

AKAI

4000DS Mk-II

STEREO
TAPE
DECK

One-Micron Gap Head

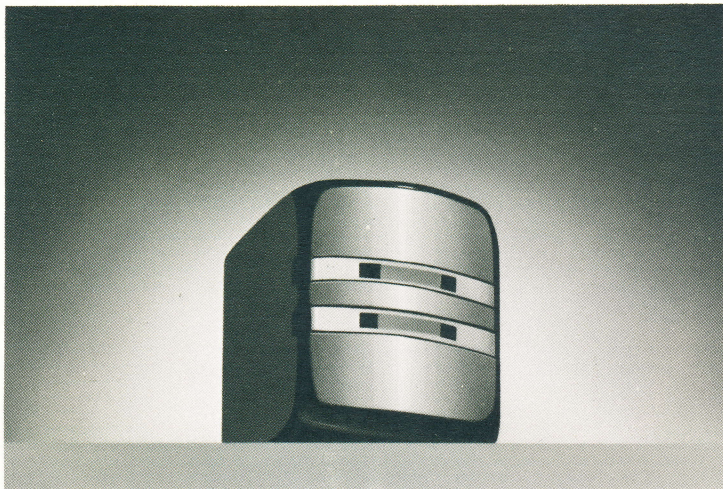
Sturdy three head system stereo tape deck. Features dependable 2-level control system and robust construction. Varied recording techniques. Stable operation.



- STEREO AND MONAURAL RECORDING/PLAYBACK SYSTEM.
- INDIVIDUAL MICROPHONE AND LINE INPUT LEVEL CONTROLS FOR SOUND MIXING.
- Accumulate individual recordings on a single track with SOUND-ON-SOUND.
- Compare speech with SOUND-WITH-SOUND.



STABLE TAPE TRAVEL AND CLEAR SOUND PLAYBACK WITH EFFICIENT INDUCTION MOTOR AND ONE-MICRON GAP HEAD



The employment of a highly efficient induction motor and boldly designed flywheel in this model results in stable tape travel and reduced wow and flutter. This feature coupled with a three head system including Akai's one-micron gap playback head assures clear sound playback.

TAPE SELLECTOR SWITCH FOR USE OF HIGH GRADE TAPE

A Tape Selector Switch changes recording bias, recording equalization, recording level, and playback equalization according to the tape being used. While high performance Low Noise Tape is standard for this machine, frequency response range is further extended through the use of Chromium Dioxide Tape.

EXPANDED VU METER SCALES FOR ACCURATE LEVEL INDICATION

Illuminated expanded scale VU Meters provide quick and accurate determination of recording and playback levels.

AUTOMATIC SHUT-OFF FOR OPERATING SAFETY

When the 4000DS Mk-II is set for automatic shut-off, the power of the entire unit is turned off at the end of the tape. Especially convenient when the unit is left unattended.

SOUND MIXING

A built-in microphone-line mixing circuit and independent line and microphone input level controls facilitate sound mixing from separate sources. Record your own vocal arrangement accompanied by your favorite orchestra and many other interesting musical compilations.

SOUND-ON-SOUND

Accumulate as many individual recordings on a single track as is desired. The recording from one monaural track can be transferred to the opposite track and another recording added while monitoring through headphones. Convenient for fun or professional use.

SOUND-WITH-SOUND

Among the many uses to which Sound-With-Sound can be applied is language training. For instance, record the teachers voice on one track and rewind tape. Then record your own repetitive voice on the opposite track while monitoring through headphones. Playback and compare.

DUAL MONITORING

TAPE/SOURCE Monitor Switch enables the operator to compare just-recorded signals with signal source for more professional recording results.

PAUSE CONTROL FOR EASY TAPE EDITING

Instantly suspends tape travel. Simply lift Pause Lever when a certain part of a program is not desired, Easy Start Button release.

BUILT-IN REEL RETAINERS

Pulling outward and turning to left or right locks reels firmly into place.

4-DIGIT INDEX COUNTER WITH RESET BUTTON

RECORDING INDICATOR LAMP

STANDARD ACCESSORIES

- Connection Cord1
 - Spare Fuses 1 set
 - Operator's Manual1
- *Spare fuses not included with CEE, CSA, UL and LA standard models.

TECHNICAL DATA

| | |
|---------------------------------|--|
| Track System | 4 track, 2 channel stereo/monaural system |
| Reel Capacity | Up to 7" reel |
| Tape Speed | 7-1/2 and 3-3/4 ips ($\pm 2\%$) |
| Wow and Flutter | Less than 0.12% WRMS at 7-1/2 ips; Less than 0.15% WRMS at 3-3/4 ips |
| Frequency Response | 30 Hz to 23,000 Hz (± 3 dB) at 7-1/2 ips using AKAI LN-150-7 Tape; 30Hz to 16,000 Hz (± 3 dB) at 3-3/4 ips using AKAI LN-150-7 tape |
| Distortion | Less than 1% (1,000 Hz "O" VU) using low noise tape |
| Signal-to-Noise Ratio | Better than 56 dB (measured via tape with peak recording level of +6 VU) |
| Erase Ratio | Better than 70 dB |
| Bias Frequency | 100 kHz |
| Heads | (3): 1 one-micron gap playback head, 1 recording head, 1 erase head |
| Motor | 4-pole induction motor |
| Fast Forward and Rewind Time | 200 seconds using a 1200 ft tape |
| Output Jacks | Line (2): 0.775V ("O"VU) Required load impedance: More than 50 k ohms |
| Input Jacks | Phone (1): 30 mV/8 ohms Microphone (2): 0.55 mV/30 k ohms Line (2): 50 mV/200 k ohms |
| Din Jack | 0.5 V/3 mV |
| Semi Conductors | Transistors 19, Diodes 5 |
| Power Requirements | USA and Canada Models: 120V, 60 Hz only CEE Models: 220 V, 50 Hz Other Models: 100 to 240 V, 50/60 Hz (Switchable) |
| Power Consumption | 40 W |
| Dimensions | 407 (W) x 314 (H) x 196 (D)mm (16 x 12.4 x 7.7") |
| Weight | 11.1 kg (24.4 lbs) |

* For improvement purposes, specifications and design are subject to change without notice.

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