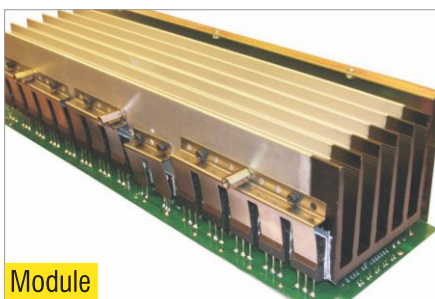
This truly rich user experience now just got richer with an upgrade that allows it to work even in the toughest usage conditions. The PA series is now hybrid; which means it can run stable even on lower supply voltages. It uses both power supplies; Switch Mode power supply to work on voltages as **Low as 130V & at the same time Linear Power Supply to give a punch packed performance. Using the best of both worlds; digital and analog technologies, that work seamlessly to allow fuller user experience even in the remotest rural market!**

All the renowned features of this series along with the new improvements, backed with the legendary backup support Studiomaster Professional products enjoy, the PA series makes good investment sense for your rental or installation business.

High endurance amp modules with large heat sinks ensures better sonic performance even in extreme stress conditions.

Highly efficient Toroidal Transformers ensures excellent transient response & low noise operation.

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



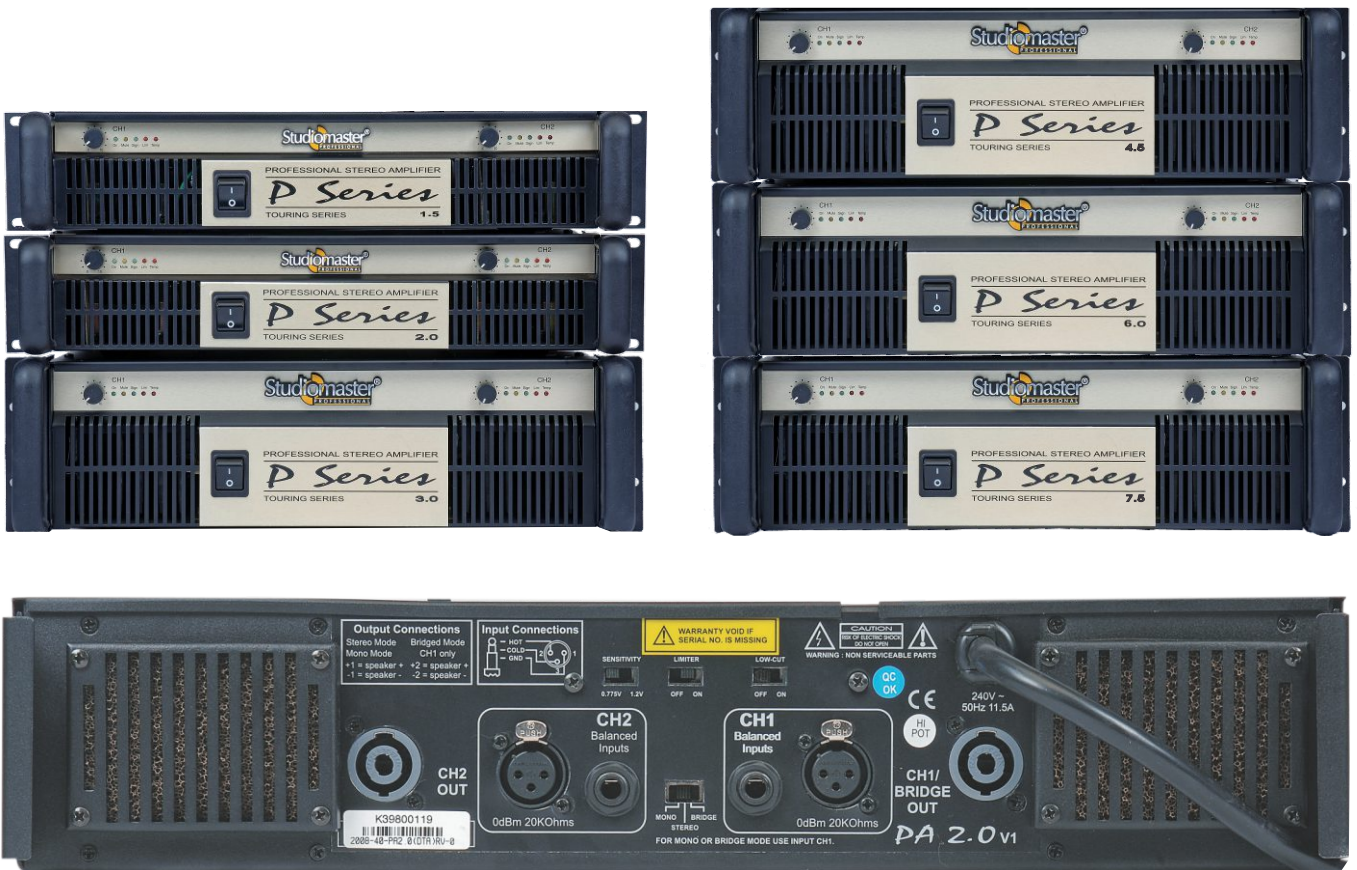
Module



Transformer



Back panel



Features:

