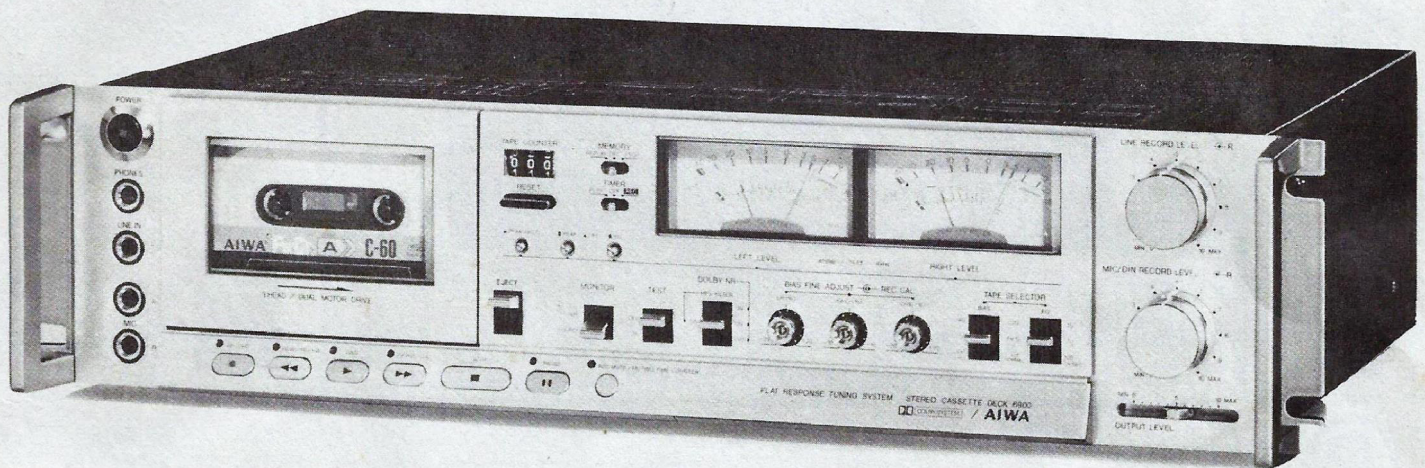
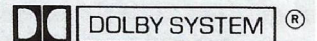


AIWA® AD-6900



AH-10Y audio handles are optionally available.



3 Head Logic Control Stereo Cassette Deck with F.R.T.S. **AD-6900**

- 3 Head system with V-cut combination head
- Feather-touch logic controls
- Ultra-compact cabinet only 12 cm (4-3/4") high
- Flat Response Tuning System (FRTS) for all types of tape
- Super-wide 20 ~ 20,000 Hz response from FeCr tape
- Exclusive "Double needle" Peak/VU meters
- "Double Dolby*" noise reduction system with Rec. Calibration
- Rec-mute with muting time indicator
- Timer standby mechanism for record or playback
- Memory rewind: stop/replay selector
- Optional remote control unit available
- Synchronized operation, oil-damped cassette ejection, mic/line mixing controls, front panel line input jack

