

# HD 990

CD player with RLS III

harman/kardon®

Specifications



## ■ Harman Kardon® HD 990

To build a CD player without equal, there are no shortcuts, no compromises, no easy answers. Optimized for precision playback above all, the HD 990 employs two high-performance stereo digital-to-analog converters to deliver third-generation Real-time Linear Smoothing (RLS III), creating a spacious, richly detailed sound that other players simply cannot duplicate.

## ■ Highlights

- CD-Text support
- HRS (high-resolution synchronization) link
- MP3 playback with ID3 support
- 24-bit/384kHz sample rate converter (SRC)
- Direct digital signal processing (DSP) mode
- RLS III
- Balanced XLR outputs
- CD-R/CD-RW playback
- Digital inputs

## ■ Key Specifications

- Frequency response: 20Hz – 20kHz, +0dB/–0.5dB; “A”-weighted S/N ratio: >117dB; THD: <0.0009% @ 1kHz; dynamic range: >116dB; channel separation: >115dB
- Dimensions (H x W x D) and weight: 63mm x 440mm x 332mm, 3.9kg

Depth measurement includes table stand, knobs, buttons and terminal connections, unless stated otherwise. Height measurement includes feet and chassis, unless stated otherwise.

## ■ Features

### Advanced Performance Technologies

- Digital signal processing for highest possible jitter rejection based on 32-bit DSP
- 24-bit/384kHz asynchronous sample rate converter (ASRC)
- 24-bit resolution enhancer for lowest possible noise level and intermodulation distortion (IMD)
- One high-grade Analog Devices AD1955 digital-to-analog converter (DAC) per channel, capable of highlighting the outstanding performance of the ASRC
- Direct 8fs interface between an Analog Devices Blackfin® DSP and an Analog Devices DAC for optimum performance
- High-resolution synchronization (HRS) link for high-precision, jitter-free clock synchronization and data transmission between HRS-link-enabled devices
- Real-time Linear Smoothing III (RLS III) for total linear-phase processing and highest jitter rejection
- Two digital inputs to improve the quality of sound from external devices dramatically

### Ease of Use

- CD playback with CD-Text functionality
- MP3 playback with ID3 Tag information
- Digital outputs for direct connection to external digital-to-analog converters
- Sophisticated programming features to play tracks in preprogrammed or random order automatically
- Direct entry of discs and tracks from the remote control; forward and reverse disc skip
- Display of time elapsed and time remaining of the track currently playing or time remaining of programmed tracks
- Full compatibility with CD-R and CD-RW format to play (finalized) recordable and erasable discs
- Dot-matrix display
- Dimmer to reduce the brightness of the information screen or switch it off completely
- Remote-control input and output to control compatible Harman Kardon® amplifiers via system remote control
- One stereo analog-audio output
- Two digital-audio outputs (one coaxial and one optical)
- Two digital-audio inputs (one coaxial and one optical)
- Two balanced outputs with dual Diamond Class A output stages, using XLR connectors
- One high-resolution synchronization (HRS) link with supplied synchronization cable
- IR remote extension jacks to control the player when it is placed in a cabinet

### Harman International

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