

XPA 40

Premium Stereo Power Amplifier

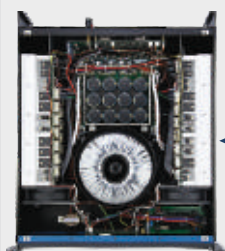


Overview

The XPA series is our range of premium high power amplifiers with Thermal Management System (TMS) - our innovative temperature-controlled gain variation technology integrated into the circuitry.

Key Features

• Introducing "TMS"

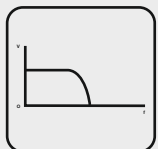


Thermal Management System (TMS) is our proprietary temperature-controlled gain variation technology integrated into the circuitry. Heat kills amplifiers and its parts. The XPA 40 temperatures are never allowed to exceed the permissible limit. The TMS technology "jumps in" to adjust amplifier parameters and keep the temperature limit-bound. Audio quality is never compromised and this keeps the amplifier running smooth and cool...

Benefits of TMS Technology

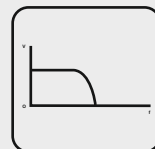
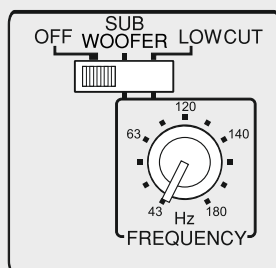
- ✓ Superior sound clarity
- ✓ No dropouts during performance
- ✓ Improved amplifier efficiency
- ✓ Longer and stable runtime
- ✓ Higher operational reliability

• Built-In Crossover



SUB WOOFER

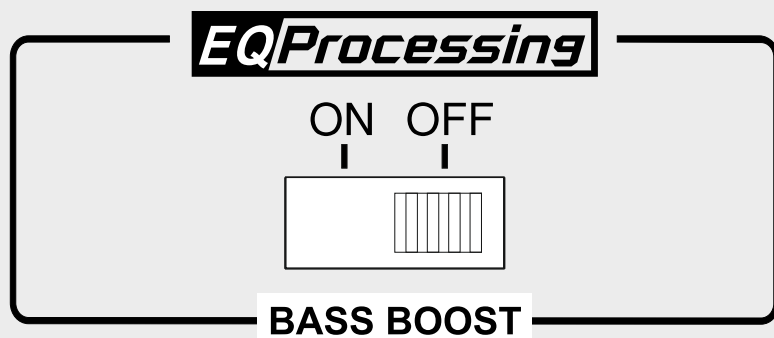
This is a low-pass filter. The amplifier reproduces frequencies that are lower than the cut-off set by the frequency adjustment knob.



LOW CUT

This is a high-pass filter. You can use this setting to filter out unneeded low or subsonic frequencies.

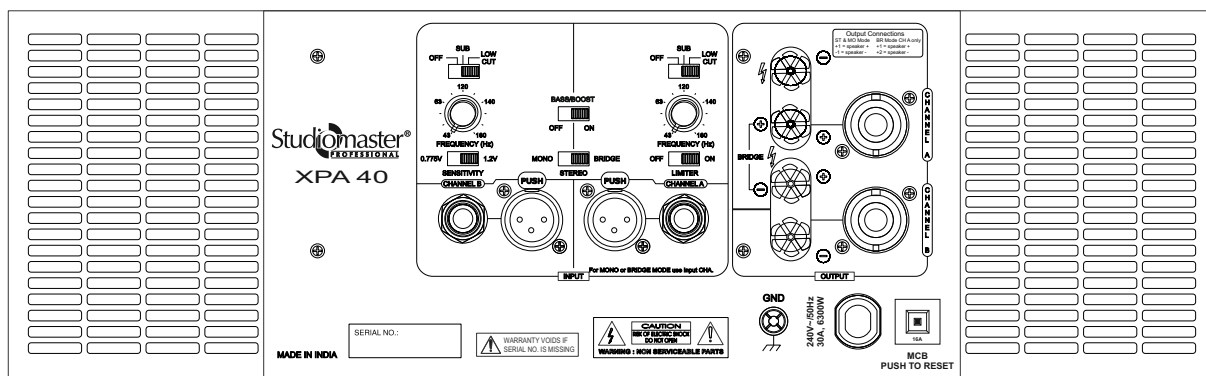
• Bass Boost Switch



When you activate this mode, the amplifier adds low-frequency compensation to enhance the speaker's bass output

Note: This switch is only effective when the FILTER switch is in the OFF position.

