marantz®

2005

Home Theatre



COPPER PLATED CHASSIS
A copper plated chassis provides the best shielding against noise or electromagnetic distortion radiating from other components in the equipment. It prevents this noise from being amplified together with the audio signal.

CURRENT FEEDBACK
Current Feedback amplification is a well known, Marantz' original circuit technology. The Current Feedback amplifier technology fits perfectly with the high requirements set for Super Audio software providing wide-bandwidth, high-speed reproduction. The impedance at the Current Feedback point is limited resulting in a very low phase shift. Marantz receivers and amplifiers equipped with Current Feedback can keep the phase compensation via Negative FeedBack (NFB) to a minimum, resulting in high through-rate, excellent transient response and superb sonic transparency for the full bandwidth. Unlike conventional Voltage Feedback amplification, the Current Feedback amplification makes the power amplifier in-sensitive to difficult loudspeaker loads.

DAC
Digital-to-analog converter. Circuitry that converts digital data (such as audio or video) to analog data.

DCDi
The DCDi (Directional Correlation De-interlacing) circuit improves the video image by using new motion adaptive de-interlacing without introducing motion artifacts and jagged edges. This circuit provides edge and detail enhancement without the deleterious side effects. These chipsets have been chosen for their 10-bit processing of video images as well as their incredible flexibility.

DOLBY DIGITAL EX (DD EX)
Dolby Digital EX brings a dimension of depth, spacious ambience and sound localization to home theatre environment. The benefits of DD-EX include more realistic flyover and fly-around effects from an additional rear center speaker (6.1), providing a more stable image for atmospheres and music and a more consistent surround effect throughout the auditorium or home viewing area.

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.

DOLBY PRO LOGIC IIx
Dolby Pro Logic IIx is a complete surround sound solution that maximizes the entertainment experience from stereo as well as 5.1-channel encoded sources. Dolby Pro Logic IIx technology features Movie and Music modes that function with 5.1 as well as stereo sources, including 24-bit / 192 kHz and 24-bit / 96 kHz sources. Dolby Pro Logic IIx technology delivers a natural and immersing 7.1-channel listening experience to the home theater environment.

DTS ES 96 / 24 Neo:6
The DTS-ES surround system offers a superb sound quality and a range of formats. The Discrete 6.1 offers the ultimate quality of surround field creation, while the Matrix 6.1 provides compatibility for the existing DTS 5.1 software. And the Neo:6 is to create 6.1 surround stage from any two channel source. DTS 96 / 24 allows for 5.1 channel sound track encoding at a rate of 96 kHz / 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.

DVD-AUDIO
DVD-Audio is a music format that takes advantage of the high storage capacity of the DVD to present high quality audio up to six channel. For six channel amplification, DVD-Audio provides the possibility to have 24 bit-96 kHz audio information for all six channels, which results in an increased dynamic range (144 dB) and an increased frequency range (0-96 kHz).In a two channel amplification, DVD-Audio expands the limit of the sampling rate to 192 kHz.

DIGITAL VIDEO INTERFACE (DVI-D)
For high definition all-digital video to look its best, the data must be transferred from your digital source to your HD display or projector in pure digital form. In order for a DVD player to do its job, it has to convert video data from the digital domain to analog, and then back to digital again. This conversion process can cause high frequency attenuation, and loss of resolution and detail. The DVI-D output is a pure digital high bandwidth video interface. What you see on your screen is exactly what was digitally recorded dynamic, accurate and detailed sound.

HYPER DYNAMIC AMPLIFIER MODULES (HDAM)
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.

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 transmits video data digitally with a bandwidth of up to 5 Gigabits / second. Benefits include uncompressed digital quality, fewer cables and a small, user-friendly connector suitable for a wide range of components. HDMI on the Marantz' products complies with High-bandwidth Digital Content Protection (HDCP) technology protecting high-value content from unauthorized reproduction and distribution. HDMI has been designed to make it possible to handle the transmission of both digital video and digital audio with a single connector.

LIP SYNC
The digital processing and scaling of video displays can create a slight delay in the video signal. This delay makes audio tracks appear out of synch. Using sound delay (Lip Sync) you can slow the sound presentation to match the presentation of the video.

MARANTZ ROOM ACOUSTIC CALIBRATION (MRAC)
Based on our room acoustics knowledge and expertise already shown in products like the AX1000, the Marantz Room Acoustic Calibration (MRAC) was developed. The algorithms developed are derived from this amazing AV computer developed more than a decade ago. Taking into account reflections from walls, ceiling and floor and knowledge about psycho-acoustics, MRAC optimizes the sound for the room acoustics. With a supplied microphone placed on your listening position, a powerful DSP analyzes accurately and sets the sound configuration for your listening room. MRAC can tests and controls speaker configuration, trim, distance / delay and frequency response.

NSV
NSV Precision Video is used for very high-quality picture reproduction. This technology allows video images to be displayed at resolutions and lower effective signal to noise ratios well beyond that which would be expected from the data converter by making use of the latest technological advances. The improvement takes place in parallel with the simultaneous move to support more and more higher definition video standards including Progressive Scan and HDTV.

O.R.C.A FILTER
Marantz engineers developed a colour correction filter called ORCA (the Optical Reproduction of Colour Accuracy), which filters out the excess yellow, creating a very neutral white light that passes through the colour wheel. This results in the most accurate colour palette ever achieved in a video projector and has been balanced to meet the HD colour space (ITU-RBT709). This is an industry first and a Marantz exclusive!

PROGRESSIVE SCAN
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.

SRS CIRCLE SURROUND II
Circle Surround II is a powerful and versatile multi-channel technology designed to enable up to 6.1 multi-channel surround-sound playback from mono, stereo, CS encoded sources and other matrix encoded sources. CS-II places the listener 'inside' the music performances and dramatically improves the separation and image positioning of both hi-fi audio conventional surround-encoded video material, adding a heightened sense of realism.

SUPER AUDIO CD
Super Audio CD (SACD) is a next generation of music format that provides a more natural, ultra-high quality sound. It offers a smooth migration path to a higher quality sound, as all existing CDs can be played on the SACD player. Super Audio CD is based on the Direct Stream Digital (DSD) technology, which uses 1 bit delta-sigma modulation and a sampling frequency that is 64 times higher than that of the CD. This enables the Super Audio CD to offer a frequency range up to 100 kHz and a dynamic range of 120 dB.

SUPER-RING TRANSFORMER
Super-ring transformer has the same advantage with a toroidal transformer such as high efficiency, stability, and speed. In addition the super ring transformer outperforms the toroidal transformer on certain aspects. Thanks to its round shape of the core, the super ring transformer's electro-magnetic radiation and mechanical vibration are extremely low.

THX ULTRA2
THX Ultra2 incorporates two additional processing technologies: Advanced Speaker Array (A.S.A.) and Boundary Gain Compensation (B.G.C). ASA is a proprietary of THX technology which processes the sound fed into 2 surround and 2 surround back speakers to provide the optimum in enveloping surround sound reproduction. When placing the 2 surround back speakers close to each other and build your home theatre setup using 8 speakers, ASA will create the largest possible sweet spot in your surround sound field. Boundary Gain Compensation provides an optimized bass balance in case the listening room layout results in most of the listeners being seated close to the rear wall. This technology prevents a 'boomy' bass yet processes the appropriate bass reinforcement.

THX Select
THX Select technology delivers all the proprietary THX Home Theater features that reproduce accurate and stirring soundtrack audio – in a system optimised for smaller spaces (home environments of 2000 cubic feet or less). Offering this technology in mid-priced products that delivery top-quality sound, THX Select combines audio power and integrity with superior economic value.

THX Surround EX
THX Surround EX is the home version of this latest advance in hyper-realistic sound technology. Available exclusively in THX-licensed 'Ultra' and 'Select' series products, THX Surround EX decodes a back surround signal from the left and right surround channels on specially encoded DVD movie releases. Unlike products offering '6.1' channel decoding schemes, only select THX Certified components adhere to superior performance specifications through redirecting bass energy in the Surround back channels to the subwoofer, ensuring optimum bass performance, requiring Re-Equalization™ of the Surround back channels to match characteristics of the front and left / right surround channels and synchronising the Surround Back Left and Surround Back Right speakers in time and position relative to the listener, providing a seamless surround sound experience. The same technical standards for Surround back channels are maintained for Left and Right channel surround, eliminating compromise in channel separation, noise, headroom, bandwidth and decoding accuracy.

TOROIDAL TRANSFORMER
Toroidal transformer has several advantages over a normal EI core transformer. It is very efficient and therefore delivers more power compared to the same size of an EI core transformer. In addition, due to its shape, the electromagnetic radiation and the mechanical vibration are extremely low.

VIDEO CONVERSION
It can up convert the Composite signal to S-Video/Component and S-Video to Component; as well as down convert from S-Video to composite (the component signal is not down converted). This feature allows you to connect any source via a single component. In order to avoid synchronization the high quality video converter is equipped with digital video processing consisting of for example; 4H line memory, time based corrector, a triple 10-bit DAC, filed locking, VCR detection and anti aliasing filtering.

