

# GX-370D

STEREO TAPE DECK

OPERATOR'S MANUAL



**AKAI**®

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

CEE, CSA, and UL Standard models are not equipped with a Voltage Selector or Cycle Conversion Switch. Therefore, voltage and cycle conversion is not necessary. If your machine corresponds to any of these standards, please disregard all references to voltage and cycle adjustment throughout this manual.

CEE Models : 220 V, 50 Hz.  
CSA Models : 120 V, 60 Hz.  
UL Models : 120 V, 60 Hz.

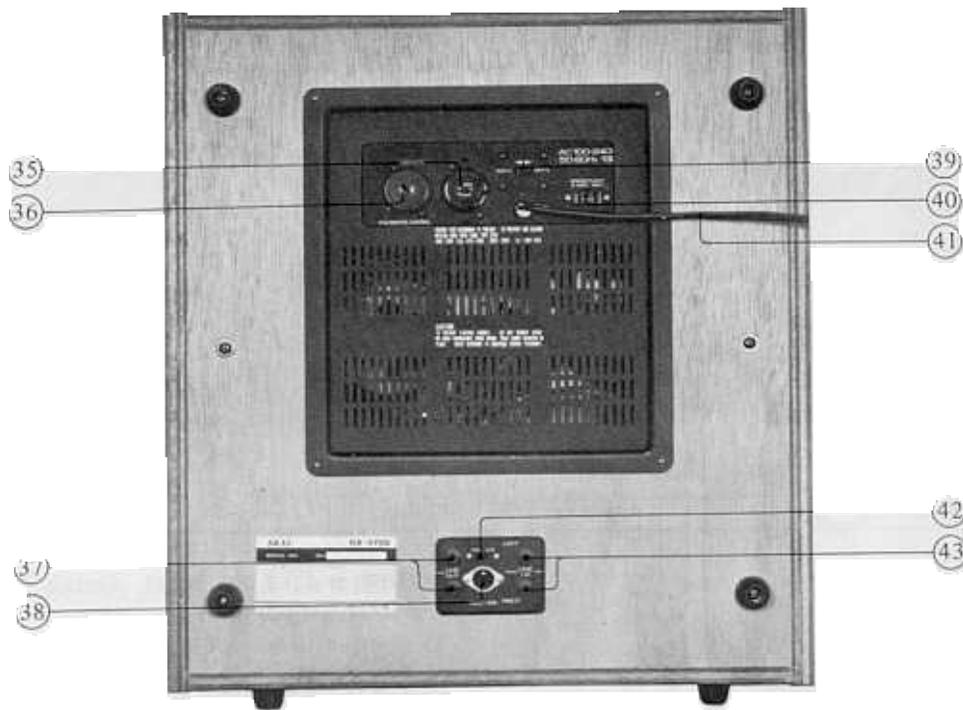
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## CONTROLS

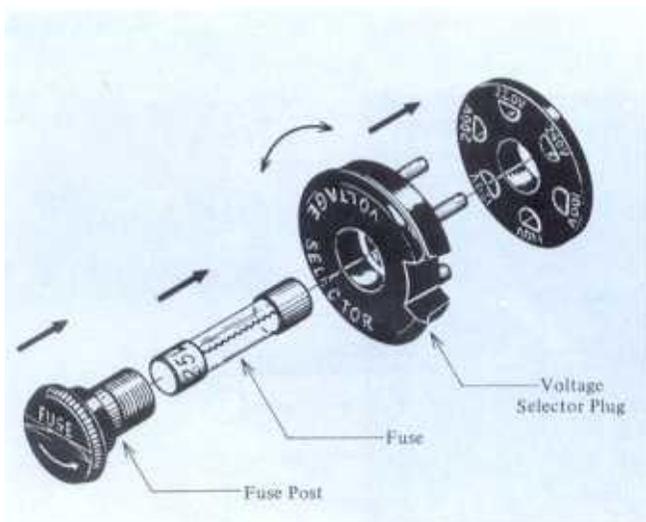


1. **INDEX COUNTER & RESET BUTTON**
2. **RECORDING INDICATOR LAMP**
3. **REEL TABLE (left)**
4. **BUILT-IN REEL RETAINER**  
Locks reel firmly into place.
5. **HEAD COVER**  
Houses GX Heads (reverse record/erase, normal/reverse playback, and normal record/erase).
6. **TENSION ARM**
7. **IMPEDANCE ROLLER**  
Improves wow and flutter characteristics.
8. **PAUSE BUTTON & INDICATOR LAMP**  
Convenient for use in temporarily suspending tape travel during recording or playback operation.
9. **POWER SWITCH & POWER INDICATOR LAMP**
10. **COMPUTE-O-MATIC SET BUTTON & RECORDING LEVEL INDICATOR**  
For details, please refer to Compute-O-Matic procedure, page 6.
11. **TAPE SPEED SELECTOR SWITCHES**  
Depress corresponding switch for desired speed. 7-1/2 and 3-3/4 ips.
12. **TAPE SELECTOR SWITCH**  
Depress only when using Akai S.R.T. (super range tape) or other make low noise tapes.
13. **LINE OUTPUT LEVEL CONTROLS (left & right)**  
Adjusts line output volume and headphone volume at playback time.
14. **VU METER (left)**  
Indicates left channel recording and playback levels.
15. **HEADPHONE JACK**  
For monitoring or private headphone listening. Use stereo headphones of 8  $\Omega$  impedance.
16. **TRACK SELECTOR SWITCH**  
LEFT: tracks 1-4; RIGHT: tracks 3-2; Depress both switches for stereo performance.
17. **RECORDING SAFETY BUTTON**  
For effecting recording mode, while holding this button at depressed position, depress FWD (normal recording) or REV (reverse recording) Button.
18. **CAPSTAN**  
Transports tape.
19. **REEL TABLE (right)**
20. **BUILT-IN REEL RETAINER**  
Locks reel firmly into place.
21. **REWIND KEY**  
Depress to rewind tape at high speed.
22. **PINCH WHEEL**  
Presses against capstan to transport tape.
23. **SENSING POLES (normal to reverse)**
24. **SHUT-OFF LEVER & SENSING POLE (reverse to normal)**
25. **REVERSE KEY**  
Depress to change direction of tape travel from normal to reverse.



