

marantz®

DVD Player
DV4600



DV4600 DVD player

The Marantz heritage of building only the finest CD & DVD players is evident throughout the DV4600. The player is capable to handle not only DVD, but CD, CD-Rs /RWs with music in MP3, WMA or even JPEG for a nice slight show of your homemade pictures. The DV4600 is an exceptional DVD player for the ideal home theater system, bringing DVD movies to life with stunning digital video and surround sound capabilities. The strict hand-selection of parts, for example, allows for the amazing sound and image quality. A dedicated remote control complements the versatility of the DV4600.

Also black available

NEW



R A N G E S E R I E S

because music matters

Features

- High quality playback of DVD-V, SVCD, DVD-R/RW, CD, MP3, WMA and JPEG discs
- PAL progressive scan
- 54MHz/10-bit video DAC
- 192kHz/24-bit DAC
- Solid metal front panel and a rigid metal chassis
- Display off possibility
- Marantz D.Bus

Benefits

- Versatile disc compatibility
- Offers improved picture resolution and eliminates virtually all motion artifacts
- Real life high grade video performance
- Faithful and accurate high quality performance for stereo playback
- Reduces vibration and provides a more accurate disc reading resulting in optimized sound and picture quality
- Improves the sound quality by eliminating high frequency noise from FL display
- Full system control

Technological glossary:

Extensive featuring at affordable price

The DV4600 succeeds the DV4500 with a new stylish design and chassis with a new environmental friendly interior. The combination of DVD-Video and Video CD playback, CD-R/RW playback, WMA and MP3 compatibility and JPEG slide show makes this player the versatile playback centre for any AV system. The DV4600 is a superb DVD player that can replace your CD player by also covering technologies that make life more fun. Enjoyable video quality is ensured given the high grade 54MHz/10-bit video DAC with PAL progressive scan on component out for stable pictures. And don't worry about the audio quality. Marantz engineers did a fine job in making it a musical product!

Progressing your video output

On the top of the already high quality video by RGB scart or S-Video signal Marantz added to the DV4600 a component output with progressive scanning for 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 DV4600 is optimized for the high resolution and low noise of the DVD-Video format for PAL software. This enables the unit to preserve DVD-Video picture quality for display on all screen sizes from direct-view CRT to projectors.

Digital audio on digital out

The DV4600 passes on any digital audio signal from a DVD-V disc regardless the format and without any loss of information. High quality "auditorium" sound in the home, that's what's offered by Dolby Digital! The Dolby Digital or AC-3 audio information, is mixed by the film studio and is added to the video information as compressed digital information. Cinemas all over the world are supporting the system and the Dolby Digital audio information is added to the DVD-format as standard. The format offers 5 fully independent high quality channels and the sixth channel subwoofer information is provided. Apart from the Dolby Digital information, DVD software can also contain Digital Theatre System (DTS) audio information. The compressed digital information offers five fully independent high quality channels together with a sixth subwoofer channel. DTS offers superb life experience and adds breathtaking effects to the film.

Supported compression formats

Compressed audio is very popular these days and the number of users is increasing day by day. Logically if you consider that 10 hours of music easily will fit on a single CD when the music is compressed using MP3 or WMA technology. The Marantz DV4600 is able to playback such encoded discs, giving you many hours of musical pleasure and fine sound quality. DV4600 is equipped with MP3 and WMA digital audio compression and JPEG digital video compression decoders. Since this player supports DVD-R/RW and CD-R/RW formats, it will play DVD-R/RW discs recorded in DVD recorders and other writers, and CD-R/RW discs containing files in MP3, WMA or JPEG format recorded on a PC.

NTSC Playback on PAL TV sets

Elementary differences between the America NTSC signal and the PAL signal, causes problems for many European vision products. Therefore Marantz is offering full compatibility. The synchronization frequency is altered to European standards, making the picture feasible for PAL TV sets.

Marantz D-Bus system control

To optimize a Marantz system solution in terms of ease of use, Marantz has designed the D-Bus system. Individual Marantz devices equipped with this special bus system inform each other in order to automatically tune to the customers demands. Also received remote control commands are communicated via this bus, throughout the Marantz system solution chain. This enables equipment without IR-receiver, like a cassettedeck or tuner, to be controlled via the receivers system remote control. In combination with a simple external IR receiver, it's even possible to control a fully hidden system.

Environmental friendly

Every electronic equipment product is built of single electrical components that are made of different material and substances. Marantz assure that the components used in our products are free of any dangerous material or substance to keep our environment clean. We have for example removed hazardous substances like lead in the solder.



FEATURES

MULTICHANNEL/SURROUND

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

AUDIO/VIDEO ENHANCEMENTS

Pal 60 Conversion
 Progressive Scan: PAL / NTSC •/-
 Digital Video Scaling (HDMI output only): 480p / 576p / 720p / 1080i / 1080P -/-/-/-/
 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 1
 S-Video Out 1
 Component Out 1
 Gold Plated Cinch -
 BNC output: Component / RGBhv / selectable -/-/-
 Scart (RGB) 1
 DVi-D (with HDCP) -
 HDMI (with HDCP) -

AUDIO
 Scart 1
 Analogue Out (Cinch) 1
 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) 54 MHz/10-bit
 D/A converter (video) MN2DS0005
 D/A conversion (audio) 192 kHz/24-bit
 D/A converter (audio) PCM1782DBQR
 Frequency 4 Hz - 44 kHz (DVD fs response) 96kHz)
 Frequency response -
 Signal to Noise Ratio 115 dB
 Dynamic Range: CD / DVD 98 dB / 100 dB
 Total Harmonic Distortion 0,0045%
 (THD) (CD)

GENERAL

Available colors: Platinum/Gold/ Silver/Black -/-/•/•
 Metal Front Panel •
 Remote Control RC6600DV
 Power Consumption 12 Watts
 Detachable Power Cable -
 Maximum Dimensions (W x D x H) 440 x 313 x 65 mm
 Weight 2.4 kg

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

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