

DX-7555

AUDIOPHILE-GRADE CD PLAYER

ONKYO
IMAGINATIVE SIGHT & SOUND



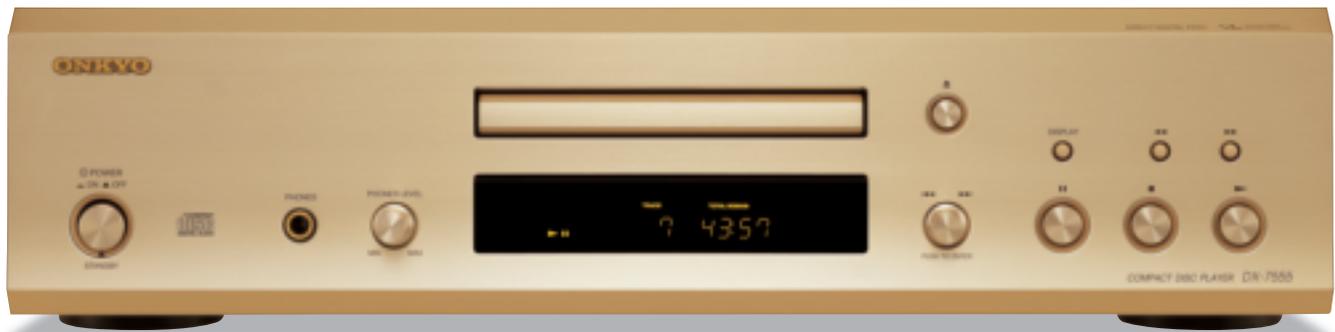
MP3

192 kHz/24-bit



VECTOR LINEAR SHAPING CIRCUITRY

DIRECT DIGITAL PATH



Available in Gold

Providing Superior Audio Quality through Noise-Free, Accurate Digital Delivery

Your system's digital front-end is a vital link in the audio reproduction chain. The exacting process of retrieving digital data and converting it to analog without the influence of digital noise is a key determinant in assessing the class of different playback components. Also, the ability to control timing inaccuracies (jitter) is another crucial factor in the quality of audio reproduction of digital sources like CDs and MP3s. The DX-7555 audiophile-grade CD player has been designed with these considerations in mind. With Onkyo's Vector Linear Shaping Circuitry (VLSC), the digital signal is protected from pulse noise, and with a super precision clock, a precise timing reference is maintained. By combining quality parts like a sophisticated 192 kHz/24-bit DAC with Onkyo's renowned build quality, the DX-7555 will deliver digital audio sources with the accuracy they deserve.

Vector Linear Shaping Circuitry (VLSC)

Essentially, a CD player's primary purpose is to read digital information and convert that information into an analog signal to feed to a preamplifier. Simple as it seems, every digital signal is plagued by pulse noise (which is particularly harmful in compressed formats like MP3). Conventional D/A conversion methods reduce digital pulse noise at the conversion stage but can't remove it completely. Onkyo's VLSC is a unique digital-to-analog conversion circuit designed to overcome this problem. Data is converted between the sampling points, and these discrete sampling points are joined with analog vectors in real-time to produce a smooth output wave form. This ensures that the DX-7555's analog output is delivered as accurately as possible.

Super Precision Clock for Superior Audio Performance

The DX-7555 boasts an extremely precise clocking mechanism to control and coordinate the timing of all digital signal processes. If you think of the clock as an orchestra conductor, then the separate digital signals are the individual instruments in that orchestra. Without a talented conductor—an accurate clock—sound quality is degraded. That means you'll get a harsh treble, a smaller soundstage and music that sounds synthetic. The DX-7555's state-of-the-art crystal oscillator achieves a frequency deviation of just ± 1.5 ppm, compared with ± 50 ppm on a conventional crystal oscillator. The difference is crystal clear: a stunningly realistic sound field and a beautifully sustained tone for all musical instruments.