All Features



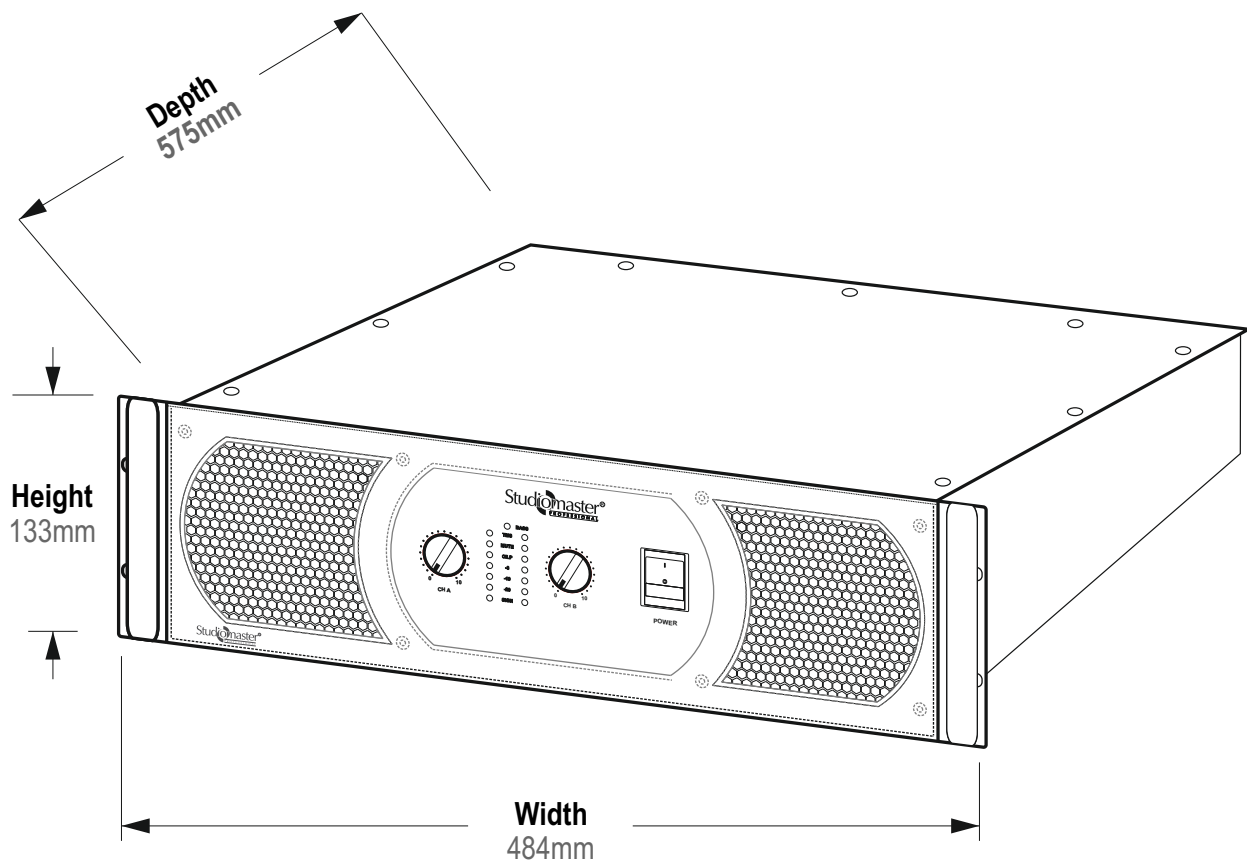
- Professional-grade high-power stereo amplifier.
- Features Thermal Management System (TMS) - innovative temperature-controlled gain variation technology.
- Ultra-functional EQ Processing, Low Cut, and Subwoofer with crossover selection options.
- High-quality balanced XLR and 1/4" stereo jack input connectors.
- 3 switchable operational modes: stereo, mono, and bridge.
- High-current toroidal transformers with high-endurance cores for greater transient response and low-noise even at 2Ω.
- Sensitivity (0.775V or 1.2V) selection switch allows flexibility in connection of input sources.
- Limiter switch provided to protect speakers from damage due to distorted input signals.
- Responsive rotary volume control knobs.
- Low THD and high damping factor for excellent sound quality.
- 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 over-designed heatsinks.

Technical Specifications

Parameter	Specifications
Stereo Mode Power Output	
2 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 2000 W
2 Ω (EIA), 1kHz, 1%THD	2 x 3000 W
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 1400 W
4 Ω (EIA), 1kHz, 1%THD	2 x 2100 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 850 W
8 Ω (EIA), 1kHz, 1% THD	2 x 1200 W
Bridged Mode Power Output	
4 Ω (True RMS), 20Hz-20kHz, 1% THD	4000 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2800 W
Damping Factor (8 Ω)	>400:1
Frequency Response	20Hz-20kHz (± 0.5 dB)
Protection	Temperature, DC, RFI, Short Circuit, Soft-Start, Overload
Input Connector (Per Channel)	XLR and 1/4" TRS Jack
Output Connector (Per Channel)	Speakon and Binding Post
Dimensions (W x D x H) mm	484 x 575 x 133 (3U)
Net Weight (Kg)	33

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

Dimensions



Support

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