

marantz® Super Audio CD Player

SA7001 KI

(No picture available)

Also black available

SA7001 KI SignatureSA-CD Player

The SA7001 KI is the first SACD player which has received Ken Ishiwata's personal attention to attain uncompromised music reproduction. Every aspect of the construction has been critically reviewed to attain uncompromised quality. This design configuration is capable of a clear and powerful reproduction of the most demanding musical performances recorded on CD or SACD. The copper-plated chassis and rear panel reduce signal-degrading electromagnetic interference, while its rigid dual layer chassis and solid aluminum front panel virtually eliminates all mechanical vibration. We have applied Ken's extensive knowledge and expertise in perfecting the symmetric circuitries with top quality parts ensuring pure audiophile hi-fi enjoyment. The SA7001 KI signature brings you all the depth, dynamics, and sonic excellence you've come to expect from this exquisite (SA)CD player.

NEW



R A N G E S E R I E S

because music matters

Features

- SA-CD playback
- The CS4397 'Super DAC' from Cirrus Logic
- Current Feedback HDAMs
- Customized components
- Dedicated power supply with toroidal transformer
- Dedicated top quality headphone circuitry with a fast current-buffer amp
- Display off possibility
- Quick Replay
- Marantz D-Bus

Benefits

- For an incredible 'live' experiences
- Top-end multi system D/A converter incorporates DSD conversion as well as PCM conversion
- Achieving a more dynamic, accurate and detailed sound reproduction
- For superb sound quality
- Ultra low vibration and leakage flux keep the signal sharp and minimizes internal electro magnetic distortion
- For top quality personalized music enjoyment
- Improves the sound quality by eliminating high frequency noise from the FL display
- Move back to the desired passage with a one-touch operation
- Full system control

Technological glossary:

Designed for excellence

The SA7001 KI is a pure audiophile (SA)CD player outperforming the demands of music lovers. Designed with great knowledge and expertise, this luxuriously finished component is manufactured with painstaking attention. The KI-series are the embodiment of the knowledge and inspired vision of Ken Ishiwata. To understand his vision best, just experience this exquisite piece of equipment.

Purity for the purists

Marantz follows up on the tradition of high quality stereo SA-CD players. Based on the well received SA8400 Super Audio CD Player the SA7001 KI brings superb audio quality to all music lovers. This is the answers to concerns of audiophiles regarding functional integration of CD playback at the costs of audio quality. This player utilized all the benefits of the SA-CD format in stereo, of course allowing also standard CDs to be played back at high level quality. The SA7001 KI brings you all the depth, dynamics, and sonic excellence you've come to expect from Marantz' finest components. And at a cost that puts the best within the reach of almost everyone.

Super Audio playback

Enjoy the fabulous world of high resolution audio! Finally you can have an incredible live-experience in your home as it was in reality. Not only is the total ambiance reproduced, but also the natural 'sound' of the instruments is being preserved. SA-CD 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.

The 'Super DAC'

The outstanding D/A converter, boasting a successful heritage in high-end machines including the SA-15S1 and SA8400, produces clear sound for Super Audio CDs and regular CDs alike. The CS4397, 'Super DAC', from Cirrus Logic is developed to provide high quality audio output for new standards such as SA-CD. It incorporates Cirrus Logic's mixed-signal technologies, including Switched Capacitor techniques, Multi-bit Delta Sigma Modulator architecture, and Dynamic Element Matching. All this results in an unsurpassed dynamic range and detailed resolution, which are key to a striking SA-CD performance.

Toroidal power transformer

The power supply of any (SA)CD player is like the heart of the product. Therefore we utilize in the CD7001 KI signature a Toroidal Power Transformer. This special transformer has a much higher efficiency due to very low impedance of the windings. Fast high current deliver capability is very important to follow each detail in the music. In addition it has the advantage of extremely low electromagnetic radiation. Therefore any noise and hum into the surrounding circuitry is reduced to the absolute minimum. The sonic result speaks for itself.

Current Feedback HDAMs

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, as well as on the signal to noise ratio. The Marantz HDAMs offering very low noise operation. There are no IC OP-amps used at all in the SA7001 KI's analogue signal path. The SA7001 KI's analogue audio circuitry is a full discrete design including newly developed Current Feedback HDAM modules that operates as a buffer amplifier and as a Low Pass Filter. Both channels are completely identical in terms of components and circuit layout. This is extremely important to be able to enjoy a breathtaking sound stage of stereo SA-CD material.

Customized Components

Every Marantz product is designed with a fine ear and eye for details. The designers have to know the characteristics of every component. On paper the component might look excellent but the result may fall short of the combined design expectations. Therefore Marantz collects vast amounts of information upon specifics component performance capabilities. Marantz selects the appropriate components for the specific design application. The sonic result is then critically acclaimed by international reviewers. In other cases it's simply not possible to use standard components that meet the high Marantz standards. These components will then be specially made for Marantz only in co-operation with the Marantz engineers.

