

AKAI®

1721-W

STEREO TAPE RECORDER



TOP PERFORMANCE WITH THIS COMPACT TAPE RECORDER

This „mignon“ model incorporates all the features necessary for top stereo performance plus a built-in phono equalizer amplifier for direct recording from a magnetic cartridge and two large 5" x 7" built-in speakers. Robust mechanism and Akai's dependable two lever system, Automatic Shut-Off, Tape Selector Switch. Monitoring during recording or playback. Instant convertibility to a Public Address System.

Also available in leather-finished cabinet (Model 1721 L) with carrying handle.

SELF-LUBRICATING 2-SPEED INDUCTION MOTOR

For watches and car engines, etc., oil circulating self-lubricating motors are more practical, and, of course, for tape recorder motors as well. Two oil circulating cellulose fiber mechanisms have been installed in this high performing induction motor for long lasting, trouble-free operation. Oil circulating speed is adjusted naturally according to motor revolutions and temperature. Thus, shaft revolutions are always smooth and stable and various mechanical trouble resulting from oil circulation suspension does not occur. Further, these unique cellulose fibers act as filters to keep the oil clean during the circulating process for lasting endurance.

TAPE SELECTOR SWITCH

Model 1721W is equipped with a Tape Selector Switch which when set to SRT position brings out the maximum response of low noise tape. Even though this model displays a high frequency response covering 18,000 Hz with regular tape, this is extended to an amazing 21,000 Hz when using Akai SRT or other make low noise tape.

BUILT-IN EQUALIZER AMPLIFIER FOR DIRECT RECORDING OR PLAYBACK WITH PHONO CARTRIDGE

A magnetic cartridge adapter set which connects the phono outputs to the front panel Mic/Phono Jacks is included in the standard accessories. A simple connection and setting of the rear panel Mic/Phono Switch to MIC position activates the built in phono equalizer amplifier for direct recording from a magnetic phono cartridge.

PUBLIC ADDRESS SYSTEM CONVERTIBILITY

For instant conversion to a P.A. System, set rear panel Speaker Switch to PA position and set recorder to recording mode. Microphones are used to activate the speaker system in use.

AUTOMATIC SHUT-OFF

A unique feature of this model is the Automatic Shut-Off function of the unit. When the Automatic Shut-Off Switch is set to ON position, the power of the unit is automatically shut off at the end of the tape. A convenient feature when the recorder is left unattended.

PAUSE CONTROL

The 1721W is equipped with pause control for momentarily stopping tape travel during recording or playback. Especially useful for editing tape during recording. Simply lift Pause Lever when a certain portion of the program is not desired. Pause control also permits optimum adjustment and balance of recording level prior to recording for consistent signal level input. Convenient Start Button release.

TAPE COUNTER WITH RESET BUTTON

Handy 3-digit Tape Counter with Reset Button provides a quick reference for locating positions on the tape.

PRACTICAL BUILT-IN REEL RETAINERS

Convenient built-in reel retainers firmly lock reels into place and provide equal reel tension. Easy to lock and release.

SPEAKER SWITCH

New 3-Way Speaker Switch (Mute/Recording Monitor, Normal, PA) provides proper signal output for private headphone listening or monitoring during recording, speaker output, or Public Address System respectively.

BUILT-IN SPEAKERS

Although the 1721W is a handy compact model, it is equipped with two 5 x 7" speakers for sufficient speaker output even where space is limited. Also equipped with Speaker Jacks for utilization of a larger speaker system if desired.

DIN JACK

The Din Jack can be used instead of Line Input and Output Jacks. This one-cord connection system facilitates easy recording and playback through an external amplifier as the complex connection and disconnection of 4 separate cords is eliminated.

UNIVERSAL VOLTAGE SELECTOR

The 1721W is equipped with a Universal Voltage Selector offering 6 selections of voltage from 100 V to 240 V AC for worldwide operability.

STANDARD ACCESSORIES

Microphone w/Stand	2
Demonstration Tape	1
Empty Reel	1
Magnetic Cartridge Adapter	1 set
Spare Fuse	1 set
Operator's Manual	1

TECHNICAL DATA

Track System	4-track 2-channel stereo/monaural system
Reel Capacity	Up to 7" reel
Tape Speed	7-1/2 and 3-3/4 ips ($\pm 2\%$)
Wow & Flutter	Less than 0.14% RMS at 7-1/2 ips Less than 0.18% RMS at 3-3/4 ips
Equalization	Correct equalization for playback of tapes recorded to NAB curve.
Frequency Response	30 Hz to 21,000 Hz (± 3 dB) at 7-1/2 ips; 40 Hz to 15,000 Hz (± 3 dB) at 3-3/4 ips (Akai SRT Tape) 30 Hz to 18,000 Hz (± 3 dB) at 7-1/2 ips; 40 Hz to 13,000 Hz (± 3 dB) at 3-3/4 ips (Regular Tape)
Distortion	Less than 2% (1000 Hz "0" VU)
Output Power	10 W total music power (5W/5W) at 8 Ω 6 W continuous power (3W/3W) at 8 Ω
Signal to Noise Ratio	Better than 50 dB
Erase Ratio	Better than 70 dB
Cross-Talk	Better than 60 dB (monaural) Better than 45 dB (stereo)
Bias Frequency	63 kHz
Heads	(2) : One recording/playback head & one erase head
Motor	(1) : 2-speed induction motor

Fast Forward & Rewind Time	80/100 sec. using a 1200 ft. tape at 60/50 Hz
Recording Capacity	3 hours stereo recording using a 1800 ft. tape at 3-3/4 ips.
Output Jacks	Line (2) : 1.23 V ("0" VU)/30 Ω Required load impedance : more than 10 k Ω Phone (1) : 100 mV/8 Ω Speaker (2) : 5 W/8 Ω each
Input Jack	Microphone (2) : 0.5 mV/100 k Ω Line (2) : 150 mV/330 k Ω
Din Jack	1 V/15 mV
Speaker	2 built-in 5 x 7" speakers
Semi-Conductors	Transistors : 16 Diodes : 4
Power Requirements	100 V to 240 V A.C., 50/60 Hz
Power Consumption	50 W
Dimensions	(1721W) 358(W) x 360(H) x 248(D) mm (14x14.1x9.8") (1721L) 359(W) x 366(H) x 249(D) mm (14.1x14.4x9.8")
Weight	(1721W) 13.2 kg (29 lbs) (1721L) 14 kg (30.8 lbs)

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