VISUAL EXCELLENCE PROCESSING
Gennum's VXP offers stunning image quality by applying the most advanced image processing techniques to all SD, HD and graphics signals including content adaptive de-interlacing of HDTV 1080i signals. The internal adaptive de-interlacer sets a new standard for motion processing, film mode detection and dynamic directional edge processing. With its10-bit signal path and high precision processing, VXP enables the newest generation of display technologies to fully utilize their ability to display 10-bit grey-scales and colours. Additional Broadcast quality algorithms that include adaptive noise reduction and detail enhancement remove unwanted noise while improving image detail for an uncompromised, cinematic High Definition experience.

Experience the perfection *of purity*

In order to truly appreciate the very best that music and movies have to offer, sometimes you have to go further.

To fully understand what its creator intended, you have to go inside the music or movie itself – to the very source of the idea.

Marantz Home Theatre products have been designed to bring you as close as possible, by accurately, reliably and faithfully reproducing music and movies exactly as their creator intended.

With more than 50 years successful experience, we combine uncompromising attention to detail with the very highest quality customised components. We are proud to introduce you to our latest range of Home Theatre products, and to offer you direct access to the very source – the purity of perfection.

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Ensuring *the perfect* reception

High-resolution sound can only be achieved with high quality, robust components and microscopic attention to detail. With symmetrical PCB layout for clean, clear signal processing, our 7.1 AV receivers are compatible with the latest in decoding – whilst unflinchingly adhering to the 50-year Marantz heritage of superb sound quality.

No *boundaries!*

Marantz has been ready for the Audio-Visual revolution since 1953. That was the year we launched our first prototype, the Model 1 Pre-Amplifier. It featured seven inputs, including one labelled for TV Audio! You see, even way back then we were encouraging a generation towards more complete home entertainment.

Dolby-developed AC-3, or 'Dolby Digital®', is the latest step toward realistic sound in the home. All Marantz AV Receivers incorporate Dolby Digital EX®, DTS-ES® and DTS Neo:6® decoding, in addition to Dolby Pro Logic IIx®. For even clearer centre channel processing, they feature a Home Theatre Equalisation function (HT-EQ). All models feature seven Discrete Amplifiers with a wide-band frequency of 10 Hz to 100 kHz, ensuring compatibility with SACD and DVD-Audio.

We have created the purest and most emotionally intense Multi-Channel experience by paying painstaking attention to signal paths, and an anti-resonant construction. The result is powerful seven channel amplification for the latest-generation surround sound decoding standards.

TECHNOLOGY TO LAST

Apart from featuring all the latest technology currently available, Marantz has focussed on the future. Utilising an RS-232C communication port (SR-5500 and above) and Multi-Channel Direct Inputs, Marantz AV Receivers are ready for tomorrow's technology, today!

UNLEASH THE POWER

The power ratings on all Marantz AV Receivers are stated as the industry standard 8 Ohms RMS. This is done to prevent any confusion that may arise.

The flagship SR-9600 THX Ultra2 model features seven Discrete Amplifiers capable of delivering 140 W of continuously clean and stable power. A massive super ring toroidal power transformer, oversized filter capacitors and current feedback circuits are all used to preserve the wide dynamic structure of music and movies.

EXPERIENCE THE EMOTION

All digital, analog and control circuits in the SR-7500, SR-8500 and SR-9600 models are separated and extensively shielded in their own enclosures to prevent cross-talk and other unwanted interference. Independent power supplies are used for the front panel display, audio and video sections.

INSTALLATION AND USER-FRIENDLY

Marantz AV Receivers are designed and engineered with extensive feedback from consumers, dealers and custom installation experts. Features like Multi-Room, DC triggers, IR inputs and an extensive array of both analog and digital input / outputs result in extremely flexible AV Receivers that best satisfy the requirements of today's high performance home entertainment systems.



SR-9600

AV RECEIVER

The SR-9600 is simply the best surround receiver we offer. It surpasses the performance levels of even separate components in both sheer brawn and subtle sophistication. THX Ultra2 certification – and power output of 140 W RMS from each of its seven current-feedback amplifiers – means the SR-9600 will recreate the sonic impact of dynamic movie soundtracks in the largest rooms. Intelligent cooling assures long term stability even under demanding conditions. Analog preamp circuitry features wide-band HDAM-SA2 modules. The oversized power supply include a toroidal transformer and Marantz-designed storage capacitors for quick response to rapidly varying sources. Dual 32-bit microprocessors handle surround decoding and 9-band parametric M.R.A.C. adjustments with outstanding speed and accuracy. Two AM / FM tuners let you listen to different stations in different areas of your home. Connectivity includes IEEE 1394 and a Marantz-optimised version of HDMI for accurate data transfer and software upgrade capability. The high definition display makes control and adjustment easy. Dolby Headphone produces a private, natural, non-fatiguing surround experience. An RS-232 port and 4 programmable 12 volt 'triggers' let the SR-9600 function in virtually any custom-designed home theatre system

- THX Ultra2® Certified
- 140 W x 7 - All Discrete Amplifier Stages
- THX Surround EX® Processing
- Dolby Digital EX®, Pro Logic IIx® (Movie / Music / Game)
- DTS 96 / 24, ES® (Discrete 6.1 / Matrix 6.1), Neo:6 (Cinema / Music)
- SRS Circle Surround II® (Cinema / Music / Mono)
- All Discrete 'Current Feedback' Amplifier Stages
- Dual 32-Bit Digital Surround Processing Chipsets
- 192 kHz / 24-Bit Cirrus Logic® DACs for all 7 Channels
- M.R.A.C. (Marantz Room Acoustic Calibration) System with equalistion
- Massive, High Energy Power Supply, Huge Toroidal Transformer
- Copper Plated Chassis
- HDMI Switching (2 in / 1 out)
- High-grade Video Up-conversion: Composite / S-Video to Component Video with line memory and TBC
- Built-in Dual AM / FM Tuners
- Dual Multi-Room / Multi-Source Capabilities with Discrete Commands
- Speaker A / B Switching
- Multi Speaker 'C' Output
- RS-232C Connection for System Control and Future Upgrades
- Lip Sync Control
- HD Compatible Component Video Switching (4 in / 2 out)
- 8 Assignable Digital Inputs (9 in Total)
- 1 IR Flasher Input and 1 IR Receiver Input
- 4 IR Emitter Outputs
- 4 Assignable DC Trigger Outputs
- Gyro-Touch Tuning
- Main Amplifier direct inputs
- Touchscreen Learning Remote (2-way)

• *See technical specifications for rear panel view*

Note: Product features highlighted in blue indicate improvements over SR-8500 model



SR-8500

AV RECEIVER

The SR-8500 combines extraordinary flexibility and rarely found simplicity. The THX Select designation assures accurate reproduction movie soundtracks. With 110 W per channel RMS, you can enjoy that sound in virtually any room through virtually all loudspeakers. The copper-plated chassis isolates internal circuits from interference. The oversized toroidal transformer keeps electromagnetic emissions to a minimum. Specially chosen storage capacitors assure long-term energy supply so amplifiers can reproduce the most demanding passages. M.R.A.C., Marantz Room Acoustic Calibration, uses an internal signal generator / analyser to bring you the best audible performance in any room. HDCD circuitry decodes your HDCD discs. Dolby Headphone surrounds you even when your source is stereo. The SR-8500 includes advanced video conversion with Line Memory and Time Base Correction to bring you the best video image. DVI (Digital Video Interface) switching is standard. Lip Sync lets you enjoy sound and image simultaneously. An RS-232 connector facilitates touch-screen control. There are two IR inputs, D-Bus (RC-5) connectors, and a pre-programmed / learning hand-held controller. Then there's Marantz sound quality. Refreshing, invigorating, relaxing.

- Full discrete wide range Current Feedback amplifiers delivering 7 x 110 W
- THX Select certified
- 32-bit DSP with THX Surround EX, DD-EX, DTS-ES, DTS96 / 24, CSII and DPL IIx
- HDCD compatible
- Dolby Headphone
- Marantz Room Acoustic Calibration
- High-grade Video Up-conversion: Composite / S-Video to Component Video with line memory and TBC
- Toroidal transformer, copper plated chassis and customised components
- DVi and component video switching
- Multi-Room / Multi-Source for audio and video with OSD
- Speaker A / B switching
- 192 kHz / 24-bit D / A converters on all channels
- Pure direct mode
- Video off mode
- Analogue down mix
- Adjustable cross-over settings
- Sound delay function (Lip Sync)
- RS-232C port for system integration and SW upgrades
- IR flasher inputs
- DC triggers
- Built-in AM / FM Radio Tuner with 50 random presets
- Learnable System Remote Control with macro functions
- Multi-Speaker 'C' Output

• See technical specifications for rear panel view

Note: Product features highlighted in blue indicate improvements over SR-7500 model



SR-7500

AV RECEIVER

The SR-7500 features THX Select certification and M.R.A.C. (Marantz Room Acoustic Calibration.) THX Select certification means that you'll hear movie soundtracks exactly as the director and sound editor intended. You'll hear the Marantz touch brought by using the finest capacitors, resistors, and other internal components. Seven 105 W 'Current Feedback' amplifiers deliver immediacy and impact. Marantz Room Acoustic Calibration corrects the acoustic variables in every home theatre system by analysing your room with microprocessor accuracy and correcting for anomalies. The SR-7500's video pedigree derives from format conversion with Line Memory and Time Base Correction to eliminate artifacts that mar reproduction on today's 'fixed pixel' monitors. Other features include a pre-programmed learning remote, front panel A/V inputs, RS-232 port for touch-screen control, 2 direct IR inputs, and 2 DC 'triggers' for custom installation applications.

