

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



Toroidal
Transformer



▲ NEUTRIK® XLR



Onsemi
Transistor ▶



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 NL4MP
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

