



HD 650

INSTRUCTIONS FOR USE

Important safety instructions

- ▶ Read the instruction manual carefully and completely before using the product.
- ▶ Always include this safety guide when passing the product on to third parties.
- ▶ Do not use an obviously defective product.

Preventing accident and damage to health

- ▶ Do not listen at high volume levels for long periods of time to prevent hearing damage.
- ▶ Always maintain a distance of at least 4" (10 cm) between the ear cups and the cardiac pacemaker or implanted defibrillator since the product generates permanent magnetic fields.
- ▶ Keep the product, accessories and packaging parts out of reach of children and pets to prevent accidents and choking hazards.
- ▶ Do not use the product in an environment that requires your special attention (e.g. in traffic).

Preventing malfunction and damage to the product

- ▶ Always keep the product dry and do not expose it to extreme temperatures (hairdryer, heater, extended exposure to sunlight, etc.) to avoid corrosion or deformation.
- ▶ Use only attachments/accessories/spare parts supplied or recommended by Sennheiser.
- ▶ Clean the product only with a soft, dry cloth.

Intended use/Liability

These headphones are designed for home use with high-quality audio systems.

It is considered improper use when this product is used for any application not named in the associated product guides.

Sennheiser does not accept liability for damage arising from abuse or misuse of this product and its attachments/accessories.

HD 650

With the HD 650, Sennheiser has followed the changes in the listening habits of music lovers and the way in which they experience sound. In spite of all purism and the highest demands on precise sound reproduction, a slight change in listening behavior is detectable. Today many music lovers want to feel the sound more instead of plainly analyzing it. The HD 650 now captivates your senses where you used to be a mere observer. It allows total submersion into an ocean of music and lets you completely forget your surroundings.

Come and enjoy this unique listening experience!

Features

- Top-of-the-range open, dynamic hi-fi stereo headphones
- Systems with narrow tolerances (± 1 dB), hand-picked in pairs
- High-quality titanium silver finish
- Specially developed acoustic mesh for precise, uniform attenuation over the entire area
- Detachable connection cable made from highly conductive OFC copper, high tensile strength due to para-aramid fiber reinforcement, with very low handling noise
- Extremely lightweight aluminum voice coils ensure excellent transient response
- Exceptionally comfortable to wear due to elliptical design adapted to the shape of the ears
- Can be directly connected to stationary hi-fi components of the highest quality, in particular SACD, DVD-A, Blu-ray and CD players
- Tap the full tonal potential of your HD 650 with the Sennheiser HDVA 600 or HDVD 800 balanced headphone amplifier and the CH 650 S balanced connection cable

The sound

- Exceptionally natural, spatial and accurate sound
- Suitable for all types of music
- Balanced, contoured bass
- Real deep bass reproduction
- Exceedingly authentic voice reproduction
- Unobtrusive, natural strings and wind instruments
- Pleasantly natural trebles
- Silvery, clear cymbals



Instructions for use

Instructions for use can be found on page 11.

Specifications

Frequency response	16 – 30,000 Hz (-3 dB) 10 – 39,500 Hz (-10 dB)
Transducer principle	dynamic, "open-air"
Frequency characteristic	diffuse field equalized
Nominal impedance	300 Ω
Sound pressure level	103 dB at 1 kHz, 1 V_{rms}
Long-term max. input power	500 mW as per EN 60-268-7
THD	$\leq 0,05$ % at 1 kHz, 100 dB
Contact pressure	approx. 2.5 N
Ear coupling	circumaural
Weight (without cable)	approx. 260 g
Connector	1/4" (6.3 mm) stereo jack
Adapter	1/4" (6.3 mm) stereo jack --> 3.5 mm
Connection cable	OFC cable, 3 m

Manufacturer Declarations

Warranty

Sennheiser electronic GmbH & Co. KG gives a warranty of 24 months on this product.

For the current warranty conditions, please visit our website at www.sennheiser.com or contact your Sennheiser partner.

FOR AUSTRALIA ONLY

Sennheiser's goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to other rights or remedies under law. Nothing in this warranty excludes, limits or modifies any liability of Sennheiser which is imposed by law, or limits or modifies any remedy available to the consumer which is granted by law. To make a claim under this warranty, contact Sennheiser Australia Pty Ltd, Unit 3, 31 Gibbes Street, Chatswood NSW 2067, Australia; Phone: (02) 9910 6700, email: service@sennheiser.com.au.

All expenses of claiming the warranty will be borne by the person making the claim.

The Sennheiser International Warranty is provided by Sennheiser Australia Pty Ltd (ABN 68 165 388 312), Unit 3, 31 Gibbes Street, Chatswood NSW 2067, Australia.

In compliance with the following requirements

- WEEE Directive (2012/19/EU)

Please dispose of this product by taking it to your local collection point or recycling center for such equipment.



CE Declaration of Conformity

- RoHS Directive (2011/65/EU)



The CE Declaration of Conformity is available at www.sennheiser.com. Before putting the product into operation, please observe the respective country specific regulations.

China RoHS

中国						
	有毒有害物质或元素					
部件名称 Part Name	铅 Pb	汞 Hg	镉 Cd	六价铬 CrVI	多溴联苯 PBB	多溴二苯醚 PBDE
线材组合 (插头) Cable assembly (Plug)	x	○	○	○	○	○

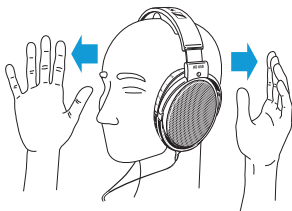
- : 表示该有毒物质或元素在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。
- x : 表示该有毒物质或元素至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。

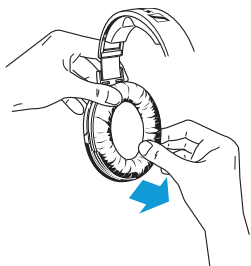
Instructions for use

- ▶ Put on the headphones and adjust the headband.

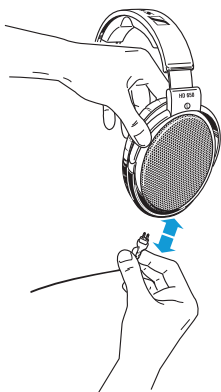


- ▶ Do not cover the transducers!





- ▶ The ear cushions have to be replaced from time to time for hygienic reasons (Ring earcushions with foam disk, 1 pair, Art. no. 050635).



- ▶ How to change the cables (Art. no. 092885).





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