

CS-50D

SUPER CASSETTE
STEREO
TAPE DECK



AKAI has done it again! The CS-50 with "INVERT-O-MATIC" is the first Cassette Tape Deck in the world capable of Reverse Recording and Playback.

Unbelievable sound quality.
Frequency Response 30 to 16,000 Hz.

Completely automatic Push Button Controls.
Fine Walnut Cabinet.
Outstanding Design.

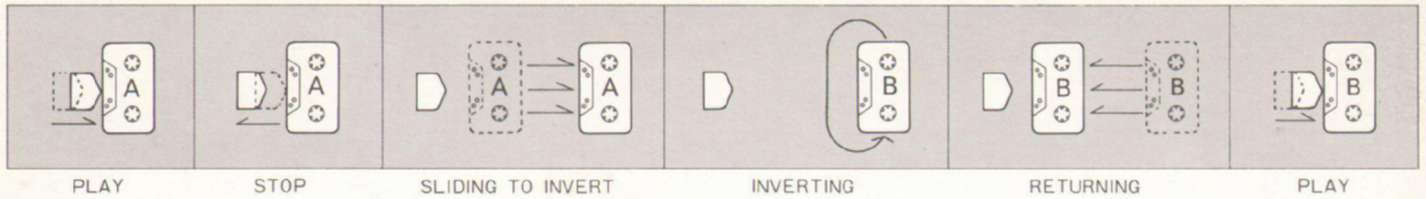
OUTSTANDING FEATURES

- Invert-O-Matic (automatic and manual reverse)
- High Frequency Response (30 to 16,000 Hz)
- Wow/Flutter less than 0.2%
- S/N Ratio better than 45 dB
- Automatic Stop/Automatic Shut-Off (cuts off power of unit)
- Continuous Reverse
- Push Button Control Panel (Record, Rewind, Stop, Play, Fast Forward)
- Pause Control
- Slide Type Volume Controls
- Cassette Eject Button
- "See through" window for determining tape position
- Two IC (Integrated Circuits)
- Universal Voltage Selector and Cycle Conversion Switches
- Two VU Meters
- Index Counter with Reset Button
- Microphone, DIN, Stereo Headphone Jacks and Line Input and Output Pin Jacks.

AKAI®

MANUFACTURED & DISTRIBUTED BY AKAI ELECTRIC CO., LTD. / AKAI TRADING CO., LTD.

AKAI CS-50D



INVERT-O-MATIC (Inverts Cassette Tape Automatically or Manually)

(Patents pending in 11 countries)

AKAI engineers have investigated and developed ways of perfecting all of the weak points in cassette recording and playback. These improvements made from every angle have been concentrated in the most "up-to-date design" to bring you the World's First top rate performance AKAI Cassette INVERT-O-MATIC Tape Deck.

The INVERT-O-MATIC is an epoch-making automatic reversing system. By the mere pressing of a button, the cassette will reverse itself automatically inside the tape deck. This system will not only do away with the trouble of setting the cassette by hand in future, but the new tape movement mechanism is simplified and because of the stability mechanism and high performance, this new device produces amazingly true Hi-Fi sound.

By depressing the Auto Button during playback, continuous reverse is actuated (at the end of the tape, the cassette will automatically invert and playback will continue for as long as is desired). When the Manual Reverse Button is depressed, instant manual reverse is effected.

AKAI is the World's First to succeed in developing automatic and manual reverse applicable during recording. With this new mechanism, a C-120 cassette tape will accommodate two hours of uninterrupted recording.

THREE AUTOMATIC MECHANISMS

1. Automatic Shut-Off

The CS-50D can be set to cut off the electric power of the entire unit at the end of the tape.

2. Automatic Stop (Patents pending in 11 countries)

The CS-50D can be set to stop tape movement at the end of the tape.

3. Automatic Reverse

When the Auto Button is depressed, at the end of the tape the cassette will automatically invert, enabling you to listen to your favorite music for as long as you like.

Slot Loading (Patents pending in 11 countries)

The CS-50D employs the very simplest and easiest loading method. Just insert cassette into slot provided. For removal of cassette, simply press the Cassette Eject Button.

A WONDERFUL COMBINATION

The CS-50D employs a 4-Track Stereo Recording and Playback System. For playback, an external power amplifier and a pair of Hi-Fi Speakers are required. AKAI Models AA-6300 (Amplifier) and SW-125 (Speakers) are highly recommended. This combination is shown on reverse side.

STANDARD ACCESSORIES

Connection Cord (DR-110).....1
Operator's Manual1

PERFORMANCE SPECIFICATIONS

Tape Speed	: 1 7/8 ips	Din Output Level	: 0.4 V
Tape Speed Deviation	: Within $\pm 2\%$	Stereo Headphone Impedance	: 8 Ω
Wow and Flutter	: Less than 0.2% RMS.	Line Input Impedance	: 220 k Ω
Frequency Response	: 30 to 16,000 Hz (± 3 dB)	Din Input Level	: 3 mV
S/N Ratio	: Better than 45 dB RMS	Din Input Impedance	: 25 k Ω
Distortion	: (1,000 Hz "0" VU Recording) Within 2%	Mic Input Level	: 0.2 mV
Erase Ratio	: Less than -70 dB	Mic Input Impedance	: 4.7 k Ω
Recorded Bias Frequency	: 100 kHz	Monitor System	: Stereo Headphones
Recording Level Indicator	: 2 VU Meters	Recording Capacity	: 2 hrs. stereo recording using a C-120 cassette tape.
Recording/Playback Head	: (Type) In-Line 4-track Stereo (Impedance) 1,100 Ω at 1 kHz	Motor	: Outer-rotor synchronous motor
Erase Head	: (Type) In-Line 4-track Stereo (Impedance) 730 Ω at 100 kHz	Transistors	: 11 Silicon transistors
Recording System	: AC Bias System	Diodes	: 8
F. Fwd and Rewind Time	: 75 seconds using a C-60 (300ft.) Cassette tape.	IC	: 2
Line Output Level	: 1.3V ("0" VU) for tape recorded at "0" VU	Power Supply	: 100 V to 240 V AC : 50/60Hz
Line Output Impedance	: 10 k Ω	Power Consumption	: 25 W
		Dimensions	: 15"(W) \times 6 1/4"(H) \times 11 1/4"(D) (375 \times 160 \times 287mm)
		Weight	: 15.8 lbs. (7.84kg)

The AKAI policy is one of continual development and improvement. For that reason, AKAI reserves the right to change specifications without notice, and without incurring any obligation relating to models previously manufactured by them.

MANUFACTURED & DISTRIBUTED BY
AKAI ELECTRIC CO., LTD.
AKAI TRADING CO., LTD.

2-12-14, Higashi-Kojiya,
Ohta-ku, Tokyo, Japan