

## Denon's Passionate Craftsmanship to Pure Audio in an LP-sized Chassis for Serious Music Lovers

The CX concept represents an amalgamation of "Simple & Compact Refined Design", "Denon Hi-Fi Craftsmanship", and "Denon Professional Manufacturing Technology".

The RCD-CX1 inherits its amplifier circuit, power circuit, CD mechanism, and audio circuit from the high-end CX1 series and provides them in a compact unit for ardent music lovers.



AL24 Processing

MP3



### Features

#### Super Audio CD Receiver RCD-CX1

- Denon audio audiophile technology in a compact LP-sized aluminum housing
- Plays Super Audio CDs, music CDs, and CD-R/RW MP3 and WMA audio tracks
- Powerful amplifier circuit, providing superior speed and rich musical expression
- Thoroughly vibration-resistant construction
- Short signal paths, to minimize signal degradation
- Advanced S.V.H. (Suppress Vibration Hybrid) Mechanism
- AL24 Processing, to dramatically enhance the music listening experience
- Simple and intuitive operation
- Enjoy various music media in high-quality sound
- Extensive use of audiophile grade quality parts

#### Super Audio CD Receiver RCD-CX1

• **Powerful amplifier circuit, providing superior speed and rich musical expression**  
The amplifier circuit of the RCD-CX1 with its high power conversion efficiency of 90% has been used in the RCD-CX1 as well. Despite the built-in CD player and compact enclosure, the RCD-CX1 is capable of high-power output of 75W + 75W (4Ω) to ensure outstanding speaker drive performance. It very capably drives the Denon SC-CX101, a compact Hi-Fi speaker system. The RCD-CX1's powerful amplifier circuit gives you a rich, satisfying musical sound.

#### • Robust power circuit, with ample support for sudden sound bursts

The RCD-CX1's power circuit supplies sufficient, stable current even when demand peaks instantaneously. Highly efficient, stable current supply has been made possible by a Denon-developed control system. Sudden bursts of sound such as cymbal claps are reproduced with realistic clarity.

#### Speaker System SC-CX101

- 12cm woofer unit with newly-developed glass fiber D.D.L. double layer cone
- 2.5cm dome tweeter with specialized frame shape
- Unit frame made of non-magnetic die-cast aluminum
- Crossover network, for smooth, even frequency and phase response
- A pleasing harmony between technology and aesthetics
- Beautiful natural wood-grain veneer cabinet

#### • Thoroughly vibration-resistant construction

From the power supply board, power and preamp board, the CD mechanism with triple-layer construction, to the chassis that contains these and all the other elements, the construction of the RCD-CX1 is thoroughly vibration-resistant to ensure that vibration does not adversely affect the sound. This construction allows the RCD-CX1 to accurately reproduce each individual sound of the original recording on the disc.

#### • Short signal paths, to minimize signal degradation

Denon's aim is to reproduce the original sound with complete fidelity and allow listeners to enjoy the artist's musical expression as it was heard on the day of recording. This has been Denon's ideal ever since its beginning as a manufacturer of audio components whose job today is to read audio signals from the disc, amplify them, and send them to the speakers. The shorter the signal path from disc to speakers, the easier it is to faithfully reproduce the original sound, free of noise. This principle of "Simple & Straight" is strictly implemented in the RCD-CX1 to give you a clean, transparent sound.

• **Advanced S.V.H. (Suppress Vibration Hybrid) Mechanism**

To ensure impeccable accuracy in reading audio signals from the disc, particular attention has been devoted to the design and adjustment of the optical axis and base that supports the laser pickup so that they are perfectly aligned. The RCD-CX1 incorporates a highly-acclaimed S.V.H.(Suppress. Vibration. Hybrid.) loader that features a hybrid construction combining multiple types of materials to suppress vibration and further improve disc reading accuracy. The refined design includes a thin disc tray: Try opening and closing it to see how smooth and precise the loading mechanism is.

• **Enjoy various music media in high-quality sound**

The RCD-CX1 provides a dedicated control terminal for the separately-available Denon Control Dock for iPod's that lets you connect and play music from your iPod. The RCD-CX1's remote control unit lets you perform iPod operations such as Play and Skip. Music of various kinds can also be enjoyed with the RCD-CX1's AM/FM tuner.

• **Newly-developed, easy-to-use remote control unit**

The buttons have been laid out so that the various functions of the amp and CD are easy to operate.

• **Simple and intuitive operation**

- Direct Power On: Power turns on automatically when the CD Play button is pressed while power is off.
- Fade Out: If you switch to FM radio or another sound source while listening to a CD, the sound from the CD will automatically fade before the switch is made.

**Speaker System SC-CX101**

- **12cm woofer unit with newly-developed glass fiber D.D.L. cone**

The newly-developed D.D.L. (Denon Double Layer) cone has been used for the woofer diaphragm. This diaphragm with dual-layer construction ensures accurate piston motion across a wide frequency range. Combined with an advanced magnetic circuit and an aluminum shorting ring to reduce magnetic distortion, this speaker system produces a big, spacious sound that is remarkable from such a compact speaker cabinet.

