

# MUSICAL FIDELITY

## A5<sup>CR</sup> Preamplifier

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### OVERVIEW

The A5<sup>CR</sup> preamp is technically the equal of any at any price, except that its overload margin and peak output capacity far exceeds anything else available excepting our own kW preamp. The A5<sup>CR</sup>'s dual mono double choke-regulated system ensures virtually perfect isolation from mains interference. Its distortion is vanishingly low and its noise ratio is excellent. The A5<sup>CR</sup> may have a modest price but its performance is right up there with the best. Don't let your "greed glands" fool you; this baby delivers top notch performance at a fair price. The competition, by contrast, sell extremely expensive sets of snake oil lubricated transparent emperor's clothing. If you're after pure performance then the A5<sup>CR</sup> preamp is for you.

### 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>Dual mono.</b>	Better transient response and imaging. Also greater depth of field.
<b>Dual choke regulation.</b>	Incredibly quiet power supply, allowing the circuit to operate to its optimum. Also excludes mains borne interference.
<b>High current and voltage output stage.</b>	Will drive any power amp cable combination up to about 30 feet in length.

### SPECIFICATIONS

## Output

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<b>Voltage, RMS</b>	29 Volts 20Hz to 20kHz
<b>Voltage, peak-to-peak</b>	84 Volts
<b>Impedance</b>	50 Ohms
<b>Frequency response</b>	20Hz to 20kHz, $\pm 0$ dB

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## Line inputs

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<b>Total harmonic distortion + noise, 20Hz to 20kHz</b>	< 0.01%
<b>Signal / noise ratio reference 1 Volt RMS output</b>	> 100dB 'A'-weighted
<b>Input sensitivity for 1 Volt output</b>	240mV
<b>Input impedance</b>	220k Ohms
<b>Gain at maximum volume</b>	12.5dB (4.2 times)
<b>Overload margin</b>	31dB
<b>Channel separation</b>	> 70dB typical

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## Home Theatre Direct input

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<b>Input sensitivity</b>	Zero gain, not effected by volume control
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## Phono input

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<b>Frequency response reference IEC RIAA -</b>	see graph
<b>Signal / noise ratio ref.1 Volt RMS output</b>	> 94dB 'A'-weighted moving magnet > 88dB 'A'-weighted moving coil
<b>Input sensitivity for 1 Volt RMS output at 1kHz</b>	2.5mV moving magnet 370 $\mu$ V moving coil
<b>Input impedance</b>	47k Ohms
<b>Overload margin</b>	Moving magnet : 31.2dB, Moving coil : 30.9dB

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## General

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<b>Inputs</b>	4 pairs line level RCA connectors, 1 pair (home theatre direct) power amplifier input RCA connectors
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1 pair phono RCA connectors

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**Outputs** 1 pair RCA main output controlled by the volume,  
1 pair RCA tape record fixed line level output.

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**Power requirement** 100 / 115 / 230Volts AC 50 / 60Hz (factory pre-set), 10 Watts maximum

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**Weight** 13.15 kg, 29 lbs unit only, unboxed  
18 kg, 39.5 lbs in shipping carton

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**Dimensions** 440 mm, 17.3 inches wide  
125 mm, 4.9 inches high including feet  
397 mm, 15.6 inches deep including terminals

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**Standard accessories** IEC type mains lead (10-Amp type),  
Remote control (A5 type - universal),  
2 batteries size LR03 or AAA, manganese alkaline type

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