



SENNHEISER

HD 800 S

The audiophile headphones all others are measured against.





SPEC SHEET

HD 800 S

Technical Data

Article number	506911
EAN	4044155209280
UPC	615104273009
Country of origin	Designed and engineered in Germany. Manufactured in Ireland.

General Data

Wearing style	Wired headband
Ear coupling	Over-ear (Circumaural)
Ear pad material	Microfiber
Acoustic principle	Open-back
Transducer principle	Dynamic (single driver)
Transducer size	56mm
Frequency response	4 Hz - 51,000 Hz (-10dB)
Impedance	300 Ω
Sound Pressure Level (SPL)	102 dB (1 V)
Total Harmonic Distortion (THD)	< 0.02 % (1 kHz 1 Vrms)
Magnetic field strength	10.5 mT
Weight (w/o cable)	330 grams
Cable connection: at the headphone	ODU connectors
Audio cable(s)	Silver-plated oxygen-free cable with gold plated 4.4mm jack plug (3m) (balanced) Silver-plated oxygen-free cable with gold plated 6.35mm jack plug (3m) (unbalanced)
Audio adapter(s)	None included

Combining the care devoted to a handcrafted instrument and the precision of modern manufacturing, the HD 800 S lets you explore your music collection from the inside out.

The HD 800 S demonstrates over 75 years of audio expertise, redefining the critical listening experience. Our goal was to provide acoustics so immersive that your awareness dissolves into the creator's perspective.

The headphones' vibration-damping chassis and inert headband insert provide complete stability. At the same time, the 56mm Ring Radiator transducer helps you retrieve the most critical details from every corner of your music collection.

- Sennheiser signature sound for a natural spatial listening experience with minimal resonance
- Reference class open-back design for a spacious soundstage
- 56mm Ring Radiator dynamic transducer for a natural balanced sound
- 40mm voice coil for crisp clean audio
- Vibration dampening chassis limits vibrations to provide stability for audio reproduction
- Inert headband damping element reduces vibrations through the headband
- Acoustic absorber system to reduce frequency masking
- Ultra-ergonomic design with an adjustable metal headband and dual-axis articulating earcups
- Luxurious comfort from the microfiber ear and headband padding
- Premium materials with matte black metal components provide a sleek modern aesthetic
- Specially tuned symmetrical cable with gold plated 4.4mm (balanced) and 6.35mm (unbalanced) jack plugs
- Expert craftsmanship developed in Germany and precision-built at Sennheiser's state-of-the-art Ireland plant

Packaging

In the box: HD 800 S headphones
Unbalanced cable with 6.35 mm jack plug (3 metre)
Balanced cable with 4.4 mm jack plug (3 metre)
Manual
USB flash drive* with unique frequency response plot
**The USB flash drive will no longer be included in new stock from Q2 2023 onwards.*

Packaging type	Rigid cardboard box with cardboard sleeve
Dimensions product packaging (L x W x H)	273 x 145 x 351mm
Weight of headphone with packaging	2310g
Dimensions of outer master carton (L x W x H)	281 x 358 x 608mm
Number of products per outer master carton	4
Total weight of outer master carton & products	10374g

WEEE packaging information

Material of single package (incl. weight)	Paper / cardboard: 218 g Plastics: 26 g
Material of outer master carton (incl. weight)	Paper / cardboard: 1134 g
WEEE Weight (Net Weight)	630 g
WEEE Code	B2C004002