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Three-head performance plus Dolby* C noise reduction, in a superbly designed high-performance package.

AD-3500

Equipped with Dolby* C noise reduction circuitry, this exciting 3-head model offers high performance, exotic styling and a host of convenient new features.

DX Record/PB combination head

A cost-effective 3-head design, once just a dream of deck designers, is now a reality. The AIWA DX combination head employs a laminated permalloy and non-magnetic layered construction for high head core linearity, while the guard area is composed of extra-durable sendust. Ideal for metal tapes as well the more common formulations, the DX head design ensures 3-head performance once believed impossible at the AD-3500's price.

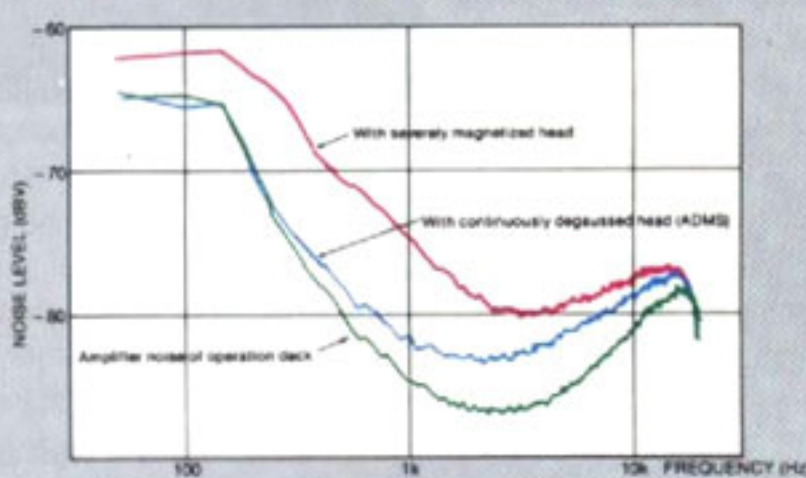


Automatic Demagnetizing System (A.D.M.S.)

An essential maintenance job on 3-head cassette decks is now performed automatically, every time the unit's power is switched on. AIWA's ADMS circuit, which activates a special built-in oscillator each time the power button is depressed, effectively returns the residual magnetization in the head to zero. Result: no head saturation to mar the sound quality of recordings.

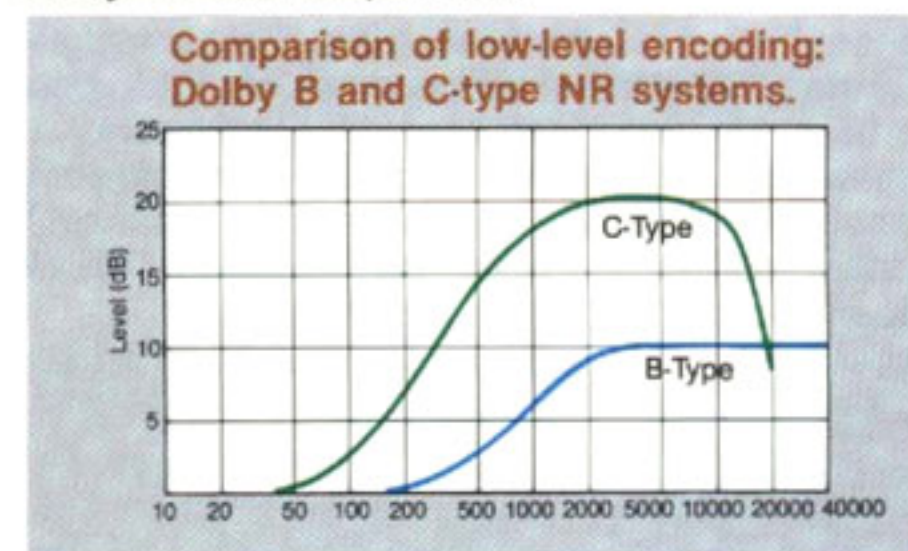


Effect of ADMS operation (Playback noise analysis)



