

V Series

Two-channel Professional Audio Amplifier



Product Features ■

High Performance

JBL V Series high-performance amplifiers are standard two-channel configuration amplifiers with built-in 2U professional rack mount, and providing sufficient power for stereo loudspeaker system. Utilizing JBL's specially designed amplifier chip circuit and advanced acoustic tuning technologies, JBL V Series amplifiers ensure stable and efficient delivery of high-fidelity sound, which can meet the audio needs of musicians, DJs, pubs and KTVs.

Durable and Reliable

JBL V Series amplifiers undergo rigorous stimulation test and evaluation. Each model is equipped with a variable-speed fan and detachable dust filter for easy maintenance.

Compatibility

JBL V Series is comprised of different power models, ranging from 300 W to 1000 W @ 8 ohm. Sound performance is best matched with JBL entertainment speakers, audio processors, and wireless microphones as a system.

General ■

JBL V Series amplifiers are cost-effective, highly efficient and stable solutions to deliver high-fidelity sound, which can meet the stringent audio requirements of sophisticated musicians, DJs, KTVs and pubs. 2U rack-mounted amplifier housing fits into standard professional audio cabinet. JBL V Series amplifiers are available in four models: V4, V6, V8, and V10, covering the low power output to high power output, and meeting diversified user needs.

With over 70 years of experience in speaker design, JBL understands the requirements of amplification for sound reproduction. Each model is embedded with Harman advanced transducer, delivering the best acoustic sound for JBL entertainment loudspeakers. Advanced JBL customized amplifier chips redefine innovative circuit design according to JBL's acoustic requirements.

JBL V Series two-channel professional audio amplifiers provide high-density power required for sound amplification, and offer flexible selection of three input modes: Stereo / Parallel / Bridge. JBL V Series also provides two extra balanced XLR analogue throughput, allowing audio input routing to an external device. Two output channels are provided: Binding post and Speakon® outputs, allowing V series to meet connection requirements for different applications.

IN THE BOX ■

V Series Two-channel Professional Audio Amplifier
Manual
Foot Pad

V Series

Two-channel Professional Audio Amplifier



Main features

- ▶ JBL Entertainment Tuning: Enable users to realize faster and easier setup and installation.
- ▶ JBL Acoustic Technologies: Integrated with JBL acoustic tuning technologies, incredible design to deliver high-fidelity audio.
- ▶ Input / Output: Balanced XLR input and throughput are provided. Signals can be sent to another device through the balanced connector. Speakon® and output binding post design can facilitate quick and easy live applications.
- ▶ Front Panel: Intuitive front panel at-a-glance, simplistic and functional design.
- ▶ Mode Switch: Three configurations are available to meet different user needs: stereo / parallel / bridge-mono mode.
- ▶ Stability and High Efficiency: Design undergoes vigorous test, ensuring stable output delivery and durable performance.

Product size



V4 / V6 Cabinet Dimensions



V8 / V10 Cabinet Dimensions

TECHNICAL SPECIFICATIONS

Minimum Guaranteed Power	V4	V6	V8	V10
1 kHz (EIA) with 0.5% THD				
4 ohms stereo (per channel)	380 W	640 W	860 W	1280 W
8 ohms stereo (per channel)	300 W	500 W	675 W	1000 W
8 ohms bridge mono	760 W	1280 W	1720 W	2560 W
Performance				
Frequency Response (1W)	20 Hz - 20 kHz, +0/-1 dB			
Total Harmonic Distortion (THD)	< 0.5%, 20 Hz - 20 kHz			
Transient Intermodulation Distortion (IMD) 60 Hz and 7 kHz at 4:1, from full rated output to -30 dB	< 0.6 %			
Conversation Rate	> 10 V/μs			
Voltage Gain	36 dB	38 dB	39.5 dB	41.6 dB
Damping Coefficient (8 ohms), 10 Hz to 400 Hz	> 200			
Signal-to-Noise Ratio (referenced to rated output power, 20 Hz to 20 kHz, A-weighted)	> 100 dB			
Crosstalk (referenced to rated output power)				
At 1 kHz	-75 dB			
At 20 kHz	-59 dB			
Input Sensitivity (Rated power at 8 ohms)	0.775 V			
Input Impedance (rated)				
Balanced	20k ohms			
Non-balanced	10k ohms			
Connector, Control Key and Indicator				
Signal Input/ Output Connector	One balanced XLR input and one XLR LINK output per channel			
Amplifier Output Connector	One Speakon signal output interface and one set of terminal output interface per channel			
Front Panel Control	Power switch and channel gain knob			
Rear Panel Control	Output mode switch: Stereo, Parallel, Bridge			
Power Indicator	Blue			
Signal Indicator	Green			
Clipping Indicator	Yellow			
Fault Indicator	Red			
Power Cord Specifications	Plug: 10 A, 250 V Cable: CCC 3 x 1.0 mm ² x 1.5 m	Plug: 10 A, 250 V Cable: CCC 3 x 1.0 mm ² x 1.5 m	Plug: 10 A, 250 V Cable: CCC 3 x 1.0 mm ² x 1.5 m	Plug: 10 A, 250 V Cable: CCC 3 x 1.5 mm ² x 1.5 m
Structure				
Protection	Protection against short circuit, no load, power on/o ffnnoise, radio interference and abnormal temperature			
Ventilation	Air convection mechanism from front to back			
Cooling	Strong internal air ventilation and cooling, fan cooling, quick adjustment			
Dimension (W x H x D)	482 mm x 88 mm x 238.5 mm	482 mm x 88 mm x 238.5 mm	482 mm x 88 mm x 258.5 mm	482 mm x 88 mm x 258.5 mm
Net Weight	8.5 Kg	11 Kg	12 Kg	15 Kg
Packaging Weight	9.5 Kg	12 Kg	13 Kg	16 Kg



HARMAN Professional 8500 Balboa Blvd, Northridge, CA 91329 USA

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