- 26. AUTOMATIC STOP/SHUT-OFF SWITCH**  
Set to IN position for automatic shut-off, and leave at OUT position for automatic stop.
- 27. STOP KEY**  
Depress to stop tape travel.
- 28. FAST FORWARD KEY**  
Depress to advance tape at high speed.
- 29. FORWARD KEY**  
Depress to advance tape in normal direction.
- 30. MICROPHONE RECORDING LEVEL CONTROLS (left & right)**  
Adjust microphone recording level controls while observing VU Meters.
- 31. MICROPHONE JACKS (left & right)**
- 32. MONITOR SELECTOR SWITCHES (tape & source)**  
For playback or for monitoring recorded signals during recording, set to TAPE position; For monitoring source during recording, set to SOURCE position; For sound-on-sound operation, see Sound-On-Sound Recording procedure.
- 33. LINE RECORDING LEVEL CONTROLS (left & right)**  
Adjust line recording level controls while observing VU Meters.
- 34. VU METER (right)**  
Indicates right channel recording and playback levels.
- 35. UNIVERSAL VOLTAGE SELECTOR & FUSE POST**  
Offers six stages of voltage for worldwide operability. Please refer to Voltage & Cycle Conversion procedure, page 4.

- 36. REMOTE CONTROL SOCKET**
- 37. LINE OUTPUT JACKS (left & right)**  
Connects to Tape In or Aux Jacks of external amplifier for playback.
- 38. DIN JACK**  
Enables inter-connection with an external amplifier with a single Din Cord.
- 39. CYCLE CONVERSION SWITCH**  
Set to 50 Hz or 60 Hz according to area power source.
- 40. AC OUTLET**  
This unswitched AC Outlet is not connected to the Power Switch (power is applied even with the unit turned off). However, this outlet is inter-locked with the front panel Automatic Shut-Off Switch, so that if another machine is connected to this outlet and the Automatic Shut-Off Switch is depressed, the power of both units will be cut off when automatic shut-off is effected.
- 41. AC CORD**
- 42. DIN HIGH/LOW INPUT SWITCH**  
When using Din Jack, if output level of external amplifier is more than 70 mV, set this switch to HIGH, and if output level is less than 70 mV, set to LOW position.
- 43. LINE INPUT JACKS (left & right)**  
Connects to output jacks of external source.



## VOLTAGE & CYCLE CONVERSION

### Voltage

This model is equipped with a built-in step-down transformer offering six stages of power voltage from 100 V to 240 V AC for world-wide operability. The voltage is preset at the factory according to destination. However, the operator is requested to check the setting prior to operation and if necessary, adjust as follows : (A) Remove Fuse Post by turning in direction of arrow. (B) Reset Voltage Selector Plug so that proper area voltage shows through the Plug cut-out. (C) Change fuse according to voltage : 100 V to 120 V : 1.5 A, 125 V fuse ; 200 V to 240 V : 1 A, 250 V fuse. (D) Tighten Fuse Post.

\* Be sure to disconnect power cord before attempting to readjust voltage.

\* The line voltage should be held within a 10% deviation of standard area voltage.

### Cycles

Correct tape speed cannot be obtained if the Cycle Conversion Switch on rear panel is not properly positioned. Set to 50 Hz or 60 Hz according to area power source.

## TAPE SPEED SELECTION

This model can be operated at either 7-1/2 or 3-3/4 ips tape speed. Simply depress Tape Speed Selector Switch according to desired speed. The recording time with an 1800 ft. tape is as follows : (stereo) 3 hrs at 3-3/4 ips ; 1.5 hrs. at 7-1/2 ips ; (monaural) 6 hrs. at 3-3/4 ips ; 3 hrs. at 7-1/2 ips.

## DIRECT FUNCTION CHANGE SYSTEM

This model employs a direct function change control system for speedy mode selection. The necessity of depressing the Stop Key before changing modes is eliminated. Further, the controls are equipped with individual colored lights which indicate each operating mode.

\* When extremely thin tape of over 2,400 ft. in length is used, to avoid tape damage, it is imperative that the Stop Button be depressed before changing modes.

