SR 404
SR 606
SR 707

PREMIUM GRADE
MOSFET AMPLIFIERS

ACCURACY PERFORMANCE POWER

The **C-Audio SR Series** is comprised of three premium-grade stereo power amplifiers. The models are:

SR 404: 466W/4Ω x 2
SR 606: 625W/4Ω x 2
SR 707: 826W/4Ω x 2

SR Series amplifiers are constructed specifically for the professional market. Each is hand- built to the most stringent specification, and tested to the limits of measurement technology.

Power Rating Table*

Continuous Average Power

	Both channels driven			Bridged	
	2Ω	4Ω	8Ω	4Ω	8Ω
SR 404	500	466	283	1000	935
SR 606	750	625	390	1500	1300
SR 707	1175	826	488	2350	1653

**Output power values are in Watts @ 1kHz and 0.1% distortion*

Features

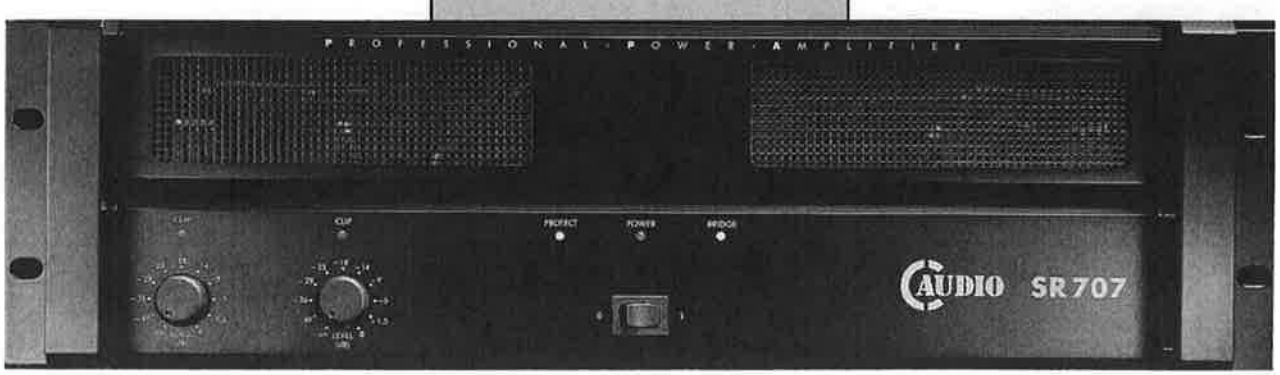
- **Very strong mechanical design and rugged internal construction ensure long-term durability in "real-world" operation.**
- **Oversized toroidal transformers and low ESR filter capacitors easily handle high energy demands even at very low frequencies.**
- **Thermally controlled, 2-speed twin cooling fans ensure long-term safe and reliable delivery of high continuous power output.**
- **"Audiophile-grade" circuit topologies enhance sonic quality and increase stability into long cable runs and difficult loads.**
- **Electronically balanced XLR inputs have high CMRR and efficient DC/RF filtration, outputs are on heavy duty binding posts.**
- **AC "soft start" circuitry eliminates current surge problems such as contact burning and audible "thumps" at switch-on.**
- **Proven multi-level circuitry fully protects amplifier and speaker loads against faults and misuse.**

No compromises have been made in the design of the SR Series. All components are generously rated well within the safe operating limits, and those in the signal path have been carefully selected for their contribution to sonic quality.

All models incorporate Active Headroom Synthesis, an unique system that sensitively raises driver supply rail voltage above the output stage to eliminate premature clipping and thus ensure minimal distortion, even at the extremes of power delivery.

Large and capable power supplies, and the use of multiple paralleled MosFet power devices allow SR Series amplifiers to be rated for continuous operation into nominal load impedances as low as 2 ohms per channel, or 4 ohms in bridged mode.

It is this total dedication to overall excellence that has made C-Audio's SR Series one of the world' leading power amplifier ranges.



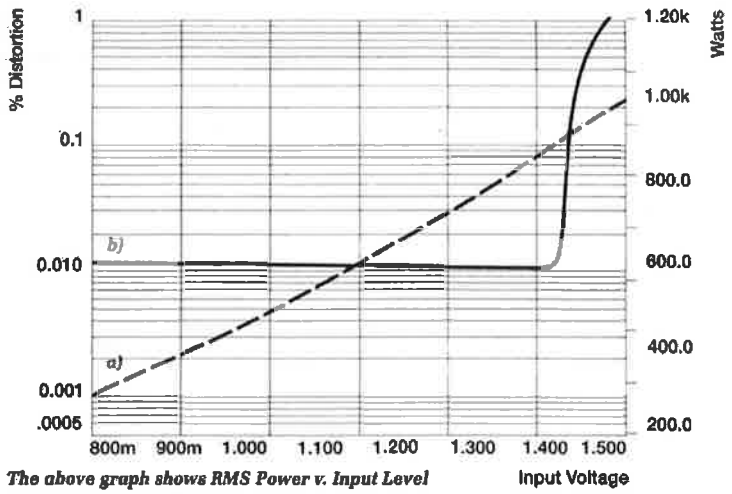
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POWER AMPLIFIERS

