

TOP ENGINEERING..... MODEL M-8



Only Akai's exclusive CROSS-FIELD HEAD is capable of recording real high fidelity music at 1-7/8 ips.

Only Akai's exclusive VERTICAL STEREO fills "the hole in the middle" creating a new era in stereophonic sound reproduction.

Only Akai's exclusive multiple adjustment head allows simplified SOUND ON SOUND recording.

AKAI MODEL M-8

4-SPEED, 4-TRACK STEREOPHONIC
MONOPHONIC TAPE RECORDER

CHECK FOR ALL THESE NEW FEATURES!!

- * Cross-field head
- * 4 hours of stereo recording capacity with a conventional 1,200 feet tape
- * Automatic shut-off switch
- * Vertical center speakers
- * Easy sound on sound recording
- * Specially biased for recording of FM multiplex
- * New high speed fast forward/rewind (1,200 feet in only 75 seconds)
- * Simple change-over for requested AC power
- * 2-speed 24-slot wave wound hysteresis synchronous motor
- * 4 speeds (1-7/8, 3-3/4, 7-1/2 and 15 ips)
- * Instant stop control
- * 4-digit index counter
- * Large VU meters
- * Perfect ventilating system
- * Vertical or horizontal operation
- * Tape cleaner
- * Provision for stereophones

MANUFACTURED & DISTRIBUTED BY
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AKAI TRADING CO., LTD.

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Ohta-ku, Tokyo
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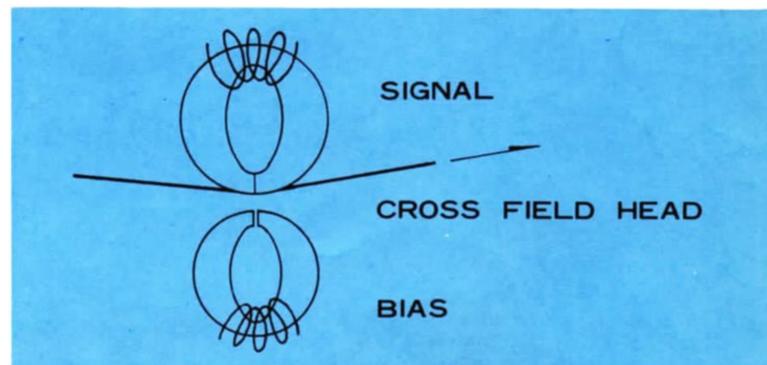
AKAI MODEL M-8

4-SPEED, 4-TRACK STEREO/PHONIC MONOPHONIC TAPE RECORDER

CROSS-FIELD HEAD

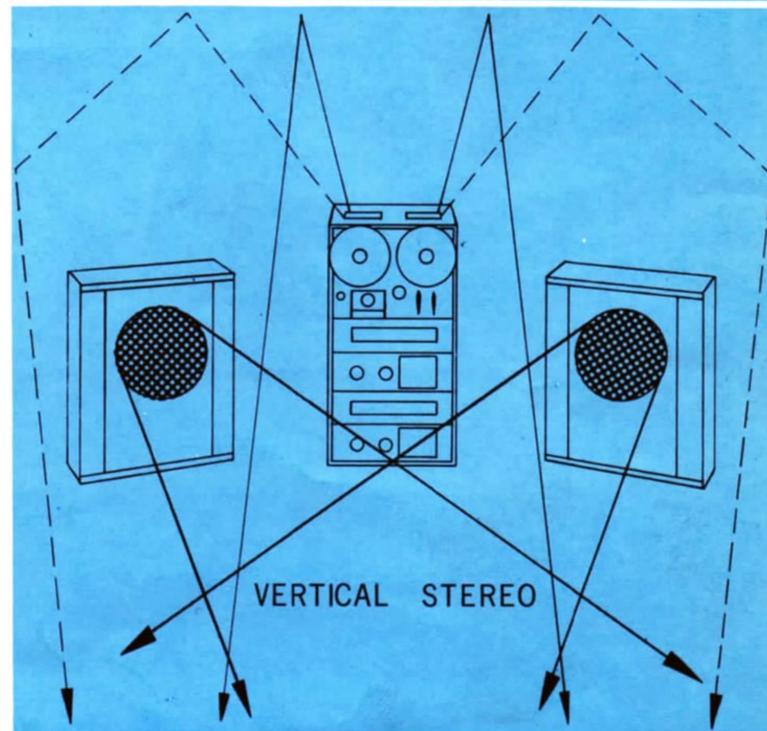
Cross-field head is the name given to a system in which two heads are employed facing each other with the tape in between. Recording is performed from the intercrossed magnetic fields obtained from the two heads. Development of this head has made a wide range of recording possible. This superhigh performance head was first developed for practical use by Akai.