## FAST FORWARD & REWIND

For rapid forwarding of the tape, depress Fast Forward Key, and for rapid rewinding of the tape, depress Rewind Key. This feature enables fast selection of your favorite programs.

## AUTOMATIC STOP & SHUT-OFF

One of the exclusive features of this model is the automatic stop and shut-off functions of the unit. For automatic stop (to stop reel movement at the end of the tape), leave the Automatic Stop/Shut-Off Switch at OUT position. For automatic shut-off (to cut off the power of the entire unit

at the end of the tape), depress the Automatic Stop/Shut-Off Switch to IN position.

\* If automatic shut-off is desired after one complete reverse cycle, affix sensing foil to outside of tape at desired reversing point and depress the Automatic Stop/Shut-Off Switch.

\* If automatic continuous reverse is desired, apply sensing foil to the outside of the tape for normal to reverse operation, and to the inside of the tape for reverse to normal operation, at desired reversing points and leave the Automatic Stop/Shut-Off Switch at OUT position. Note that in this case, if the Automatic Stop/Shut-Off Switch is depressed, automatic shut-off will be effected at the end of one complete reverse cycle and the power of the entire unit will be cut off.

\* The AC Outlet at the rear of the recorder is inter-locked with the Automatic Stop/Shut-Off Switch so that if another machine is connected to this outlet and the Automatic Stop/Shut-Off Switch is depressed, the power of both units will be cut off when automatic shut-off is effected.

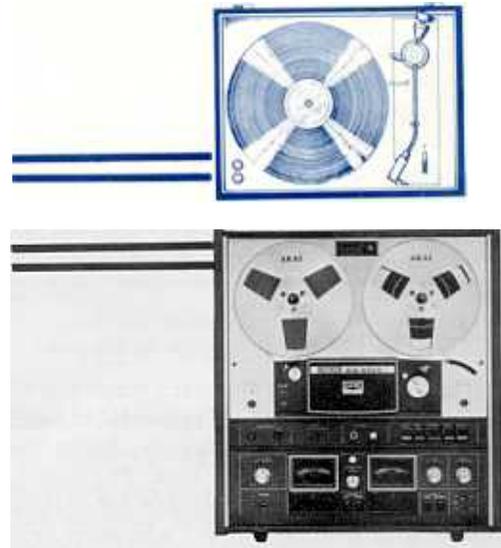
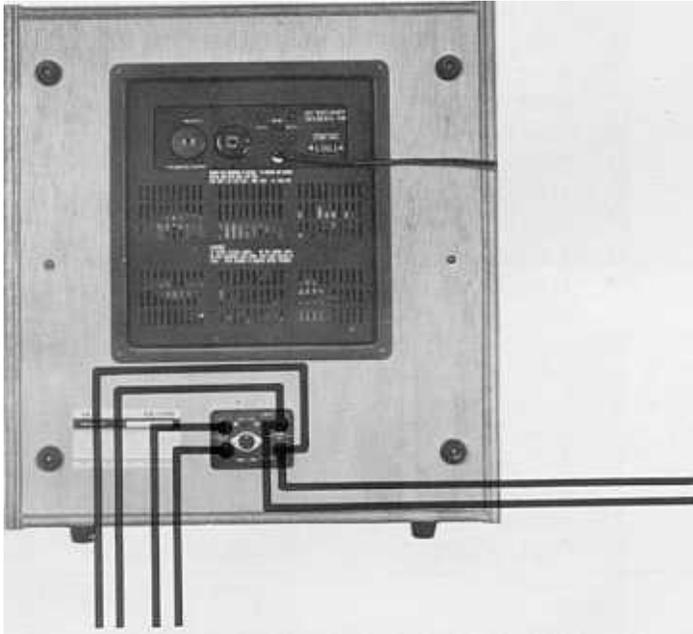
## PAUSE CONTROL

This model is equipped with a Pause Button for momentarily stopping recording or playback function. Pause control is especially convenient for editing tapes ; i.e., when a certain portion of the program is not desired, depress the Pause Button. Note that the Pause Indicator Lamp will light. Simply depress again to release.

## REMOTE CONTROL

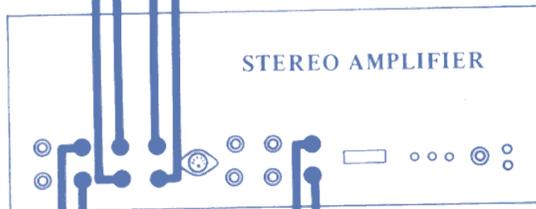
All operating functions of this model can be remote controlled by using Akai Remote Control unit RC-16 optional accessory. Plugs into Remote Control Socket on rear panel.

## CONNECTIONS



To  
TAPES REC  
Jacks

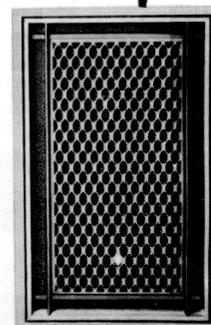
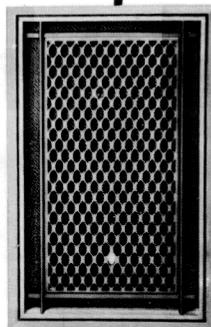
To TAPES PB Jacks



STEREO AMPLIFIER

To PHONO Jacks

To Speaker Jacks



## OPERATING PRECAUTIONS

The following conditions do not indicate mechanical failure of your unit. If your machine exhibits any of the following, check for trouble as indicated.

