



VA Series Power Amplifier

Professional high-end amplifier with excellent stability and reliability is highly cost effective.

The six models within this series (VA201, VA401, VA601, VA801, VA901, VA1201) offer a range from 130 watts to 1200 watts at 8 Ω stereo. Each channel works at 2 Ω to satisfy all requirements. Except VA201, there is elegant LCD in the VA front panel. LCD will show the info like working mode, temperature, DC protection, overload protection, etc.

VA series adopts Audiocenter latest Class H⁺ circuitry to eliminate the Class H cross switching distortion.

With carefully selected components like toroidal transformers, audiophile WIMA capacitors, TOSHIBA transistors, NEUTRIK® connectors and BELDEN wires, etc. VA series has very clear and clean sound and high damping factor. This makes VA series suitable for any kind of application, from high power loudspeakers to critical monitoring where very high requirements are mandatory. It can be widely used in fixed installation and touring performance such as bar, nightclub, multi-functional hall, museum, religious venue, commerce site, lecture hall, wedding ceremony, etc.

FEATURES

■ A-Guard Protection System

A-Guard is Audiocenter comprehensive protection system which includes optimized limiter circuit. Unlike other solutions which depend on separate circuits to address different problems, A-Guard was developed as centralized solution where all protection requirements work together in perfect harmony. A-Guard is only applied when it's necessary to protect the amplifier. This is the reason why VA amplifiers are able to sustain full power output even under complex capacitive loads.

■ Smart Overheat Management

The smart overheat management of VA series adopts unique circuitry to monitor the amplifier's temperature in real time. When the safe operation of the amplifier is compromised, the output power is reduced but not shut down, which ensures the system can work normally in high temperature environment.

■ Class H+ Circuit Design Eliminates Cross Switching Distortion

VA series adopts Audiocenter latest Class H+ circuit to eliminate the Class H cross switching distortion. The result is the same low distortion as Class AB. All VA amplifiers have less than 0.1%THD at 16KHz and the sound is so clean and natural.

CORE COMPONENTS



◀ LCD Display



Toroidal Transformer ▶



Customized Audiocenter big Capacitor ▼



WIMA Capacitor ▶



▲ NEUTRIK® XLR and Speakon



◀ TOSHIBA Transistor



VA201



Rated Power (20Hz–20KHz, <0.1%THD)	2 × 130W@8Ω stereo 2 × 190W@4Ω stereo 380W@8Ω bridge
A-Guard Protection System	DC protection / Short circuit protection / Smart overheat management / Overheat protection / Input overload protection / Output overload protection / Soft startup protection / Limiter protection Up to 9V
Frequency Response (1W 8Ω stereo)	20Hz–20KHz(±0.5dB)
Sensitivity	0.775V / 32dB / 26dB
Input Connectors Output Connectors	NEUTRIK® female XLR & Jack NEUTRIK® Speakon NL 4MP & Binding post (hole)
Filter Capacitor Capacity	4700 μ f / 63V × 4
Input Impedance	Balanced 20KΩ / Unbalanced 10KΩ
Crosstalk (20Hz–20KHz, Rated power 8Ω)	≥60dB
S/N Ratio (Rated power 8Ω, A weighted)	≥103dB
Damping Factor (1KHz&8Ω)	≥150
Intermodulation Distortion (20Hz–20KHz, half power)	≤0.1%
Total Harmonic Distortion (20Hz–20KHz, rated power 8Ω)	≤0.1%
Phase Response (1W&8Ω, 20Hz–20KHz)	20Hz+4° 20KHz–12°
Slew Rate	≥25V/μ s
Output Circuitry	Class AB
Power Consumption (Dual channel driven 4Ω, 1/8RMS / 230V)	1.1A
Rack Space	1U
Cooling	Back to front venting, mandatory cooling
Dimension (W × H × D)	483 × 44 × 356mm
Net Weight	11.0Kg