Copper plated chassis

The PM7001 KI has a fully copper plated chassis for minimal disturbance from electro-magnetic radiation and perfect grounding to each point of the chassis. This will improve dramatically the signal to noise ratio and of course music image.

Personal enjoyment

For the headphone listeners we have paid extra attention to the headphone circuitry to ensure that the pure emotion of SA-CD is passed on. A dedicated amplifier is developed with a fast current-buffer amp, constructed of discrete components only, including a high grade potentiometer for the volume control.

Pure audio modules

We've taken advantage of insight from all past Super Audio CD player development to create new mechanism modules specifically for audio applications. The servo and decoder are mounted on a four-layer glass epoxy board. Noise radiation is extremely faint, and shielding is provided by box construction incorporating the chassis, preventing any noise from penetrating inside. The tray is finished with an elegant coating that also dampens vibration, and we've chosen black as an ideal tray and mechanism color or minimal effect on laser diffusion.

A touch of Ken Ishiwata

The SA7001 KI is a clear example of benchmark engineering and craftsmanship of Ken Ishiwata and features a number of Marantz sound enhancements. The SA7001 KI SACD player is built on a rigid chassis. All of the digital, analogue and control circuits are separated and shielded to prevent cross-talk and other unwanted interference. A high grade power supply centered around a special selected toroidal transformer secures maximum separation, clarity and dynamics. This design configuration is capable of a clear and powerful reproduction of the most demanding musical performances recorded on a disc. The strength of each KI Signature design can be found in the attention to detail and cohesiveness of the different elements.

Marantz D-Bus

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. At the same time received remote control commands are communicated via this bus. This enables equipment without IR-receiver, like a cassette deck or tuner, to be controlled via a Marantz Remote control.

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.

Bypassed accessories

- User manual
- Power cable
- Remote control
- D-Bus cable
- 1 pair Audio cinch cable
- Batteries

RC7001SA



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(No picture available)

FEATURES

Disc Capacity	1
CD Compatibility: CD / CD-R/RW	•/•/•/-
/ SA-CD / WMA / MP3	/-
SA-CD compatibility: Multi channel / stereo /	-/•
CD-Text / SA-CD Text	-/•
High Grade Audio Components	•
Customised Components	•
Symetric circuit layout	•
System block shielding: Copper / metal / none	-/•/-
Power Transformer: Super-ring / Toroidal / El	-/•/-
Copper grounding	-
HDAM: Standard / SA / Current Feedback	•/-/•
HDAM cover: Gold plated / Copper plated / Metal /no shield	-/-/-/•
CCNE	-
Shotky diodes	•
Relay muting	-
Selectable filter: CD / SA-CD	-/-
Noise shaper (on/off)	-
DC filter (on/off)	-
Zero Impedance Matching joint (copper)	•
Separated rectifier circuit for analogue and digital Circuitry	-
Digital out circuit off	-
Phantom center mode	-
Display: Dimmer / Off	-/•
Output filter switch	-
Variable Analogue Output	-
Discrete Coding	•
Current Feedback headphone circuitry	-
Low Noise LCD display	-
Chassis : Die-cast / Copper plated / Metal	-/•/•
Double layer bottom plate	tbf
Bi-directional control via RS232C	-

PLAYBACK

Program Play	30
Auto Music Scan (AMS)	•
Repeat: track/program/A-B	•/•/•
Random Play	•
Index Search	-
Peak Search	-
Edit Recording	-
Sync Recording	-
Pitch Control	-
Start Sound Mode for SA-CD	•
Quick Replay	•

INPUTS/OUTPUTS

Analogue Out (Cinch)	2ch
Balanced Out	-
Digital Optical Out	1
Digital Coaxial Out	1
Gold plated Cinch	•
D-Bus In/Out	•
RS232C	-
Headphone Out	•
Headphone Volume Control	•

SPECIFICATIONS

Mechanism	FG-SA7001
Decoder	CXD1885Q
D/A Conversion	DSD
DAC IC	CS4397
Digital Filter	CS4397
Noise Shaper	CS4397
Low Pass Filter stage	HDAM
Output Buffer	HDAM

SA-CD AUDIO

Frequency Response	2Hz-50kHz (+0, -3dB)
Dynamic Range	114dB
Signal to Noise Ratio	109dB
Total Harmonic Distortion	0.0009
Channel Separation	100dB

CDDA AUDIO

Frequency Response	2Hz-20kHz
Dynamic Range	< 100dB
Signal to Noise Ratio	103dB
Total Harmonic Distortion	0.002
Channel Separation	100dB

GENERAL

Available colors: Platinum/Gold/ Silver/Black	-/-/•/•
Metal Front Panel	•
Remote Control	RC7001SA
Power Consumption	20 Watts
Detachable Power Cable	•
Maximum Dimensions (W x D x H)	440 x tbf x tbf mm
Weight	tbfKg

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

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