

DENON

5-Disc DVD Audio/Video Carousel Changer

DVM-4800

Top-quality 5-Disc DVD Audio/Video Changer with AL24 Processing Plus and Progressive Scan

The DVM-4800 is endowed with many of the most advanced technologies currently available, providing you with the most stunning and realistic experience in sight and sound. For sound, it is Denon's high-end AL24 Processing Plus, to bring out the best of DVD-Audio, and for video it is Progressive Scan, to masterfully reproduce the high resolution picture quality of DVD-Video. The DVM-4800's 5-disc carousel gives you extremely flexible Repeat and Program playback options, and the Remote In/Out terminals let you easily connect and control another device.



AL24 Processing Plus Progressive Scan



■ Carousel Changer System

In the DVM-4800's carousel changer system, any of the other 4 discs can be replaced while one of the discs is in play.

■ AL24 Processing Plus

The DVM-4800 uses Denon's newly-developed AL24 Processing Plus for the L/R channel D/A converter section to support DVD-Audio's 24-bit, 192-kHz wide dynamic range format as well as stunningly smooth, clear playback from conventional 16-bit CDs. This solid digital audio technology, inherited from Denon's high-end pure audio separate components, ensures you are treated to the best that both DVD-Audio and your existing CDs offer.

■ 24-bit, 192-kHz D/A Converter for Optimum Sound Quality

With DVD-Audio, 2-channel playback gives you a maximum sound resolution of 24 bits at 192 kHz, while dynamic 6-channel surround playback is performed at a maximum of 24 bits at 96 kHz. The DVM-4800 incorporates the latest, highest resolution Digital-to-Analog Converters from Burr-Brown. These newly enhanced PCM-1704 DACs, now support the maximum resolution 24-bit, 192-kHz 2-channel sound that DVD-Audio can offer. For dynamic multi-channel playback, the DVM-4800 uses a suite of 24-bit, 96-kHz D/A converters that ensure you experience the best of surround sound sources.

■ Audio Only Mode

The DVM-4800's Audio Only mode, operated by pressing a button on the front panel, turns off the video circuitry so that high-frequency interference from these sections does not disturb the purity of the DVD-Audio signal and high-quality sound can be maintained.

■ Bass Management

When playing DVD-Audio programs, the DVM-4800's Bass Management feature distributes all the low-frequency components contained in the Front L/R, Center, and Surround L/R channels to the subwoofer for output to let you enjoy an even more powerful, dynamic sound.

■ Progressive Scan

Progressive Scan technology represents a vast improvement over the interlaced scanning method used in TV broadcasts and other conventional applications, as it can process around twice as much video data to produce a sharper, noise-free picture with finer details. High-definition video images are faithfully displayed with optimum naturalness and beauty.

■ High-accuracy 12-bit, 54-MHz Video D/A Converter

The DVM-4800 is equipped with a 12-bit, 54-MHz video D/A converter to convert with ease the huge volume of high-grade digital video data into analog signals. This converter allows even the most delicate signals to be faithfully reproduced into the clear, detailed pictures displayed with Progressive Scan technology.

■ Super Sub Alias Filter

The DVM-4800 uses a Super Sub Alias Filter for the digital filter to optimize picture quality. This filter achieves attenuation characteristics of -3 dB in the ultra-high frequency band when the horizontal image is 6.25 MHz. Even at 8.25 MHz, the apparent outer limit of DVD-Video, the attenuation characteristic secured is above -60 dB, ensuring an ultra-high picture quality with superior horizontal line resolution.

■ 4 MB Buffer Memory

This unit is equipped with a 4 MB buffer memory to ensure that both picture and sound are played without interruption when the DVD disc shifts from layer 1 to layer 2, or in the rare event of a pickup dropout.

■ Brilliant Black

DVM-4800 can pass below black video via the video outputs for correct monitor setup and optimum picture quality.

■ Aspect Ratio Function for Correct Image Displays

When you want to view video images with an aspect ratio of 4:3 on a 16:9 Progressive TV monitor, the DVM-4800's Aspect Ratio function converts the images to the correct aspect ratio so that you can enjoy high-quality Progressive output on your screen. This function also converts 16:9 images for output to 4:3 TV screens.

■ Wide Selection of Playback Options

1) Program Play;

Program Play lets you play up to 32 tracks without interruption from any or all of the CD or DVD-Audio discs that you have loaded. (Program Play does not work with DVD-Video discs.)

