

VOKON Single-Channel Power Amplifier

VM-DX11000 / VM-DX12000



Product Overview

VM-DX11000 / VM-DX12000 are single-channel power amplifiers with rated output power of 1000W and 2000W respectively. Supporting 100V constant voltage and 8Ω speaker loads, they suit professional public address systems. Equipped with XLR and RCA audio input & output terminals for flexible signal connection and cascading. Built-in comprehensive protection mechanisms cover output short circuit, overload and overheating to safeguard the amplifier and speakers. Featuring stable performance and high efficiency, these amplifiers are widely applied in conference venues, stadiums, scenic spots and large-scale broadcasting projects for reliable long-term operation.

Suitable for applications including:

- ✓ Large Conference Halls
- ✓ Stadiums & Gymnasiums
- ✓ Scenic Areas & Parks
- ✓ Industrial Parks
- ✓ Transport Terminals
- ✓ Exhibition Centers
- ✓ Campus Broadcasting Systems
- ✓ Theaters & Auditoriums
- ✓ Public Square PA Systems
- ✓ Command Dispatch Centers



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Key Features

1. Single-channel power amplifier available in two power versions: 1000W (VM-DX11000) and 2000W (VM-DX12000).
2. Supports dual output modes: 100V constant voltage and 8Ω low impedance for versatile speaker matching.
3. Equipped with XLR and RCA audio input & output interfaces, convenient for signal cascading.
4. Comprehensive built-in protection against output short circuit, overload and over-temperature.
5. Standard 1U rack-mount chassis, easy to install into standard audio equipment cabinets.
6. Multiple LED indicator lights to display power, signal, clip and protection working status in real time.
7. Precise volume adjustment knob for flexible audio level control.
8. Efficient circuit design delivers stable output, suitable for long-time continuous operation.
9. Excellent sound performance, ideal for large-scale public address and professional audio projects.
10. Robust metal housing with great heat dissipation to ensure reliable long-term operation.

Technical specifications

Model	VM-DX11000	VM-DX12000
Product Type	Single-Channel Professional Power Amplifier	
Rated Output Power	1000W	2000W
Output Modes	100V Constant Voltage, 8Ω Low Impedance	
Audio Input Interfaces	XLR & RCA	
Audio Output Interfaces	XLR & RCA	
Total Harmonic Distortion (THD)	<0.5% (at rated power, 1kHz)	
Frequency Response	20Hz – 20kHz, ±3dB	
Signal-to-Noise Ratio (SNR)	>90dB	
Protection Mechanisms	Short Circuit, Overload, Over-temperature Protection	
Chassis Form Factor	Standard 1U 19-inch Rack-mount Design	
Status Monitoring	Power, Signal, Clip, Protection LED Indicators	
Control Method	Front Panel Precision Volume Adjustment Knob	
Power Supply	Wide AC Input 100-240V, 50/60Hz	
Core Application Scenarios	Large-scale Public Address, Professional Audio Projects	