

D-300M

Sansui Full-Logic Control Stereo Cassette Deck

■ AMPS—Automatic Music Program Search ■ Metal-Tape Compatible ■ Direct-O-Matic



D-300Ms



D-300MB

Sansui's D-300M Cassette Deck

Performance and Styling to Match Any Stereo System



D-300MS

D-300Mh

It was only a few short years ago when the very first cassette decks were introduced. These early decks could hardly be considered hi-fi by any standards and skeptics considered the cassette format technically limited to hi-fi applications. Obviously, tape and equipment manufacturers thought otherwise, for the cassette format today is the most widely established hi-fi tape format.

Sansui's D-300M is a good example of how far we've come. It's capable of utilizing the most advanced tape formulation available—metal—for wide dynamic range and low noise. Convenience hasn't been forgotten either; the tape transport controls are feather-touch sensitive with full-logic control and Sansui's "AMPS" (Automatic Music Program Search) lets you find programs on the tape with unparalleled ease. All in all, the D-300M is one talented performer.

nism are fully protected. Naturally, an end-of-tape shutoff system protects your precious tapes and the D-300M's transport.

AMPS stands for Automatic Music Program Search

Anyone who's ever used a cassette deck has probably become frustrated attempting to locate a particular program or the exact beginning of a program on a tape. Repeatedly rewinding and fast forwarding, checking the program, rewinding again... it can be an exasperating experience. But now Sansui's AMPS has come to the rescue. AMPS is a system that reads the "blanks" between programs. You can locate the beginnings of programs on a tape as easily as you can on a phonograph record.

button, the tape advances and stops when the beginning of the next program is found, ready for your next command. When the Rewind button is engaged instead of FF, the tape rewinds and stops at the beginning of the program you've just heard or recorded.

Play Mode

Following the same procedures as for the Stand by Mode, the tape will automatically start playing at the beginning of the next program or start replaying the program just heard.

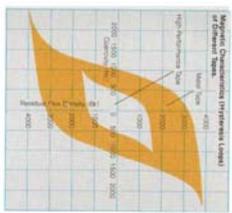
Sansui's Direct-O-Matic: Original, exclusive and effective

With Direct-O-Matic you have unhindered access to the heads and tape guides inside the cassette well. There are several advantages: One, you can easily flip over or replace a cassette. Two, it's no fuss to maintain the heads in a dust-free demagnetized condition. Three, cassette tapes may be viewed more easily. One improvement over Sansui's original Direct-O-Matic is the smooth, noiseless movement of the head assembly.

Metal tape uses microscopic pure (un-oxidized) iron particles to store musical information. The maximum output level of metal tape is about 10dB higher than any other tape. This means that dynamic range is increased and residual noise at higher frequencies will recede farther into the background for an improved signal-to-noise ratio. The coercivity of metal tape is also much better so that magnetic repulsion loss is reduced.

Metal tape capability: For widest dynamic range

What all this means is extraordinarily improved performance.



Double-Gap Ferrite erase head was designed for just this reason. It ensures total erasure so that no residual signal remains on the tape to mar future recordings.

Two-color LED Peak Level Meters: Easy-to-read, accurate

An accurate and reliable metering system is a necessity for achieving optimum, distortion-free recordings. The D-300M has such a system: two 24-segment LED arrays, one array per channel, flash the instant the calibrated level is reached. For more accuracy, two colors are employed: green LEDs for levels from -20dB to 0dB and red warning LEDs for levels from +1dB to +8dB.

Versatile Tape Selectors: For optimum results from any tape

Two switches allow you to match the bias and equalization of the D-300M to any of three types of tape including "normal" (Low-Noise/High Output), "high" (Chrome or Chrome-Equivalent), and "metal".

Dolby® NR: The proven "hiss" reduction system

The high-frequency tape noise commonly called "hiss" is effectively reduced by the built-in Dolby® noise reduction system without damaging the program material in any way. "Hiss" is reduced by as much as 10dB at 5kHz and above. An advanced IC circuit has been used to assure accuracy and stability.

The D-300M is capable of being remote controlled using Sansui's optional RS-7 infrared remote control unit. All control functions—record, play, stop, fast forward, rewind, pause, and even "mute-record"—can be operated from across the room. When the deck is set to the AMPS position, it's easy to locate and play back specific programs—all by wireless remote control.

Optional RS-7 for full remote control of the D-300M

timer.

Strictly Hi-Fi: More value-enhancing features

- REC MUTING allows you to leave "blank" spots between programs while taping without leaving the Record mode
- FRICTION-COUPLED LEVEL CONTROL'S facilitate simultaneous adjustment of record levels of both channels
- MIC/LINE INPUTS are designed for automatic switching of the recording amp to "MIC" whenever microphone plugs are inserted
- HEADPHONE JACK accepts standard stereo headphone plug for private listening during playback or source monitoring during recording.



Stand by Mode. Set the deck in the Play mode, then push the FF



The tape transport of the D-300M is controlled by the full logic of a built-in LSI microcomputer. Buttons operate with the lightest of touches, and in any order (you may go directly from Rewind to Play, for instance). The microcomputer ensures that there is sufficient delay between modes to prevent tape stretch, breakage or spillage. Tape and mecha-



Sansui's Hi-B Permalloy REC/PLAY head was specifically designed to handle the high currents necessary to record on metal tape. Conventional head designs just can't do the job. The Hi-B head delivers the necessary current and is highly resistant to saturation. Just as it takes a lot of current to record on metal tape, it takes a lot of current to erase metal tape. Sansui's Hi-B

Hi-B Heads: High current-handling capability

Dolby® NR: The proven "hiss" reduction system

REC MUTING allows you to leave "blank" spots between programs while taping without leaving the Record mode



timer.