- Full discrete wide range Current Feedback amplifiers delivering 7 x 105 W
- THX Select certified
- 32-bit DSP with THX Surround EX, DD-EX, DTS-ES, DTS96 / 24, CSII and DPL IIx
- Dolby Headphone
- Marantz Room Acoustic Calibration
- High-grade Video Up-conversion: Composite / S-Video to Component Video with line memory and TBC (Time-Based Correction) technology
- Component video switching
- Multi-Room / Multi-Source for audio and video with OSD
- Speaker A/B switching
- 192 kHz / 24-bit D/A converters on all channels
- Pure direct mode
- Video off mode
- Analogue down mix
- Adjustable cross-over settings
- Sound delay function
- RS-232C port for system integration and SW upgrades
- IR flasher inputs
- DC triggers
- Built-in AM / FM Radio Tuner with 50 random presets
- Learnable System Remote Control with macro functions
- Multi-Speaker 'C' Output

• See technical specifications for rear panel view

Note: Product features highlighted in blue indicate improvements over SR-5500 model



SR-5500

AV RECEIVER

The SR-5500 is equipped with seven equal 'current feedback' amplifiers, each producing 90 W RMS, sufficient for all but the largest rooms or most inefficient speakers. The 32-bit microprocessor decodes all Dolby and dts surround sound formats, and SRS' Circle Surround II. Consider the SR-5500's Multi-Source / Multi-Room capabilities. Look no further than the front panel inputs to conveniently plug in a camcorder. You'll appreciate the SR-5500's enhanced video conversion capabilities as you watch a full complement of sources through your monitor's high quality component video input. Want a customised system? The RS-232 port allows total control via a remote touch-screen. The on-screen display quickly guides you through setup. The SR-5500's 'Lip Sync' circuit assures you that sounds reach your ears at exactly the moment your eyes say they should.

- Full discrete wide range Current Feedback amplifiers delivering 7 x 90 W
- 32-bit DSP with DD-EX, DTS-ES, DTS96 / 24, CSII and DPL IIx
- Dolby Headphone
- Video Conversion – Composite to Component Video – with line memory
- Component video switching
- Multi-Room / Multi-Source for audio
- 192 kHz / 24-bit D/A converters on all channels
- Pure direct mode
- Adjustable cross-over settings
- Sound delay function (Lip Sync)
- RS-232C port for system integration
- Preprogrammed system remote control
- Built-in AM / FM Radio Tuner with 50 random presets
- On-Screen Display

• See technical specifications for rear panel view

Note: Product features highlighted in blue indicate improvements over SR-4500 model



SR-4500

AV RECEIVER

The SR-4500 boasts full 7.1 channel capability. And each of the 7 built-in amplifiers produces 80 W RMS. You'll enjoy Dolby Digital EX and DTS ES soundtracks thanks to 32-bit processing. Other surround formats include Dolby Pro Logic IIx, DTS Neo:6, and SRS Circle Surround II. Advanced 192 kHz / 24-bit D/A converters mean you'll hear everything with total accuracy. Connectivity? Extensive. There's a battery of audio and video inputs and outputs. Full Composite to S-Video conversion, too, for optimal picture clarity. Want audiophile performance? Depend on Pure Direct and Video Off modes to help you listen further into the music. Other features include a unique Simple Setup so you can enjoy your system quickly and effortlessly. The AM / FM tuner has 50 custom-name presets. The SRS TruSurround headphone output means you can be surrounded without disturbing anyone.

- Full discrete wide range amplifiers delivering 7 x 80 W
- 32-bit DSP with DD-EX, DTS-ES, DTS96 / 24, CSII and DPL IIx
- SRS TruSurround XT Headphone
- Video Conversion: Composite to S-Video
- Component video switching
- Surround Back speakers can also be used as 'Speakers B'
- 192 kHz / 24-bit D/A converters on all channels
- Pure direct mode
- Adjustable cross-over settings
- Front panel cursor control
- Easy setup function
- Preprogrammed system remote control
- Built-in AM / FM Radio Tuner with 50 random presets

• See technical specifications for rear panel view

SMARTHOUSE ★★★★★ 2005 BEST OF THE BEST AWARDS

Best Surround Amp / Receiver under $2,000.

Smarthouse Best of the Best Awards 2005.

"What really grabs the attention about the SR-4500 is the sound: it has power, speed and weight, and can do hard driving just as well as it does subtlety and detail .... the extra performance the Marantz offers more than justifies the additional outlay."
Home Cinema UK, December 2004

The wonder of *sound and vision*



Marantz audio visual components are at the forefront of a revolution: a new world of home entertainment that brings the highest quality picture and sound into the comfort of your living room.

Marantz DVD players provide you with the perfect sonic and visual performance. State-of-the-art construction, superb circuit design and the ultimate in system flexibility enable this range of players to provide the ultimate in movie-watching pleasure. High-spec video engines and laser assemblies bring you pictures with stunning realism. From alien landscapes to lingering close-ups, every scene of every film is delivered with vivid clarity.

In designing the audio section of this generation of DVD players, Marantz has employed all its long acclaimed hi-fi expertise in CD players to produce true musicality and sonic precision. Highly sophisticated decoding technologies are utilised to provide the very best performance, including the latest Dolby Digital and DTS formats. Progressive Scan is another technology utilised in all Marantz DVD Players, ensuring the best possible visual reproduction of the DVD medium. And for ultimate performance, our top-of-the-range DVD Players are equipped with HDMI outputs (full bandwidth, uncompressed Digital Video).

Three models in the new Marantz range (DV-9500, DV-7600 and DV-6500) are Universal Players, offering superb reproduction of DVD-Audio / Video, as well as Multi-Channel / 2-channel SACD.



DV-9500

UNIVERSAL DVD PLAYER

The DV-9500 includes many examples of Marantz's best engineering and refined circuitry with carefully chosen internal components. It supports DVD, DVD-A, SACD (stereo and multi-channel), CD, CD-R, CD-RW, VCD 2.0, SVCD, and MP3 discs with built-in Dolby Digital and dts decoders and true DSD processing for all SACD. A dual-transformer power supply separates circuits to eliminate interference. Analog audio circuitry includes unique high current HDAM modules mounted on a separate circuit board for extra isolation. The chassis includes a double-layer bottom plate to minimise vibrations and the transport mechanism is highly damped to minimise tracking problems that can affect both picture and sound. Video circuitry includes a separate progressive-scan 10-bit D/A converter in addition to the main 216 MHz / 14-bit video processor. NSV (Noise Shaped Video) circuits further reduces video noise for extraordinary reproduction. Conveniences abound. There's a customisable start-up screen, parental controls, an HDMI video output. And an RS-232 port for total system control.

- High quality playback of SACD, DVD-A and DVD-V
- High definition video scaling
- PAL / NTSC progressive scan
- 216MHz / 14-bit video DAC and Noise Shaped Video
- High Definition Multimedia Interface (HDMI)
- Symmetrical shielded analogue audio board with customised components
- Dedicated power supply for analogue circuitries
- Marantz Hyper Dynamic Amplifier Modules (HDAM) on all 6 channels
- DD, DTS and DTS96 / 24 decoding
- Dolby Headphone
- Sound delay function (Lip Sync)
- RS-232C port for system integration



DV-7600

UNIVERSAL DVD PLAYER

The DV-7600 combines audio expertise with advanced video circuitry to satisfy the most avid home entertainment enthusiast. It handles DVD, DVD-A, SACD (stereo and multi-channel), CD, CD-R, CD-RW, VCD 2.0, SVCD, and MP3! With true DSD processing for SACD. Video circuitry includes a 216 MHz / 12-bit D/A converter supplemented by the separate 10-bit progressive processor. NSV (Noise Shaping Video) adds detail and dimensionality. Adjustable Lip Synch insures that sound and image blend perfectly. The DV7600 benefits from Marantz's proprietary HDAM® audio circuits. There's adjustable-delay bass management. A double-layered chassis bottom plate controls micro-vibrations that could affect both audio and video. Enhanced connectivity includes simultaneous HDMI, Component, S-Video, and Composite video outputs. Analog audio outputs include both 5.1 and stereo supplemented with coaxial or optical digital. Adding flexibility and extra control to custom-installations, there are features such as discrete on / off command codes, D-Bus and RS-232 connections.

- High quality playback of SACD, DVD-A and DVD-V
- Compatible with SVCD, CD, WMA, MP3, JPEG and DVD-R / RW
- High definition video scaling
- PAL / NTSC progressive scan
- 216 MHz / 12-bit video DAC and Noise Shaped Video
- High Definition Multimedia Interface (HDMI)
- Marantz Hyper Dynamic Amplifier Modules (HDAM)
- DD and DTS decoding
- Sound delay function (Lip Sync)
- High grade audio components
- 192 kHz / 24-bit DAC for all 6 channels
- RS-232C port for system integration



DV-6500

UNIVERSAL DVD PLAYER

Quality universal players are difficult to find. But the DV-6500 combines universality and quality in a uniquely Marantz fashion. It handles movie DVD, DVD-A, SACD, conventional music CD, recordable CD-R / -RW, VCD 2.0 discs, MP3 and WMA audio discs, even JPEG picture discs! The Marantz DV-6500 includes internal Dolby Digital and DTS decoders. Six 192 kHz / 24-bit digital-to-analog converters make everything sound exceptionally lifelike. Shut off the DV-6500's video circuitry completely for the purest audio signal path possible. Internal bass management circuits route DVD-A and SACD audio channels directly to the proper speakers. Video technology includes advanced 3:2 pulldown circuitry and wide bandwidth video D/A converters for exceptional picture quality. Composite, S-Video, and component outputs? Progressive scan? Of course! Conveniences include advanced on-screen display, parental controls, front panel menu operation, and a hand-contoured remote. Connectivity options include a variety of audio and video outputs. There's a D-Bus connector for total system control.

