AKAI

# STEREO TAPE DECK
# GX-625

Space Age Technology In An Open Reel Deck Gives You An Automatic System
Which Begins Playback From The Very First Note.



# See For Yourself On The Timer Display How Many Hours,

Continuous innovation is the kernel of Akai's success. Follow the Akai's lead to a new concept in open reel decks and enjoy a deck which takes care of playback for you automatically. The automatic playback system newly developed for the GX-625 gives you a new route to easy, relaxed playback of any section from the very first note. Such accuracy has been impossible to date because of the very rapid rewind speed necessitated by the length of open reel tapes, and 10 1/2" ones in particular. Working in conjunction with a new digital tape counter, repeat, playback, memory auto play and stop are all possible with this deck. A press of a button converts the tape counter indicator into a digital timer




which indicates the amount of tape used in hours, minutes and seconds, up to 2 hours, 59 minutes and 59 seconds. Unlike the more conventional decks, the GX-625 has an electronic brake controlled by a micro-computer type processor which is activated to slow the speed of rewind prior to the mechanical brake stopping the tape at the desired position. This novel device protects your tapes and ensures that playback will always begin at the very beginning of a selection. Add to these new features the benefits of Akai technology and you will admit that this is a deck to make the fingers of even the most discerning of audio buffs itch to try it.

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# Minutes And Seconds You Have Recorded On The Tape










## LENGTH OF TAPE CONVERTED INTO MINUTES AT A GLANCE

This is a really top class feature which should silence even the most vociferous of critics. Look at the display showing the digital tape counter figure, depress the min/sec button and see tape length converted into actual time played instantly. At long last you can make full use of your tapes without any embarassing blanks as the tape winds to an end because you can see at a glance exactly how many minutes playing time has elapsed. Furthermore, as the timer stops when the tape does you can ascertain exactly how long the deck was recording while you were out.

## DIGITAL TAPE COUNTER

The GX-625 is equipped with a digital tape counter which is electronically regulated for a precision never before attained in open reel decks. Use it to catalogue your tape library and in conjunction with the automatic playback system, to ensure that you listen to every last note of your musical selection.

## AUTO SYSTEM

Working in conjunction with the digital tape counter, the auto system enables you to repeat playback between two precisely designated points. Use the memory auto play or stop just as the fancy takes you. Also during rewind as the point where playback is to begin is reached, the tape is automatically slowed down before stopping.

## REPEAT PLAYBACK

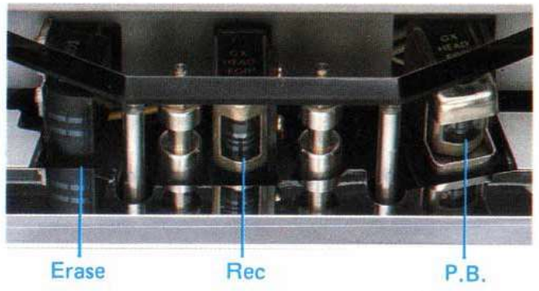
Now you can repeat playback continuously between two points anywhere on the tape automatically. Set the tape counter to '0' at the point where playback is to begin and depress the repeat button at the point where playback is to be repeated. As long as the repeat button remains depressed, the tape will rewind to '0' and repeat playback between the two points continuously.

## MEMORY AUTO PLAY AND STOP

Setting the counter to '0' at any point on the tape and depressing either the play or stop buttons will ensure that the tape either begins playback from '0' or stops. Memory Auto play is very useful, for example, during recording when you want to hear what you have just recorded in its entirety and Memory Auto Stop for returning to the beginning of a badly recorded selection to correct it.

## SLOW DOWN, STOP

Beginning playback at the very first note from high speed rewind is a special feature of this deck. As the tape rewind approaches the designated place on the tape, a processor controlled electronic brake is activated slowing down the speed and then when '0' is reached a mechanical brake stops the tape completely.




## NEW GX HEAD DELIVERS THE SOUND

That superlative performer the Akai GX head with its excellent durability characteristics is incorporated in the GX-625. Made of special low noise crystal ferrite set in super hard glass, it yields a better dynamic range and S/N ratio. With separate heads for erase, playback and recording listen to what is being recorded on the tape as it is being recorded and then compare it with the source.

## THREE-MOTOR, DIRECT CAPSTAN DRIVE SYSTEM

The GX-625 employs Akai's new C.P.G. AC servo motor for the capstan drive. A Sample-and-Hold circuit is incorporated in the servo circuit which improves the response characteristics of the servo to maintain the speed accuracy and reduce vibrations emanating from the motor. A major result is that wow and flutter are reduced to a low 0.08% (DIN), 0.03% WRMS.

## FEATHER-TOUCH IC LOGIC CONTROLS

It only takes the lightest pressure to activate the transport controls. They are direct function change controls, which means there's no need to press the stop button before changing modes. This facilitates dubbing in recording mode. The buttons light up to indicate the mode in operation.

