

marantz®

SA-14S1

Super Audio CD Player



Reference Series - Super Audio CD/CD Player

The SA-14S1 Super Audio CD/CD player has been designed to deliver the utmost fidelity from your favorite music discs, and features state-of-the-art digital technologies to reproduce sound with superb musicality. In addition to playback of stereo and multi-channel Super Audio CDs, the SA-14S1 features the ability to play music CDs including CD-R and CD-RW recordable types, and the player also features multiple digital inputs so it can be used as a standalone D/A converter with other digital audio source components. It's equipped with a USB port on the front panel that lets you connect an iPod or iPhone, and the USB-B port on the rear panel can be used with a computer to decode linear PCM and DSD high definition audio files via DSD over PCM. The analog circuits feature our exclusive HDAM (Hyper Dynamic Amplifier Module) technologies to deliver superior wide-range sound with expansive dynamic range. The SA-14S1 features a newly developed center-mounted disc drive mechanism mounted on its own sub-chassis for the most reliable and stable playback, and the power supply features a high current toroidal power transformer with Oxygen Free Copper secondary windings. The elegant remote control can also control the matching PM-14S1 reference grade integrated amplifier.

Marantz Audio Advantage

- Wide-range, high-speed sound with analog audio circuits featuring exclusive Marantz HDAM-SA2 and HDAM modules
- Playback HD (High definition) content
 - Native playback of DSD files via USB Type B port: DoP (DSD over PCM)
- Asynchronous USB-B computer input with LPCM and DSD support (Sampling frequencies: 32/44.1/48/88.2/96/176.4/192 kHz[PCM], 2.8224MHz[DSD])
- New disc drive mechanism, to thoroughly suppress vibration
- New disc tray mechanism with Xyron FRP (Fiber Reinforced Plastics).
- USB-B "Ground/Signal" isolator for reduced noise and high-quality sound from connected computers

- Clock jitter reducer generates a low-jitter output clock from a jittery external clock source
- Full discrete, high-quality headphone amplifier, featuring HDAM-SA2 and HDAM
- Selectable Digital Filter
- Digital to analog converter function with 3 digital inputs (USB-B, Coaxial, Optical)
- Total sound balance retuned with optimized components

High quality sound

- 192kHz/24bit high current audiophile D/A converter
- Oxygen Free Copper toroidal transformer (50 VA)
- Rigid chassis together with double layered bottom plate, aluminum die-cast chassis feet
- High purity gold plated copper RCA terminals
- Low noise LCD display

Useful functions

- Front panel USB-A port for iPhone®/iPod® or USB device digital to analog conversion and playback
- Down-mix stereo playback of multichannel Super Audio CD discs
- Super Audio CD, MP3/WMA playback
- System remote unit, controls both SA-14S1 CD player and PM-14S1 amplifier
- Auto standby, low power consumption in standby mode (less than 0.3W)

because music matters

Specifications

Supported audio formats of D/A converter

	USB-B port	Coaxial/ Optical
DSD (*1) (2-channel)	•	-
Linear PCM (*2) (2-channel)	•	•

(*1) DSD Sampling frequency: 2.8224 MHz
Bit length: 1 bit

(*2) Linear PCM Sampling frequency :
32/44.1/48/88.2/96/176.4/192 kHz
Bit length: 16/24 bit

Supported file types

	Playable media	
	CD-R/-RW	USB memory device
AAC	-	•
WMA	•	•
LPCM	•	• (.wav)
MP3 (MPEG1 Layer3)	•	•

*Some functions may not work for some discs or files, even if indicated "•" on the table.

Disc Formats Playability

- Super Audio CD
- Audio CD (Stereo)
- CD-R (Stereo), CD-RW (Stereo)

Port

Analog audio output

RCA (Unbalanced)	1 pair
Phones	1

Digital audio output

Optical	1
Coaxial	1

Digital audio input

Optical	1
Coaxial	1
USB-A (Front)	1
USB-B (Rear)	1

Contol

Remote control (IN/OUT)	1/1
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Analog Output

	Super Audio CD	CD
Disc capacity	1	1
Channels	2 channels	2 channels
Frequency range	2 Hz - 100 kHz	2 Hz - 20 kHz
Frequency response	2 Hz - 50 kHz	2 Hz - 20 kHz
Dynamic range	109 db	100 dB
Signal-to-noise ratio	109 db	110 dB
Total harmonic distortion	0.0009%	0.0015%

General

Power supply: AC 120V, 60 Hz

Power consumption:

37W

0.3W (Standby mode)

Dimensions (W x H x D):

173/8" x 5" x 16.5"

440 x 123 x 419 mm

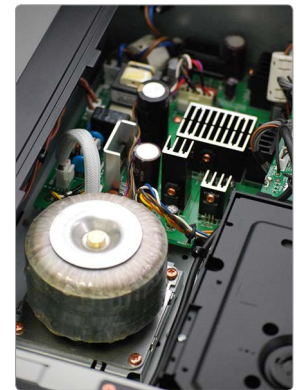
32 lbs, 14.5 kg



Can be used as a D/A converter with 3 digital inputs (coaxial, optical, USB type B)



Analog audio circuitry featuring Marantz's unique HDAM technology



Robust, high-speed power supply



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