- High quality playback of SACD, DVD-A and DVD-V
- Compatible with SVCD, CD, WMA, MP3, JPEG and DVD-R / RW
- Progressive Scan (on PAL and NTSC software)
- 54 MHz / 10-bit video DAC
- DD and DTS decoding
- Audio Ex(clusive) mode
- 192 kHz / 24-bit DAC for all 6 channels
- Full speaker configuration for all audio formats
- Solid metal front panel and rigid metal chassis
- High quality Component Video outputs
- Cursor leaf control on front panel
- Marantz D-Bus



DV-4500

DVD PLAYER

The DV-4500 is more than just a DVD player: It handles movie DVDs, CD (and their -R and -RW cousins), VCD, MP3 and WMA music discs, and photo discs with JPEG pictures. It delivers high image quality thanks to a true progressive scan output. You'll also appreciate the flutter-free movie reproduction provided by the 3:2 pulldown circuitry. Of course you can select composite, S-Video, or component outputs. Sound quality is Marantz-standard, whether you choose stereo or multi-channel analog or coaxial or optical digital outputs. Conveniences range from on-screen display through parental control to front-panel menu operation.

- High quality playback of DVD-V
- Compatible with SVCD, CD, WMA, MP3, JPEG and DVD-R / RW
- Progressive Scan (on PAL and NTSC software)
- 54 MHz / 10-bit video DAC
- Display off possibility
- Solid metal front panel and rigid metal chassis
- High quality Component video outputs
- Cursor leaf control on front panel
- Multi language On Screen Display
- Marantz D-Bus
- Dedicated remote control

ZS-5300

MULTI-ZONE CONTROL AMPLIFIER

Specifically designed as a simple solution for those who want to extend high quality audio from their main entertainment area to many rooms in a home, the ZS-5300 brings Marantz excellence to the custom market with a full 60 W RMS output from each of its six channels. It will direct up to three separate sources to three different rooms or zones. Need even more coverage? Simply use up to three ZS-5300s for nine-zone capability. Party Mode lets you send the same signal throughout your home. You'll find front panel source and zone status indicators. And 'pass through' pre-amp outputs so you can add a more powerful amplifier if needed. An RC-5 remote connection, local input capability, and 12 V 'trigger' outputs complete the list of custom-friendly features. Sound quality? Well, suffice it to say that 'Custom Retailer', an influential magazine serving professional installers, said that the ZS-5300 had the "speed and clarity" of our famous MA-500 monoblock amplifiers and delivered a "sense of authority that is missing from lesser amps designed for Multi-Room use."

- 6 x 60 W (All Discrete Amplifier Section)
- Identical Audio Circuits for all 6 Channels
- Matrix Audio Selector
- Multiple Zone / Source Indicators
- Connection for up to 3 Source Components
- 3 Independent Zones (rooms)
- Expandable to 9 Independent Zones
- Party mode
- Dedicated Pre-out connection
- DC Trigger output connections with status
- RC-5 connections
- Remote Control

• *See technical specifications for rear panel view*

Distributed Audio



Zone 1 – Dining Room

Zone 2 – Outside Area

Zone 3 – Formal Lounge Room



CC-4300

CD CHANGER with RS-232 interface & dedicated remote

The CC-4300's five-disc carousel mechanism guarantees endless music without the bother of having to change discs. It plays CD-R and CD-RW, as well as offering a variety of random and repeat modes for optimum flexibility with your music. Both coaxial and optical outputs are provided, as is the Marantz D-Bus system to make the CC-4300 an easy addition to any system.

- 1-bit 8 times oversampling
- Reliable high quality mechanism
- Random and repeat modes
- D-Bus
- RS-232C port



SD-4050

DOUBLE CASSETTE DECK with D-Bus

The SD-4050 dual transport cassette deck offers wonderful flexibility. Two auto-reversing transports, one record / play, one play only, boast full logic controls for convenient tape handling. High torque DC servo motors under microprocessor control insure jam-free operation. Super-hard Permalloy record and playback heads get full-frequency audio signal on and off your tapes without the distortions and compressions typical of lesser materials.

- Autoreverse twin-deck design allows continuous play and record from one loaded tape to another
- Profiled combination heads and anti-resonant front panel ensure faithful reproduction with wide dynamic range and minimal wow and flutter
- Peak level read-out, fine bias tuning and synchro start of tape and CD ensure accurate and professional style home recordings
- One-touch dubbing with hi-speed option
- Dolby B / C and Dolby HX-Pro for low noise and extended high frequency response
- Manual recording level allows user adjustment
- Pitch control for changing key and tempo
- MPX filter removes stereo pilot tone from FM broadcasts
- Timer option for unattended recording and auto-switch on / off

SR-4320

STEREO RECEIVER 2 x 80 W (8 Ohm RMS)



The Marantz SR-4320 Stereo Receiver is a full-featured stereo control centre that combines exceptional sound quality with a host of performance and convenience features including remote control operation. The SR-4320 includes seven audio inputs including phono to accommodate a variety of music sources, and features a fully discrete amplifier section for clear and powerful sonic performance. This versatile unit can also function in high quality multi-zone installations

- Heavy-duty power amplifier
- Video output for VCR and Monitor Out
- Video inputs for DSS, VCR and DVD
- Speaker A and B outputs - A, B, A+B, OFF
- Preamp outputs / Main-In inputs
- Full function remote control
- D-Bus connections with Discrete IR command

MA-6100

125 W THX-ULTRA CERTIFIED MONO POWER AMPLIFIER



As all Marantz AV Receivers are equipped with 'Pre-out' outputs, the MA-6100 Mono-block amp can be added to provide more power to any channel

- THX Ultra® Certified – designed and engineered to the very highest standards for the finest surround sound experience
- Current Conversion Noise Eliminator (CCNE) eliminates rectifier noise and preserves high frequency fidelity
- Non-tarnishing gold-plated terminals
- High power output delivers a huge 125 W (RMS into 8 Ohms), rising to a powerful 180 W into demanding 4 Ohm speakers
- Invert out to BTL connection
- Video signal sensor automatically activates and deactivates the unit so there's no need to scramble for the power switches
- Remote operation possible via D-Bus interface

Sound, *technology*, performance

The new Marantz SR-2400 / DV-2400 Lifestyle System takes you closer to the summit of home audio visual technology with more style than you ever dreamed possible. It combines reference-setting styling with breathtaking performance, to enrich the quality of your relaxation time, enhance your home and bring your personal music experience to life. But don't be distracted by the sophisticated good looks.

These are state-of-the-art audio visual components that precisely recreate the drama, passion and detail of performances – whether playing music or watching movies.

The system's DV-2400 DVD Player (equipped with Component Video and PAL / NTSC Progressive Scan technology) decodes Dolby Digital® and DTS® formats, while the superb SR-2400 AV Receiver's newly-designed built-in Digital Amplifiers deliver 50 W of continuous power to the front, rear and centre channels.

For enjoying music, simply use the AV Receiver's AM / FM Tuner or pop a music CD into the DVD Player (which also plays CD-Recordable and CD-Rewritable discs).

SR-2400 / DV-2400 System



Wide, bright *and beautiful images*



The Marantz VP-12S3 set new standards of high-end DLP video projection. Its successor, the new VP-12S4 is simply jaw-dropping. We began with the newest 'Dark Chip 3' version of Texas Instruments' DLP processor augmented by a seven-segment colour wheel for minimal pixelisation and better dither and video noise reduction. We added a new lens to the already legendary array of Konica-Minolta optics. And we improved flexibility by increasing vertical lens shift adjustments to allow more flexible mounting. But the crowning achievement is a completely new video processing engine co-developed by Marantz and Gennum. It is the most powerful video processor ever included in a consumer or professional video display device and offers true motion adaptive de-interlacing of all non-progressive sources – HD included – with inverse telecine (3:2 pull-down), jagged edge reduction circuitry, true 10-bit colour depth (over 1 billion colours!) and a new level of installer flexibility. Until you've seen the VP-12S4's smoothness and film-like realism, you simply aren't equipped to select a video projector



VP-12S4

VP-12S4

HIGH-END 16:9 DLP PROJECTOR

- Single chip DMD video projector (HD2+)
- State of the art Marantz co-designed 10-bit Gennum video processor
- High contrast ratio of over 3800:1
- Selectable IRIS
- 200 W low flicker DC SHP lamp
- Custom made reference setting optics
- Wide lens shift range
- Marantz designed ORCA filter
- New standard lens
- Sealed optical path and double sealed cabinet structure
- Two High Definition Multimedia Interface (HDMI) inputs
- Extensive picture adjustment possibility