### Loss of sensitivity and tone quality

- \* AC power voltage lower than the voltage to which your machine is adjusted.
- \* Magnetized heads.
- \* Wrong side of tape facing heads, or defective or worn tape.

### Machine will not record or play

- \* Check positions of controls, input and output connections and plugs.
- \* Tape is not loaded properly.
- \* Machine is set to pause mode.
- \* Trouble with the connected machine.

### Irregularity in tape transport

- \* When extremely thin tape of over 2,400 ft. in length is used, to avoid tape damage, it is imperative that the Stop Button be depressed before changing modes.

- \* Oil on capstan. Please refer to Pinch Wheel & Capstan Cleaning procedure.
- \* Sticky or dirty tape surface.
- \* Tape is not loaded properly.

### Does not turn on eventhough the Power Switch is depressed

- \* Check AC Cord.
- \* Machine is set to automatic shut-off.
- \* Fuse is blown.

### The following notes are provided for your convenience.

- \* Place machine on a flat horizontal surface and operate either horizontally or vertically.
- \* Do not place anything on top of your machine which will obstruct the ventilator.
- \* Should there be a problem with your machine, write down the model and serial numbers and all pertinent data regarding warranty coverage as well as a clear description of the existing trouble and contact your nearest authorized Akai Service Station or the Service Dept. of Akai Electric Company, Tokyo, Japan.

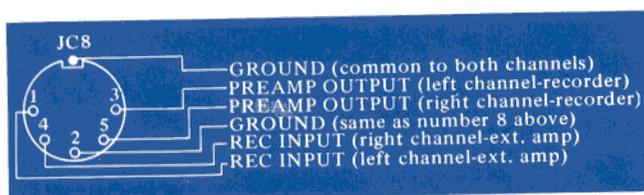
## TAPE SELECTOR SWITCH

This model is equipped with a Tape Selector Switch. Use of this switch brings out the maximum response of high performance low noise tapes and works to change the recording equalization according to the tape. The combination of the Akai GX Head and low noise tape has enabled startling progress in tone quality. Use for low noise tape only.

## RECORDING LEVEL SETTING

For precise setting of the recording level, monitoring through headphones is recommended. Connect stereo headphones to the Headphone Jack, and depress SOURCE Selector Switch. Adjust the Recording Level Controls while observing the VU Meters and keep the recording level as high as possible within the yellow part of the meter scale.

- \* If SOURCE Selector Switch is depressed, the input level can be adjusted before setting machine to recording mode. However, if TAPE Selector Switch is depressed, the input level can be adjusted only after setting machine to recording mode.



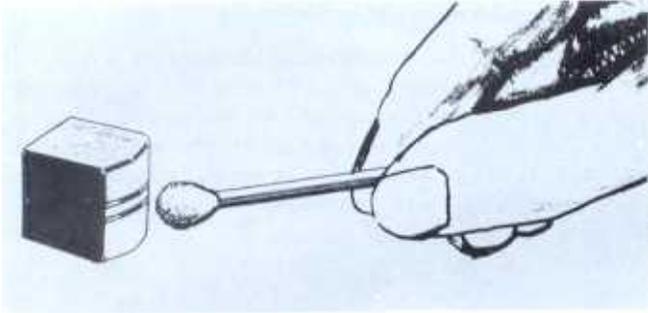
## COMPUTE-O-MATIC (automatic recording level control)

In the past, when making a recording, in order to obtain an optimum recording level, the operator had to adjust the input controls by hand while observing the VU Meters. The new Akai Compute-O-Matic system does the job for you in that when the Compute-O-Matic Set Button is depressed during recording mode, the maximum sound level is automatically adjusted to "0" VU and then other levels are adjusted proportionately. In other words, when this button is depressed, the Recording Level Indicator automatically stops at maximum. This maximum level becomes "0" VU and other levels are proportionately adjusted. Note that this system differs from ordinary so called "automatic gain control" systems which merely keep the sound within a certain midrange level.

## HOW TO USE THE DIN JACK

The Din Jack at the rear of the machine can be used instead of the Rec. and P.B., Jacks if your amplifier has a corresponding connection. This one cord system eliminates the necessity of four separate connections and disconnections. When recording from an external amplifier, if the output of the amplifier is more than 70 mV, set the Din Jack High/Low Input Switch to HIGH position. If the output level is less than 70 mV, set to LOW position.

- \* Do not use DIN-DIN Jack for connection with other tape recorders or decks.



