

X4.6

Professional Power Amplifier

VAL audio

Die Liebe zur Musik



OVERVIEW

When it comes to selecting an amplifier that delivers outstanding power, exceptional warmth, and unparalleled versatility, the VAL Audio X Series is your ultimate solution. Engineered for both touring and fixed installations, the X4.6 exemplifies the legendary performance and reliability of the X Series, now reimaged in a sleek and modern 2U chassis.

The X4.6 is a powerhouse four-channel Class AB amplifier, featuring a robust, high-current Toroidal power supply. With an impressive output of 4 x 350W at 8Ω and 4 x 600W at 4Ω, this amplifier is designed to meet the demands of even the most rigorous applications. Its flexible configuration allows it to operate as a 4/3/2-channel amplifier, adapting effortlessly to your specific needs.

Equipped with an advanced cooling system powered by high-speed, temperature-controlled fans, the X4.6 ensures optimal performance while maintaining cool operation under any conditions. For seamless connectivity, the amplifier includes high-quality XLR inputs with a link feature, along with Speakon and binding post outputs for maximum flexibility.

When you require a no-compromise amplifier capable of running continuously while delivering class-leading performance and sound quality, look no further than the VAL Audio X Series – where innovation meets reliability.

KEY FEATURES

- Unique 4ch Power amplifier in a modern 2U compact design
- For both touring and fixed Installations
- Immense flexibility usable as a 4/3/2ch power amplifier
- Class AB, warm and sweet sounding amplifier
- Robust and strong Toroidal transformer
- High damping factor ≥ 800
- Advanced cooling system with high speed temperature controlled fans
- Professional XLR inputs with link connectors, speakon output connectors

APPLICATIONS

- **Live Performances & Touring:** Provides powerful, reliable sound for concerts, stage performances, and events.
- **Houses of Worship:** Delivers clear and consistent audio for sermons, music, and large congregations.
- **Theaters & Auditoriums:** Ensures high-fidelity sound for dramatic performances, presentations, and speeches.
- **Nightclubs & Entertainment Venues:** Offers robust audio output for vibrant, dynamic soundscapes.
- **Corporate Events & Conferencing:** Facilitates high-quality audio for presentations, meetings, and conferences.
- **Fixed Installations:** Ideal for schools, lecture halls, stadiums, and other permanent setups requiring professional-grade audio amplification.

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SPECIFICATIONS

Model	X4.6
Power (*EIA Standard)	
8Ω Output	4 x 350W
4Ω Output	4 x 600W
Bridge 8Ω Output	2 x 1200W
Output Circuit	Class AB
Frequency Response (±1dB)	20Hz – 20kHz
Input Sensitivity	1.0V
Input Impedance	Balanced 20KΩ Unbalanced 10KΩ
Crosstalk (rated power 8Ω 1kHz)	≥65dB
Signal to Noise Ratio	≥98dB
Voltage Gain	33.5dB
Damping Factor	≥800
Total Harmonic Distortion (8Ω 1/10 Po)	≤0.2%
Rack space	2U
Cooling System	4 nos temperature controlled high speed fans
Protection	Comprehensive protection circuitry – Soft-Start, Short-Circuit, Over and Under-Voltage, Over-Current, Over-Load, DC Output, Temperature
Net Weight	22.70 Kg
Size (WxDxH)	480 x 528 x 102mm