- **2.5cm dome tweeter with specialized frame shape**

Denon developed a new frame shape to flatten radiation impedance. This also prevents diaphragm deformation caused by the thermal expansion of air inside the tweeter. The addition of ventilation holes keeps the diaphragm centered and ensures constantly ideal piston motion.

- **Crossover network, for uniform sound pressure and phase response**

The SC-CX101's network circuitry has been designed not only for the unit's energy and phase characteristics, but cabinet reflection and placement conditions in the room have been considered as well. In addition to flattening on-axis frequency response, the network design has also provides smooth off-axis response as well.

- **A pleasing harmony between technology and aesthetics**

The SC-CX101 has been jointly developed by Denon engineers and European sound designers with deep experience in music. Elaborate computer simulations were conducted to model

the basic design as much as possible from the individual parts level and achieve a high standard of perfection in basic characteristics.

- **Unit frame made of non-magnetic die-cast aluminum**  
Non-magnetic die-cast aluminum has been used for the unit frame to give it solid support and prevent diaphragm movement. A baking finish has been given to the surface to minimize squeal.

- **Beautiful natural wood-grain veneer cabinet**  
The SC-CX101's cabinet, built with 18mm MDF and finished with a semi-gloss natural wood-grain veneer, is extremely beautiful. Not only is the natural wood finish pleasing to the eyes, the surface that transmits the sound waves has been carefully controlled to produce a beautifully resonant sound. The natural wood finish has also been applied to the interior to control overall resonance.

- **Rear duct, for a clear, deep bass**  
The rear panel has been carefully machined to produce a uniform construction with the mouth of the duct. The finish has also been meticulously applied to minimize squeal and port noise.

- **Gold-plated brass bi-wiring ports**  
The SC-CX101 speakers provide large bi-wiring ports with high-grade transparent insulating covers to expand your audio enjoyment.

**Main Specifications: RCD-CX1**

Receiver section	S/N ratio	PHONO (MM) : 84 dB (With input terminals short-circuited, 5 mV input signal)
Rated output		PHONO (MC) : 70 dB (With input terminals short-circuited, 0.5 mV input signal)
High frequency distortion		LINE1, LINE2 : 95 dB (input terminals short-circuited)
Output terminals	(A-weighted network)	
Equalizer amplifier output (REC OUT terminals)		
Rated output: 150mV		
Input sensitivity/ Input impedance	Tone control	BASS : 100 Hz ± 8 dB TREBLE : 10 kHz ± 8 dB
PHONO (MM): 2.5mV/47kΩ	Frequency response	10 Hz - 40 kHz (+0.5 dB, -3 dB) (INPUT: CD, PURE DIRECT: ON)
PHONO (MC) : 0.2 mV / 100 Ω/ohms		
CD, LINE1, LINE2: 130 mV / 47 kΩ/kohms	CD section	[Super Audio CD] [CD]
RIAA deviation	• Analog output	
PHONO (MM) : 20 Hz ~ 20 kHz ±0.5 dB	Signal type	1-bit DSD 16-bit linear PCM
PHONO (MC) : 30 Hz ~ 20 kHz ±0.5 dB	Sampling frequency	2.822 MHz 44.1 kHz
Reception frequency range	• Digital output	
FM : 87.5 MHz - 107.9 MHz	Optical	- -15 - -21 dBm
AM : 520 kHz - 1710 kHz	Emission wavelength	- -660 nm
Reception sensitivity	General	
FM : 1.5 μV / 75 Ω/ohms	Power supply	AC 120 V, 60 Hz
AM : 20 μV	Power consumption	50 W 0.3 W (Standby)
FM channel separation	Maximum external dimensions	11-7/8" (W) x 4-3/8" (H) x 13-1/2" (D) 300 (W) x 110 (H) x 341 (D) mm
35 dB (1 kHz)	Weight	17 lbs 10-1/8 oz 8.0 kg
FM S/N ratio		
Monaural : 74 dB Stereo : 70 dB		
FM harmonic distortion		
Monaural : 0.3 % Stereo : 0.4 %		

**Main Specifications: SC-CX101**

SC-CX101	Type	2-way · 2-speakers
Speakers		Low-leakage-flux, Reflex box 12 cm cone bass-mid x 1 2.5 cm soft dome high range x 1
Input impedance: 6 Ω/ohms		Max. input: 60 W (IEC), 120 W (PEAK)
Crossover frequency		3 kHz
Frequency range		45 Hz ~ 40 kHz
Sensitivity		86 dB (1 W · 1 m)
Dimensions		6-3/16" (W) x 10-7/64" (H) x 9-7/32" (D) 157 (W) x 257 (H) x 234 (D) mm (Including protruding parts)
Weight		11 lbs 7 oz 5.2 kg

**Terminals: RCD-CX1**

IN	PHONO	1
	LINE 1	1
	LINE 2 (PB)	1
OUT	LINE 2 (REC)	1
	PRE OUT	1
	DIGITAL OPTICAL OUT	1
OTHERS	AM ANTENNA	1
	FM ANTENNA	1
	DOCK CONTROL	1



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