### HEAD CLEANING

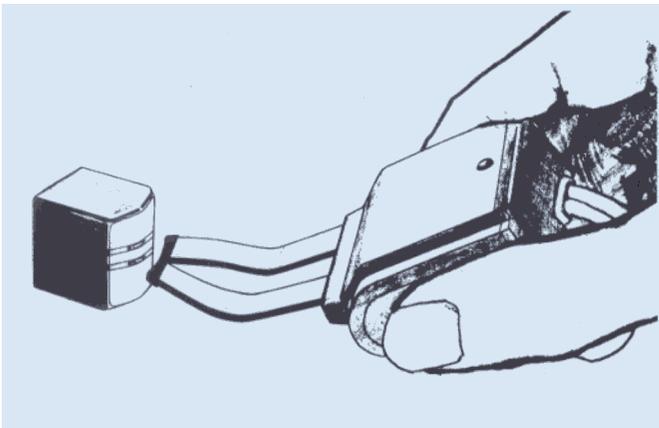
The GX Heads do not normally require cleaning. However, if old tapes or tapes which have been spliced are used, head cleaning is recommended. Clean by rubbing the entire head surface (do not scratch) with a cotton swab stick which has been dipped in Akai cleaning fluid from Akai Head Cleaning Kit HC-500.



### PINCH WHEEL & CAPSTAN CLEANING

If foreign matter is allowed to accumulate on the Pinch Wheel and Capstan, these particles will come off on the tape causing deterioration of sound quality. Oil adhering to the capstan also causes irregularity in tape transport. It is, therefore, recommended that these parts be wiped clean occasionally. For pinch wheel and capstan cleaning, use Akai Cleaning Kit HC-500, or if this is not available, use alcohol.

\* Do not use chemicals such as chlorothane, etc., as the rubber wheel will deteriorate.

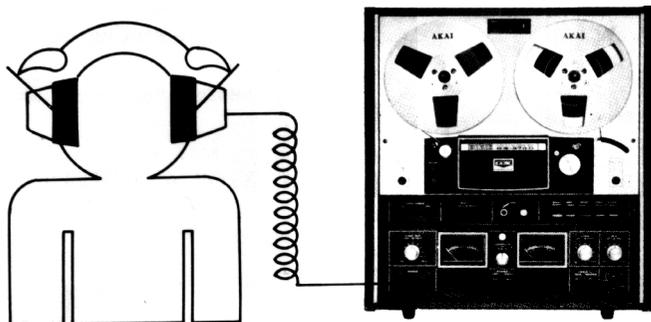


### HEAD DEMAGNETIZING

Normally, the steel pole pieces which form part of the recording and playback heads become slightly magnetized. The effect of magnetization is that it causes considerable drop-out or introduces noise into your recordings. It is, therefore, recommended that head demagnetizing be performed periodically. This can be accomplished with a bulk head demagnetizer by bringing it close to the heads and making several circular motions over all head surface areas as well as the head housing.

\* Be sure to cut off the power of the unit prior to demagnetizing the heads.

\* Do not use magnetized tools in the vicinity of the heads.



### SOUND MONITORING

This model is provided with a Headphone Jack and Monitor Selector Switches so that sound source or recorded signals can be monitored. For monitoring program source during recording, depress SOURCE Switch. If the TAPE Switch is depressed, the recorded signals will be monitored as the tape passes the Playback Head. For private headphone listening, connect an 8  $\Omega$  impedance stereo headphone and depress TAPE Switch.



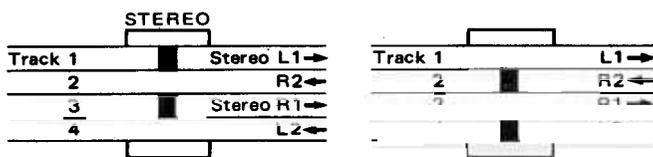
## TAPE ERASING

Any signal information previously recorded on a tape will be erased automatically as a new recording is made. For erasing only, thread the tape and set machine to recording mode. No plugs should be connected to the input jacks and recording level controls should be kept at minimum. Akai Tape Eraser ATE-7 is recommended for quick and complete erasure.

## TAPE LOADING

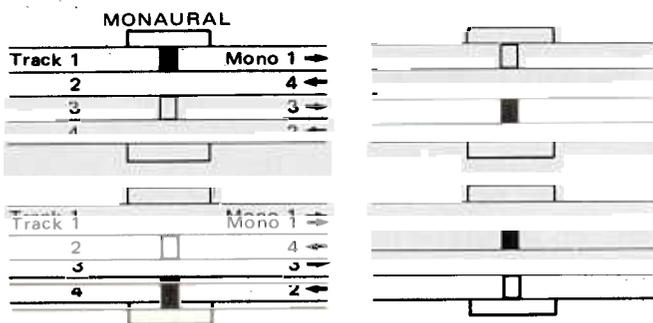
Place a full reel of tape on the Supply Reel Table and an empty reel on the Take-Up Reel Table. Thread the tape as illustrated by the dotted lines in the figure and lock reels into place with the Reel Retainers provided on reel shafts.

