

■ A Series Amplifier Specifications

SPECIFICATIONS		A5.0	A7.0	A13.0
Rated Power (20Hz-20KHz, <0.1%THD)	4Ω bridge	2300W	3000W	4200W
	8Ω bridge	1800W	2500W	3900W
	2Ω stereo	2×1150W	2×1500W	2×2100W
	4Ω stereo	2×900W	2×1250W	2×1950W
	8Ω stereo	2×600W	2×800W	2×1300W
A-Guard Protection System	DC protection		√	
	Short circuit protection		√	
	Smart overheat management		√	
	Overheat protection		√	
	Input overload protection		√	
	Output overload protection		√	
	Soft startup protection		√	
Limiters protection		Up to 9V		
Frequency Response(1W 8Ω stereo)		20Hz-20KHz(±0.5dB)		
Sensitivity		1V		
Connectors	Input	NEUTRIK® Female XLR & Jack		
	Output	Binding post & Speakon NL 4MP		
Filter Capacitor Capacity		10000µf / 63V×8	10000µf / 80V×8	12000µf / 100V×12
Input Impedance	Balanced	20KΩ		
	Unbalanced	10KΩ		
Crosstalk(20Hz-20KHz, rated power 8Ω)		≥60dB		
S/N Ratio(Rated power 8Ω, A weighted)		≥100dB		
Damping Factor(1KHz & 8Ω)		≥350		≥700
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		≥35V/µs		
Output Circuitry		Class H*		
Power Consumption (Dual channel driven 4Ω, 1/8RMS/230V)		2.4A	3.8A	5.5A
Rack Space		2U		3U
Cooling		Back to front venting, mandatory cooling		
Dimensions(W×H×D)		483×88×456mm		483×132×484mm
Net Weight		20.0Kg	22.0Kg	38.0Kg
Technical Support and After-sales Service		Global application support team		

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A Series Power Amplifier

Professional Amplifier with remarkable performance and reliability

The three models within this series (A5.0,A7.0,A13.0) offer a range from 600 watts to 1300 watts at 8Ω stereo. Each channel can work at 2Ω to satisfy all requirements.

A series adopts Audiocenter latest Class H* circuit to eliminate the Class H cross switching distortion.

A series adopts carefully selected components like toroidal transformers, high-quality capacitors, Onsemi transistors, Neutrik input connectors and superior audio wires, etc. High quality materials and technology ensure the reliability and safety, which makes A series suitable in any kind of extremely cold, hot or wet working environment. It can be widely used in fixed installation and touring performance such as entertainment venues, 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 A amplifiers are able to sustain full power output even under complex capacitive loads.

■ Smart Overheat Management

The smart overheat management of A 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 stably in high temperature environment.

■ Class H+ Circuit Design Eliminates Cross Switching Distortion

A 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 A amplifiers have less than 0.1%THD at 16KHz and the sound is so clean and natural.

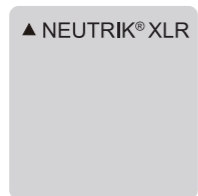
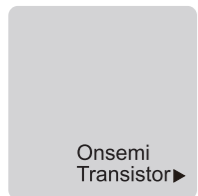
■ Comprehensive Protection System

A series is with comprehensive protection system including short circuit protection, overload protection, DC protection, overheat protection, limiter protection and soft startup, which make the sound system more safe and reliable.

■ Adjustable Crossover (Independent Channel A / Channel B)

Low pass: 70Hz~120Hz(±10%) -3dB adjustable
High pass: 100Hz(±10%)-3dB

CORE COMPONENTS



A5.0



Rated Power (20Hz-20KHz, <0.1%THD)	2×600W@8Ωstereo 2×900W@4Ωstereo 2×1150W@2Ωstereo 1800W@8Ωbridge 2300W@4Ωbridge
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	1V
Input Connectors Output Connectors	NEUTRIK® Female XLR & Jack Binding post & Speakon NL 4MP
Filter Capacitor Capacity	10000µf / 63V×8
Input Impedance	Balanced 20KΩ / Unbalanced 10KΩ
Crosstalk (20Hz-20KHz, Rated power 8Ω)	≥60dB
S/N Ratio (Rated power 8Ω, A weighted)	≥100dB
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	≥35V/µs
Output Circuitry	Class H+
Power Consumption (Dual channel driven 4Ω, 1/8RMS / 230V)	2.4A
Rack Space	2U
Cooling	Back to front venting, mandatory cooling
Dimension (W×H×D)	483×88×456mm
Net Weight	20.0Kg



A7.0



Rated Power (20Hz-20KHz, <0.1%THD)	2×800W@8Ωstereo 2×1250W@4Ωstereo 2×1500W@2Ωstereo 2500W@8Ωbridge 3000W@4Ωbridge
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	1V
Input Connectors Output Connectors	NEUTRIK® Female XLR & Jack Binding post & Speakon NL 4MP
Filter Capacitor Capacity	10000µf / 80V×8
Input Impedance	Balanced 20KΩ / Unbalanced 10KΩ
Crosstalk (20Hz-20KHz, Rated power 8Ω)	≥60dB
S/N Ratio (Rated power 8Ω, A weighted)	≥100dB
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	≥35V/µs
Output Circuitry	Class H+
Power Consumption (Dual channel driven 4Ω, 1/8RMS / 230V)	3.8A
Rack Space	2U
Cooling	Back to front venting, mandatory cooling
Dimension (W×H×D)	483×88×456mm
Net Weight	22.0Kg



A13.0



Rated Power (20Hz-20KHz, <0.1%THD)	2×1300W@8Ωstereo 2×1950W@4Ωstereo 2×2100W@2Ωstereo 3900W@8Ωbridge 4200W@4Ωbridge
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	1V
Input Connectors Output Connectors	NEUTRIK® Female XLR & Jack Binding post & Speakon NL 4MP
Filter Capacitor Capacity	12000µf / 100V×12
Input Impedance	Balanced 20KΩ / Unbalanced 10KΩ
Crosstalk (20Hz-20KHz, Rated power 8Ω)	≥60dB
S/N Ratio (Rated power 8Ω, A weighted)	≥100dB
Damping Factor (1KHz&8Ω)	≥700
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	≥35V/µs
Output Circuitry	Class H+
Power Consumption (Dual channel driven 4Ω, 1/8RMS / 230V)	5.5A
Rack Space	3U
Cooling	Back to front venting, mandatory cooling
Dimension (W×H×D)	483×132×484mm
Net Weight	38.0Kg

