

NAD

1300 Stereo Preamplifier

Date of manufacture : Jan 87 - Feb 89

Please note that this document contains the text from the original product brochure, and some technical statements may now be out of date



The 1300 was designed for the technically sophisticated audiophile who requires both state-of-the-art sound and a high degree of operating flexibility

For listeners who are committed to the LP as an important source of music, the 1300 contains a high-definition FET-input phono preamplifier with excellent sound-stage imaging and astonishing resolution of inner detail. No trace of slew-limiting or transient distortion can be found, even in high-level signal peaks 25 dB above normal level. Selectable input capacitance and precise RIAA equalisation ensure that the sound of each recording is accurately preserved

Using eight selected low-noise transistors per channel, this MM phono circuit provides unusually effective rejection of radio-frequency Interference from nearby digital circuits, cordless phones, and radio/TV transmitters. It is supplemented by an elegantly simple class-A preamplifier that provides quieter play-back with low-output moving-cod pick-ups than most preamps provide with a high-output MM cartridge

In addition to the features described on the preceding pages, the 1300 includes a special "Null" circuit that electronically subtracts any monaural information from the audio signal. Using this feature, you can easily align your cartridge for perfect electrical balance or adjust your FM antenna for minimum multipath distortion

With its bi-directional taping circuits and a separate EPL circuit for an external processor, the 1300 offers unmatched flexibility. All of its line-level circuits, including its unique volume and tone controls, have the high headroom and ultra-low noise required to accommodate both today's and tomorrow's digital sources. The dynamic range of the 1300, relative to the 2-volt maximum output of a CD player, exceeds 110 dB. But the most important characteristic of this preamp is the simplicity and sonic purity of its primary signal path. Yet its price is surprisingly low in comparison with other preamps that don't sound as good and give you less control.

PRE-AMP SECTION

Phono input

Input impedance (<i>R and C</i>)	MM	47k Ω / 200pF
	MC	100 Ω / 1000pF
Input sensitivity, 1kHz	MM	1.3mV ref. 0.5V
	MC	60 μ V ref. 0.5V
Input overload at 20Hz / 1kHz / 20kHz	MM	20 / 200 / 2000mV
	MC	1.0 / 10 / 100 mV
Signal/Noise ratio (<i>A-weighted with cartridge connected</i>)	MM	80dB ref. 5mV
	MC	78dB ref. 0.5mV
THD (<i>20Hz - 20kHz</i>)		<0.02%
RIAA response accuracy		\pm 0.3dB (<i>20Hz - 20kHz</i>)

Line level inputs

Input impedance (<i>R and C</i>)	100k Ω / 220pF
Input sensitivity ref. 0.5V	80mV
Maximum input signal	12V
Signal/Noise ratio (<i>A-weighted ref 0.5V</i>)	>100dB
Frequency response	\pm 0.3dB

Line level outputs

Output impedance	Normal	50 Ω
	Tape or EPL	1k Ω
	High Level	100 Ω
	Phones	70 Ω
Maximum output level	Tape, Normal & EPL	12V
	High & headphones	15V

Tone controls

Treble	\pm 12dB at 3, 6, or 12kHz
Bass	\pm 12dB at 50, 120 or 250Hz
Bass EQ	+3dB at 55Hz
	+6dB at 36Hz
Infasonic filter (<i>switchable</i>)	-3dB at 14Hz, 18dB/octave

Remote	No
NAD Link	No

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	435 x 84 x 273mm
Net weight	4.3kg
Shipping weight	5kg
Power consumption (120 ~ 240V, 50/60Hz)	20W

Dimensions are of unit's cabinet without attached feet; add up to 18mm for total height.

Dimension depth excludes terminals, sockets, controls and buttons.