

AKAI®

STEREO TAPE RECORDER

1722W

HANDY COMPACT STEREO TAPE RECORDER

The 1722W is a robustly constructed complete stereo tape recorder unit with built-in phono amp and large 5 x 7" speakers. Automatic Shut-Off. Instantly convertible to a full bodied Public Address System.



**SELF-LUBRICATING 2-SPEED
INDUCTION MOTOR
FOR TROUBLE-FREE OPERATION**



For watches and car engines, oil circulating self-lubricating motors are more practical and for tape recorder motors as well.

Two oil circulating cellulose fiber mechanisms are 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 rotation is 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 epoch making endurance.

**TAPE SELECTOR SWITCH FOR
BETTER FREQUENCY RESPONSE**

This model is equipped with a Tape Selector Switch facilitating the use of high performance wide range tape. Setting this switch according to the tape being used adjusts the equalization for better frequency response characteristics.

**SPEAKER SWITCH FACILITATES
MONITORING DURING RECORDING
OR PLAYBACK**

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.

**QUALITY PARTS
AND ROBUST CONSTRUCTION**

In keeping with Akai's top quality parts utilization policy, the 1722W incorporates top quality parts and features robust construction and sturdy mechanism. Our dependable two lever control system ensures further durability.

AUTOMATIC SHUT-OFF

A special 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 entire unit is cut at the end of the tape. A very convenient feature should the recorder be left unattended.

**INSTANTLY CONVERTIBLE
TO A PUBLIC ADDRESS SYSTEM**

For a full bodied P.A. System, simply set rear panel Speaker Switch to PA position and set recorder to recording mode. Microphones are used to activate the speaker system.

PAUSE CONTROL

The 1722W is equipped with pause control for momentarily suspending tape travel during recording or playback. Especially useful for editing tape during recording. Just lift the 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.

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

Connection to the front panel Mic/Phono Jacks through an RCA/Mic plug connection cord and setting the rear panel Mic/Phono Switch to MIC position activates the built-in phono equalizer amplifier for

direct recording from a magnetic phono cartridge.

**BUILT-IN SPEAKERS
PLUS SPEAKER JACKS**

Although a handy compact model, the 1722W is equipped with two 5 x 7" built-in speakers for sufficient speaker output even where space is limited. Also equipped with Speaker Jacks for utilization of a larger speaker system if desired.

**MULTIPLE CONNECTIONS AND
CONTROLS INCLUDE DIN JACK FOR
EASY CONNECTION WITH
AN EXTERNAL AMPLIFIER**



Line and DIN input and output connections and multiple controls facilitate varied operation. 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 four separate cords is eliminated.

**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.

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
 (Wide Range 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
 (Low Noise Tape)
Distortion Less than 2% (1000 Hz "0" VU)
Continuous Power Output.
 2 watts per channel, minimum RMS,
 at 8 ohms load impedance from 75 Hz
 to 20,000 Hz, with no more than 2 %
 total harmonic distortion.
Signal-to-Noise Ratio Better than 50 dB
Cross-Talk Better than 60 dB (monaural)
 Better than 45 dB (stereo)

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 ohms
 Required load impedance: more than 10k ohms
 Phone(1): 100 mV/8 ohms
 Speaker(2): 2 W/8 ohms each
Input Jack Microphone(2): 0.5 mV/100 k ohms
 Line(2): 150 mV/330 k ohms
Din Jack 1 V/15 mV
Speaker 2 built-in 5 x 7" speakers
Semi-Conductors Transistors: 16
 Diodes: 4
Power Requirements 120 V, 60 Hz
Power Consumption 50 W
Dimensions 358(W) x 360(H) x 248(D) mm
 (14 x 14.1 x 9.8")
Weight 13.2 kg (29 lbs)

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

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