VA401



Rated Power (20Hz–20KHz, <0.1%THD)	2 × 400W@8Ω stereo 2 × 600W@4Ω stereo 2 × 800W@2Ω stereo 1200W@8Ω bridge 1600W@4Ω bridge
A-Guard Protection System	DC protection / Short circuit protection / Smart overheat management / Overheat protection / Input overload protection / Output overload protection / Soft startup protection / Limiter protection Up to 9V
Frequency Response (1W 8Ω stereo)	20Hz–20KHz(±0.5dB)
Sensitivity	0.775V / 32dB / 26dB
Input Connectors Output Connectors	NEUTRIK® female XLR & Jack NEUTRIK® Speakon NL 4MP & Binding post (hole)
Filter Capacitor Capacity	10000 μ f / 63V × 4
Input Impedance	Balanced 20KΩ / Unbalanced 10KΩ
Crosstalk (20Hz–20KHz, Rated power 8Ω)	≥60dB
S/N Ratio (Rated power 8Ω, A weighted)	≥103dB
Damping Factor (1KHz&8Ω)	≥350
Intermodulation Distortion (20Hz–20KHz, half power)	≤0.1%
Total Harmonic Distortion (20Hz–20KHz, rated power 8Ω)	≤0.1%
Phase Response (1W&8Ω, 20Hz–20KHz)	20Hz+4° 20KHz–12°
Slew Rate	≥25V/μ s
Output Circuitry	Class AB
Power Consumption (Dual channel driven 4Ω, 1/8RMS / 230V)	3.1A
Rack Space	2U
Cooling	Back to front venting, mandatory cooling
Dimension (W × H × D)	483 × 88 × 451mm
Net Weight	18.0Kg



VA601



Rated Power (20Hz–20KHz, <0.1%THD)	2 × 600W@8Ω stereo 2 × 900W@4Ω stereo 2 × 1200W@2Ω stereo 1800W@8Ω bridge 2400W@4Ω bridge
A-Guard Protection System	DC protection / Short circuit protection / Smart overheat management / Overheat protection / Input overload protection / Output overload protection / Soft startup protection / Limiter protection Up to 9V
Frequency Response (1W 8Ω stereo)	20Hz–20KHz(± 0.5dB)
Sensitivity	0.775V / 36dB / 32dB
Input Connectors Output Connectors	NEUTRIK® female XLR & Jack NEUTRIK® Speakon NL 4MP & Binding post (hole)
Filter Capacitor Capacity	10000 μf / 63V × 8
Input Impedance	Balanced 20KΩ / Unbalanced 10KΩ
Crosstalk (20Hz–20KHz, Rated power 8Ω)	≥60dB
S/N Ratio (Rated power 8Ω, A weighted)	≥ 103dB
Damping Factor (1KHz&8Ω)	≥ 350
Intermodulation Distortion (20Hz–20KHz, half power)	≤0.1%
Total Harmonic Distortion (20Hz–20KHz, rated power 8Ω)	≤0.1%
Phase Response (1W&8Ω, 20Hz–20KHz)	20Hz+4° 20KHz–12°
Slew Rate	≥25V/μs
Output Circuitry	Class AB
Power Consumption (Dual channel driven 4Ω, 1/8RMS / 230V)	3.4A
Rack Space	2U
Cooling	Back to front venting, mandatory cooling
Dimension (W × H × D)	483 × 88 × 451mm
Net Weight	20.0Kg

VA801



Rated Power (20Hz–20KHz, <0.1%THD)	2 × 700W@8Ω stereo 2 × 1050W@4Ω stereo 2 × 1300W@2Ω stereo 2100W@8Ω bridge 2600W@4Ω bridge
A-Guard Protection System	DC protection / Short circuit protection / Smart overheat management / Overheat protection / Input overload protection / Output overload protection / Soft startup protection / Limiter protection Up to 9V
Frequency Response (1W 8Ω stereo)	20Hz–20KHz(± 0.5dB)
Sensitivity	0.775V / 36dB / 32dB
Input Connectors Output Connectors	NEUTRIK® female XLR & Jack NEUTRIK® Speakon NL 4MP & Binding post (hole)
Filter Capacitor Capacity	10000 μf / 80V × 8
Input Impedance	Balanced 20KΩ / Unbalanced 10KΩ
Crosstalk (20Hz–20KHz, Rated power 8Ω)	≥60dB
S/N Ratio (Rated power 8Ω, A weighted)	≥ 103dB
Damping Factor (1KHz&8Ω)	≥ 350
Intermodulation Distortion (20Hz–20KHz, half power)	≤0.1%
Total Harmonic Distortion (20Hz–20KHz, rated power 8Ω)	≤0.1%
Phase Response (1W&8Ω, 20Hz–20KHz)	20Hz+5° 20KHz–20°
Slew Rate	≥25V/μs
Output Circuitry	Class H+
Power Consumption (Dual channel driven 4Ω, 1/8RMS / 230V)	4.3A
Rack Space	2U
Cooling	Back to front venting, mandatory cooling
Dimension (W × H × D)	483 × 88 × 451mm
Net Weight	21.5Kg



