

# Nakamichi 250

Cassette Player





## FEATURES

### Playback Equalization Switch

A feature never found on automobile cassette players, this switch allows the selection of the proper playback equalization time constant (120 microsecond for Ferric Oxide tapes — 70 microsecond for high coercivity tapes, such as Nakamichi SX, TDK SA or Chromium Dioxide).

### Dolby Noise Reduction System

The 250 incorporates the B type Dolby Noise Reduction playback circuitry, another feature usually missing on automobile cassette players. It can be activated with the Dolby N.R. switch when playing tapes that have been Dolby encoded.

# Nakamichi 250

## Cassette Player

By providing studio level performance in a portable cassette format, the Nakamichi 550 has become living proof of the fact that performance and sound quality need not be sacrificed for portability and compactness. The Nakamichi 250 is a logical extension of the technology developed for the 550. It is Nakamichi's answer to the cries for a high quality out-of-doors playback system. Together with the ADS 2002 system, the 250 provides a high-fidelity cassette playback system wherever there is a 12 volt

DC supply (negative ground only), such as in automobiles, boats or airplanes. The sound quality of the Nakamichi 250/ADS 2002 system must be compared to the best home music systems because as a 12 volt mobile playback system it is decidedly in a class of its own.

The Nakamichi 250 can, of course, be used indoors with the optional AC Adaptor. It is the ideal choice as a second deck for dubbing purposes or as the playback deck in a home with more than one stereo system.



### Choice of Outputs

The two sets of stereo outputs on the 250 provide maximum user flexibility. The "Tape Out" jacks bypass the Volume, Balance and Tone Controls, whereas these controls are effective through the "Pre-amp Out" jacks. The former can be used for connecting the 250 to a preamplifier, amplifier or receiver in a home music system. The latter takes advantage of the 250's built-in preamplifier and, therefore, can be used to drive the ADS 2002 system or the power amplifier in a home playback system.



### Tone Control

The single tone control on the 250 allows the tailoring of sound to suit individual tastes and to adjust for peculiarities in the recording or listening environment.

### Power Supply Regulation

The 250 incorporates a regulation system that keeps fluctuations in the supply voltage from affecting speed stability and sound quality.

### Multiple Power Sources

The 250 may be powered by any 12 volt DC source, such as a car battery or the optional AC adaptor. When the 250 is powered by a source such as a car battery, the ADS 2002 system can draw its power from the special connector provided on the 250's rear panel. The 250 will provide power to the ADS 2002 only when the play button is depressed for maximum conservation of power.

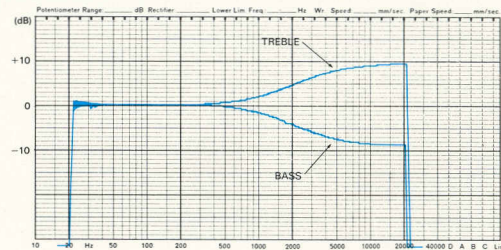


### Specifications

Power Supply	DC12V (AC with AC adaptor)
Tape Speed	1-7/8 ips $\pm$ 1.5%
Wow Flutter	Less than 0.13% (DIN WTD Peak)
Frequency Response	40 - 17,000Hz $\pm$ 3dB (Nakamichi Test Tape)
Signal to Noise Ratio	Better than 62dB (Dolby NR In Wrms CCITT. SX Tape)
Channel Separation	Better than 35dB
Cross Talk	Better than 60dB
Output	580mV (400Hz 200nWb/m, Volume at Max.)
Size	7-1/3" (W) $\times$ 3-1/2" (H) $\times$ 9-1/2" (D) 186m/m(W) $\times$ 90m/m(H) $\times$ 242m/m(D)
Weight	6-2/5 lbs (2.9 kg)

- Specifications and appearance design are subject to change for further improvement without notice.
- Dolby NR under license from Dolby Laboratories Inc.
- The word "DOLBY NR" and the Double-D-Symbol are trademarks of Dolby Laboratories Inc.

### Tone Control Characteristics



### Rugged Mounting Bracket

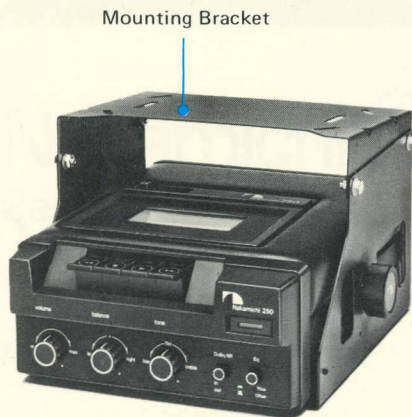
A sturdy two-piece mounting bracket is provided with the 250 for under-dash-board mounting. The 250 can be easily installed in or removed from the bracket by tightening or loosening two large dial knobs. The mounting system is secure and foolproof.

### Full Automatic Shutoff

At the end of a tape (in any mode: play, rewind or fast forward) the 250 will return to the stop mode, thus providing full mechanical disengagement and power shutdown. The power to the ADS 2002 will also be shut off. If the 12 volt supply to the 250 should be interrupted, the transport will automatically return to the stop mode.



- 1 4-Pin DC 12 Volt Car Connector
- 2 Tape Outputs
- 3 Preamp Outputs
- 4 DC 12 Volt Jack
- 5 Tape Counter
- 6 Cassette Lid
- 7 Fast Forward Button
- 8 Play Button
- 9 Stop/Eject Button
- 10 Rewind Button
- 11 Power Indicator Lamp
- 12 Tone Control
- 13 Balance Control
- 14 Volume Control
- 15 Dolby Noise Reduction System Switch
- 16 Playback Equalization Selector Switch



AD-551 AC Power Pack



SX Cassette Tape C-60, C-90



EX Cassette Tape C-60, C-90



EXII Cassette Tape C-60, C-90

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