## 4-TRACK STEREO RECORDING/PLAYBACK SYSTEM

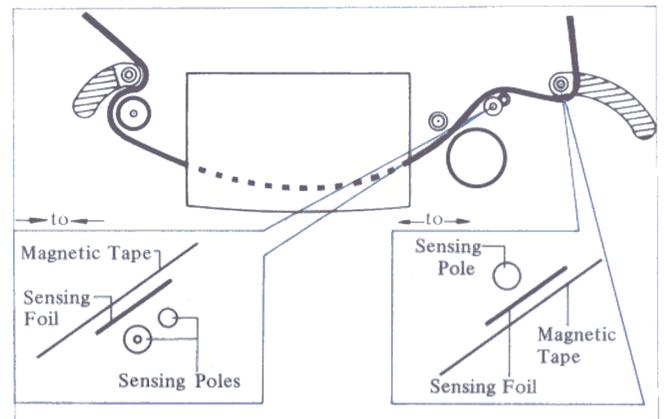


4-track stereo recording/playback system requires the simultaneous use of two tracks. For stereo operation, depress both Track Selector Switches. The first recording/playback takes place on tracks 1 and 3 and the second on tracks 2 and 4 after the recorder has been set to reverse mode.

## 4-TRACK MONAURAL RECORDING/PLAYBACK SYSTEM



4-track monaural recording/playback sequence is 1-4-3-2. For monaural operation, depress LEFT Track Selector Switch. The first recording/playback takes place on track 1 and the second on track 4 after the recorder has been set to reverse mode. For recording/playback on track 3-2, depress RIGHT Track Selector Switch. The third recording/playback takes place on track 3 and the fourth on track 2 after the recorder has been set to reverse mode.



## AUTOMATIC & MANUAL REVERSE RECORDING/PLAYBACK

For automatic reverse recording or playback, affix about a 2.5 cm (1") long piece of metallic sensing foil to the outside of the tape at desired reversing point. If continuous reverse between two points is desired, affix another piece of sensing foil to the inside of the tape at desired reversing point. In other words, affix a piece of sensing foil at each end of the tape (outside of tape for normal to reverse operation, and inside of tape for reverse to normal operation). As the sensing foil passes the sensing poles, reverse is effected.

\* Your machine is also equipped with a Manual Reverse Key for your convenience.

For reference, see AUTOMATIC STOP & SHUT-OFF, page 4.

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## PLAYBACK OF PRE-RECORDED TAPE



Please read the operating precautions carefully before attempting operation. Connect the Line Outputs of the GX-370D to the tape inputs of the external amplifier and connect two speakers to the amplifier. Connect power cord and load a pre-recorded tape.

### STEREO PLAYBACK

- A. Turn on Power Switch.
- B. Depress both LEFT and RIGHT Track Selector Switches for stereo operation.
- C. Select tape speed.
- D. Depress TAPE Monitor Switch.
- E. Depress FWD Key to begin playback.
- F. Adjust left and right Line Output Level Controls and external amplifier controls.
- G. Depress REV Key for reverse playback.
- H. Depress STOP Key to stop playback.

### MONAURAL PLAYBACK

Only the left channel is used for monaural playback. Substitute the following steps for steps B, F, and G of stereo playback procedure.

#### Tracks 1-4

- B. Depress LEFT Track Selector Switch.
- F. Adjust left Line Output Level Control and external amplifier controls.
- G. Depress REV Key for playback on track 4.

#### Tracks 3-2

- B. Depress RIGHT Track Selector Switch.
- F. Adjust left Line Output Level Control and external amplifier controls.
- G. Depress REV Key for playback on track 2.

## RECORDING USING MICROPHONES



Please read the operating precautions carefully before attempting operation. Connect power cord and load a tape.

### STEREO RECORDING

- A. Turn on Power Switch.
- B. Depress both LEFT and RIGHT Track Selector Switch for stereo operation.
- C. Select tape speed.
- D. Set Index Counter to "0000". This provides an easy reference for locating positions on the tape.
- E. Insert microphones into left and right Microphone Jacks. Maintain a distance of at least 2 meters (7 ft.) between microphones.
- F. Depress SOURCE Monitor Switch.
- G. Adjust and balance recording input level with left and right Microphone Recording Level Controls while observing corresponding VU Meters. Normal recording level should not exceed "0" VU.
- H. When an optimum recording level has been determined, while holding Recording Safety Button at depressed position, depress FWD Key to begin recording. Note that the Recording Indicator Lamp will light.
- I. To stop recording depress Stop Key.
- J. For reverse recording, while holding Recording Safety Button at depressed position, depress REV Key.

### MONAURAL RECORDING

Only the left channel is used for monaural recording. Substitute the steps B, E, G and J of stereo recording procedure for the following steps.

#### Tracks 1-4

- B. Depress LEFT Track Selector Switch.
- E. Insert microphone into left Microphone Jack.
- G. Adjust and balance recording input level with left Microphone Recording Level Control while observing the left VU Meter.
- J. For reverse recording on track 4, while holding Recording Safety Button at depressed position, depress REV Key.

#### Tracks 3-2

- B. Depress RIGHT Track Selector Switch.
- E. Insert microphone into left Microphone Jack.
- G. Adjust and balance recording input level with left Microphone Recording Level Control while observing the left VU Meter.
- J. For reverse recording on track 2, while holding Recording Safety Button at depressed position, depress REV Key.

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## RECORDING FROM AN EXTERNAL AMPLIFIER

If an external amplifier or tuner amplifier is used, connect the tape outputs of the external amplifier to the Line Inputs in step E of stereo recording procedure.

