

# PHILIPS

## Headphones

### Fidelio

High-resolution audio

Over-ear

Acoustic open-back design

Breathable ear cushions

X2HR



## High resolution sound, in the comfort of home

With the Fidelio X2HR headphones, you're in for an authentic listening experience in exquisite sound and comfort, in your very own home. Immerse in pristine sound details and custom-fit design that's crafted for your total enjoyment.

### Intuitive and enjoyable ease of use

- 3.5-mm-to-6.3-mm adapter included
- Dedicated cable management clip for tangle-free ease

### Crafted for comfort

- Breathable velour cushions to help disperse pressure and heat
- Self-adjustable airy hammock with 3D mesh for a perfect fit
- Deluxe memory foam earpads for long-wearing comfort

### Full immersion in pristine details

- High-resolution audio reproduces music in its purest form
- Powerful 50 mm neodymium drivers for wide yet precise range
- Acoustic open-back architecture for pristine audio fidelity
- Layered motion control diaphragm delivers precise sound
- Pre-tilted drivers fit the ears for minimal sound reflection
- Double-layered ear shells engineered for sound precision

# Highlights

## 50-mm high-power drivers



Each speaker is carefully handpicked, tuned and tested, and is paired for the most detailed natural sound. The 50-mm drivers utilise high-power neodymium magnets to reproduce all your music's dynamics and deliver well-balanced crisp bass, transparent mid-range and pristine high frequencies.

## Acoustic open-back design



An acoustic open-back architecture eliminates air pressure build-up behind the driver, allowing the diaphragm ample free movement, greatly enhancing sound transparency and smoothening extended high frequencies.

## Layered motion control



Layered Motion Control (LMC) drivers feature a multi-layered polymer diaphragm that encases a layer of damping gel. These layers form a flexible

boundary and – together with the gel – absorb and dampen any exaggerated frequencies, resulting in a smooth and flatter frequency response. The result is a more balanced, natural and refined range of high-frequency sounds.

## Self-adjustable hammock



The self-adjustable lightweight hammock features an airy 3D mesh, which is not only breathable, but is also flexible enough to ensure a perfect fit – always.

## Breathable velour cushions



Crafting the Philips Fidelio X2HR starts with meticulously choosing each material for its functionality and ergonomic comfort. Deluxe memory foam ear-pads are matched with a velour material of optimised density with high breathability, to dissipate pressure and heat for longer-wearing comfort.

## Double-layered ear shells

The Philips Fidelio X2HR's double layered earshells are engineered to reduce resonance and vibration, bringing you flawless sound with genuine precision and uncompromised detail.

The solid, layered construction ensures durability, making X2HR the ideal music companion at home.

## Memory foam ear pads

The materials used for the Fidelio X2HR are carefully selected to ensure long-wearing comfort and enhanced sound performance. Deluxe breathable ear pads with memory foam are designed for optimal ergonomic fit. Not only does the foam mould itself perfectly to the shape of your ear, it also seals in bass sounds while keeping out ambient noise.

## High-resolution audio



High-resolution audio offers the best in audio performance, reproducing original studio master recordings more faithfully than 16 bit/44.1 kHz CD formats. This uncompromising quality makes high-resolution audio the best sound companion for the music lover. Fidelio headphones meet the stringent standards required for the Hi-Res Audio stamp of quality. Whether you are enjoying your Hi-Res collection or a more traditional music source, the smooth extended high frequencies of the Fidelio headphone range help you get more from your music.

# Specifications

## Sound

**Acoustic system:** Open  
**Frequency range:** 5 - 40,000 Hz  
**Speaker diameter:** 50 mm  
**Impedance:** 30 Ohm  
**Maximum power input:** 500 mW  
**Sensitivity:** 100 dB @ 1mW  
**Distortion (THD):** <0.1% THD  
**Driver type:** Dynamic  
**Hi-Res Audio**

## Connectivity

**Detachable cable**  
**Headphone socket:** 3.5 mm

## Outer Carton

**Length:** 26.5 cm  
**Number of consumer packages:** 2  
**Width:** 25.5 cm  
**Gross weight:** 2.15 kg  
**Height:** 31 cm

**GTIN:** 1 69 51613 99201 9

**Net weight:** 0.87 kg  
**Tare weight:** 1.28 kg

## Packaging dimensions

**Height:** 32 cm  
**Packaging type:** Box  
**Type of shelf placement:** Hanging  
**Width:** 24 cm  
**Depth:** 12 cm  
**Number of products included:** 1  
**EAN:** 69 51613 99201 2  
**Gross weight:** 0.91 kg  
**Net weight:** 0.435 kg  
**Tare weight:** 0.475 kg

## Product dimensions

**Height:** 23 cm  
**Width:** 19 cm  
**Depth:** 11 cm  
**Weight:** 0.38 kg

## Accessories

**Others:** 1 pcs cable management clip  
**Audio cable:** 3.5 mm stereo cable, L=3 m  
**Included adapters:** 3.5-6.3 mm adapter plug  
**OFC (Oxygen free cable)**

## Design

**Colour:** Black  
**Wearing style:** Headband  
**Ear coupling material:** Fabric  
**Ear fitting:** Over-ear  
**Earcup type:** Open-back

## UPC

**UPC:** 8 89446 00718 3