VP-16S1

HIGH-END 16:9 DLP PROJECTOR

- True 16:9 Panel
- One-chip DLP mirror technology avoids 'screen door' effect to give seamless images with striking definition
- Compatible with virtually any video signal and all TV standards (NTSC, PAL and SECAM)
- Image size up to 250 inches (508 cm) across diagonal with a high-brightness (600 ANSI lumens) display reproduces high-contrast grey scales and well-saturated colours
- Aspect ratio options include 4:3 standard and 16:9 anamorphic 'unsqueezed' formats. Pixels not required for the chosen format are automatically turned off for true black borders
- Faroudja de-interlaser and cinema detection
- Up and down lens shift
- Horizontal and Vertical Keystone adjustment
- 10-bit digital signal processing
- No light leakage
- High contrast (1100:1) for excellent video performance
- Quiet operation – below 30 dB
- Component and RGB input
- 853 x 480 resolution
- 3 Faroudja chips (decoding, doubling, enhancing)
- 3:2 Progressive Scan Film Detection
- RS-232C control
- 2 triggers for screen control
- Quality Minolta lens



Stay *in control*

Our programmable system controllers have been designed to bring all the elements of your home into your hand. Uninterrupted pleasure is achieved through total control of your audiovisual environment. Fast universal learning means you only need one control to stay in control. Easy to program via your PC, with clear, simple operation with a single touch. And each one designed with your needs in mind.



16 MB MEMORY · USB · LCD TOUCH SCREEN · PC PROGRAMMABLE · 250 STEPS MACRO

RC-9500

PROGRAMMABLE TOUCH SCREEN SYSTEM CONTROLLER

The ultimate solution in remote controls...Full colour customisable remote control with virtually Limitless Number of Devices, Macros, Panels and Buttons. The best of the best. Get up to date upgrades and downloads directly from the Marantz web site!

- Large colour touch screen LCD display with 64K colours
- 16 Mb non-volatile memory
- IR / RF transmission capability (RF with optional RX-77 RF extender unit)
- 100% editable screen
- Direct access hardbuttons and cursor control
- Macro programming possibility under any button
- Device and page menu
- Clock and date indication with clock timer
- Transparent graphics and blending possibility
- Dedicated edit software (Wizz.it 9)
- PCF file format with CCF conversion possibility (via Wizz.it 9)
- USB communication port for PC connectivity

Wizz.9



8 MB MEMORY · USB · LCD TOUCH SCREEN · PC PROGRAMMABLE · 250 STEPS MACRO

RC-5400

PROGRAMMABLE TOUCH SCREEN SYSTEM CONTROLLER

- Large monochrome touch screen LCD display with 16 greyscale levels
- 8 Mb non-volatile memory
- IR / RF transmission capability (RF with optional RX-77 RF extender unit)
- Programmable direct access hardbuttons and cursor control
- Macro programming possibility under any button
- Device and page menu
- 100% Editable screen
- Dedicated edit software (Wizz.it)
- Clock and date indication
- Transparent graphics for easy background integration
- PCF file format with CCF conversion possibility (via Wizz.it)
- USB communication port for PC connectivity

Wizz.5



RX-77

RF EXTENDER

- Automatic RF to IR conversion with RC-5400 and RC-9500
- IR flood via multiple sending eyes and 4 flasher outputs
- Four flasher cables with twin IR emitters
- Selectable ID and channel combinations
- Approximately 30 metres RF operating distance (open air)
- Wall fixing possibility
- Power adaptor included



1 MB MEMORY · PC PROGRAMMABLE · LCD TOUCH SCREEN · 2 WAY REMOTE

RC-3200

PROGRAMMABLE TOUCH SCREEN SYSTEM CONTROLLER

- Monochrome touch screen LCD display with 4 greyscale levels
- 1 Mb non-volatile memory
- Two-way IR communication with Marantz SR-9300 and SR-12S1
- Programmable direct access hard buttons and cursor control
- Macro function with a large command capacity
- Large editable screen area
- Dedicated edit software (RC-3200 Setup)
- Clock and date indication
- Pre-programmed with Marantz IR codes
- NCF file format
- RS-232C communication port for PC connectivity
- Back lighting and beep function



PRE-PROGRAMMED SYSTEM REMOTE · 20 STEPS MACRO · PRE-PROGRAMMED SYSTEM REMOTE

RC-1400

UNIVERSAL LEARNING SYSTEM CONTROLLER

- LCD read out display
- Multiple display pages and functions with editable labels
- Programmable direct access hard buttons and cursor control
- Macro functionality with a large command capacity
- Clock and timer function
- Ergonomic design
- IR carries frequency from 14 kHz up to 70 kHz
- Blue EL back lighting for LCD and hard buttons
- Pre-programmed with Marantz IR codes
- Build-in universal IR code database
- Clone possibility

AV RECEIVERS

	SR-9600	SR-8500	SR-7500	SR-5500	SR-4500
FEATURES					
MULTICHANNEL SURROUND					
THX Ultra II / Select	•/-	-/•	-/•	-/-	-/-
THX Surround EX	•	•	•	-	-
DTS 5.1 / -ES / 96/24	•/•/•	•/•/•	•/•/•	•/•/•	•/•/•
Dolby Digital / Dolby Digital-EX	•/•	•/•	•/•	•/•	•/•
DPL / DPL II / DPLIIx	•/•/•	•/•/•	•/•/•	•/•/•	•/•/•
Circle Surround II	•	•	•	•	•
Headphone Surround	Dolby Headphone	Dolby Headphone	Dolby Headphone	Dolby Headphone	TruSurround Headphone
HDCD Decoder	•	•	-	-	-
SOUND ENHANCEMENTS					
Real Full Channel Power Drive (70%)	•	•	•	•	•
Pure Direct	•	•	•	•	•
Power Transformer: Super Ring / Toroidal / EI	-/•/- (Regulated)	-/•/-	-/-/•	-/-/•	-/-/•
Copper Plated Chassis	•	•	-	-	-
D/A Conversion: 192 kHz/24-bit / 96 kHz/24-bit	•/-	•/-	•/-	•/-	•/-
Digital Signal Processing: 24-bit / Precision 32-bit Decoding / 32-bit	-/•/-	-/-/•	-/-/•	-/-/•	-/-/•
Adaptive Double Differential Control / Quad differential DAC	-/-	-/-	-/-	-/-	-/-
System Block Shielding: Copper / Metal	-/-	-/-	-/-	-/-	-/-
High Grade Audio Components	•	•	•	•	-
Customised Components	•	•	-	-	-
HDAM: Standard / SA / SA2 / Current Feedback	-/-/-/-	-/-/-/-	-/-/-/-	-/-/-/-	-/-/-/-
HDAM Cover: Gold plated / Copper plated / Metal / Plastic / no shield	-/-/-/-/-	-/-/-/-/-	-/-/-/-/-	-/-/-/-/-	-/-/-/-/-
Chassis: Die-cast / Copper plated / Metal	-/•/-	-/•/-	-/-/•	-/-/•	-/-/•
OTHERS					
MRAC (Marantz Room Acoustic Corrections)	• (with Equalisation)	•	•	-	-
Easy Setup	-	-	-	•	•
On Screen Display: Main / Multi-Room	•/•	•/•	•/•	•/-	-/-
Variable Cross Over	•	•	•	•	•
Video Conversion	• (CVBS <> S <> Comp)	• (CVBS <> S <> Comp)	• (CVBS <> S <> Comp)	• (CVBS <> S <> Comp)	• (CVBS <> S)
Line Memory (video conversion)	•	•	•	•	-
Analogue Down Mix	•	•	•	-	-
Multi-Room: Shared Source / Multi-Source	-/• (Dual Multi-room)	-/•	-/•	-/•	•/-
Speaker A/B	• (Speaker A/B/C)	•	•	-	-
Lip Sync Control	•	•	•	•	-
Random Tuner Presets	50 (2 built-in Tuners)	50	50	50	50
Software Upgradable (RS-232)	•	•	•	-	-
Bi-directional Control via RS-232C	•	•	•	•	-
IN/OUTPUTS VIDEO					
Composite In / Out (incl monitor out)	6/4	5/3	5/3	5/3	4/3
S-Video In / Out (incl monitor out)	6/4	5/3	5/3	5/3	2/2
Component In / Out	4/2	4/1	4/1	2/1	2/1
Gold Plated In / Out (RCA)	•	•	-	-	-
DVi In / Out	2/1 (HDMI)	2/1	-/-	-/-	-/-
IEEE1394 (Firewire)	•	-	-	-	-
Multi-Room Video Out: CVBS / S-Video / Component / other	•/-/-/-	•/-/-/-	•/-/-/-	-/-/-/-	-/-/-/-
IN/OUTPUTS AUDIO					
Analogue In / Out	9/4	8/4	8/4	8/4	7/4
Digital Optical In / Out	4/1	4/1	4/1	2/1	2/1
Digital Coaxial In / Out	4/1	3/1	3/1	2/1	2/1
Gold Plated In / Out	•	•	-	-	-
Pre- Amplifier Out (channels)	7.1	7.1	7.1	7.1	7.1
Main Amplifier In	•	-	-	-	-
Multi-Channel In channels	7.1	7.1	7.1	7.1	7.1
OTHER					
Speaker Terminal: Gold plated screw / regular screw (all)	•/-	-/•	-/•	-/•	-/•
Multi-Room Speaker Terminal	•	•	•	•	-
Multi-Room D-Bus In / Out	•	•	•	•	-
D-Bus In / Out	•	•	•	•	•
External IR In / Emitter Out	1/4	-/-	-/-	-/-	-/-
IR Flasher In	1	2	2	-	-
RS-232C	•	•	•	•	-
DC Triggers	4	2	2	-	-
Front Inputs: Audio / Composite / S-Video / Digital (Opt)	•/•/•/•	•/•/•/•	•/•/•/•	•/•/•/-	-/-/-/-
AUDIO SECTION					
Power Output (8/4 Ohm RMS)	140/- W	110/- W	105/- W	90/- W	80/- W
Signal to Noise Ratio	105 dB	105 dB	105 dB	105 dB	105 dB
Frequency Response (Analogue In)	8 Hz to 100 kHz (+/- 3 dB)	8 Hz to 100 kHz (+/- 3 dB)	8 Hz to 100 kHz (+/- 3 dB)	8 Hz to 100 kHz (+/- 3 dB)	8 Hz to 100 kHz (+/- 3 dB)
Frequency Response (Dig In)	8 Hz to 45 kHz (+/- 3 dB)	8 Hz to 45 kHz (+/- 3 dB)	8 Hz to 45 kHz (+/- 3 dB)	8 Hz to 45 kHz (+/- 3 dB)	8 Hz to 45 kHz (+/- 3 dB)
Total Harmonic Distortion (THD)	0.0008	0.0008	0.08%	0.08%	0.08%
Input Sensitivity / Impedance	168 mV / 47 kOhms	168 mV / 47 kOhms	168 mV / 47 kOhms	168 mV / 47 kOhms	168 mV / 47 kOhms
GENERAL					
Available Colours: Platinum / Gold / Silver / Black	-/-/•/- (Black to be confirmed)	-/-/•/•	-/-/•/•	-/-/•/•	-/-/•/•
Metal Front Panel	•	•	•	•	•
Remote Control	RC-3200 (2-way comm.)	RC-8500SR	RC-8500SR	RC-5500SR	RC-5500SR
System Remote Control: Pre-programmed / Learnable / Touch Screen	-/•/•	•/•/-	•/•/-	•/-/-	•/-/-
Maximum Dimensions (W x D x H)	440 x 487 x 219 mm	440 x 476 x 184 mm	440 x 476 x 184 mm	440 x 463 x 163 mm	440 x 388 x 163 mm
Weight	26 kg	14.8 kg	14.8 kg	13 kg	12 kg

