

marantz®

DVD Player

DV9500



Also black available

DV9500 Multi format DVD player

The DV9500 represents Marantz' cutting edge design and engineering, enabling you to experience the true emotion in movies and music. Compatibility with virtually all of today's digital video and audio disc formats makes the DV9500 a true universal disc player. It allows you to enjoy the best of two worlds: music and movies, in stereo and multi-channel surround sound. It plays DVD-A, DVD-V, DVD-R/RW, SACD and CD-R/RW discs, including MP3 files. The top grade 216MHz/14-bit video DAC together with NSV provides inspiring video performances. Audio excellence is assured with a 24-bit/192kHz converter and the renown Marantz engineering skills with endless dedication to deliver the emotional value of the source as its creator intended. Enjoy the perfect choice in your home entertainment environment.

NEW



R A N G E S E R I E S

because music matters

Features

- High quality playback of DVD-V, DVD-A, SACD, SVCD, CD, MP3, DVD-R/RW
- PAL/NTSC progressive scan
- High definition video scaling
- HDMI video output
- Noise Shaped Video
- Symmetrical analogue audio board with customized components and dedicated power supply
- HDAMs for all 6 channels
- Dolby headphone
- In-house developed high quality mechanism

Benefits

- Ultimate disc compatibility; regardless which disc you put in, this dream machine will play it
- Offers improved picture resolution and eliminates virtually all motion artifacts
- Creating a perfect match with any high resolution video display device
- For a high quality, full bandwidth, uncompressed digital video signal transmission to a Marantz HD display or projector
- Provides the most accurate signal representation and enhances the picture quality
- Sublime audio quality in stereo and multichannel
- Achieving a more dynamic, accurate and detailed sound reproduction regardless the amount of channels
- Full multichannel enjoyment via your regular stereo headphone
- Near to errorless information retrieval of almost any 12cm disc

Technological glossary:

Digital and analogue perfection

To enjoy all of the video and audio materials, the DV9500 provides ultimate versatility with high quality video and audio performance. It plays SACD, DVD-Audio, and DVD-Video with Dolby Digital and DTS surround sound in either 2 channel or multi channel formats. It also plays DVD-R/RW and CD-R/RW and is even compatible with MP3 formats. For the ultimate in video performance the DV9500 features the latest 216MHz/14-bit video DAC and Analog Devices' NSV Precision Video. For both PAL and NTSC source material progressive scan is available ensuring higher resolution pictures. This is the player that embodies high quality convenience.

Premiere featuring on a DVD player: DTS 96/24 and Dolby Headphone

Dolby Headphone technology allows users to listen to music, watch movies, or play video games with the dramatic surround effects of a 5.1-channel soundtrack through any set of headphones. Best of all, "listener fatigue," a phenomenon commonly associated with headphone playback, is replaced by a spacious, natural sound field that listeners can enjoy for hours. DTS 96/24 allows for 5.1 channel sound track encoding at a rate of 96kHz/24 bits on DVD-Video titles. Higher sampling rates provide greater bit depth and allow a wider frequency response. In conjunction with the use of anti-alias and reconstruction filters DTS 94/24 results in a more transparent sound quality equivalent to the original soundtrack and is fully backwards compatible at the same time. Until the DV9500, Dolby Headphone and DTS-96/24 has only been featured on select PC and A/V receiver applications.

A true multi format player

Enjoy the fabulous world of stereo and multi channel audio! The DV9500 provides ultimate versatility with high quality video and audio performance from virtually any 12cm disc. Finally you can enjoy an incredible live-experience in your home as it was in reality. Not only the total ambiance is reproduced, but also the natural 'sound' of the instruments is being preserved. The DV9500 plays among others SACD, DVD-Audio, DVD-Video and of course CD DA discs. SACD is based upon the DSD conversion principle that links excellent specifications like a frequency range of 100 kHz and a dynamic range of 120 dB, to superb sound quality. It adds essential resolution and detail to the Multi channel audio setup, necessary for accurate correlation between front and rear channels. This combination of top-end audio performance and Multi-channel sound will give you a sensation that will totally change the way you experience music. DVD-Audio is one of the latest format of high standard audio.

