

X4.12

Professional Power Amplifier

VAL audio

Die Liebe zur Musik



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 X4.12 exemplifies the legendary performance and reliability of the X Series, now re imagined in a sleek and modern 2U chassis.

The X4.12 is a powerhouse four-channel Class H amplifier, featuring a robust, high-current Toroidal power supply. With an impressive output of 4 x 800W at 8Ω and 4 x 1250W 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 four high-speed, temperature-controlled fans, the X4.12 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**
- **Highly efficient Class H Technology**
- **Warm and Sweet sounding amplifier**
- **Robust and strong Toroidal PSU**
- **High damping factor ≥ 800**
- **Selectable input sensitivity - 0.775V/1.0V/1.44V**
- **Advanced cooling system with high speed temperature controlled fans**
- **XLR inputs with link connectors**
- **Professional XLR inputs with link connectors, speakon & binding post output connectors**

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APPLICATIONS

- **Live Performance & Touring:** Provides powerful, reliable sound for concerts, stage performances and events
- **House 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

SPECIFICATION

MODEL	X4.12
Power (*EIA Standard)	
8Ω Output	4 x 800W
4Ω Output	4 x 1250W
2Ω Output	4 x 1600W
Bridged 8Ω Output	2 x 2500W
Output Circuit	Class H
Frequency Response (±1dB)	10Hz – 30kHz
Input Sensitivity	0.775V / 1.0V / 1.44V
Input Impedance	Balanced 20KΩ Unbalanced 10KΩ
Crosstalk (rated power 8Ω 1kHz)	≥65dB
Signal to Noise Ratio	≥101dB
Damping Factor	≥800
Total Harmonic Distortion (8Ω 1/10 Po)	<0.1%
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 (Kg)	26.75
Size (mm)	483 x 490 x 98