- Professional high-power amplifiers.
- Input: Balanced XLR and 1/4" Stereo Jack.
- 3 switchable operational modes: Stereo, Mono & Bridge.
- High-current toroidal transformers with high-grade cores for greater transient response & low-noise even at 2 Ohms.
- High quality glass epoxy, double-sided PTH PCB's and high-grade components ensures reliability in even tough ambient envrons.
- Independent DC, RFI, short circuit and thermal overload protection for amplifier and speakers protection.
- Intelligent cooling using low-noise variable speed fans & direct mounted over-designed heat-sinks.
- Sensitivity (0dB or +4 dB) selection switch allows flexibility in connection of input sources.
- Switchable Low-cut switch for protection & tight-low end performance.
- Switchable Limiter Switch to protects speakers from damage due to distorted input signals.
- 41-detent rotary volume knobs.
- Mute, Signal, Clip and fault LED indicators assists you to monitor performance.
- Output: Neutrik speakon for easy yet 'trip-proof' connections.
- 19" rack mountable rugged housing.

TM

The Series is now
BIS approved...

BIS Certification

Studiomaster®
PROFESSIONAL
Self Declaration
Conforming to
IS 616 : 2010,
R-75000108

Technical specifications

Model	PA 1.5	PA 2.0	PA 3.0
Power Output			
2 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 800 W	2 x 1000 W	2 x 1500 W
2 Ω (EIA), 1kHz, 1%THD	2 x 1225 W	2 x 2250 W	2 x 2750 W
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 650 W	2 x 800 W	2 x 1100 W
4 Ω (EIA), 1kHz, 1%THD	2 x 1012 W	2 x 1380 W	2 x 1580 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 350 W	2 x 500 W	2 x 700 W
8 Ω (EIA), 1kHz, 1%THD	2 x 595 W	2 x 755 W	2 x 830 W
Bridged Mode			
4 Ω (True RMS), 20Hz-20kHz, 1% THD	1600 W	2000 W	3000 W
4 Ω (EIA), 1kHz, 1%THD	2450 W	4500 W	5500 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	1300 W	1600 W	2200 W
8 Ω (EIA), 1kHz, 1%THD	2025 W	2760 W	3160 W
Damping factor	> 200 :1 (8 Ω)	> 200 :1 (8 Ω)	> 400 :1 (8 Ω)
Frequency Response	20Hz - 20kHz (-3dB)		
Protection Devices	Temperature, DC, RFI Short Circuit, Soft-Start, Thermal Power Transformer		
Input Connector (Per CH.)	XLR, 1/4" TRS Jack		
Output Connector (Per CH.)	Speakon Connector		
Dimensions (WxDxH)mm	482 x 455 x 88 (2U)	482 x 455 x 88 (2U)	482 x 455 x 132 (3U)
Net Weight (Kgs.)	17	18	28

Model	PA 4.5	PA 6.0	PA 7.5
Power Output			
2 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 2250 W	2 x 3000 W	2 x 3750 W
2 Ω (EIA), 1kHz, 1%THD	2 x 3900 W	2 x 5625 W	2 x 6400 W
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 1600 W	2 x 2000 W	2 x 2600 W
4 Ω (EIA), 1kHz, 1%THD	2 x 2450 W	2 x 3100 W	2 x 3600 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 950 W	2 x 1300 W	2 x 1550 W
8 Ω (EIA), 1kHz, 1%THD	2 x 1225 W	2 x 1700 W	2 x 1800 W
Bridged Mode			
4 Ω (True RMS), 20Hz-20kHz, 1% THD	4500 W	6000 W	7500 W
4 Ω (EIA), 1kHz, 1%THD	7800 W	11250 W	12800 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	3200 W	4000 W	5200 W
8 Ω (EIA), 1kHz, 1%THD	4550 W	6200 W	7225 W
Damping factor	> 400 :1 (8 Ω)	> 400 :1 (8 Ω)	> 400 :1 (8 Ω)
Frequency Response	20Hz - 20kHz (-3dB)		
Protection Devices	Temperature, DC, RFI Short Circuit, Soft-Start, Thermal Power Transformer		
Input Connector (Per CH.)	XLR, 1/4" TRS Jack		
Output Connector (Per CH.)	Speakon Connector		
Dimensions (WxDxH)mm	482 x 520 x 132 (3U)	482 x 520 x 132 (3U)	482 x 570 x 132 (3U)
Net Weight (Kgs.)	32	36	40

*Design and specification are subject to change without notice

Rev01/SMPAB001/3000/Apr2014