Wolfson® Microelectronics 192 kHz/24-bit Stereo DAC

The DX-7555 features a Wolfson Microelectronics 192 kHz/24-bit stereo DAC (WM8740) designed for digital audio applications. This DAC supports an input data word length from 16 to 24 bits and sampling rates up to 192 kHz. The DAC consists of a serial interface port, digital interpolation filter, multi-bit sigma delta modulator and stereo DAC in a small 28-pin SSOP package. It also includes a digitally controllable mute and attenuator function on each channel. The DAC's internal digital filter enables two selectable roll-off characteristics: sharp or slow.

Selectable Control for Digital Filter, Phase Control and Clock

The DX-7555 gives you a variety of selectable options that give you greater control over audio playback. For the digital filter, you can select sharp roll-off (enables a flat response up to 20 kHz) or slow roll-off (enables the tempo to be modified for full sound imaging). It is also possible to select from two analog output phases: Normal phase, where the recorded waveform is output with polarity intact; and Reverse phase, where the recorded waveform is output with polarity reversed. Finally, the DX-7555 also gives you the capability to increase or to decrease the clock frequency to improve sound imaging. If you make no adjustments, the DX-7555 uses its factory default settings.

Quick Navigation for MP3 CD Playback

Various preferences can be selected to help you easily find and playback MP3 contents burnt to CD-R and CD-RW. In Group mode, you can select a folder than select the MP3 track from that folder. In Navigation mode, you can select MP3 tracks by moving through the folder hierarchy. You can use the search button on the remote controller to select MP3 tracks and folders by number. Quick navigation helps you to easily locate and to playback when you have multiple music sources recorded to one disc.

Exclusive Direct Digital Path

Unlike other CD players that use PC-board copper traces to transfer the digital audio signal, the DX-7555 employs a high-purity, heavy-gauge, shielded cable to directly output the digital bitstream straight from the disc to the back panel. The result is a noise-free digital audio signal that is less susceptible to flux.

High-Grade Build Quality

The DX-7555 is constructed so that unwanted noise and vibrations won't taint your delicate audio signal. A high-rigidity, anti-resonant chassis prevents the possibility of noise being picked up from external surfaces. Instead of opting for cheap alternatives, Onkyo has chosen an aluminum front panel to enhance the DX-7555's solid appearance. It also gives the DX-7555 a dependable feel that reflects the engineering quality lacking in today's CD players.

DX-7555

AUDIOPHILE-GRADE CD PLAYER



Features

- Plays audio CDs, MP3 CDs, CD-R/CD-RWs*
- Vector Linear Shaping Circuitry (VLSC)
- Super precision clock (± 1.5 ppm)
- Selectable control for digital filter, phase control and clock
- Massive power transformer
- Wolfson® Microelectronics 192 kHz/24-bit DAC
- Direct Digital Path
- 2 Digital outputs (Optical/Coaxial)
- Headphone jack with volume control
- Quick navigation for MP3 CD playback
- 25-step memory playback and 4 repeat modes
- 4-mode dimmer
- Ultra-smooth CD loading mechanism
- High-rigidity, anti-resonant chassis
- Brushed aluminum front panel
- RI (Remote Interactive) system compatible
- Remote control

*Discs that have not been properly finalized may only be partially playable or not playable at all.



Remote Control

SPECIFICATIONS

Frequency Response	2 Hz-20 kHz
Total Harmonic Distortion	0.0027 %
Audio Dynamic Range	100 dB
Signal-to-Noise Ratio	111 dB
Audio Output	
Digital (Optical)	-22.5 dBm
Digital (Coaxial)	0.575 Vp-p/75 Ω
Analog	2.0 V (rms)/470 Ω
GENERAL	
Power Supply	AC 220-230 V, 50/60 Hz
Power Consumption	14 W
Standby Power Consumption	0.2 W
Dimensions (W x H x D)	435 x 111 x 405 mm
Weight	8.0 kg

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice.
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