Power Amplifier
Two-channel

VX-series

VX300 VX500-4 VX500-8 VX700-4 VX700-8

MOSFET Output Transistors
•
H Class Topology
•
Classic Power Supply
(toroidal transformer)
•
Natural Cooling
•
2U Height (1U for VX300)
•
Input Level Controls
Signal Indicators
•
Clip and Alarm Indicators
•
Mode Switch
Stereo-Mono-Bridge
•
Switchable High Pass Filter
(45Hz, 24dB/octave)
•
Groud Lift
•
Detachable Power Cord
•
XLR Input Connectors
•
SpeakOn Output Connectors
•
Overload and Short Circuit Protection
•
Thermal Protection
•
Clip-limiter
•
Relay DC Speaker Protect
•
High Frequency Speaker Protect
•
Soft Signal Start

VX-series are classic amplifiers for small installations and studios.

VX-Series amplifiers are based on H class topology. This topology provides higher efficiency and less heat generation compared with traditional class AB circuitry and allowed to use the natural cooling system.

Fanless cooling system eliminates the need for any maintenance and allows the use of these amplifiers in rooms with high requirements to the level of acoustic noise.

Amplifiers have the classic reliable power supply, based on a toroidal transformer.

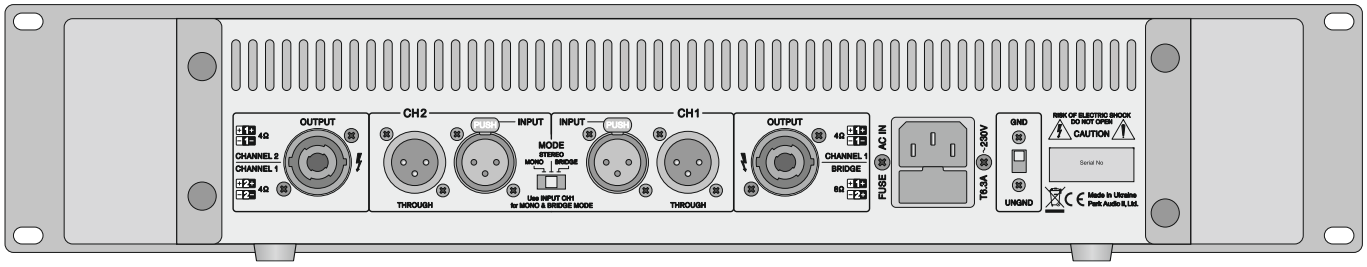
Switchable high-pass filter (45 Hz, 24 dB/octave) improves the reliability of the speaker by removing from the signal low frequency components (lower frequency limit of the loudspeaker), which are not reproduced by speakers and only cause useless «bumpy» cones. Access to the jumpers, which enables/disables HPF, can be obtained by removing the top cover of the amplifier.

VX-Series, except 4 Ohms models, also includes models, designed for only 8 Ohms loads. This allows the user to get the necessary power for less money. To obtain the necessary power at 8 Ohms (this is a impedance of most popular loudspeakers with the power of 250-350 W), 4 Ohms amplifier should be twice more power.

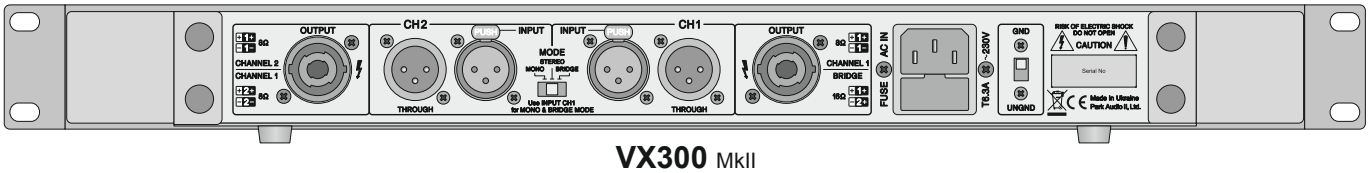
The amplifier is equipped with a full set of modern protection systems. These include short circuit protection, thermal protection, DC and high frequency speaker protections.

VX-Series has improved version «**Special Edition**» (with corresponding marking on the front panel) for studio use. Unlike standard version, these amplifiers use low-noise transformers and higher class electronic components, providing less noise and hum level as well as total harmonic distortion.

Model	VX300 MkII	VX500-4 MkII	VX500-8 MkII	VX700-4 MkII	VX700-8 MkII
Output Power (4 Ohms)	—	2 x 250 W	—	2 x 350 W	—
(8 Ohms)	2 x 150 W	2 x 150 W	2 x 250 W	2 x 200 W	2 x 350 W
(Bridge, 8 Ohms)	—	450 W	—	600 W	—
(Bridge, 16 Ohms)	260 W	290 W	450 W	390 W	600 W
Frequency Response	**20 Hz – 20 kHz** (±0.2 dB, Pnom.) / **10 Hz – 60 kHz** (±1 dB, 1 W)				
Total Harmonic Distortion	**0.003 %** (1 kHz) / **0.02 %** (20 Hz – 20 kHz)				
Slew Rate	**40 V/µs** (channel) / **80 V/µs** (bridge)				
Damping Factor	**300** (1kHz, 8 Ohms)	**400** (1kHz, 8 Ohms)	**300** (1kHz, 8 Ohms)	**400** (1kHz, 8 Ohms)	**300** (1kHz, 8 Ohms)
Crosstalk	**60 dB** (1 kHz)				
Signal-to-Noise Ratio	**100 dB** (unweighted)				
Sensitivity	**0.775 V**				
Input Impedance	**10 kOhms** (balanced)				
High-pass Filter Cutoff Frequency	**45 Hz** (24 dB / octave)				
Power Requirements	**~230 V AC, 50/60 Hz**				
Weight	8.2 kg	11.5 kg	11.5 kg	12 kg	12 kg
Height	1U	2U	2U	2U	2U
Depth in Rack	**322 mm**				
Dimensions	**482 mm** (W) **54 mm** (H) **361 mm** (D)	**482 mm** (W) x **96 mm** (H) x **361 mm** (D)			



VX500-4 MkII **VX500-8** MkII **VX700-4** MkII **VX700-8** MkII



VX300 MkII

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