

# HD 650

Bedienungsanleitung  
Instruction Manual  
Notice d'emploi  
Istruzioni per l'uso  
Instrucciones para el uso  
Gebruiksaanwijzing



# Instruction Manual

## 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 behaviour is detectable. Today many music-lovers want to feel the sound more instead of plainly analysing 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 ( $\pm 1$  dB), hand-picked in pairs
- High-quality titanium silver finish
- Specially developed acoustic silk for precise, uniform attenuation over the entire area
- Detachable connecting cable made from highly conductive OFC copper, Kevlar-reinforced, with very low handling noise
- Extremely lightweight aluminium 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 and CD players

## 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

## Technical data

Frequency response	16 – 30,000 Hz (-3 dB) 10 – 39,500 Hz (-10 dB)
Acoustic principle	dynamic, "open-air"
Frequency curve	diffuse-field loudness equalization
Nominal impedance	300 $\Omega$
Sound pressure level at 1 kHz	103 dB (1 V <sub>rms</sub> )
Long-term max. input power	500 mW as per EN 60-268-7
THD	$\leq 0.05$ %
Sound coupling to the ear	circumaural
Headphone caliper pressure	approx. 3.4 N $\pm$ 0.3 N
Weight (without cable)	260 g
Plug	6.3 mm $\varnothing$ stereo jack
Adapter	6.3 --> 3.5 mm $\varnothing$ stereo jack
Connecting cable	OFC signal cable, 3 m

## Attention

### Hearing Damage

Avoid using headphones with the volume turned up for an extended period of time. Doing so can damage your hearing. It is advisable to keep the volume at a moderate level at all times.

### Replacing the ear cushions

The earcushions have to be replaced from time to time for hygienic reasons. Ring earcushions with foam disk (1 pair, cat. no. 50635).

### Cleaning the headphones

To clean the headphones, use a soft damp cloth. If necessary, the headphones can be cleaned with soapy water (use a mild cleanser such as washing-up liquid).

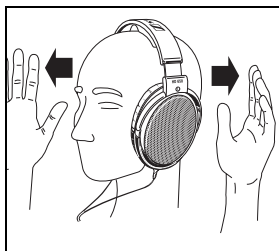
#### **Note:**

Never use solvent-containing cleansers!

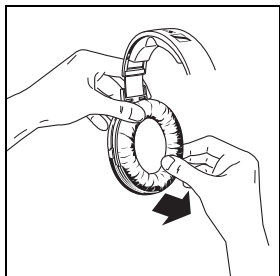
Hinweise zur Benutzung / Instructions for use/  
Consignes d'utilisation / Istruzioni per l'utilizzo /  
Indicaciones para el uso / Gebruiksaanwijzing



Hörer aufsetzen und einrichten  
Put on the headphones and adjust  
the headband  
Mettre les écouteurs et ajuster  
l'arceau du casque  
Applicare e preparare la cuffia  
Colocar y ajustar el casco  
Hoofdtelefoon opzetten en instellen

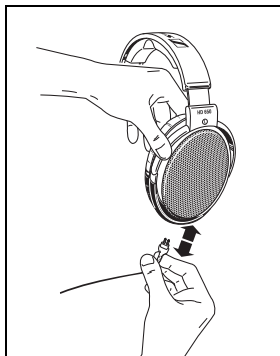


Kapseln nicht abdecken!  
Do not cover the transducers!  
Ne pas couvrir les transducteurs !  
Indossare e regolare la cuffia  
No cubrir los transductores  
Tijdens het luisteren de oorschel-  
pen niet bedekken!



Polster wechseln  
Replacing the earpads  
Remplacement des coussinets  
d'oreille  
Sostituire i cuscinetti  
Cambiar las almohadillas  
Het vervangen van de oorkussens

Art. no. 50635



Kabel wechseln  
How to change the cables  
Changer les cables  
Sostituire i cavi  
Cambiar el cable  
Het vervangen van de kabel

Art. no. 88591



### Konformitätserklärung

Sennheiser electronic GmbH & Co. KG erklären, dass dieses Gerät die anwendbaren CE-Normen und Vorschriften erfüllt.

### Approval

Sennheiser electronic GmbH & Co. KG declare that this device is in compliance with the applicable CE standards and regulations.

### Certification

Sennheiser electronic GmbH & Co. KG déclarons que cet appareil est en conformité avec les normes CE.

### Certificazione

Sennheiser electronic GmbH & Co. KG dichiara che questo apparecchio risponde alle normative e alle prescrizioni CE applicabili.

### Autorizacjon

Sennheiser electronic GmbH & Co. KG declara que este aparato cumple las normas y directrices de la CE aplicables.

### Vergunning

Sennheiser electronic GmbH & Co. KG verklaren, dat dit toestel voldoet aan de toepasselijke CE-normen en voorschriften.

Diese Service-Nummer gilt nur für Deutschland



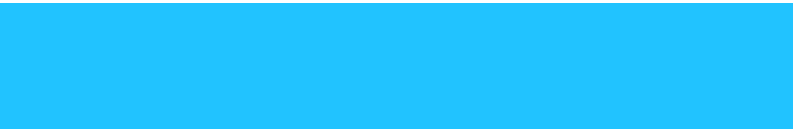
**K.I.S.S.**

Kunden-Informationssystem-Sennheiser

**0180 / 5221539**

0,12 € je Minute

Montag -Freitag: 8.00 Uhr - 18.00 Uhr



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