

# AKAI

# 4000DS Mk-II

STEREO  
TAPE  
DECK

### One-Micron Gap Head

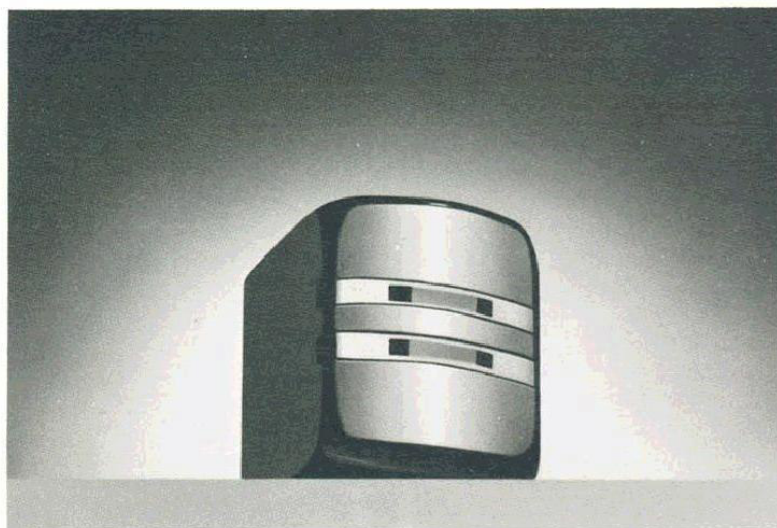
Sturdy three head system stereo tape deck. Features dependable 2-lever control system and robust construction. Varied recording techniques. Stable operation.



- 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 SELECTOR 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 Cord .....1
  - Spare Fuses ..... 1 set
  - Operator's Manual .....1
- \*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 (±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. C19MA75070875B2

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