

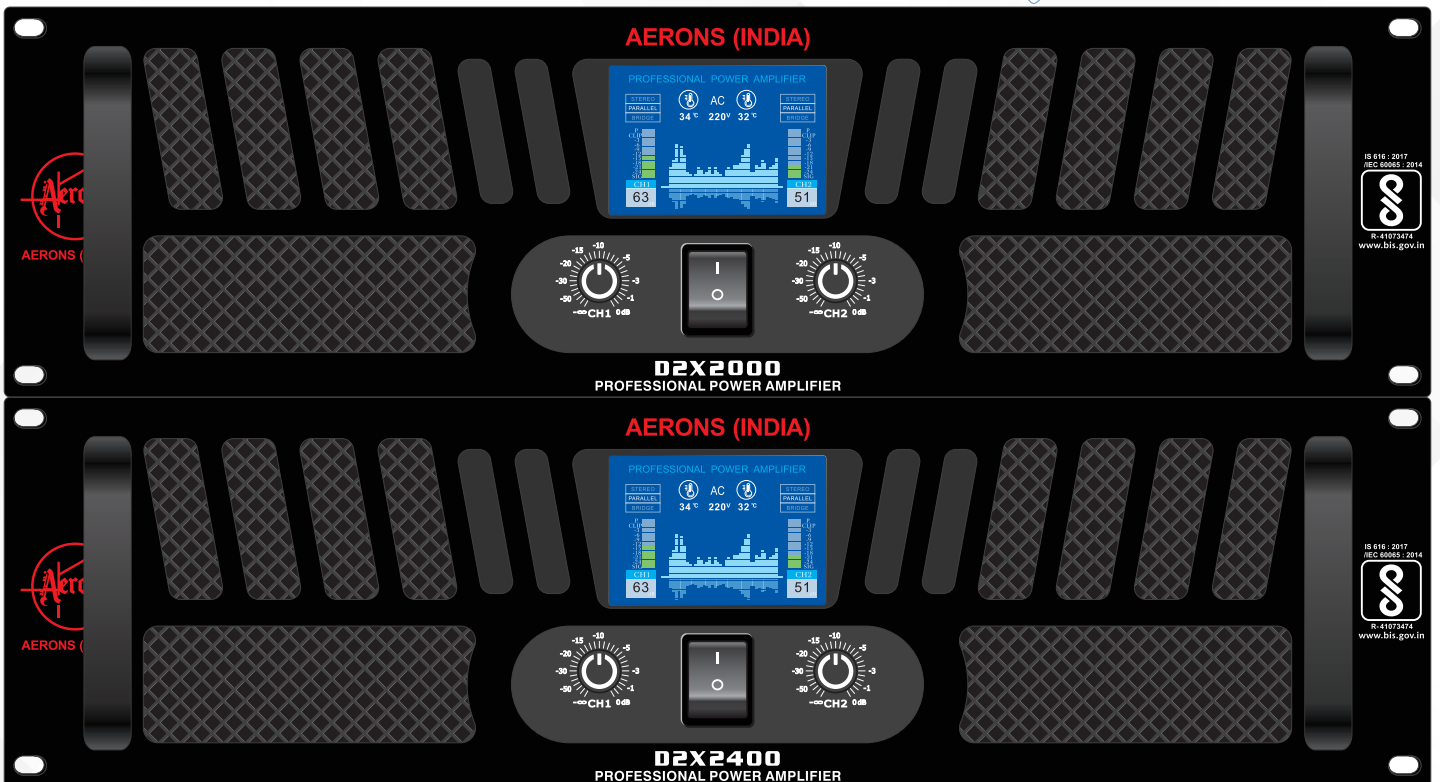


AERONS (INDIA)

D2X SERIES

Professional Power Amplifier

D2X SERIES



Pure Power, Perfect Clarity

This series of amplifiers hankers for higher speed, a bigger damping factor, more rich functions, and an advanced protection system. It is designed with an excellent cooling system, compact and stable mechanical aseismatic capabilities, SMT technology, as well as precise components. This series of amplifiers can handle stereo 2 ohm loads, bridge 4 ohm loads, and adapt to drive line array speaker systems. They can be used in live concerts, discos, nightclubs, and other high-energy environments.

www.aeronsindia.com



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FEATURES

Offering top power, superior performance, and comprehensive professional features in a roadworthy, compact chassis, the **D2X SERIES** is ideal for the most demanding sound reinforcement installations and touring applications. This manual covers the operating instructions for all **D2X SERIES** professional power amplifiers. The operation and functions of these units are consistent, except where noted.