Technical Specification

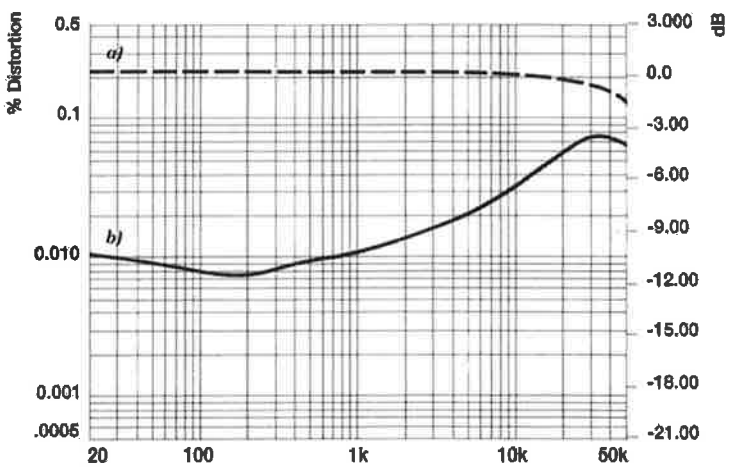
	404	606	707
Inputs			
Type	Electronically balanced		
Impedance	10k		
Com.mode rejection	60dB		
Sensitivity	+4dB		
Outputs			
Slew rate	45V/µsec		
Rise time	3µsec		
Performance			
Power bandwidth	5Hz - 50kHz		
THD @ rated output	0.05%		
Hum and noise	-100dB		
Channel separation @ 1kHz	70dB		
Damping factor	350	500	700
Voltage requirement	220/240V AC±20% 50Hz		
Weight			
Nett	29kg		
Shipping	36kg		
Dimensions			
Width	482mm		
Depth	420mm		
Height	133mm		
Terminations			
Input	XLR		
Output	Binding post/speakon		
Power	Fixed cord		

SR 707



The above graph shows RMS Power v. Input Level
a) = Power b) = THD

SR 707



The above graph shows Power Bandwidth v. THD (0dB = 600 Watts into 4 Ohms)
a) = Power b) = THD

Architect's and Engineer's specification

The amplifier shall have two channels each capable of producing an output of (Note 1) watts continuous average power into a (Note 1) ohm load with both channels driven. Each input shall be electronically balanced, shall have a CMRR of greater than 60dB at any frequency between 20Hz to 20kHz, and shall incorporate effective filtration against RF and DC. Each channel shall be capable of delivering its rated continuous average power into a nominal 2 ohm load. Full output shall be achieved by an input signal of not more than 1.4V RMS per channel. Each channel shall be equipped with Active Headroom Synthesis circuitry that sensitively raises driver supply rail voltage above the output stage to eliminate premature clipping and ensure minimal distortion at extremes of power delivery. Each channel shall have a +0, -1dB frequency response from 10Hz to 50kHz from 1 watt into 4 ohms to full rated power, and shall exhibit distortion of no more than 0.05% of full output. Hum and noise shall be at least 100dB below full rated output power measured 20Hz to 20kHz with 600 ohm input termination, and channel separation shall be greater than 70dB at 1kHz. The amplifier shall be stable into any load configuration with any combination of open or grounded input connection, and shall protect itself and its loudspeaker loads against mismatch, short or open circuits, or any failure which may cause DC offset voltages to appear at its outputs. Muting circuitry shall automatically disconnect loudspeaker loads via relays during power up and power down, and a self-resetting thermal sensing and shutdown system shall be incorporated to protect power transistors against overtemperature operation. Twin, 2-speed cooling fans shall be provided, controlled from the same thermal sensing circuitry. Each amplifier channel shall have a rotary level control accessible from the front panel and carry a signal clip indicator. LED's shall be provided to indicate the status of AC power, bridged mode and protection. Rear panel mounted switches shall be provided to reconfigure the amplifier from stereo to bridged mode operation, and to safely isolate signal ground from chassis and AC ground. Audio input shall be via mirrored XLR connectors, and output via heavy duty binding posts and speakon connectors. The amplifier shall be capable of bridged mode operation thereby providing up to (Note 1) into (Note 1) ohms and supplying a 70 volt distribution system without output matching transformers. The amplifier shall be capable of operation from a 220/240 volt 50Hz AC power source.

The published specifications shall be met or exceeded.
The amplifier shall be a model SR (Note 1) manufactured by C-Audio, Cambridge, England.

Quality assurance programme

This product has been electronically engineered with advanced quality control methods built in. Each unit is tested and aligned against specifications consistent with the highest standards.

Note 1: Insert from Power Rating Table overleaf.

Trade Descriptions Act: C-Audio have a policy of continual product improvement and accordingly reserve the right to change features and specifications without prior notice.

C-AUDIO
POWER AMPLIFIERS

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