It provides ultimate 2ch performance of 24bit/192kHz or 24bit/96kHz in six channel format. The DV9500 will allow its owner to benefit from the full performance of DVD-Audio.

Marantz HDAMs on all 6 channels

Audio devices are usually equipped with Op-Amps (operational amplifiers) for which Integrated Circuit (IC) are commonly used. Unfortunately these IC's do not match the very high requirements of Marantz. Marantz developed it's own discrete circuit boards to replace the IC's. These HDAM's consists of discrete surface mount components with short mirror image L/R signal paths. Those devices are doing exactly the same thing as the Op-Amps, but outperform the regular IC Op-amps dramatically in terms of the Slew Rate, resulting in a much more dynamic, accurate and detailed sound.

Superb video performance

The DV9500 uses the latest and most advanced 216MHz/14-bit video digital/analog converters and Analog Devices' Noise Shaped Video (NSV) for very high-quality picture reproduction. As a continuation of Analog Devices' development of enhanced picture quality, in a wide variety of applications and for many different video standards, the technology of Noise Shaped Video has been developed. This technology allows video images to be displayed at resolutions and lower effective signal to noise ratios well beyond what would be expected from the data converter by making use of the latest technological advances. The improvement takes place in parallel with the increased support to higher definition video standards including HDTV and progressive scan. The DV9500 provides unsurpassed progressive scanning for both NTSC as well as PAL material. Compared to a conventional interlaced picture, progressive scanning creates a picture signal with double the scan lines, resulting in a noticeably sharper image. The progressive image offers higher picture resolution and eliminates virtually all motion artifacts. Even on large screens, the progressive scan lines are barely noticeable and picture flickering is greatly reduced, so you can enjoy extended viewing without eye fatigue. The progressive conversion of the DV9500 is optimized for the high resolution and low noise of the DVD-Video format for both PAL and NTSC software. This enables the unit to preserve DVD-Video picture quality for display on all screen sizes from direct-view CRT to projectors. Progressive Scan is provided on both the HDMI as well as on the component output.

Video scaling

A video scalar combines the information in the odd and even fields of an incoming video signal into a combined, non-interlaced picture. Taking advantage of the latest electronics technology, the video scalar uses sophisticated, processing algorithms to manipulate the image, changing its resolution, refresh rate, and even aspect ratio, to exactly match the desired output specifications. When using a video scalar, a projector or display device is not forced to crop, distort, or further process the image in order to display it. The video scalar used in the DV9500 allow you to generate an output that exactly matches the native resolution of for example the Marantz DLP projectors or flat panel displays. It produces display-optimized video at a several output resolutions. Performing precision resolution upconversion on 576i (or 480i) DVD's, the DV9500 provides output video quality approaching High Definition (HD). Outputs spanning from 480p, 720p and all the way to 1080i are supported. The scaling is done within the digital domain and therefore exclusive for the HDMI output.

High-Definition Multimedia Interface (HDMI)

HDMI assures that pristine high-definition images retain the highest video quality from the source all the way to the display. HDMI combines high-definition video and superb audio in a single digital interface with a bandwidth of up to 5 Gigabits/second. HDMI on the DV9500 complies with High-bandwidth Digital Content Protection (HDCP) technology protecting high-value content from unauthorized reproduction and distribution. Marantz gives the consumer full digitalized interconnection from source to display and projectors with HDMI on the DVD players, AV Receivers and on our latest generation projectors and flat displays. The future is now.

For the ultimate in performance

The Marantz DV9500 represents the very cutting edge in precision digital engineering and replay performance. To realize its "no holds barred", new reference setting performance objective completely, Marantz engineers developed our own engine to transport the disc for jitterless information retrieval, decoding and subsequent audio and video processing. The DV9500 is the first of a new era of Marantz multi format players which has this in-house developed near to error less information retrieval mechanism.

Build in multichannel decoders

In order to benefit from the audiophile analogue audio performance from the DV9500 we have incorporated DD, DTS and MPEG multichannel DVD-V audio decoders. Dolby Digital is an advanced form of digital audio coding that makes it possible to store and transmit high-quality digital sound, far more efficiently than was previously possible. Apart from the Dolby Digital information, DVD software can also contain Digital Theater System (DTS) audio information. The compressed digital information offers five fully independent high quality channels, together with a sixth subwoofer channel.

