

NAD 114

Stereo Pre-Amplifier

- **6 line inputs incl. 2 Tape in/outputs with dubbing facility**
- **Switchable MM and MC phono input**
- **2 line outputs**
- **Gold plated phono and CD input sockets**
- **Gold plated output sockets**
- **Independent headphone amplifier**
- **Tone defeat switch**

Based upon the highly praised NAD106, the model 114 is the latest in the range of NAD high quality / low price pre-amplifiers.

Following in NAD's usual design brief of "sound quality first" the 114 utilises reliable, uncomplicated circuit topology which allows for investment in high specification, close tolerance components such as a large, low noise transformer, metal film resistors, polypropylene capacitors and a precision volume control.

A carefully re-designed PCB layout contributes further to a noise and distortion free performance. The input selectors are operated by push rods and are located as closely as possible to the input sockets to minimise cross talk. Also featuring Gold plated RCA jacks (to give reliable signal transfer), and two tape loops to offer flexibility for tape dubbing in either direction (or the inclusion of a signal processor). Any input may be monitored whilst recording. A gold plated 1/4" jack socket permits most non-electrostatic headphones to be connected to the dedicated headphone amplifier.

Still in demand by music lovers (but often disregarded by other manufacturers) is a good quality phono stage. The phono stage in the 114 is a fine example of what can be achieved at a reasonable price. The phono stage is switchable to allow moving coil or moving magnet cartridges to be used. Metal film resistors, polypropylene capacitors and seven discrete transistors provide extremely low noise performance, precise equalisation and a dynamic range of 105dB.

The tone controls operate simple low noise circuits which offer useful frequency response adjustment without sonic compromise. A tone defeat switch provides a direct signal path to the output. The low output impedance allows the 114 to drive several power amplifiers in parallel and/or the use of long interconnecting cables (without the degradation of the performance that can so often become apparent when long cables are used).



SPECIFICATIONS - NAD 114

Measured in accordance with EIA Standard RS-490 (IHF T-202)

Phono input

Input impedance (R and C)	MM & RC	47K + 200pF
Input sensitivity ref. 0.5V 1KHz	MM	1.5mV
	MC	1mV
Input overload 20Hz/1KHz/20KHz	MM	20mV/200mV/1700mV
	MC	1.3mV/13mV/110mV
Signal to noise ratio (A-weighted with cartridge connected)	MM	76dB ref. 5mV
	MC	76dB ref. 0.5mV
RIAA accuracy	MM	±0.2dB 20Hz - 20KHz
	MC	±0.2dB 50Hz - 20KHz -0.5dB at 20Hz

Line level inputs (CD, Video, Aux, Tuner, Tape1, Tape2)

Impedance (R+C)		20K + 450pF
Sensitivity	ref. 0.5V	80mV
Maximum input signal		>10V
Signal to noise A-weighted		98dB ref. 0.5V
Frequency response (20 - 20kHz in tone defeat mode)		±0.2dB
THD		0.01%

Line level outputs

Output impedance	Pre-amp	220
	Tape	Source Z + 2K
	Phones	120
Maximum output level	Pre-amp	>12V
	Tape	>10V
	Phones	>8V into 600 >250mV into 8
Tone controls		
Treble		±7dB at 10KHz
Bass		±10dB at 50Hz

Physical specifications

Dimensions (W x D x H)	435 x 280 x 80mm
Weight	3.7Kg
Shipping weight	4.4Kg
Power consumption	17W

NOTE: NAD reserves the right to change specifications or design at any time without notice. All specifications are those in effect at time of printing.

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