

DVD-Audio/Video SACD Player**DVD-S2300**

If you're looking for a high quality DVD player that can also handle both DVD-Audio and SACD discs, the DVD-S2300 is an ideal choice. Designed first and foremost to deliver outstanding audio and video quality, this player will be the focal point of an impressive home theater system.



2-in-1 Design Plays DVD-Audio and SACD Discs to Bring You the Highest Quality from Every Kind of Disc.

Choose Your Audio/Video Source and Hear It at Maximum Quality: DVD- Video, DVD-Audio, SACD, CD, VCD, CD-R, CD-RW and MP3.

- DVD-Audio and SACD playback
- Progressive Scanning with DCDi* processing
- DVD-audio and SACD circuits completely independent
- High performance SACD DACs for all channels
- 192kHz/24-bit audio DAC
- 54MHz/12-bit video DAC
- DTS and Dolby Digital decoders
- Bass Management processing
- Video Off mode

DVD-Audio/SACD Playback

DVD-Audio and SACD (Super Audio CD) are new audio formats that offer stereo and multichannel (surround) sound with higher quality and greater sonic realism than ordinary CDs. They can also provide extra content like artist information and lyrics. Availability of these types of discs is increasing, although titles are not always released in both. But with the DVD-S2300, you don't have to choose between them — this player will play both.

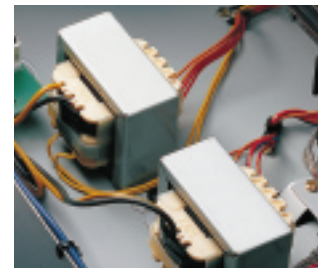


Progressive Scanning with DCDi Processing

Video displays use two types of scanning systems: interlaced and progressive. In brief, progressive scans twice as fast as interlaced, providing a superior picture with less flicker and other distortion. The DVD-S2300 has a progressive scan processor built in, so progressive video images can be viewed on a digital TV or monitor. It also offers DCDi, a processing technique that eliminates the jagged edges that generally appear in moving images when interlaced video is converted to progressive. DCDi makes a clearly visible difference and is a very desirable feature.

Exceptionally Good Sound Quality

The DVD-S2300 delivers sound quality that is superior even to some more expensive players for a number of reasons. It uses high performance SACD DACs for all channels and a 192kHz/24-bit audio DAC. The SACD and DVD-Audio circuits



Independent Digital and Analog Power Circuits and Transformers

DVD-S2300 DVD/SACD Player



are completely independent and optimized for each format (the SACD circuit is extremely simple and straight). This guarantees highest quality with both types of disc (format selection is provided). An Video Off mode can be selected to ensure that no interference from the video circuitry can affect the sound. This player even has independent digital and analog power circuits and transformers.

Multi-Bit Delta Sigma DAC

The DVD-S2300 uses a new multi-bit delta sigma DAC that features power supply performance superior to that of the previous types, as well as a dynamic range of over 120dB. The DVD-S2300 maximizes the potential of DVD audio by using this high performance DAC for all channel.



Bass Management

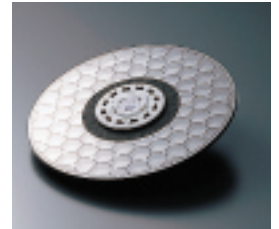
The DVD-S2300 provides Bass Management processing and a subwoofer/bass management output terminal. Bass management is important for DVD-Audio and SACD multichannel playback, as it properly routes the bass frequencies for best performance from a multi-speaker home theater system. With normal 2-channel (stereo) CDs, the bass frequencies are routed to the subwoofer, so you can enjoy "2.1" channel sound with more powerful bass.

Plays Back CD-R, CD-RW and MP3 Files

Recording songs onto CD-R/RW/VCD discs using computers and digital recorders is becoming more popular. The DVD-S2300 will play these discs, so you have an additional source of new music. It will also play discs recorded with MP3 files, which because they're compressed, can provide about 12 hours of music per disc.

Anti-Vibration Construction

Not all of the features that contribute to high sound quality are in the circuitry. The large disc stabilizer provides two benefits: by negating the effects of external vibrations, it reduces servo errors for stable playback, and it also allows the smooth playback of slightly warped discs. The top cover and bottom are actually double panels for extra weight and stability, and even if the unit is jarred, a shockproof memory prevents skipping.



Large Disc Stabilizer: By negating the effects of external vibrations, it reduces servo errors for stable playback, and it also allows the smooth playback of slightly warped discs.

The Inlet-Type Power Cable

The Inlet-Type Power Cable is separate, rather than attached to the unit. It is a thicker type than usual, for higher power handling capacity.