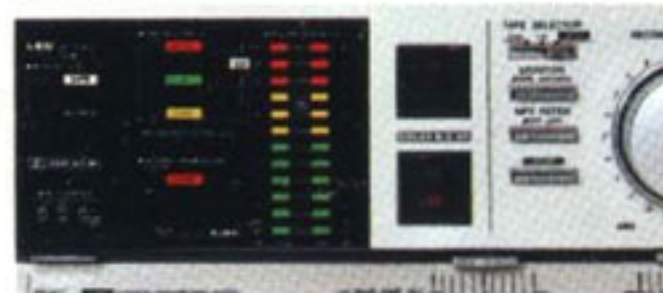
Dolby* C noise reduction system

Although many new compander-type noise reduction formats have appeared on the audio scene in recent times, none have come close to achieving the standardization and acceptance of the highly popularized Dolby "B" system. However, with the introduction of high performance CrO₂ and metal tape formulations, a strong demand has developed for a more effective system. The Dolby "C" noise reduction circuitry in the AD-3500 does more than simply reduce tape hiss and residual noise—it also processes signals with incredible fidelity. Thus the superb 79dB signal/noise ratio (Dolby "C" on, Metal tape) only tells half the story; the other half is the starting quality of the music, free from "breathing" noise and other compander problems. To provide effective noise reduction for already recorded tapes, the AD-3500 is also equipped with a separate Dolby "B" switch position.



Esoteric front panel design

An eye-catching array of LEDs display peak input levels from -20 to +10dB, also provide spectacular display of function and mode settings. Neatly placed controls include compact slide adjusters for LH bias fine and output volume levels.



Stable tape transport

A reliable DC servo motor and flat belt for better transmission efficiency combine with AIWA's exclusive micro-grain process capstan for extra transport stability. Low 0.035% (WRMS) wow and flutter ensures that sound reproduction is never marred by mechanical imperfections.

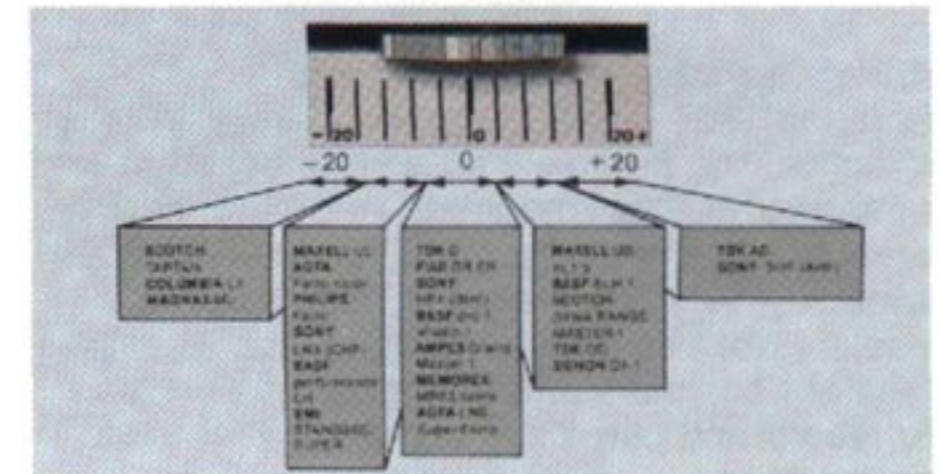
Soft-touch controls

Activated with light finger pressure, the slim bar-style controls provide quick, positive mode switching. Cue and review enable audible monitoring during fast forward and rewinding.



Bias fine adjuster for LH/Normal tapes

One of the most welcomed AIWA deck standbys, this slide-type adjuster enables you to vary recording bias by plus or minus 20%, thus providing for ideal recording compatibility with a wide range of LH/Normal tape varieties.



Plus:

- Auto replay facility
- 3-position tape selector switch (CrO₂/Metal)
- Separately adjustable right, left record volume controls
- Switchable MPX filter
- Front panel mic and headphone jacks
- Timer standby recording and playback