Key Operating Features:

- Colored Digital Display for Easy Monitoring and Control
- Precision Detent Volume Controls
- Parallel Balanced XLR Inputs
- Versatile Operating Modes: Stereo (dual channel), parallel input, or bridged mono, selectable via a switch
- Independent User-Defeatable Clip Limiters (Compressor)
- Three Selectable Input Sensitivities
- Ground Lift Switch
- Binding Post (Banana Plug) and Speakon Outputs

Design and Construction:

- Durable, Roadworthy Steel Chassis (3U)
- Modular Construction for Ease of Servicing

Comprehensive Safety and Reliability Features:

- Dual Speed Cooling Fans
- Soft Start Turn-On for Noise-Free Operation
- Independent DC and Thermal Overload Protection on Each Channel
- Short Circuit and Speaker Protection
- Built-In Current Limiter

The **D2X SERIES** is engineered to endure the rigors of touring while delivering the reliability and performance essential for professional audio applications.

LED SCREEN DISPLAY

A. Working Mode

Displays the current working mode: STEREO mode, PARALLEL mode, or BRIDGE mode.

B. Current Voltage

Indicates the current operating voltage.

C. Temperature Display

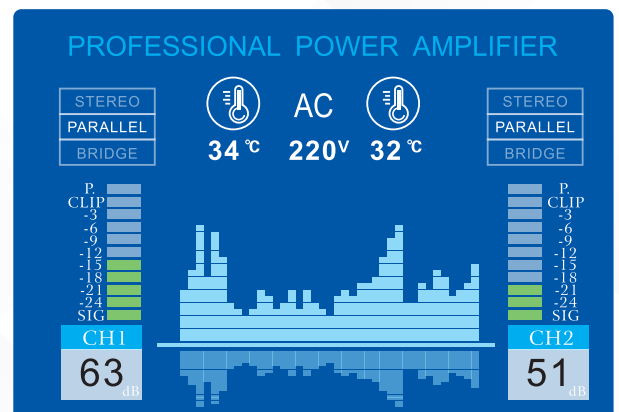
Shows the temperature of the unit.

D. Volume

Displays the current volume level.

E. Spectrum Display

Visual representation of the audio spectrum for each channel (CH1 and Ch2).



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SPECIFICATIONS

General Information

Rated power

D2X2000

8Ω Stereo	2x900W
4Ω Stereo	2x1500W
2Ω Stereo	2x2000W
8Ω Bridge	3000W
4Ω Bridge	4000W

D2X2400

8Ω Stereo	2x1200W
4Ω Stereo	2x1900W
2Ω Stereo	2x2400W
8Ω Bridge	3800W
4Ω Bridge	4800W

Audio Performance

Frequency Response

D2X2000/2400	20Hz-20kHz (+0.5/-0.5dB, 1W)
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S/N Ratio

D2X2000/2400	≥ 105dB
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Damping Factor

D2X2000/2400	≥ 500
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Slew Rate

D2X2000/2400	> 40v/ μ s
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Analog Input

Input Impedance

Balanced	20k
Unbalanced	10k

Output Circuitry

D2X2000/2400	Class H
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Input Sensitivity

D2X2000/2400	0.7V/1V/1.4V
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Protections

DC protection	✓
Short Circuit protection	✓
High temperature protection	✓
Output overload protection	✓
Soft Start protection	✓
Clip limit protection	✓

Connectors (each Channel)

Input Connectors	3-Pin XLR
Output Connectors	NL4 SpeakOn & Binding post

Mode

D2X2000/2400	Stereo/Parallel/ Bridge
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Total Harmonic Distortion (@8ohm, 1kHz)

D2X2000/2400	<0.035%
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Product Dimensions

D2X2000/2400	483x487x132MM
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Net Weight

D2X2000	25 KG
D2X2400	28 KG

Gross Weight

D2X2000	29 KG
D2X2400	32 KG