SR-9600



SR-8500



SR-7500



SR-5500



SR-4500



DVD PLAYERS

	DV-9500	DV-7600	DV-6500	DV-4500
FEATURES				
MULTI-CHANNEL/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 / SACD/ 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(clusive) Mode	-	-	•	-
Display On / Off	•	•	• (Audio ex.)	•
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	•	-	-	-
OTHERS				
HDMI adjustments	•	•	-	-
Selectable HDMI Output Level (normal / expand)	•	•	-	-
DVi Adjustments	-	-	-	-
Selectable DVi Output Level (normal / expand)	-	-	-	-
Selectable Filters for SACD	-	-	-	-
Speaker Config (SACD/DVD-A)	•	•	•	-
Lip Sync Control	•	•	-	-
Auto Aspect Ratio	•	•	•	•
Still Picture	•	•	•	•
Multi-Language OSD	•	•	•	•
Multi-Channel Down Mix: MPEG2 / DD / DTS / DVD-Audio / SACD	•/•/•/•/•	•/•/•/•/•	•/•/•/•/•	•/•/•/-/-
Video Adjustment	•	•	-	-
Bi-directional Control Via RS-232C	•	•	-	-
INPUTS/OUTPUTS				
VIDEO				
Composite Out	2	2	1	1
S-Video Out	1	1	1	1
Component Out	1	1	1	1
Gold Plated RCA	•	•	-	-
DVi-D (with HDCP)	- (compatible via HDMI)	- (compatible via HDMI)	-	-
HDMI (with HDCP)	1	1	-	-
AUDIO				
Analogue Out RCA	2	2	1	1
Multi-Channel out (5.1)	•	•	•	-
Digital Coaxial Out / In	1/-	1/-	1/-	1/-
Digital Optical Out / In	1/-	1/-	1/-	1/-
Gold Plated RCA	•	•	•	-
OTHER				
D-Bus In / Out	•	•	-	•
RS-232C	•	•	-	-
SPECIFICATIONS				
D/A conversion (video)	216 MHz/14-bit	216 MHz/12-bit	54 MHz/10-bit	54 MHz/10-bit
D/A converter (video)	ADV7314	ADV7310	MN35202	MN35202
D/A conversion (audio)	192 kHz/24-bit (all channels)	192 kHz/24-bit (all channels)	192 kHz/24-bit	192 kHz/24-bit
D/A converter (audio)	CS4398	CS4398	DSD1608	PCM1755
Frequency response	4 Hz - 44 kHz (DVD fs 96kHz) 4 Hz - 100 kHz (SACD); 4 kHz - 88 kHz (DVD-A)	4 Hz - 44 kHz (DVD fs 96kHz) 4 Hz - 100 kHz (SACD); 4 kHz - 88 kHz (DVD-A)	4 Hz - 44 kHz (DVD fs 96kHz) 4 Hz - 100 kHz (SACD); 4 Hz - 88 kHz (DVD-A)	4 Hz - 44 kHz (DVD fs 96 kHz) -
Signal to Noise Ratio	130 dB		115 dB	115 dB
Dynamic Range: CD / DVD	110 dB		98 dB / 100 dB	98 dB / 100 dB
Total Harmonic Distortion (THD)	0,0008%		0,003%	0,0045% (CD)
GENERAL				
Available Colours: Platinum / Gold / Silver / Black	-/•/•/•	-/-/•/•	-/-/•/•	-/-/•/•
Metal Front Panel	•	•	•	•
Remote Control	RC-9500DV	RC-7500DV	RC-6500DV	RC-6500DV
Maximum Dimensions (W x D x H)	440 x 384 x 115 mm		440 x 211 x 75 mm	440 x 211 x 75 mm
Weight	8.5 kg		2.2 kg	2.1 kg

CONTROLLERS

	RC-5500	RC-5400	RC-3200	RC-1400
FEATURES				
Display: Colour / BW	•/-	-/•	-/•	-/•
Screen Type: Touch / Display	•/-	•/-	•/-	-/•
Transmission IR / RF / 2w-IR / 2w-RF	•/•/-/-	•/•/-/-	•/-/•/-	•/-/-/-
Learnable: IR / RF	•/-	•/-	•/-	•/-
Pre-Programmed (RC-5)	•	•	•	•
Pre-Programmed (Other than RC-5)	-	-	-	•
Direct Access Buttons	18	18	20	54
Cursor Control	•	•	•	•
Programmable Direct Access Buttons	15	15	17	52
Transparent Graphics	•	•	-	-
Blending Transparency	•	-	-	-
Device Menu	•	•	-	-
Page Menu	•	•	-	-
Macro Programming: Macro Area / any button	-/•	-/•	•/•	•/-
Device Scroll	•	•	-	-
Page Scroll: Hard / Soft Keys	•/•	•/•	•/-	•/-
System Area: Fixed / Customisable	-/•	-/•	•/-	•/-
Contrast Control: Analogue / Digital	-/•	-/•	-/•	-
Label: Device / Page	•/•	•/•	•/-	-
Assignable: Device Action / Jumps	•/•	•/•	-/-	-
Adjustable Font Size	•	•	-	-
Backlight Screen: White / Blue / Green	•/-/-	-/•/-	-/•/-	-/•/-
Backlight Hard Buttons: Blue / Green	•/-	•/-	•/-	•/-
File Type	PCF	PCF	NCF	-
PC Editing Program	Wizz-it 9	Wizz-it	RC-3200 Setup	-
PC Software Compatibility	Win XP Pro	Win XP Pro	-	-
Setup Protection	•	•	-	-
PC Connection: Serial / USB	-/•	-/•	•/-	-/-
Clock / Date Indication	•/•	•/•	•/-	•/-
Timer	•	-	-	•
Motion Sensor	•	•	-	-
SPECIFICATIONS				
LCD Screen Size (W x H)	56 x 93 mm	56 x 93 mm	43 x 67 mm	24 x 40.5 mm
Editable Screen Area	100%	100%	80%	-
Resolution	320 x 240	320 x 240	160 x 100	5 x 7dot, 5 digit x 1 line
Colours	64,000	-	-	-
Greyscale Levels	-	16	4	1
Flash Memory Size	16 mb (48 Mb via SW upgrade)	8 Mb	1 Mb	512 kb
SRAM Memory Size	512 kb	512 kb	512 kb	-
IR Operating Distance	10 m	10 m	10 m	10 m
IR Angle	160°	160°	160°	160°
IR Carrier Frequency	56 kHz / 455 kHz	56 kHz / 455 kHz	56 kHz / 455 kHz	14 kHz - 70 kHz
Learning Distance	1-10 cm	1-10 cm	2-10 cm	5 cm
Learning Angle	15°	15°	15°	15°
RF Operating Distance (Open Air)	30 m	30 m	-	-
RF Carrier Frequency	434 MHz, +/- 100 kHz	434 MHz, +/- 100 kHz	-	-
2w-IR Operating Distance	-	-	10 m	20
Number of Commands per Macro	250	250	1000	5°-45°C
Operating Temperature	0°-50°C	0°-50°C	5°-45°C	
ACCESSORIES				
Recharging Dock Station	•	•	-	-
Cable for PC Connection: USB / RS232C	•/-	•/-	-/•	-/-
Rechargeable Battery / Normal Battery	•/-	•/-	-/•	-/•
Battery Type	NiMH 4.8 V	NiMH 4,8 V	AA (3 x)	AAA (3 x)
AC to DC Power Adaptor	•	•	-	-
Other	RX-77 (not included)	RX-77 (not included)	-	-
GENERAL				
Colour	Black metallic	Silver	Silver	Light Grey
Dimensions (W x H x L)	90 x 153 x 33.5 mm	89 x 149 x 38 mm	74 x 177 x 33 mm	57 x 224 x 30 mm
Weight (with batteries)	249 g	249 g	235 g	175 g
Weight (without batteries)	198 g	198 g	165 g	140 g

