

NAD 116

Stereo Pre-Amplifier

- **Full Remote Control**
- **6 line inputs incl. 2 Tape in/outputs with dubbing facility**
- **Input switching through relays with Gold Plated contacts**
- **Switchable MM and MC phono input**
- **Balanced XLR outputs; 2 sets RCA line outputs**
- **Gold plated input and output input sockets**
- **Independent headphone amplifier**
- **NAD Link**

With the arrival of the all new NAD Model 116 pre-amplifier you can get the best of both worlds: Ultimate performance combined with the convenience of remote control. Its outward simplicity belies the sophistication of the circuitry inside.

Following in NAD's usual design brief of "sound quality first" the 116 utilises reliable, uncomplicated circuit topology which allows for investment in high specification, close tolerance components such as a large, low noise transformer, gold plated input relays, metal film resistors, polypropylene capacitors and a precision motorised volume control.

Rather than using electronic switching between sources, the NAD engineers have opted for using relays as these will give better performance at this price level. To ensure long term reliability only relays with gold-plated contacts have been used. The input selector relays are located as closely as possible to the input sockets to minimise cross talk and interference. As with the relays, all input and output sockets are gold plated to ensure reliable signal transfer.

Attention to detail is what sets the Model 116 apart. Often other manufacturers disregard the importance of a phono stage. Whereas most pre-amps will use the same power supply feed for both the line and phono stages, NAD has separated these. The phono stage has its own precision regulators and other power supply circuitry. Both MM and MC cartridges can be connected; a switch with gold plated contacts chooses between the two sets of input sockets. Seven discrete transistors per channel provide extremely low noise performance, precise equalisation and a dynamic range exceeding 105dB.

The meticulous PCB design with its star grounding also physically separates the "logic" circuitry (which caters for all the remote control functions) and power supply circuitry from the sound PCBs. As with any NAD product there is ample flexibility available; 4 line inputs and two tape in and outputs allow you to connect all your sources. Copying can be done in both directions.

The low output impedance allows the Model 116 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). Two sets of RCA outputs make it easy to bi-amplify your speakers. The active, fully balanced XLR outputs connect to professional equipment, or can be used in critical domestic applications.

Apart from operating the Model 116, the remote control supplied with the 116 will also operate many other NAD components. The NAD Link sockets provide for communication between the NAD components for complete control.

Often it is said that performance and convenience don't go together, but the NAD Model 116 is the exception to the rule. Despite its reasonable price the Model 116 deserves to be combined with the finest of ancillary components.



SPECIFICATIONS - NAD 116

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

Phono input

Input impedance (R and C)	MM	47k + 200pF
	MC	100 + 50pF
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	100
	Tape	Source Z + 2K
	Phones	120
Maximum output level	Pre-amp	>12V
	Tape	>10V
	Phones	>8V into 600 >250mV into 8

Physical specifications

Dimensions (W x D x H)	435 x 320 x 80mm
Weight	4.2Kg
Shipping weight	5.7Kg
Power consumption	19W

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.