VA901



Rated Power (20Hz–20KHz, <0.1%THD)	2 × 800W@8Ω stereo 2 × 1250W@4Ω stereo 2 × 1500W@2Ω stereo 2500W@8Ω bridge 3100W@4Ω bridge
A-Guard Protection System	DC protection / Short circuit protection / Smart overheat management / Overheat protection / Input overload protection / Output overload protection / Soft startup protection / Limiter protection Up to 9V
Frequency Response (1W 8Ω stereo)	20Hz–20KHz(± 0.5dB)
Sensitivity	0.775V / 36dB / 32dB
Input Connectors Output Connectors	NEUTRIK® female XLR & Jack NEUTRIK® Speakon NL 4MP & Binding post (hole)
Filter Capacitor Capacity	10000 μ f / 80V × 8
Input Impedance	Balanced 20KΩ / Unbalanced 10KΩ
Crosstalk (20Hz–20KHz, Rated power 8Ω)	≥60dB
S/N Ratio (Rated power 8Ω, A weighted)	≥ 103dB
Damping Factor (1KHz&8Ω)	≥ 650
Intermodulation Distortion (20Hz–20KHz, half power)	≤0.1%
Total Harmonic Distortion (20Hz–20KHz, rated power 8Ω)	≤0.1%
Phase Response (1W&8Ω, 20Hz–20KHz)	20Hz+5° 20KHz–20°
Slew Rate	≥25V/μ s
Output Circuitry	Class H ⁺
Power Consumption (Dual channel driven 4Ω, 1/8RMS / 230V)	4.5A
Rack Space	3U
Cooling	Back to front venting, mandatory cooling
Dimension (W×H×D)	483 × 132 × 484mm
Net Weight	35.0Kg



VA1201



Rated Power (20Hz–20KHz, <0.1%THD)	2 × 1200W@8Ω stereo 2 × 1800W@4Ω stereo 2 × 2500W@2Ω stereo 3600W@8Ω bridge 5400W@4Ω bridge
A-Guard Protection System	DC protection / Short circuit protection / Smart overheat management / Overheat protection / Input overload protection / Output overload protection / Soft startup protection / Limiter protection Up to 9V
Frequency Response (1W 8Ω stereo)	20Hz–20KHz(± 0.5dB)
Sensitivity	0.775V / 36dB / 32dB
Input Connectors Output Connectors	NEUTRIK® female XLR & Jack NEUTRIK® Speakon NL 4MP & Binding post (hole)
Filter Capacitor Capacity	6800 μ f / 100V × 12
Input Impedance	Balanced 20KΩ / Unbalanced 10KΩ
Crosstalk (20Hz–20KHz, Rated power 8Ω)	≥60dB
S/N Ratio (Rated power 8Ω, A weighted)	≥ 103dB
Damping Factor (1KHz&8Ω)	≥ 650
Intermodulation Distortion (20Hz–20KHz, half power)	≤0.1%
Total Harmonic Distortion (20Hz–20KHz, rated power 8Ω)	≤0.1%
Phase Response (1W&8Ω, 20Hz–20KHz)	20Hz+5° 20KHz–20°
Slew Rate	≥25V/μ s
Output Circuitry	Class H ⁺
Power Consumption (Dual channel driven 4Ω, 1/8RMS / 230V)	5.0A
Rack Space	3U
Cooling	Back to front venting, mandatory cooling
Dimension (W×H×D)	483 × 132 × 484mm
Net Weight	40.0Kg

