

# MUSICAL FIDELITY

## A308<sup>CR</sup> Preamplifier



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### OVERVIEW

The A308<sup>CR</sup> dual mono preamp is superlative. Its noise is incredibly low; its overload margin is ridiculously large; its distortion over a huge bandwidth is less than .005%; its output stage will produce a massive voltage and current swing; and its huge dual mono, choke regulated power supply, with massive capacitance reserve, would be appropriate in a large power amp.

If you wanted to spend ten times the money, you wouldn't find anything to improve markedly on this preamp. We reckon that, without going completely crazy, this is about as good as electronics can get. The build quality is similar to the legendary Nu-Vista series, while its ergonomics, reliability and consistency have been researched to ensure that, unlike its high-end competitors, which are, in any case, unlikely to match the A308<sup>CR</sup> preamp's performance, it will be consistent, reliable and predictable.

### FEATURES & BENEFITS

<b>Very high quality phono stage.</b>	MM and MC phono stage with very low noise, accurate RIAA, wide overload margin and great sound quality.
<b>Very wide overload margin on all inputs.</b>	No input can ever be overloaded by any current signal. Very stress-free listening.
<b>Excellent noise ratios.</b>	Wide dynamic range and improved imaging.
<b>Very high current and voltage output stage, delivering up to about five watts.</b>	Will drive any power amp in existence, with any cable, and always sound completely stress-free because it's never stressed.
<b>Dual mono.</b>	Better transient response and imaging. Also

greater depth of field.

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**Choke regulation.** Incredibly clean power supply lines, because any mains borne interference is eliminated and, as a result, circuitry can operate at its optimum.

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## SPECIFICATIONS

### OUTPUT

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<b>Voltage RMS, maximum</b>	> 30 Volts
<b>Power maximum</b>	> 5 Watts
<b>Peak-to-peak output current</b>	0.5 Amps
<b>Impedence</b>	50 Ohms
<b>Frequency response</b>	20Hz to 20kHz $\pm$ 0dB. 10Hz to 100kHz +0, -1.5dB.

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### LINE OUTPUTS

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<b>Total harmonic distortion + noise, 20Hz to 20kHz</b>	> 0.0035% (5 Volts output, maximum volume).
<b>Signal / noise reference 1 volt RMS output</b>	104dB ('A'-weighted, at half volume)
<b>Input sensitivity for 1 Volt RMS output</b>	240mV
<b>Input impedance</b>	47k Ohms
<b>Gain at maximum volume</b>	12.5dB (4.2 times)
<b>Overload margin</b>	31dB
<b>Channel separation</b>	> 88dB typical at 1kHz, maximum volume

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### PHONO INPUT

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<b>Frequency response reference IEC RIAA</b>	See graph below.
<b>Signal / noise reference 1 Volt RMS output</b>	> 95dB Moving Magnet ('A'-weighted, at half volume). > 85dB Moving Coil ('A'-weighted, at half volume)
<b>Input sensitivity for 1 Volt RMS output</b>	2.5mV Moving Magnet. 350 $\mu$ V Moving Coil.

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<b>Input impedance</b>	47k Ohms
<b>Overload margin</b>	31dB
<b>Inputs</b>	Five pairs line level via RCA connectors. One pair phono MM / MC switchable via RCA connectors.
<b>Outputs</b>	One pair RCA connectors main output controlled by volume. One pair RCA connectors tape record line level output
<b>Power requirements</b>	100/115/230V AC 50/60Hz (factory preset). 20 watts maximum.
<b>Weight</b>	20 kg (44.2 lbs) unit only, unboxed. 23 kg (50.8 lbs) in shipping carton.
<b>Dimensions</b>	440mm (17.3 inches) wide. 143mm (5.6 inches) high including feet. 410mm (16.1 inches) deep including terminals.
<b>Standard accessories</b>	IEC type mains lead. Remote control handset (universal type). Two batteries (AAA, MN2400, LR03).