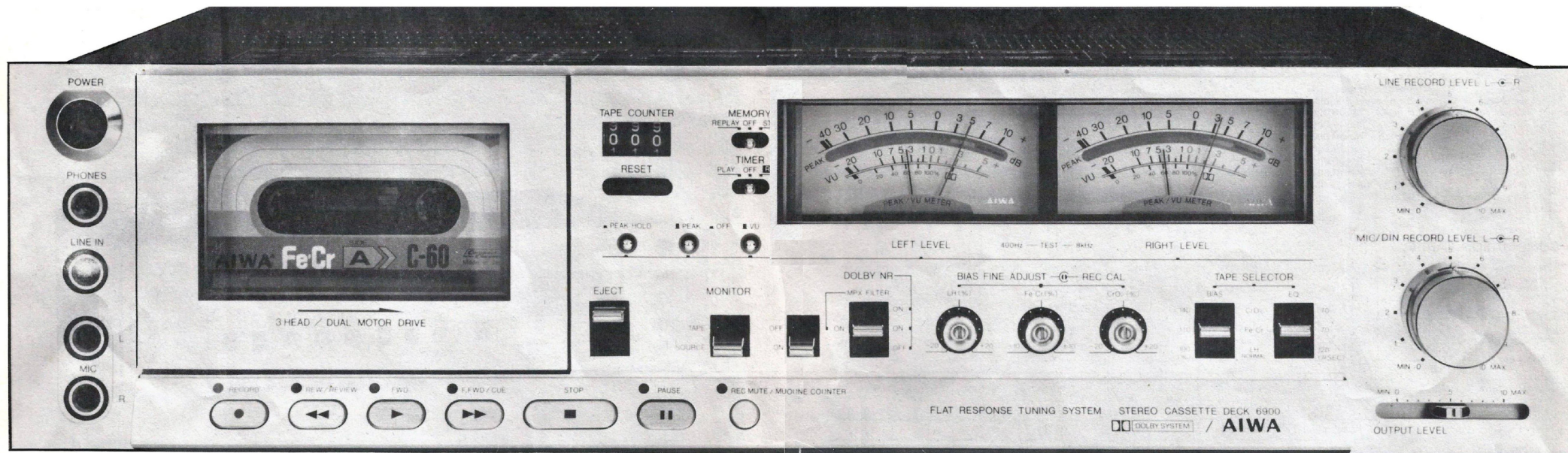


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In a word, "Magnificent" AD-6900 from AIWA



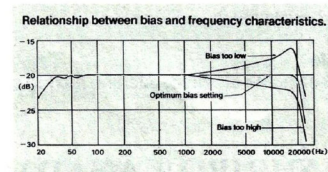
Discriminating audiophiles will agree that the AIWA AD-6900 exceeds all previous expectations for high-performance cassette equipment. Especially noteworthy is the AIWA Flat Response Tuning System (FRTS), already highly acclaimed on the model AD-6800 (introduced in late 1977); a quick, simple and accurate method for gauging the required bias for all tape formulations. With FRTS, every tape can be utilized to its full potential.

The 12 cm (4-3/4") high, ultra-compact cabinet is realized through the size reduction of the new-type dual motor mechanism, yet wow & flutter is held to an infinitesimally small 0.04% (WRMS). New feather-touch logic controls with individual LED mode indicators offer the first cue/review facility ever developed on a cassette deck. The advanced mechanism compliments a new V-cut combination head specially designed to reduce low-frequency roughness. And when recording, the 3-head configuration has the advantage of allowing simultaneous comparisons of the input source with the

just-recorded tape. Another uniquely AIWA feature, the double needle meters, have yet to be equalled in user convenience. AD-6900. Truly the culmination of AIWA expertise in cassette deck design.

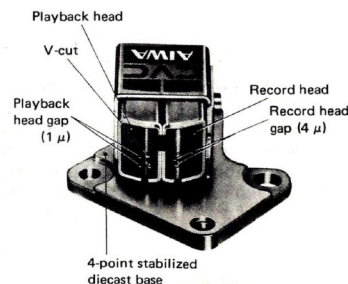
FRTS for full tape compatibility

Bias, an essential component in the recording process, must be matched to the tape's characteristics if best results are to be obtained. The FRTS (Flat Response Tuning System) utilizes built-in oscillators to measure and indicate the proper bias setting on the meters.



New "V-cut" combination head

Composed of high-density, wear-resistant Ferrite, the AD-6900's combination record/playback head has been specially designed to overcome the low-frequency roughness (Contour effect) which occurs due to interaction between the tape and head. The gap widths for the record head (4 μ) and playback head (1 μ) have each been set to give maximum efficiency to their particular roles.



Exclusive "Double needle" meters

First introduced on the AIWA AD-6800, this unique feature is the first metering system in audio to give simultaneous readings of both VU and Peak levels. The meters enable precise level settings without guesswork, assuring distortion-free recordings at the safest input levels.

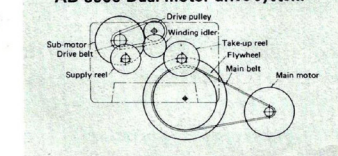
Feather-touch logic controls and the world's first cue/review facility

Functioning silently at the touch of a button, the plunger-type logic controls provide safe, foolproof operation. On the AD-6900, the tape can be speedily wound back or fast-forwarded to the desired spot on the tape without leaving the play mode, making it simple to seek out a segment for replay. An optional push-button remote control unit, also with cue/review function, is available at extra cost.

High-stability drive mechanism

A new-type of dual motor drive has been developed to give the AD-6900 additional tape stability. The capstan and flywheel are driven by AIWA's reliable 38-pulse FG servo motor, which employs its own electronic governor to maintain a constant rotation speed. A special double-tension mechanism is applied to the supply reel and stabilizer pin as a counter tension to the single capstan. These have the effect of reducing wow and flutter to below 0.04% (WRMS).