Finest Parts Used Throughout

- Epoxy Resin Coated and Containing Fiberglass PC Board
- Copper Foil and Polypropylene Film Capacitors
- Electrolytic Capacitors Using Fine Ceramic
- Non-Inductive Construction Capacitors
- Gold-Plated Relays
- Low-Impedance, Low-Noise Power Supply with Large Core Power Transformer
- Low-Loss, High Sound Quality Schottky Barrier Diode
- Gold-Plated Terminals for All Pin Jacks



DVD-S2300 Extensive Connections



DVD-S2300 Notable Features

Advanced Video Technology

- Progressive Scan Video Output
- DCDi* Processing for smooth and natural images without staircasing or jaggies.
- 3:2 Pull-Down Detection Type Progressive Circuit
- 4:4:4 Progressive Component Video Circuit for High-Quality YPbPr Signal Reproduction
- 54MHz/12-bit DVD-Video DAC for High Picture Quality
- 30P Video Compatibility

Sound Quality Technology

- DVD-Audio and SACD Playback
- DVD-Audio and SACD circuits completely independent (manually selectable)
- High performance SACD DACs for all channels
- 192kHz/24-bit DVD-Audio DAC
- DTS and Dolby Digital Decoders
- Independent Digital and Analog Power Circuits and Transformers
- Bass Management Processing
- Low-impedance power supply
- Video Off Switch
- Advanced Surround Mode
- Cinema Mode Selection (Normal, Cinema Image, User)
- Optical and Coaxial Digital Outputs for DTS Digital Surround, Dolby Digital and PCM
- Finest Parts Used Throughout
 - Epoxy Resin Coated and Containing Fiberglass PC Board
 - Copper Foil and Polypropylene Film Capacitors
 - Electrolytic Capacitors Using Fine Ceramic
 - High Sound Quality Audio Capacitors
 - Gold-Plated Relays
 - Low-Loss, High Sound Quality Schottky Barrier Diode
 - High-Capacity Low-Impedance Electrolytic Capacitor (20,000 µF)

Main Specifications

Disc Compatibility	SACD, DVD-Audio/Video, DVD+RW/+R, DVD-R/-RW, Video CD, Audio CD and CD-R/RW
VIDEO PERFORMANCE	
Video D/A Converter	54 kHz/12-bit (DVD)
Video Output	1 Vp-p/75 ohms
S-Video Output	Y 1 Vp-p/75 ohms C 0.286 Vp-p/75 ohms
AUDIO PERFORMANCE	
Audio D/A Converter	192 kHz/24-bit
Signal-to-Noise Ratio	(SACD, DVD, VCD & CD) 115 dB
Dynamic Range	(SACD) 108 dB (DVD 48 kHz, 24-Bit) 103 dB (CD/VCD) 99 dB

For details please contact:

- Gold-Plated Terminals for All Pin Jacks
- Shielding Audio PC Board
- Inlet-type Power Cable

Anti-Vibration Construction

- Anti-Resonance Double Top and Bottom Covers
- Shockproof Memory
- Large Disc Stabilizer

Versatility and Convenience

- SACD*, DVD-Audio*, DVD-Video*, DVD+RW/+R*, DVD-R/-RW, CD-R/RW**, VCD** (version 2.0 playback compatible) and CD* Disc Playback Compatibility
- MP3 (Multi-Session) Playback Compatibility***
- Easy Operation through On-Screen Menu Icons
- Extended IR Code for Custom Installation
- Still/Slow/Repeat Play
- Resume Play
- Program and Random Play
- Multi-Angle (9), Multi-Aspect, Multi-Language (8) and Multi-Subtitle (32) Capabilities

* Some discs cannot be played depending on the disc characteristics or recording conditions.

** Only compatible with discs that have been recorded in CD-DA format or Video CD format and finalized when recording is completed. Some discs may be impossible to replay depending on recording circumstances.

*** Some MP3 discs cannot be played depending on the disc characteristics or recording conditions.

Frequency Response	
(CD/VCD)	2—20,000 Hz
(DVD, 48kHz Sampling)	2—22,000 Hz (48 kHz sampling)
(DVD, 96kHz Sampling)	2—44,000 Hz (96 kHz sampling)
(DVD Audio, 192kHz Sampling)	2—88,000 Hz (192 kHz sampling)
Harmonic Distortion + Noise	
(SACD)	0.0016%
(DVD 48 kHz, 24-Bit)	0.002%
(CD/VCD)	0.0022%
Dimensions (W x H x D)	435 x 116 x 350 mm
	17-1/8" x 4-9/16" x 13-3/4"
Weight	8.7 kg; 19.2 lbs.

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- "DCDi" is a trademark of Faroudja, a division of Sage Inc.
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