

AKAI STEREO TAPE DECK GX-620

Extended Recording/Playback Capability
Have it either way in mono for voices, or stereo for enjoying music at its best. Large 10 1/2" reel capacity permits maximum 12 hours' recording/playback in mono, 6 hours in stereo.

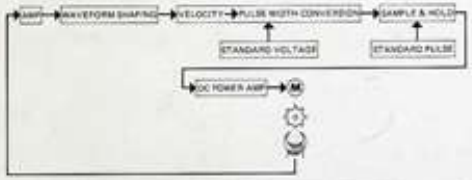


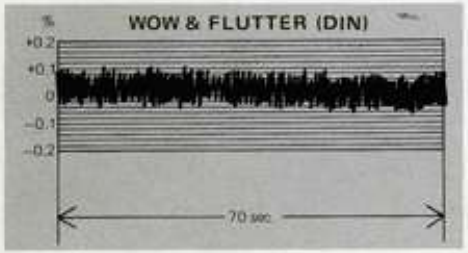
Functions Guaranteed to Please:
Monaural/Stereo, 4-Track 2-Channel Recording and Playback

High-performance New GX Head
Akai's New GX Head which symbolizes the company's lead in the industry, makes its appearance once again, in the GX-620. GX stands for glass and crystal and the head, in fact, is made of special low-noise crystal ferrite set in super-hard glass. This durability, besides affording longer head life, also yields a better dynamic range and improved S/N ratio. Three separate heads — erase, record and playback — enable off-the-tape monitoring. The contourless GX playback head reduces fluctuations in the playback level in the low frequency range and being focused-field, the high-frequency characterisitics are also improved.



Three-Motor, Direct Capstan Drive System
The GX-620 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), 0.04% 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.

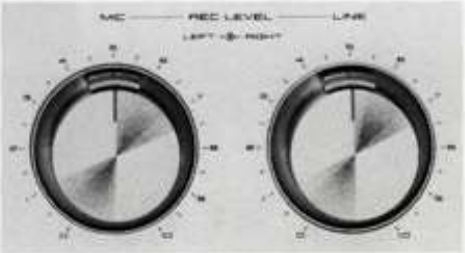


Push-button Reel Size Selector
The two-position reel size selector adjusts the back- and take-up tension according to the reel size to maintain perfect head-to-tape contact and stable tape travel.

Automatic Stop Mechanism
The Automatic Stop Mechanism is activated when the end of the tape is reached. This saves having to re-thread the tape and is an invaluable feature when the deck is left unattended.

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.

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



Remote Control System
Operating the GX-620 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. Connect the RC-18 to a timer and you can make unattended recordings while you are out or set the timer for timed playback.

Expanded-range VU Meters
The illuminated VU meters have an extra-wide −20VU to +5VU calibrated scale, so you can read the critical area of measurement more easily during recording.





TECHNICAL DATA

Track System	4 track 2 channel stereo/monaural system
Reel Capacity	Up to 10-1/2" reel
Tape Speed	19 cm/s ±0.8% (7-1/2 in.) 9.5 cm/s ±1.0% (3-3/4 in.)
Wow & Flutter	Less than 0.03% WRMS, 0.08% DIN 45500 at 19 cm/s Less than 0.04% WRMS, 0.10% DIN 45500 at 9.5 cm/s
Frequency Response	30 to 26,000 Hz ±3dB at 19 cm/s (WR Tape) 30 to 19,000 Hz ±3dB at 9.5 cm/s (WR Tape)
Distortion	Less than 0.5% (at 1,000 Hz 0 VU)
Signal-to-Noise Ratio	Better than 62 dB DIN 45500 at 19 cm/s
Erase Ratio	Better than 70 dB (at 1,000 Hz)
Cross Talk	Better than 40 dB (at 1,000 Hz)
Channel Separation	Better than 55 dB (at 1,000 Hz)
Bias Frequency	100 kHz
Heads	(3): One GX recording head, One GX playback head, One erase head
Motors	(3): One AC servo motor for capstan drive, Two AC eddy current motors for reel drive
FF. & RWD. Time	120 sec. using 550m (1,800 ft.) Tape
Output Jacks	Line (2): 0.775V (0 VU) Required load impedance: more than 20 kohms Phone (1): 100 mV/8 ohms
Input Jacks	Microphone (2): 0.25 mV Required microphone impedance: 600 ohms Line (2): 70 mV Input impedance 100 kohms
DIN Jack	Input: 2.0 mV Input impedance 10 kohms Output: 0.3V
Dimensions	440(W) x 446(H) x 241(D) mm (17.4 x 17.6 x 9.5")
Weight	17.6 kg (38.9 lbs)
Power Requirements	120V, 60 Hz for USA & Canada 220/240V switchable, 50 Hz for Europe and Australia 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
Operator's manual	1

* Black panel model is also available.

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

AKAI

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