## RECORDING FROM A TURNTABLE

To record from a stereo or monaural disc, a crystal pick-up can be connected directly to the Line Inputs in step E of stereo recording procedure. If a magnetic or similar cartridge is used, it must be connected to the Line Inputs through an external amplifier.

## TAPE DUBBING

When dubbing tape from another recorder, connect the line outputs of playback machine to the line inputs of the recording machine in step E of stereo recording procedure.

## SOUND-ON-SOUND RECORDING

For transfer of previously recorded material from one track to another accumulating as many individual recordings on a single track as is desired. Use for language training or various interesting musical compilations.

### First Recording

- A. Turn on Power Switch. The Power Indicator Lamp will light.
- B. Confirm that there are no connections to the Line Input Jacks.
- C. With the Reset Button set the Index Counter to "0000".
- D. Depress LEFT Track Selector Switch.
- E. Insert microphone into left Microphone Jack.
- F. Depress SOURCE Monitor Switch.
- G. Adjust left Microphone Recording Level Control while observing left VU Meter.
- H. While holding Recording Safety Button at depressed position, depress FWD Key to begin first recording ; i.e., DO-RE-MI.
- I. When the first recording is complete, rewind tape to starting point.

With the standard accessory Connection Cord connect

the Din connector to the Din Jack and the black cord Pin Plug to the left Line Input Jack.

### Second Recording

- J. Depress both Monitor Switches.
- K. Depress RIGHT Track Selector Switch.
- L. Increase Line Recording Level Control.
- M. Connect stereo headphones to monitor first recording on track 1.
- N. While holding Recording Safety Button at depressed position, depress FWD Key to begin second recording ; i.e., MI-FA-SOL.
- O. Reset left Line Recording Level Control (decrease little by little) until proper level is obtained.

The second recording is made on track 3 as the first recording is monitored through headphones. The two recordings will be completely merged on track 3 ; i.e., DO-MI-RE-FA-MI-SOL.

Third and subsequent recordings are made in the same way by switching LEFT and RIGHT Track Selector Switches. For playback, set Track Selector Switch to track on which last recording was made and depress the TAPE Monitor Switch.

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## SOUND MIXING

For mixing microphone and line input signals, proceed as follows :

- A. Insert microphones into Microphone Jacks and connect the line outputs of external source to the Line Input Jacks.
- B. Adjust microphone input level with Microphone Recording Level Controls and line input level with Line Recording Level Controls.
- C. For playback, operate Track Selector Switch according to tracks used in making recording.

## SOUND-WITH-SOUND RECORDING

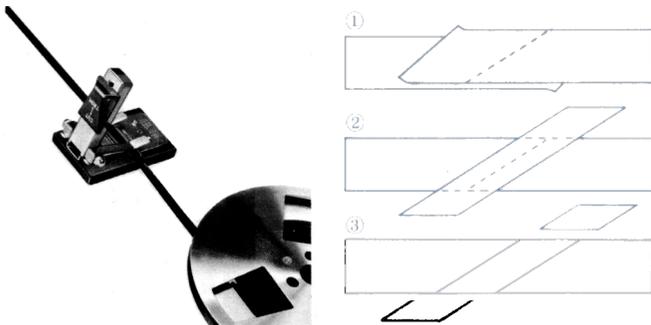
Sound-with-sound recording is accomplished in the same way as Sound-On-Sound except that instead of transferring from one track to another, the sound on track 1 is monitored through headphones while the second recording is made on track 3. This feature is especially convenient for teacher/student repetition and comparison (teacher's voice on track 1 and student's voice on track 3. For sound-with-sound recording, follow Sound-On-Sound recording procedure, substituting the following step for step L, and eliminating step O.

- L. Decrease Line Recording Level Control to minimum.

For playback, depress both Track Selector Switches (for stereo) and depress the TAPE Monitor Switch.

## TAPE SPLICING & EDITING

Cut tape diagonally with an overlap so that the ends are lined up. Cutting tape on diagonal eliminates detection of splice in recording. Cover aligned ends with splicing tape. Press firmly exerting pressure to secure ends evenly. Trim off excess splicing tape cutting into tape very slightly. This eliminates the possibility of a sticky splice. For easy and smooth tape splicing, Akai Tape Splicer AS-3 is highly recommended.



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## TECHNICAL DATA

Track System . . .	4-track 2-channel stereo/monaural
Reel Capacity . . .	Up to 7" reel
Tape Speed . . .	7-1/2 and 3-3/4 ips ( $\pm 0.5\%$ )
Wow & Flutter . . .	Less than 0.07% RMS at 7-1/2 ips Less than 0.10% RMS at 3-3/4 ips
Equalization . . .	Correct equalization for playback of tapes recorded to NAB curve.
Frequency Response . . .	(Using Akai SRT Tape) : 20 Hz to 26,000 Hz ( $\pm 3$ dB) at 7-1/2 ips, 30 Hz to 22,000 Hz ( $\pm 3$ dB) at 3-3/4 ips. (Using Regular Tape) : 20 Hz to 24,000 Hz ( $\pm 3$ dB) at 7-1/2 ips, 30 Hz to 19,000 Hz ( $\pm 3$ dB) at 3-3/4 ips
Distortion . . .	0.8% (1,000 Hz "0" VU) using Akai SRT Tape
Signal-To-Noise Ratio . . . . .	58 dB using Akai SRT Tape
Erase Ratio . . .	Better than 70 dB
Bias Frequency Heads . . . . .	100 kHz (3): Two GX combination recording & erase heads, one GX playback head
Motors . . . . .	(3): 2-speed servo-control outer-rotor motor for direct capstan drive, and two 6-pole eddy-current outer rotor motors for supply and take-up reel drive.