AD-6900 Dual motor drive system



"Double-Dolby" noise reduction system

"Double-Dolby" means that the record and

playback amplifiers have their own separate Dolby Circuits, allowing the noise reduction effect to be heard while monitoring Dolbyized recordings as well as in playback. With Dolby, the AD-6900 can boast an outstanding S/N ratio of 68 dB with FeCr tapes. Calibration to match the Dolby to the tape's sensitivity can be easily performed by setting the screws located inside the bias fine adjust knobs.

* Dolby is a registered trademark of Dolby Laboratories, Inc.

ALSO:

- Rec-mute with muting time indicator
- Memory rewind: stop/replay selector
- Timer standby mechanism for record or playback
- Stop-and-start recording synchronized to AIWA turntables
- Oil-damped cassette ejection; easily removable cassette cover
- Mic/line mixing controls
- Front panel line input jack

SPECIFICATIONS

Type:	3 Head Logic control stereo cassette deck	rewind time:	65 sec (C-60 tape)
Semiconductor:	13 ICs, 160 transistors, 12 FETs, 85 diodes, 6 LEDs	Head:	3 Heads, Rec/Pb: Combination Head (V-cut Ferrite Guard Head) x 1 Erase: Double gap head (Ferrite) x 1
Power source:	AC: 120V, 60 Hz	Motor:	38-pulse FG servo motor x 1 Electronically controled, 2 speed DC servo motor x 1
Dimensions:	450(W) x 120(H) x 327(D) mm (17-3/4" x 4-3/4" x 12-15/16")	Input sensitivity/impedance:	
Weight:	9.5 kg (20.9 lbs)	Mic:	0.25 mV/200 ohms — 10K ohms
Track:	4-track, 2-channel	Line-in:	75 mV/50K ohms
Tape speed:	4.8 cm/sec. (1-7/8 ips)	Din:	0.25 mV/50K ohms
Frequency response:	LH tape: 20~16,000 Hz ⁺² 25~14,000 Hz ₋₃ dB CrO ₂ tape: 20~19,000 Hz ⁺² 25~17,000 Hz ₋₃ dB FeCr tape: 20~20,000 Hz ⁺² 25~18,000 Hz ₋₃ dB	Output level/impedance:	
S/N ratio:	68 dB (Dolby-on, FeCr tape)	Line-out:	0.41 V/50K ohms
Wow and Flutter:	0.04% (WRMS)	Din:	0.41 V/50K ohms
Fast forward and		Headphone:	2 mW/8 ohms

* Specifications and design are subject to change without notice.
(*Specifications based on the H type)

COMPARISON TABLE

Model No.	AD-6900	GXC-760	CT-F1000	RSM-85	C-1	1000II
Manufacturer	AIWA	AKAI	PIONEER	TECHNICS	TEAC	NAKAMICHI
F. response	Hz	20-20K		20-18K	20-20K	
	±3dB	25-18K ⁺² ₋₃ dB	30-19K			35-20K
S/N ratio	Dolby on	68dB		64dB		65dB
	Dolby off		51dB		60 dB	
Wow & flutter (WRMS) %	0.04	0.06	0.05	0.03	0.04	0.05
Distortion %	0.9	1	1.3			1.5
Head	3 (V cut, combi)	3 (combi)	3 (combi)	2	3	3
Motor	2	2	2	2	3	2
Bias adjustor	FRTS	-	-	X	-	-
Tape selector	3 step bias/eq.	3 step	2 step bias 3 step eq.	3 step	3 step bias/eq.	2 step bias/eq.
Peak indicator	Double needle meter	Peak/VU check switch	Indicator	Peak/VU fluorescent	Peak meter	Peak meter
Peak hold	X	-	-	-	-	-
Double Dolby	X	X	X	-	X	X
Rec. cal.	X	X	X	-	X	X
MPX. on/off	X	X	X	X	-	-
Synchro operation	X	-	-	-	-	-
Remote control	Option	Option	-	Option	Option	Option
Cue & review	X	-	-	-	-	-
Memory counter	Auto replay	Rewind	Auto replay	Rewind	Auto rewind	Auto rewind
Rec. mute	X	X	-	X	X	-
Timer stand-by	X	X	X	X		X
Full auto stop	X	X	X	X	X	X
Fast foward and rewind time (C-60 tape)	60 sec.	70 sec.	65 sec.		70 sec.	50 sec.
Size (WxHxD) mm	450x120x327	440x142x306	480x187x362	450x97x423	482x161x353	524x296x248

Note: Above specifications based on data from manufacturers' brochures. Blank indicates figures not available.