

NAD

1700 Stereo Preamplifier / Tuner

Date of manufacture : Jan 88 - ?

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note that this document contains the text from the original product brochure, and some technical statements may now be out of date



The 1700 delivers the same performance as tuner and preamp separates, but without the considerable cost of a second metal chassis, front panel, power supply circuit, etc. The 1700 offers all of the preamp and tuner features described earlier in this brochure, with the added convenience of a remote control. As a tuner, the 1700 combines ease of operation with excellent sensitivity and accurate, musical sound. Its MOSFET front end and FM-NR quieting circuit deliver clean, noise-free reception of a broad range of signals, while its Narrow I.F. mode singles out difficult stations with ease, even on a crowded dial. With a good broadcast its low-distortion quadrature detector and precise phase-locked loop (PLL) multiplex decoder deliver unsurpassed sound quality across a broad stereo stage.

NAD's Bank Selector gives you new flexibility to program any desired combination of AM and FM stations into the 14 memory presets - for instance, Top-40 broadcasts in one bank and classical music in the other. As a preamp the 1700 offers exceptional operating flexibility with logical controls and an elegantly simple front panel design. Its semi-parametric tone controls, bass equaliser, and feedback operated volume control provide accurate, transparent reproduction of every audio signal. A Phase Invert button reverses polarity; some audiophiles find that this produces more lifelike timbre, more transient impact, and improved stereo imaging.

The remote control selects six inputs, tunes to a station (14 presets or up down seek), adjusts volume, and switches power on off. Remote volume commands activate a miniature motor that turns the Volume control, avoiding the noise and veiling of purely electronic level control circuits.

The 1700 Preamplifier Tuner is especially exceptional when its performance is compared side by side with tuners and preamps costing twice as much.

PRE-AMP SECTION

Phono input

Input impedance (<i>R and C</i>)	MM / MC	47k Ω / 120pF
Input sensitivity, 1kHz	MM	1.4mV ref. 0.5V
	MC	100 μ V ref. 0.5V
Signal/Noise ratio (<i>A-weighted with cartridge connected</i>)	MM	76dB ref. 5mV
	MC	76dB ref. 0.5mV
THD (<i>20Hz - 20kHz</i>)		<0.04%
RIAA response accuracy		\pm 0.5dB (<i>20Hz - 20kHz</i>)

Line level inputs

Input impedance (<i>R and C</i>)	50k Ω / 250pF
Input sensitivity ref. 0.5V	80mV
Maximum input signal	10V
Signal/Noise ratio (<i>A-weighted ref 0.5V</i>)	>100dB
Frequency response	20Hz - 20kHz, \pm 0.3dB

Line level outputs

Output impedance	Normal	600 Ω
	Tape or EPL	1k Ω
	High Level & Phones	150 Ω
Maximum output level	Tape, Normal & EPL	10V
	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 60Hz
	+6dB at 36Hz
Infasonic filter (<i>switchable</i>)	-3dB at 14Hz, 12dB/octave

FM TUNER SECTION

Input sensitivity	Mono -30dB THD+N	10.3dBf (0.9 μ V/75 Ω)
	Mono 50dB S/N	13dBf (1.2 μ V/75 Ω)
	Stereo 50dB S/N	25dBf (5 μ V/75 Ω) FM NR on
		35 dBf (15 μ V/75 Ω) FM NR off
	Stereo 60dB S/N	35dBf (15 μ V/75 Ω) FM NR on
		45dBf (50 μ V/75 Ω) FM NR off
Capture ratio (<i>45 - 65dBf</i>)		<1.5dB
AM rejection (<i>45 - 65dBf</i>)		>65dB
Selectivity	Alternate channel	70dB
	Adjacent channel	7dB
Image rejection		>90dB
I F rejection		>100dB
Harmonic distortion	Mono	0.2%
	Stereo	0.3%
Signal/Noise ratio	Mono	82dB
	Stereo	78dB
Frequency response \pm 0.5dB		30Hz - 15kHz
Channel separation at 1kHz		40dB

AM TUNER SECTION

Usable sensitivity	300 μ V
Selectivity	35dB
Image rejection	50dB
I F rejection	50dB
Signal/Noise ratio	45dB
Harmonic distortion	0.5%
Remote	Yes
NAD Link	No

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	435 x 120 x 293mm
Net weight	6.6kg
Shipping weight	7.6kg
Power consumption (120 ~ 240V, 50/60Hz)	30W

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