Fast Forward & Rewind Time . . . . .	60/75 sec. using a 1,200 ft. tape at 60/50 Hz
Recording Capacity . . .	Two hours stereo recording using a 1,200 ft. tape at 3-3/4 ips.
Output Jacks . . . . .	Line (2): 1.23 V ("0" VU)/100 $\Omega$ required load impedance: more than 20 k $\Omega$ Phone (1): 30 to 40 mV/8 $\Omega$
Input Jacks . . . . .	Microphone (2): 0.8 mV/10 k $\Omega$ Line (2): 100 mV/150 k $\Omega$
Din Jack . . . . .	0.4 V/70 mV (high) 7 mV (Low), 68 $\Omega$
Semi-Conductors . . . . .	Transistors: 65 Diodes: 49
Integrated Circuits . . . . .	2
Power Requirements . . .	100 V to 240 V A.C., 50/60 Hz
Power Consumption . . .	130 W
Dimensions . . . . .	445(W) x 503(H) x 252(D) mm (18.2 x 20.5 x 10.3")
Weight . . . . .	25.5 kg. (56 lbs.)

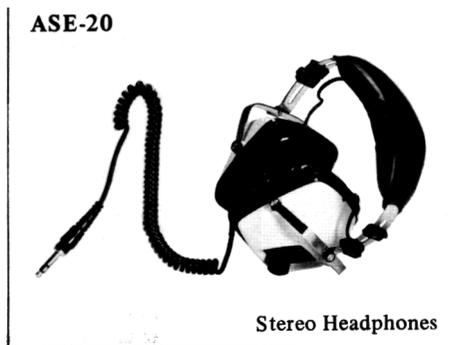
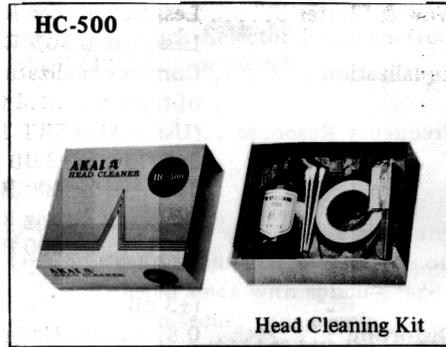
\* For improvement purposes, specifications and design are subject to change without notice.

**STANDARD ACCESSORIES**

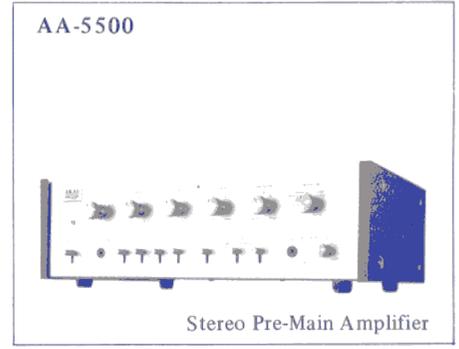
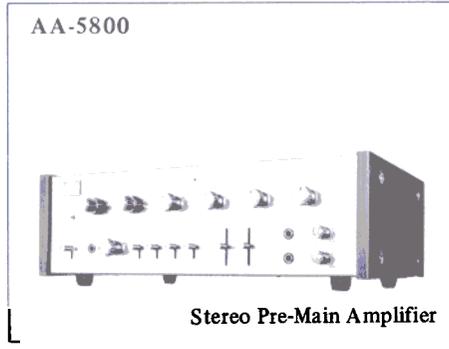
Connection Cord .....	1
Empty Reel .....	1
Sensing Tape .....	1
Spare Fuse .....	1 set
Operator's Manual .....	1

\* Spare fuses are not included with CEE, CSA, and UL Standard models.

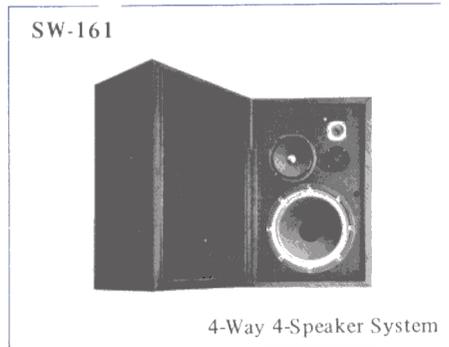
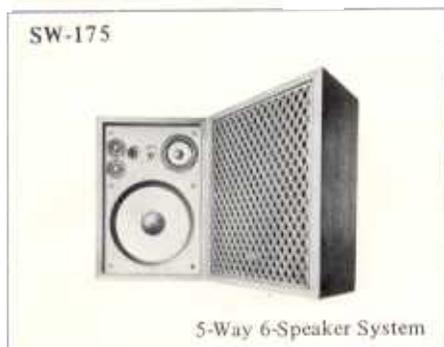
**OPTIONAL ACCESSORIES**



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Printed in Japan