

HEADPHONE AMPLIFIER

HD53



Equipped with CEC's unique LEF (Load Effect Free) circuit
Wide range of headphones (32 - 2k Ω impedance) supported
Volume control with IGM (Intelligent Gain Management)
Enjoy music with 2 headphones, or one headphone and speakers

C.E.C.

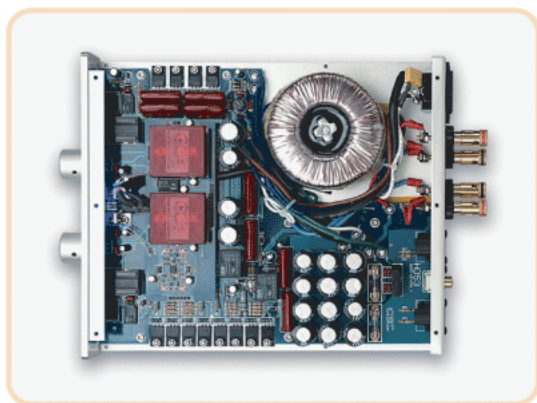
For most pleasant headphone listening..... The HD53 high-definition headphone amplifier has arrived



High-definition headphone amp

The HD53 is a state of the art headphone amplifier including a small high quality power amplifier for loudspeakers. The unique LEF amplifier technology for the driver stage provides you today's best possible sound quality. All amplifier sections run without overall negative feedback. So no dynamic distortions are created by the amplifier.

You can enjoy music for 2 persons independently using headphone, or one headphone user and additional music from the speaker. HD53 is an excellent choice for high end audio equipment users who like to add best possible headphone support to their system, as well as for persons who like to upgrade their micro high HiFi system (portable CD, MD...) to a real small high end solution. The HD53 is also good for computer users who like to enjoy a high level of sound quality by connecting HD53 to the soundcard output. Compatible with a wide range of impedances (32–2 k Ω), it meets the needs of every headphone user.



Key specs for the HD53

Frequency response : 5 Hz–200 KHz
THD : 0.01% **S/N Ratio** : Headphones: 100 dB Speakers: 95 dB
Rated output : Headphones: 70 mW (32 Ω) Speakers: 7 W (8 Ω)
Load impedance : Headphones: 32 - 2 k Ω Speakers: 4 - 8 Ω
Power consumption : Min. 15 W Max. 50 W
Input jacks : Single-channel (1 balanced, 1 unbalanced)
Output jacks : Headphone output (6.3 mm, 3.5 mm) x 2, speaker output x 1
Power supply : 120/230 v, 60/50Hz (specified on the rear panel)
Dimensions (WDH) : 217.5 x 301 x 51 mm (incl. legs & jacks)
Weight : 2.6 kg **Color** : Silver
Accessories: AC power cord, RCA-miniplug cord, instruction manual

*Specifications and dimensions are subject to change without prior notification.

CEC's unique LEF circuit

The HD53 comes equipped with CEC's unique Load Effect Free (LEF) circuit that completely eliminates all causes of sound quality degradation. This LEF circuit delivers high efficiency while achieving clear and fully-nuanced sound quality.

Volume control with IGM

The newly developed Intelligent Gain Management (IGM) system is used to minimize signal loss during volume adjustment. Sound volume is adjusted by controlling the gain itself with a knob on the front panel. The input signal is not degraded by any mechanical volume resistor or CMOS device. As a result of this, lowest noise, low distortion and highest dynamic performance has been achieved.

Hooks to input/output jacks

For input jacks, the HD53 features XLR (balanced) jack in addition to the regular RCA (unbalanced) jack so you can enjoy the advantages of a high-definition connection with even more sophisticated audio equipment such as our CD3300 player, which has balanced outputs. Also, the two-channel headphone outputs are compatible with 3.5 mm and 6.3 mm plugs so up to two sets can be connected simultaneously. The speaker outputs are spring-loaded terminals that are simple to connect the cables, but not come loose easily.



⚠ Safety Precautions

Be sure to operate this product properly once you have thoroughly read the instruction manual.