## PRECISE PITCH CONTROL

Especially convenient for the instrument buff, this control lets you change by ±6% the pitch of the recorded programme. Instead of having to go through the bothersome process of tuning your instrument, just turn this knob!

## RECORDING MUTE

Record only what you want to with the handy recording mute. A push of this button during any part of the recording gives a period of no signal recording, which can be timed by counting the flashes of the lamp, once a second.

## SOUND MIXING CAPABILITY

Independent line and microphone recording level controls ensure perfect mixing and recording of microphone and line source signals.

## VERSATILE TAPE SELECTOR

This convenient selector enables you to get the best out of the high-performance, wide range tapes now available. It adjusts the bias for better recording characteristics.

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## REMOTE CONTROL SYSTEM

Operating the GX-625 becomes even easier if you use the RC-18 Remote Control Unit (with cable) or RC-70 unit. Instead of a long cable which is easy to trip over, the RC-70 sends an invisible stream of infra-red rays to the deck to effect mode change.

## PUSH-BUTTON REEL SIZE SELECTOR

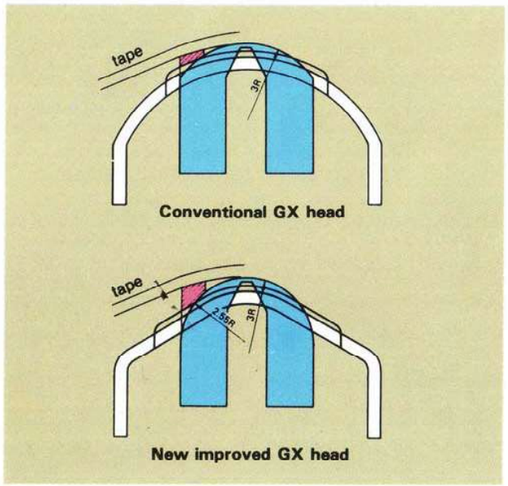
The two-position reel size selector adjusts the back- and take-up tension according to the reel size to maintain perfect head-to-tape contact and stable tape travel.

## TIMER START SWITCH

Set to REC and combine with an optional timer unit for recording while you are out. Set to PLAY and wake up to the soothing tones of your favourite music.

## CONTOURLESS GX PLAYBACK HEAD

The contourless GX playback head reduces fluctuations in the playback level in the low frequency range and being focused-field, the high-frequency characteristics are also improved.




## AKAI'S OPEN REEL TAPEDECKS

GX-620



GX-255



GX-635D



GX-266II



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

## TECHNICAL DATA

| | |
|---|---|
| Track System | 4 Track 2 Channel Stereo System |
| Reel Capacity | Up to 10-½" reel |
| Heads | Erase head x 1, GX recording head x 1<br>GX playback head x 1 |
| Motors | AC servo motor for capstan drive x 1<br>AC eddy current motors for reel drive x 2 |
| Tape Speed | 19 cm/s ±0.8% (7-1/2 ips.)<br>9.5 cm/s ±1.0% (3-3/4 ips.)<br>Pitch control: more than ±6% |
| Wow & Flutter | Less than 0.03% WRMS, 0.08% DIN 45500 at 19 cm/s<br>Less than 0.04% WRMS, 0.10% DIN 45500 at 9.5 cm/s |
| Tape Winding Time | 130 sec. using 740 m (2400 ft.) Tape |
| Frequency Response | 30 to 26,000 Hz ±3 dB at 19 cm/s<br>30 to 19,000 Hz ±3 dB at 9.5 cm/s |
| Signal to Noise Ratio | Better than 62dB at 19cm/s DIN 45500<br>Better than 60dB at 9.5cm/s DIN 45500 |
| Harmonic Distortion | Less than 0.5% |
| Input | MIC: 0.25 mV (input impedance 2.4 kohms)<br>Required microphone impedance; 600 ohms<br>Line: 70 mV (input impedance 100 kohms) |
| Output | Line: 775 mV at 0 VU<br>Required load impedance; more than 20 kohms<br>Phone: 100 mV/8 ohms at 0 VU |
| DIN | Input: 2 mV (input impedance 10 kohms)<br>Output: 775 mV<br>Required load impedance; more than 20 kohms |
| Dimensions | 440(W) x 446(H) x 241(D) mm (17.3 x 17.6 x 9.5") |
| Weight | 17.6 kg (38.9 lbs) |
| Power Requirements | 120V/60Hz for USA & Canada<br>220V/240V switchable, 50 Hz for European countries & Australia<br>110/120/220/240V, 50/60 Hz switchable for other countries |

## STANDARD ACCESSORIES

| | |
|---|---|
| Connection cords | 1 set |
| Reel hub adaptor | 1 set |
| Empty reel | 1 set |
| Operator's manual | 1 set |

* Black panel model is also available.

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