MULTI CD

	CC-4300
FEATURES	
Disc Capacity	5
Playback Formats	CD, CD-R, CD-RW
CD-Text	-
Chassis: Metal / Copper	•/-
Customised Components	-
High Grade Audio Components	-
Power Transformer: EI / Toroidal	•/-
HDAM: Metal / Copper / Gold	-/-/-
Variable Analogue Output	-
RS-232C	•
Program Play	32
Auto Music Scan (AMS)	-
Repeat: Track / All /A-B	•/•/•
Random Play	•
Peak Search	-
Index Search	•
Intro Scan/Shuffle	•
Edit Recording	•
Sync Recording	
INPUTS / OUTPUTS	
Analog Out (RCA)	•
Digital Optical Out	1
Digital Coaxial Out	1
Gold Plated RCA (RCA)	-
D-Bus In/Out	•
Headphone Out	•
Headphone Volume Control	•
SPECIFICATIONS	
Mechanism	na
Decoder	BA5979S
D/A Conversion	SM5882
Output Buffer	-
Dynamic Range	>92 dB
S/N	> 90 dB
Total Harmonic Distortion	0.004%
Channel Separation	> 90 dB
GENERAL	
Colour: Black / Gold	•/-
Metal Front Panel	-
Remote Control	•
Maximum Dimensions (W x H x D)	440 x 111 x 395 mm
Weight	6.0 kg

HOME THEATRE PROJECTORS

	VP-1254	VP-1651
FEATURES		
OPTICS		
Projection Technology	DLP	DLP
Aspect Ratio	16:9	16:9
Supported PC Resolution VGA / SVGA / XGA / WXGA / SXGA	•/•/•/•/•	•/•/•/•/•
Supported Video Formats: NTSC 3.58, 4.43 / PAL N, M, B/G / SECAM	•/•/•	•/•/•
Supported HD Formats	</= 1080i	</= 1080i
Focus Adjustment: Manual / Motorised	•/-	•/-
Zoom Adjust: Manual / Motorised	•/-	•/-
Vertical Lens Shift: Manual / Motorised	•/-	•/-
Horizontal Lens Shift: Manual / Motorised	-/-	-/-
Optics Sealing	•	•
Sealed Cabinet Structure: Single / Dual	-/•	-/•
Sealed Lamp Structure	•	•
Colour Wheel	7 Segment	Standard
Noise Cancellation	•	•
Active Fan Control	•	•
Optimised Dust Shielding	•	•
Light Leakage Reduction	•	•
ELECTRONICS & SOFTWARE		
Video Processor	Gennum	Faroudja
Video Processing	10-bit	-
Panel Drive Processing	10-bit	-
ORCA Filter	•	-
Natural Density Filter	•	-
Progressive Scan	•	•
Deinterlacing	VXP	DCDi
3-2 Pull Down	•	•
Gamma Processing	10-bit	-
Electronic Keystone Correction: Horizontal / Vertical	-/•	•/•
Picture Modes	3	3
Picture Memories	18	9
Picture Size Memory	•	-
Aspect Modes: Full / Normal / Through / Zoom	•/•/•/•	•/•/•/•
Colour Temperatures	5	3
Black Level Selection	•	•
Lamp Mode (Normal / Economy)	200 / 160 W	yes
Automatic Input Detection (RGB / Component)	•	•
Discrete Remote Control Coding	•	-
Colour Temperature Sensor (CT-12)	•	-
INPUTS/OUTPUTS		
Composite Video In	1	1
S-Video In	1	1
Component In (Y, Cb/Pb, Cr/Pr - RCA)	2	1
Component / RGBhv in (BNC)	-/-	-/-
RGB / HD In (D.Sub 15-pin)	1	1
DVi-D In	-	-
HDMI in	2	-
RS-232C	•	•
DC Trigger Out	2	2
Remote Control In/Out	•	•
SPECIFICATIONS		
DMD Type	HD2+	HD1
Panel Size	0.81" DMD	0.67" DMD
Aspect Ratio	16:9	16:9
Mirror Tilt Angle	12 degree	
Number of Pixels	1280 x 720	848 x 480
Active Area	1280 x 720	849 x 480
Active Area Aspect	16:9	16:9
Number of Panels	1	1
Contrast Ratio	3800:1	1100:1
Brightness: Normal / Economy	700 / 600 ANSI lm	600 / - ANSI lm
Lamp	SHP 200 W (DC)	SHP 150 W (DC)
Standard Lens	f: 30.7 - 44.5 mm / F: 3.0	f: 26.5 - 30.7 mm / F: 3.0
Projection Size	40"-250"	32"-200"
Projection Distance	1.5 m - 14.0 m	
Operating Temperature	5°-35°C	
Average Lamp Life (in hours)	2000	2000
GENERAL		
Colour: Off-white / silver+violet	•/-	-/•
Aluminum Diecast Chassis	•	•
Remote Control	RC-12VPS3	•
Feet Adjustment	15 - 61.8 mm	15 - 61.8 mm
Maximum Dimensions (W x D x H)	405 x 471 x 194 mm	405 x 471 x 132 mm
Weight	13 kg	13 kg

ZS-5300



MONO POWER AMPLIFIER

	MA-5100
FEATURES	
Channels	1
THX Ultra Certified	•
Auto Power On / Off	•
Peak Level Indicators	-
Power Transformer: EI / Toroidal / Super Ring -	•/-/-
Symmetric PCB Layout	-
Chassis: Metal / Copper	•/-
High Grade Audio Components	•
Customised Components	-
System Blocks Shielding: Metal / Copper	-/-
BTL Possibility	•
Separate Solid Heat Sinks	•
Standby Mode	•
INPUTS / OUTPUTS	
Audio Inputs	1 (mono)
External Control In (Composite)	•
Pre-out / Main-In	• (Invert out)/•
D-Bus In / Out	•
Gold Plated RCA	•
Speaker Terminal: Click-fit / Screw / WBT	-/•/-
AC Outlets: Switched / Unswitched	-/-
AUDIO SPECIFICATIONS	
Power Output (8/4 Ohm RMS)	125/180 W
Power Output (8/4 Ohm DIN)	145 / 200 W
Power Output (8/4 Ohm IHF)	165 / 220 W
Total Harmonic Distortion	0.02%
Bridged Power Output (8 Ohm RMS)	250 W
Damping Factor	60
S/N	116 dB
Channel Separation: 1 kHz	90 dB
GENERAL	
Colour: Black / Gold	•/•
Metal Front Panel	•
Remote Control	-
Maximum Dimensions (W x H x D)	88 x 146 x 470 mm
Weight	5.7 kg

ZS-5300

	ZS-5300
FEATURES	
Number of Channels	6 (Stereo x 3)
Output Power/Channel (6 Ohm)	60 W
Power Transformer	R-Core
Compact Class-D Amplifier	•
Discrete Amplifier Stage	•
Matrix Source Switcher	•
Common Input Source	3
Direct Input / Zone	1
Zone Expandable Connection	•
Global Control Function	•
Majority Keypads Compatibility	•
Dual Voltage Capability	•
IN/OUTPUTS AUDIO	
Analog L&R In (Common Source)	3
Analog L&R In (Zone Direct)	3
Pre Amplifier L&R Out	1 (Zone-3)
Speaker Out	3
Analog L&R Out	3
OTHER	
External Control In (Flasher In)	1
Status Out (DC 12 V)	3
D-Bus Remote (RC-5) In / Out	3
AUDIO SECTION	
THD (20 Hz - 20 kHz, 8 Ohms)	0.05 %
Input Sensitivity / Impedance	300 mV/20 kohm
Frequency Response (+/- 3 dB)	10 Hz - 30 kHz
S/N Ratio	85 dB
GENERAL	
Colour	Black
Front Panel	Aluminum
Remote Control	Device Remote RC-5300ZS
Power Requirement	AC 120 V / 230 V, 60 Hz
Power Consumption	100 W
Dimensions W x H x D (mm)	440 x 114 x 338
Weight (kg)	8.5