This head provides a surprising recording performance (13,000 cps at a tape speed of 1-7/8 ips, 20,000 cps at 3-3/4 ips, and 40,000 cps at 7-1/2 ips). A special alloy is used for the holder section of the record-playback head and dropout and fadeout are reduced to lower values than in any other 4 track tape recorder. Hence, a stabilized status is maintained at all times. The cross-field head used for bias does not directly touch the tape and thus does not wear.



VERTICAL STEREO SYSTEM

The vertical stereo system obtains stereo sound with three dimensions by adding a sound source in the vertical direction to a conventional stereo system. In the Model M-8, two internal loudspeakers installed in the upper part of the cabinet are designed to produce a sound source in the vertical direction with sounds of the loudspeakers reflected from the ceiling. With the Model M-8 in the center and other loudspeakers at the right and left side, stereo sounds emanating from four loudspeakers fill the room. A realistic feeling is obtained in any part of the room, just as in a concert hall.



SOUND-ON-SOUND DEVICE

A special sound-on-sound device is provided in the Model M-8, by which this equipment can be efficiently used to study foreign languages or to make a duet or trio type recording from the voice of one person.

TAPE CLEANER

An Automatic Tape Cleaner and Lubricator that constantly keeps tape and heads free of dust and oxide powder and, at the same time, prevents annoying tape squeak.

SPECIFICATIONS

POWER SUPPLY	100-240 volts A.C. 50/60 cycle	FAST FORWARD AND REWIND TIME	90 seconds for either operation using a 1,200 feet recording tape at 50 cycle (75 seconds at 60 cycle)
POWER CONSUMPTION	100 W.	FREQUENCY RESPONSE	30 to 25,000 cps at 7-1/2 ips ± 3 db. 40 to 21,000 cps at 7-1/2 ips ± 3 db. 40 to 18,000 cps at 3-3/4 ips ± 4 db. 40 to 10,000 cps at 1-7/8 ips
RECORDING SYSTEM	4-track stereo/monaural, cross-field bias system	EQUALIZATION	Correct equalization for playback of tapes recorded to the NARTB curve
RECORDING LEVEL INDICATOR	VU meter with illumination lamp × 2	MUSIC POWER	6 watts at maximum, on each channel (12 W total)
TAPE SPEED	7-1/2, 3-3/4 and 1-7/8 ips (15 ips adaptor mainly for high-speed tape duplication)	VACUUM TUBES USED	6267 (EF86) × 2, 12AD7 (12AX7) × 2 6BQ5 × 2, 6X4 × 2, 6AR5 × 1
MOTOR USED	Hysteresis synchronous motor, 2 high speeds Dynamic balance, perfect adjustment	LOUD SPEAKERS USED	4" loudspeaker × 2
DISTORTION	Within 2% at 1,000 ips OVU, total harmonic distortion	DIMENSIONS	20" H × 13" W × 9" Deep, case closed
WOW AND FLUTTER (Playback only)	Less than 0.15% rms at 7-1/2 ips Less than 0.25% rms at 3-3/4 ips Less than 0.35% rms at 1-7/8 ips	WEIGHT (NET WITHOUT CARTON)	47.3 lbs without accessories