

NAD 613

Cassette Deck

- **Dolby HX Pro circuitry improves high frequency response.**
- **Play Trim for play-back compatibility with virtually any tape.**
- **Bias control for high performance with a large range of tapes.**
- **Dolby B & C Noise Reduction circuits.**
- **Electronic tape counter.**
- **Automatic Peak Hold facility on Record level meters.**
- **Repeat and Block Repeat facility.**
- **Headphone jack.**
- **NAD-Link for remote control capability.**

Sonic performance is always the first priority at NAD and the deceptively simple no-frills Model 613 is no exception. The NAD Model 613 may be the only cassette deck in its price range to faithfully reproduce a wide-range CD without dulling its impact.

Features and Circuitry

Rather than incorporating features such as Search facilities, etc. which can degrade the overall sound quality and reliability, the NAD Model 613 offers features which are specifically tailored towards the most common uses for a cassette deck; making high quality recordings and play-back of pre-recorded tapes.

With almost any other deck the results of playing back a pre-recorded tape or tape recorded on a different machine are disappointing, particularly if the tape has been recorded with Dolby NR. The causes for poor playback are multiple; differences in head alignment, wrong bias level; aging of the tape, etc. As a result the noise reducing circuits (Dolby B & C) "mistrack", resulting in dull, un-engaging sound. The Play Trim control provides adjustable boost or cut of the high frequencies before the Dolby Noise Reduction circuits thus eliminating high frequency roll-off and mistracking and thereby restoring flat frequency response and superb playback fidelity.

Other features include the Bias controls which lets you trim the recording bias for accurate response with every type and brand of tape; a digital tape counter with its four digits allows you to find passages on the cassette with great accuracy. The headphone jack lets you monitor play-back or recording, independent from the rest of the system. The entire side of a cassette can be repeated up to five times, the Repeat facility even offers the possibility to repeat a pre-marked section of the cassette, again up to five times.

Thanks to NAD-Link the Model 613 can be remote controlled by one of NAD's universal remote controls which come supplied with other NAD equipment which sports NAD-Link.

The no-compromise electronics - quieter than any tape can be - incorporate Dolby HX Pro circuitry, which together with accurate alignment and high quality heads, improves high frequency response at high recording levels and avoids tape saturation. In combination with the excellent transport the NAD Model 613 offers sophisticated circuitry and technology behind a modest facia, capable of making superb recordings.



SPECIFICATIONS - NAD Model 613

Speed Accuracy	± 1%
Wow and Flutter	<0.06% JIS wtd. RMS <0.1% DIN wtd. peak
Frequency response (Dolby NR off, Record/Playback)	35Hz - 17kHz ±3dB
MPX filter response	Flat within 1dB to 15kHz
Harmonic distortion	Varies with recording level; typically <0.3% at -10dB
THD @ 0dB (Normal tape)	<1.0%
THD @ 0dB (CrO2, Metal tape)	<1.5%
Signal-to-Noise ratio (Ref. 3% THD at 333Hz [biased tape] CCIR/ARM weighting)	58dB (Dolby off) 68dB (Dolby B) 78dB (Dolby C)
Channel separation	40dB @ 1kHz 35dB broadband
Erase	>70dB @ 1kHz
Input sensitivity / impedance	40mV/50k
Maximum input level	25V
Output level @ 0dB	500mV

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	435 x 125 x 290mm
Net weight	5.0kg
Shipping weight	6.6kg

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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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