

/ HK 990

2 x 150W 2.2-Channel stereo integrated amplifier



Highlights

- High Current Capability
- Ultrawide bandwidth
- RLS IV
- Digital inputs and outputs
- USB input
- EzSet/EQ™ room optimization
- Balanced XLR inputs
- Phono input MM/MC
- Dual subwoofer outputs
- A/B speaker selection
- Heavy-duty binding posts
- Dual-path technology

In terms of raw power, the HK 990 is the most muscular amplifier ever to carry the Harman Kardon® name, more than capable of driving the most demanding loudspeaker loads without breaking a sweat. But the HK 990's awesome power is nothing if not highly refined, extending beyond watts and amps. With a choice of discrete optical or digital inputs or an analog-only signal path, as well as fourth-generation Real-Time Linear Smoothing (RLS IV), 2.2-channel EzSet/EQ room optimization, dual subwoofer outputs, USB connectivity and an audiophile-quality phono preamp section, the HK 990 offers a combination of features you will find irresistible. Others, of course, may simply hunger for all that power. We understand completely.

Key Specifications

- Audio Section – Continuous Average Power (FTC), (stereo mode): 150 watts per channel into 8 ohms @ 20Hz – 20kHz, <0.07% THD, both channels driven; High Instantaneous Current capability (HCC): ±100 amps
- Dimensions (H x W x D) and weight: 165mm x 440mm x 435mm (6-1/2" x 17-5/16" x 17-1/8"), 19.6kg

Depth measurement includes knobs, buttons and terminal connections, unless stated otherwise; height measurement includes feet and chassis, unless stated otherwise.

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Features

Power

- 150W x 2 into 8 ohms, 20Hz – 20kHz, at <0.07% THD, with all channels driven simultaneously
- High-current (± 100 amps), ultrawide-bandwidth (10Hz – 100kHz) amplifier design

Connectivity

- Six analog stereo audio inputs
- Two analog recording outputs
- Four digital inputs (two optical and two coaxial)
- One USB input for playback of audio files stored on a PC
- Dual subwoofer outputs to connect up to two active subwoofers
- One coaxial digital output for recording
- Two real balanced inputs, using XLR connectors
- One HRS (high-resolution synchronization) link
- 2.2-Channel processor input allows the use of external audio processors
- Two high-quality phono inputs for connection of record players with an MM or MC cartridge
- 2.2 Preamp outputs allow the use of external power amplifiers
- Remote control input and output
- Heavy-duty binding posts allow for the use of speaker cables up to 10mm²
- Headphone output

Ease of Use

- High Current Capability provides the instantaneous current necessary to precisely drive and control nearly any loudspeaker system
- Ultrawide-bandwidth amplifier design for improved transient accuracy and phase linearity
- Low negative feedback for further improved dynamic accuracy
- Use of discrete electronic circuitry to provide the highest performance level
- Dual-path technology allows for pure analog or pure digital audio processing within the same product
- EzSet/EQ room optimization for quick and accurate system setup, optimized for two channels and two subwoofers
- Symmetric (balanced) XLR analog inputs offer lower noise levels and higher Signal-to-Noise performance
- RLS IV digital-to-analog conversion technology, with dual conversion using two stereo AD1955 high-grade DACs
- The HRS link allows Harman Kardon CD players to lock themselves to the external clock of the amplifier for a jitter-free connection, similar to having the CD playback inside the amplifier
- Dual differential input stages with their own high-voltage supply, resulting in high gain and low noise
- Cascoded predriver stage considerably reduces high-frequency distortion, allowing crystal-clear high frequencies, free from any harsh sound
- Thermal Tracking Mechanism using ThermalTrak™ output stage transistors that include internal temperature sensors to bias the current of the output stage in real time
- Sophisticated electronic protection circuitry guards the amplifier from short-circuiting or from damaged speakers and wires, without impairing sound quality, by using current-limiting or output relays
- DC servo to ensure that the DC level of the amplifier output will stay within a contained limit at any condition
- Multiple protection circuits will switch the amplifier off in case overcurrent, overvoltage, overtemperature or DC protection is detected
- Dual toroidal transformers and up to 16,000 μ F of supply filtering per channel will allow high channel separation and tight bass control, even with a low-impedance load
- Dual-line dot-matrix display
- Record out available in both digital and analog domains (two analog outputs and one coaxial digital output)
- Remote A/B speaker switching
- IR remote extension jacks for control of the amplifier when placed in a cabinet
- Harman Kardon system remote for control of compatible Harman Kardon CD players and tuners

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