



An Introduction to JVC's Industry-Leading Tape Deck Technology

TAPES & HEADS

Metal tape recording

Metal tape offers higher output over a broad frequency range, improved high-frequency head-room, and lower noise and distortion.

JVC Flip Reverse Head System for reverse recording/playback

The "Flip Reverse Head System" used in U-Turn auto-reverse decks can maintain uniform response in both directions of tape travel thanks to superb mechanical precision.

The head assembly consists of two basic parts: a head mount base and a rotating head holder. Precision is ensured by use of ruby-tipped azimuth adjustment screws in the "JVC jewel-lock system." At all friction points, a special molybdenum coating is used, so that the head holder will turn silently and smoothly.

The head is mounted to the head holder by a clamp that per-

mits adjustment of head height, to achieve better stability of tape travel, and lower crosstalk.

Ceramic-clad SA (Sen-Alloy) head

JVC's exclusive SA head is perfect for all tape types because of its superb magnetic and physical properties. Our top models use a new Ceramic-clad SA head. A thin ceramic plate prevents the head from magnetizing with use, thus avoiding noise and poor high-frequency response. Also, its porous ceramic surface reduces tape friction and modulation noise.

Three discrete heads for better performance

The three discrete heads for record, play and erase are mounted on solid die-cast blocks, and each has an optimum gap width for best performance. In addition, monitor capability is possible.

ELECTRONICS

Digital Peak Display

The Digital Peak Display shows actual peak levels numerically. Making it possible is a full-fledged microcomputer system complete with analog-digital converters and a 4-bit microprocessor.

(1) Peaks are shown in numbers and held for about 2 seconds, so even highly transient passages from digital sources (i.e. Compact Discs) are accurately read.

(2) Using the dB-calibrated input level controls, the setting of proper levels has never been easier.

(3) Since the display has 1dB resolution from 0 to +12dB, very fine adjustment is possible.

(4) While in operation, the display memorizes the highest peak in a piece of music for instant recall.

Dolby* B/C-type Noise Reduction System

Dolby-C NR provides approximately 15dB of noise reduction at 500Hz, and up to 20dB at frequencies between 1kHz and 10kHz. Furthermore, high-frequency linearity is improved: at 10kHz (re +3dB above 0VU), MOL (Maximum Output Level) is increased by 4dB. By using Dolby C NR, high-frequency response is also improved. We've included Dolby-B NR, which improves the signal-to-noise ratio by 5dB at 1kHz and by 10dB at 5kHz and above.

Other features

- Multicolor spectro-peak indicator (SPI).
- Two-color fluorescent level meters.
- LED Multi-Peak Indicator (MPI).
- MPX filter.

*"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