STYLE 2400 SYSTEM

DVD PLAYER	DV-2400
FEATURES	
Colour	Silver
Metal Front Panel	•
Remote Control	RC-2400DV
D-Bus	•
Decoder Built-In AC-3 / MPEG2 / DTS	•/-/•
Digital Outputs:	
Dolby Digital / MPEG2 / DTS	•/•/•
Optical	1
Coaxial	1
Connection Video Out:	
RCA	1
Scart	1
S-video	1
RGB Via Scart	1
Component Video	1
Connection Audio Out:	
RCA	Fixed x1, System Bus
OSD	• (5 Languages)
Language Choice:	
Disc Menu	•
Audio	•
Subtitle	•
CD-R Playback	•
CD-RW Playback	•
Compatible NTSC	•
Other	Built-In Decoder, Easy Connection Via System Bus
SPECIFICATIONS	
Playback Signal Format	DVD-Video, Video-CD, CD-Audio, DVD-R
Video Performance:	
Output	1 Vp-p (75 Ohm)
RGB Output	0.7 Vp-p (75 Ohm)
Video S/N	> 65 dB (Luminance)
Colour S/N	> 50 dB
Frequency Range:	
DVD (48/96 kHz)	4 - 22 kHz / 4 - 44 kHz
Video CD, CD (44.1 kHz)	4 - 20 kHz
D/A Conversion	24-bit/ 96 kHz
S/N (1 kHz)	> 100 dB
Dynamic Range (1 kHz)	> 100 dB
Channel Separation	100 dB
Total Harmonic Distortion (THD)	0.0025%
Cabinet Dimensions (W x H x D)	420 x 76 x 322 mm
Weight	4.2 kg

AV RECEIVER	PS-2100
FEATURES	
Colour	Silver
Metal Front Panel	-
Remote Control	RC-2400SR
D-Bus	•
Number of Channels	6
Number of Speakers	5
Inputs:	
Audio (Phono) / Visual In / Out	6 (0) / 4/2
6 Channel In / Digital Input	•/-
Tape / VCR In / Out	2
Signal Control	•
Tuner:	
Presets	50
Manual Station Name	• (8 Digit)
Speaker Connections:	
Front L/R	Screw Type
Centre Front	Screw Type
Surround L/R	Screw Type
Subwoofer	Pre-out RCA
Display Dimmer	•
Timer / Clock	•/•
SPECIFICATIONS	
Tuner FM band:	87.5 - 108 MHz
Sensitivity (Mono / Stereo)	2.5 uV
Selectivity	60 dB
Signal-to-Noise (Mono / Stereo)	75 / 68 dB
Total Harmonic Distortion (THD) (Mono / Stereo)	0.5 / 1.0%
Tuner AM Band:	531 - 1602 kHz
Sensitivity	50 uV/m
Selectivity	25 dB
Signal-to-Noise	50 dB
Amplifier:	
DIN Power Output into 8 Ohms (F,C,S)	45 W / 45 W / 45 W
Signal-to-Noise	90 dB
Frequency Range	20 - 20 kHz
Total Harmonic Distortion (THD)	0.05%
Damping Factor	n.a.
Cabinet Dimensions (W x H x D)	420 x 76 x 322 mm
Weight	6.5 kg

CASSETTE DECK

	SD-4050
FEATURES	
Tape Transports (Full Logic)	2
Auto Reverse	•
DC Servo Controlled	•
Super-Hard Permalloy Heads	•
Dolby B, C	•
2-Speed Synchro Reverse Dubbing	•
MPX Filter	•
Dolby HX Pro	•
Pitch Control	•
Automatic Tape Selector	•
Synchronised CD Recording	•
Quick Music Search	•
Auto Continues Play	•
Timer Record & Play	•
INPUTS / OUTPUTS	
Line In	2
Line Out	2
AUDIO SPECIFICATIONS	
Rewind Time	110 sec, C-60 cassette
S/N (3% THD)	> 74 dB
Recording Bias	100 kHz
Frequency Response	25-18 kHz, +/- 3 dB
Channel Separation	> 40 dB
Wow & Flutter	0.09% WRMS, +/- 0.1% w.Peak
GENERAL	
Colour: Black / Gold	•/-
Metal Front Panel	-
Maximum Dimensions (W x H x D)	440 x 116 x 230 mm
Weight	3.9 kg

STEREO RECEIVER

	SR-4320
AMPLIFIER SECTION	
Continuous Power Output (RMS)	
8 Ohms 20 Hz-20 kHz < 0.08% THD	2 x 80 W
4 Ohms 20 Hz-20 kHz < 0.08% THD	2 x 105 W
Frequency Response	10 Hz - 65 kHz + 0/- 3 dB
FM TUNER SECTION	
Frequency Range	87.5-108.0 MHz
Usable Sensitivity	IHF 2.0 µV/11.3 dBf
Signal-to-Noise Ratio	Mono / Stereo 70/65 dB
Distortion	Mono / Stereo 0.3/0.5%
Stereo Separation	1 kHz 32 dB
A.C.S.	±400 kHz 50 dB
Image Rejection	98.1 MHz 40 dB
Tuner Output Level	1 kHz ±75 kHz Dev 600 mV
AM TUNER SECTION	
Frequency Range	520-1710 kHz
Usable Sensitivity Loop	500 µV
Signal-to-Noise Ratio	40 dB
Distortion	1 kHz, 30% Mod. 1.0%
Selectivity	±10 kHz 25 dB
GENERAL	
Power Requirements	240 V, 50 Hz
Dimensions: H x W x D	164 x 440 x 365 mm
Weight	8.5 kg
Headphone Jack	•
Tone Controls / Source Direct	•/•
Banana Plug Compatible Speaker Terminals	•

SELECTION OF AWARDS

VP-12S2
VIDEO PROJECTOR OF THE YEAR '03
SOUND & IMAGE MAGAZINE, AUSTRALIA

SR-7300
AV RECEIVER OF THE YEAR '03
SOUND & IMAGE MAGAZINE, AUSTRALIA

DV-17
1ST PLACE READERS CHOICE '01
STEREOPLAY MAGAZINE, GERMANY

DV-8300
EUROPEAN AUDIO PLAYER 2002-2003;
EUROPEAN IMAGING AND SOUND ASSOCIATION

DV-8300
HIFI COMPONENT OF THE YEAR '02
MEDIA TOTAAL MAGAZINE, HOLLAND

DV4100 OSE
PRODUCT OF THE YEAR '01
WHAT HI-FI MAGAZINE, U.K.
SOUND AND VISION AWARD '01
WHAT HI-FI MAGAZINE, U.K.

SR-14mkII
1ST PLACE READERS CHOICE '01
STEREOPLAY MAGAZINE, GERMANY
HOME THEATER AWARD '01
HOME THEATER MAGAZINE, FRANCE

SR-9200
HOME CINEMA COMPONENT OF THE YEAR '02
MEDIA TOTAAL MAGAZINE, HOLLAND

SR-8000
GOLDEN EAR '01
AUDIO MAGAZINE, GERMANY

SR-6200
HOME CINEMA COMPONENT OF THE YEAR '02
MEDIA TOTAAL MAGAZINE, HOLLAND
HOME THEATER AWARD '01
HOME THEATER MAGAZINE, FRANCE

SR-4200
BEST BUY '01
WHAT HI-FI MAGAZINE, U.K.

AV-9000
GOLDEN EAR '01
AUDIO MAGAZINE, GERMANY

PM-17mkII
GOLDEN EAR '01
AUDIO MAGAZINE, GERMANY

PM-7000
GOLDEN EAR '01
AUDIO MAGAZINE, GERMANY
1ST PLACE READERS CHOICE '01
STEREOPLAY MAGAZINE, GERMANY

CD-17mkII
1ST PLACE READERS CHOICE '01
STEREOPLAY MAGAZINE, GERMANY

CD-6000 OSE
GOLDEN EAR '01
AUDIO MAGAZINE, GERMANY
1ST PLACE READERS CHOICE '01
STEREOPLAY MAGAZINE, GERMANY

CD-6000 OSE LE
BEST CD PLAYER '01
DIAPASON MAGAZINE, FRANCE

CD-6000 KI
BEST CD PLAYER '01
ON/OFF MAGAZINE, SPAIN

DR-6000
BEST RECORDING MEDIA '01
HOME ENTERTAINMENT MAGAZINE, U.K.

ST-6000
1ST PLACE READERS CHOICE '01
STEREOPLAY MAGAZINE, GERMANY

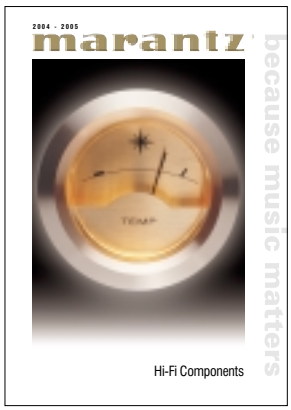
DV-18
DVD PLAYER OF THE YEAR '01
AVL MAGAZINE, AUSTRALIA

SR-18
AV RECEIVER OF THE YEAR '00
SOUND & IMAGE MAGAZINE, AUSTRALIA

SR-7400
AV RECEIVER OF THE YEAR '04
SOUND & IMAGE MAGAZINE, AUSTRALIA

SR-4500
BEST SURROUND AMP/RECEIVER UNDER $2,000.
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