2) Repeat Play;

A variety of Repeat Play functions are available for CD, DVD-Video, and DVD-Audio discs. They are as follows:

For CD: Repeat Track, Repeat 1 Disc, Repeat All Discs, Repeat CD Discs

For DVD-Video: Repeat Chapter, Repeat Title, Repeat All Discs,

Repeat DVD-V Discs

For DVD-Audio: Repeat Track, Repeat Group, Repeat All Discs, Repeat DVD-A Discs

3) Random Play;

Random Play is possible with CD and DVD-Audio discs, playing one disc at a time. For example, if a CD is loaded in Tray 1 and a DVD-Audio disc is in Tray 2 and Tray 2 is random selected first, Random Play plays all the tracks of that disc at random. When it finishes Tray 2, it random plays the disc in Tray 1. (Random Play does not work with DVD-Video discs.)

■ Fluorescent Display to Easily Distinguish Discs

With the DVM-4800, the display on the front panel indicates whether a loaded disc is a CD or a DVD so that you easily can monitor the kinds of discs that are loaded.



■ HDCD Decoder

HDCD is a digital recording technology, compatible with the conventional CD format, that significantly reduces distortion during recording to expand the dynamic range and realize high resolution. The HDCD decoder allows the DVM-4800 to play discs that have been recorded in

HDCD format and to bring out the superior sonic performance from these discs. Combined with DENON's advanced audio technology, the DVM-4800 masterfully reproduces HDCD's rich dynamic range and beautiful sound quality.

■ Virtual Surround Sound

Surround yourself with sensational 3D soundfield envelopment using just one pair of speakers. The DVM-4800's Virtual Surround mode provides a dramatic psychoacoustic surround sound effect, using two speakers with Dolby Digital, DTS, MPEG, LPCM, 2-channel or over recorded sources.

■ CD-R/RW (audio/MP3) Playback (*2)

Both CD-R and CD-RW discs can be played in the DVM-4800.

*2: Discs that have been poorly finalized following recording may be only partially playable or not playable at all.

■ Built-in Dolby Digital, DTS and DVD-Audio Decoders

■ On-screen Display

A simple press of the Display button on the remote controller lets you see the current operating status of the DVM-4800 within an easy-to-read display on screen. The various operations and settings are easily changed using the remote controller while monitoring the screen display.

■ Closed Caption

Provides on-screen closed captioning, similar to TV broadcasts, with DVDs that are closed caption encoded.

■ Remote IN/OUT Terminals

■ Auto Power OFF



Specifications

■ Video Section

- Signal system NTSC
- Disc played DVD Audio, DVD Video, Video CD, Music CD, CD-R/RW (audio/MP3)
- Video outputs 2 sets of Composite video output
2 sets of S-Video output
1 set of Component video output
- Composite output level 1 Vp-p (75 ohms)
- S-video output level Y output: 1 Vp-p (75 ohms)
C output: 0.286 Vp-p
- Component video output level Y output: 1 Vp-p (75 ohms)
Cb/Pb output: 0.648 Vp-p (75 ohms)
Cr/Pr output: 0.648 Vp-p (75 ohms)

■ Audio Section

- Audio outputs 1 set of Analog output (L/R)
1 set of 5.1-ch Analog output
1 set of Optical digital output
1 set of Coaxial digital output
- Audio output level 2 Vrms (1 kHz, 0 dB)

DVD linear audio

- Frequency response 2 Hz - 22 kHz/48 kHz sampling
2 Hz - 44 kHz/96 kHz sampling
2 Hz - 88 kHz/192 kHz sampling

CD audio

- Frequency response 2 Hz - 20 kHz/44.1 kHz sampling
- Signal-to-noise ratio 115 dB (CD/DVD)
- Dynamic range 100/108 dB (CD/DVD)
- Total harmonic distortion 0.0030/0.0025 % (CD/DVD)

■ General

- Power supply AC 120 V, 60 Hz
- Power consumption 22 W
- Dimensions 434 (W) x 131 (H) x 415 (D) mm
17.1" (W) x 5.2" (H) x 16.3" (D)
- Weight 7.2 kg, 15.9 lbs

*Design and specifications are subject to change without notice.

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*DTS is registered trademarks of DTS Technology.

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