CI friendly

To optimize equipment in terms of ease of use, Marantz has designed the D-Bus system. Individual devices inform each other in order to automatically tune to the customers demands. Also received remote control commands are communicated via this bus. This enables equipment without IR-receiver to be controlled via a Marantz Remote control. The addition of the RS232c port allows the DV9500 to be integrated with a number of control systems such as AMX and Crestron. Via this interface two-way communication is possible to control and get status feedback for example.

Bypacked accessories

- User manual
- Power cable
- Remote control
- Batteries
- AV cable
- D-Bus cable

RC9500DV (no picture available)



FEATURES

MULTICHANNEL/SURROUND

Built-in decoders: DD / DTS / MPEG / DTS96/24
 Virtual surround: DPL / DPLII / TruSurround / other
 Headphone surround Dolby Headphone

AUDIO/VIDEO ENHANCEMENTS

Pal 60 Conversion
 Progressive Scan: PAL / NTSC
 Digital Video Scaling (HDMI output only): 480p / 576p / 720p / 1080i
 CD Compatibility: CD / CD-R / RW / HDCD / SA-CD / WMA / MP3
 VCD Compatibility: VCD / VCD 2.0 / SVCD
 DVD Compatibility: DVD-V / DVD-A / DVD-R / DVD-RW (video) / DVD-RW (VR) / DVD+R/RW
 Image Disc Compatibility: JPEG / Picture CD
 HDAM: Standard / SA / Current Feedback
 HDAM cover: Gold plated / Copper plated / Metal / no shield
 Audio ex.
 Display On/Off
 Dedicated High Grade Audio Power Supply
 Power Transformer: Toroidal / EI
 High Grade Audio Components
 Customised Components
 Copper Plated Chassis
 System block shielding: Copper plated / Metal / none
 Chassis : Die-cast / Copper plated / Metal
 Double Layer Bottom Plate
 Low Noise LCD display

OTHERS

HDMI adjustments
 Selectable HDMI output level (normal / expand)
 DVi adjustments
 Selectable DVi output level (normal / expand)
 Selectable Filters for SA-CD
 Speaker config (SA-CD/DVD-A)
 Lip sync control
 External sync control
 Auto Aspect Ratio
 Still Picture
 Multi Language OSD
 Multi Channel Down Mix:
 MPEG2 / DD / DTS / DVD- Audio / SA-CD
 Video Adjustment
 Bi-directional control via RS232C

INPUTS/OUTPUTS

VIDEO
 Composite Out 2
 S-Video Out 1
 Component Out 1
 Gold Plated Cinch
 BNC output: Component / RGBhv / selectable
 Scart (RGB) 1
 DVi-D (with HDCP) - (compatible via HDMI)
 HDMI (with HDCP) 1
AUDIO
 Scart 1
 Analogue Out (Cinch) 2
 Multi channel out (5.1)
 Digital Coaxial Out / In 1/-
 Digital Optical Out / In 1/-
 Digital AES/EBU out -
 IEEE 1394 -
 Gold Plated Cinch
OTHER
 D.Bus In/Out
 RS232C

SPECIFICATIONS

D/A conversion (video) 216 MHz/14-bit
 D/A converter (video) ADV7314
 D/A conversion (audio) 192 kHz/24-bit (all channels)
 D/A converter (audio) CS4398
 Frequency response 4 Hz - 44 kHz (DVD fs) 96kHz)
 Frequency response 4 Hz - 100 kHz (SACD); 4 kHz - 88 kHz (DVD-A)
 Signal to Noise Ratio *
 Dynamic Range: CD / DVD *
 Total Harmonic Distortion (THD) *

GENERAL

Available colors: Platinum/Gold / Silver/Black
 Metal Front Panel
 Remote Control RC9500DV
 Power Consumption 24 Watts
 Detachable Power Cable
 Maximum Dimensions (W x D x H) 440 x 384 x 115 mm
 Weight 8.5 kg

Design and specifications are subject to change by Marantz without notice.

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