



* Black version is available.



Full-sized MD Recorder for Free-Style Digital Entertainment

■ ALPHA Processor for Smooth, Analog-quality Waveforms

The DMD-1600AL is equipped with DENON's highly-acclaimed ALPHA Processor which interpolates digital audio data originally recorded as 16-bit sound so that it can be output in a waveform of 20-bit quality that very closely approaches the smooth, natural shape of the analog audio signal. The ALPHA Processor suppresses quantization noise, long the devil of digital sound, so that the delicate nuances of the sound could be enjoyed in considerably greater depth and clarity.

■ High-Precision LAMBDA Super Linear Converter

Since the signal was reproduced by the ALPHA Processor in high 20-bit resolution, it needs to be D/A converted without even a trace of distortion. For this, the DMD-1600AL employs the LAMBDA Super Linear Converter (SLC). This technology has effectively eliminated zero-cross distortion by shifting the zero cross point. The ears are thus able to enjoy a clean, transparent sound, rich with musical expression.

■ Enhanced Dual-bit DELTA SIGMA 20-bit A/D Converter

The DMD-1600AL uses a 64-times oversampling, enhanced Dual-bit Delta Sigma 20-bit A/D converter that features superior sound localization, and not only produces a deep, rich sound space but provides excellent linearity at low volume levels and a high S/N ratio.

Specifications

■ Audio Section

Audio channels 2 channels
 Recording system Magneto-optical overwriting system
 Playback system Optical pick-up system
 Signal compression system .. ATRAC
 (Adaptive TRansform Acoustic Coding)
 Frequency response 4 Hz - 20 kHz
 Signal-to-noise ratio 107 dB
 Dynamic range 98 dB

■ Digital REC Volume Control

The DMD-1600AL provides a Digital REC Volume control which is used to adjust the digital input signal recording level in a range from +12 dB to $-\infty$. The recording level can be freely adjusted to ensure a uniform level when recording from a variety of digital sources.

■ A Wealth of MD Editing Functions

- DIVIDE, COMBINE, MOVE, ERASE, DISC NAME ERASE, ALL NAME, ERASE & UNDO
- PROGRAM MOVE
This function lets you move the recorded tracks by program.
- REHEARSAL
This function lets you check the editing in advance.
- DISC RECOVERY
This function recovery the effective recording area of MD.

■ Other Useful Features

- Sampling Rate Converter (32 kHz, 44.1 kHz, 48 kHz)
- Auto REC Pause for Speedy Recording Operation
- Level Synchro Recording for Auto Recording Startup
- Character Input Function
- 5 Repeat modes (Single-Track, A-B Track, All Tracks, Program, Random)
- Programmable playback of up to 25 selections
- External Monitor Function
- Memory Recording Function
- Stereo/Mono Selectable Recording Function

Sampling frequency 44.1 kHz
 Wow and flutter Below measurable limits

■ Other Specifications

Power supply AC 230 V, 50 Hz
 Power consumption 22 W
 Dimensions 434 (W) x 134 (H) x 340 (D) mm
 Weight 6.7 kg

*Design and specifications are subject to change without notice.