

CS-50

SUPER CASSETTE STEREO TAPE RECORDER



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

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

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

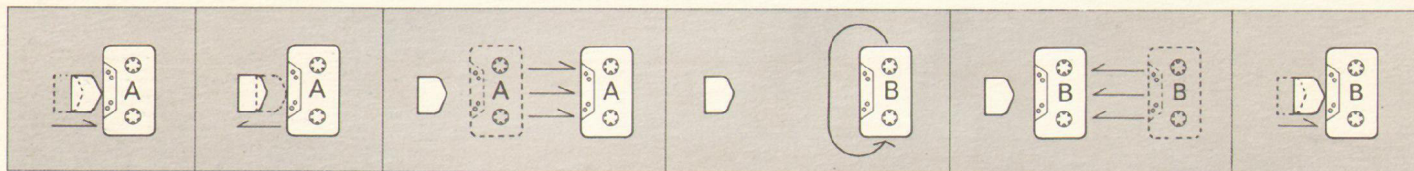
OUTSTANDING FEATURES

- 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
- 16W Total Music Power
- 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 Tone and 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, Line Input and Output Pin Jacks, and External Speaker Jacks.

AKAI®

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AKAI CS-50



PLAY

STOP

SLIDING TO INVERT

INVERTING

RETURNING

PLAY

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 Recorder.

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 recorder. 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-50 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-50 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 besides Japan)

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

STANDARD ACCESSORIES

Microphones (ASM-1)	2
Double Microphone Stand	1
Cassette Demonstration Tape	1
Operator's Manual	1

PERFORMANCE SPECIFICATIONS

Tape	: 17/8 ips
Tape Speed Deviation	: Within $\pm 2\%$
Wow and Flutter	: Less than 0.2% RMS.
Frequency Response	: 30 to 16,000 Hz ($\pm 3\text{dB}$)
S/N Ratio	: Better than 45 dB RMS.
Distortion	: (1,000 Hz "0" VU Recording) Within 2%
Erase Ratio	: Less than -70 dB
Output Power	: 8W music power each channel. (total 16W)
Recorded Bias Frequency	: 100 kHz
Recording Level Indicator	: 2VU Meters
Recording/Playback Head	: (Type) In-Line 4-track Stereo (Impedance) 1,100 Ω at 1 kHz
Erase Head	: (Type) In-Line 4-track Stereo (Impedance) 730 Ω at 100 kHz
Recording System	: AC Bias System
Fast Forward and Rewind Time:	: 75 seconds using a C-60 (300 ft.) Cassette tape.
Line Output Level	: 1.3V ("0" VU) for tape recorded at "0" VU

Line Output Impedance	: More than 10k Ω
Din Output Level	: 0.4 V
Stereo Headphone Impedance:	8 Ω
Line Input Impedance	: 220 k Ω
Din Input Level	: 3 mV
Din Input Impedance	: 25 k Ω
Mic Input Level	: 0.2 mV
Mic Input Impedance	: 4.7 k Ω
Monitor System	: Stereo Headphones
Recording Capacity	: 2 hrs. stereo recording using a C-120 cassette tape.
Motor	: Outer-rotor synchronous motor
Transistors	: 19 Silicon transistors
Diodes	: 9
IC	: 2
Power Supply	: 100 V to 240 V AC : 50/60Hz
Power Consumption	: 60W
Dimensions	: 15"(W) X 6 1/4"(H) X 11 1/4"(D) (375 X 160 X 287mm)
Weight	: 19.6 lbs. (8.9 kg)

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.

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