

MUSICAL FIDELITY

A3.2^{CR} Preamplifier

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OVERVIEW

The old A3^{CR} dual mono preamp is still about as good as a preamp can be. Its noise ratio, distortion, bandwidth, overload margin, and stereo separation are almost at the limit of what can be achieved.

It's so good, that the vast majority of so-called high-end preamps, costing up to ten times as much, look pretty pathetic by comparison.

With the A3.2^{CR} preamp, we have made detailed improvements to in-circuit values and layout, and added an extra choke regulation stage to each channel, thus improving power-supply performance. There is a definite, but small, improvement over the old A3^{CR}. The A3.2^{CR} has inherited all the positive attributes of the older product, but is more immediate and has a greater sense of ease of delivery.

FEATURES & BENEFITS

Very high quality phono stage.	MM and MC phono stage with very low noise, accurate RIAA, wide overload margin and great sound quality.
Dual mono.	Better transient response and imaging. Also greater depth of field.
Dual choke regulation.	Incredibly quiet power supply, allowing the circuit to operate to its optimum. Also excludes mains borne interference.
High current and voltage output stage.	Will drive any power amp cable combination up to about 30 feet in length.

SPECIFICATIONS

OUTPUT

Voltage RMS maximum	>27 Volts
Power, maximum	>3.5 Watts
Peak-to-peak output current	0.3 Amps
Impedance	50Ohms
Frequency response	20Hz to 20kHz \pm 0dB 10Hz to 100kHz +0, -2dB,

LINE INPUTS

Total harmonic distortion and noise, 20Hz to 20kHz	> 0.006% (5 Volts output, maximum volume)
Signal / noise reference 1 Volt RMS output	101dB ('A' weighted, at half volume)
Input sensitivity for 1 Volt RMS output	240mV
Input impedance	47k Ohms
Gain at maximum volume	12.5dB (4.2 times)
Overload margin	31dB
Channel separation	> 85dB typical at 1kHz, maximum volume

PHONO INPUT

Frequency response reference IEC RIAA	See graph below
Signal / noise reference 1Volt RMS output	> 94dB Moving Magnet, ('A'-weighted, at half volume). > 83dB Moving Coil, ('A'- weighted, at half volume).
Input sensitivity for 1 Volt RMS output	2.5mV Moving Coil, 2.5mV Moving Magnet. 350 μ V Moving Coil.
Input impedance	47k Ohms
Overload margin	31dB
Inputs	Five pairs line level via RCA connectors. One pair phono MM / MC switchable via RCA connectors.

Outputs One pair RCA connectors main output controlled by volume. One pair RCA connectors tape record line level output.

Power requirements 100 / 115 / 230V AC 50 / 60Hz (factory preset). 20 watts maximum.

Weight 12.5 kg (27.5 lbs) unit only, unboxed.
14.5 kg (31.9 lbs) in shipping carton.

Dimensions 440mm (17.3) inches wide.
100mm, 3.9 inches high including feet.
410mm, 16.1 inches deep including terminals.

Standard Accessories IEC type mains lead.
Remote control handset (universal type).
Two batteries (AAA, MN2400, LR03).
