

# AIWA®

## AD-F1000

Stereo Cassette Deck  
with 3-Head Design



Record incredible-sounding tapes, then play them back on the AD-F1000 and enjoy music that's almost as pure and distortion-free as being right there in the concert hall. The advanced technology of three heads with a closed loop, dual capstan tape transport, plus PC-OCC copper wire coils, a bias shield head block and an Anti-Modulation Tape Stabilizer (A.M.T.S.) dramatically enhances your listening pleasure. Add in Dolby B, C, HX Professional and dbx, and this state-of-the-art cassette deck delivers every beat of your favorite music with uncompromising clarity. The AD-F1000 is an audiophile's dream-come-true.

**AIWA**—what a difference

# AD-F1000

Power On/Off

Eject

Phone Level

3-head Super DX Heads with AMTS

Linear Tape Counter

Memory On-Off/Stop/Replay

Noise Reduction

Timer

Monitor

Calibration

Record Mute

MPX Filter

CD/DAT Selector

## Top-of-the-line 3-head stereo cassette tape deck Advanced Technology for Superb Fidelity

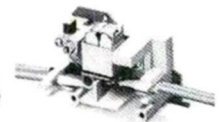
- **Three-head design** uses super DX recording and playback heads. The cores are wound with ultra high conductivity PC-OCC copper wire for improved music fidelity.
- **Exclusive Bias Shield Head Block** shields playback head from recording flux during recording to enable more accurate monitoring from playback head.
- **AMTS (ANTI-Modulation Tape Stabilizer)** of special resonance-damping system applies approximately 2.2 lbs. of force on cassette shell to hold it in place and reduce vibration.
- **Advanced drive mechanism...** dual capstan configuration achieves a "closed loop" effect for better tape to tape contact and improved tape drive stability.
- **Capstan's exclusive micro-grain finish** results in greater adhesion between tape and pinchroller.
- **Dolby HX Professional** operates during recording to ensure extended high frequency response with any type tape.
- **dbx** achieves an astonishing 120dB of dynamic range for recording that capture the wide dynamics of digital sound sources.
- **Dolby B and C** noise reduction systems for optimum versatility.
- **Manual bias and recording sensitivity** adjustment achieves flatter frequency response and optimum performance.
- **Electronic tape counter** has memory rewind and repeat system.

### Specifications:

<b>Frequency Response</b>	10Hz—20kHz (± 10dB, Normal tape) 10Hz—21kHz (± 10dB, CrO <sub>2</sub> tape) 10Hz—22kHz (± 10dB, Metal tape)  20Hz—18kHz (± 3dB, Normal tape) 20Hz—19kHz (± 3dB, CrO <sub>2</sub> tape) 20Hz—20kHz (± 3dB, Metal tape)
<b>S/N Ratio:</b>	95dB (dbx on, Metal tape) 80dB (Dolby C on, Metal tape, above 5kHz)
<b>Dynamic Range:</b>	120dB (dbx on, at 1kHz)
<b>Wow &amp; Flutter:</b>	0.025% (WRMS)
<b>Heads:</b>	Record: Super DX head Playback: Super DX head Erase: Double-gap sendust head
<b>Motors:</b>	DC servo motor x 1, DC motor x 1
<b>Output Level Impedance:</b>	Line out: 530mV/47k ohms or higher Headphone: 2.7mW/32 ohms
<b>Power Source:</b>	120V, 60 Hz
<b>Power Consumption:</b>	32W
<b>Dimensions:</b>	(WxHxD): 16 <sup>15</sup> / <sub>16</sub> " x 5 <sup>3</sup> / <sub>8</sub> " x 16 <sup>5</sup> / <sub>8</sub> "
<b>Weight:</b>	17.8 lbs.

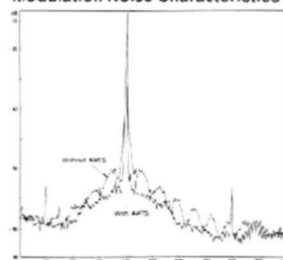
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HX Professional originated by Bang & Olufsen.  
dbx is a trademark owned and registered by dbx.  
Please check the laws on copyright relating to recording from discs, radio, or external tape for the country in which this machine is being used.

**Bias Shield Head Block** Recording and playback heads are firmly mounted and enclosed in a heavy diecast alloy head block that reduces modulation noise. In addition, a unique bias shield reduces interference between heads during recording enabling more accurate monitoring from the playback head.

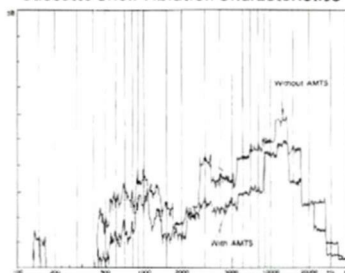


**Anti-Modulation Tape Stabilizer (AMTS)**  
Aiwa's AMTS is made of a special resonance-damping rubber; firmly holds cassette shell to reduce vibration. Modulation noise is reduced along with unwanted shell vibration, also azimuth and left/right phase accuracy are dramatically improved.

Modulation Noise Characteristics



Cassette Shell Vibration Characteristics



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