

ELEAR

Product Data Sheet

PATENT PENDING



Elear is an open back pair of headphones featuring numerous innovations from Focal, which are key to their outstanding acoustics performance. Elear offers the world's first, full range and fully open back loudspeaker, built-in to a pair of headphones. Additionally, they are made from an Aluminum-Magnesium blend, in a formed shape, unique to Focal with the company's brand new "M" shape dome. This new dome shape has originated from the research performed during the Utopia headphone project that will offer the highest quality sound, while avoiding potential avenues of distortion.

The acoustic quality of this exclusive solution allowed Focal to avoid the use of any crossover or passive filtering process in order to achieve a frequency response from 5Hz to 23kHz.

The result is thus impressively realistic, making the headphones virtually disappear and providing listeners with a truly unique high-fidelity audio experience. Elear also benefits from the R&D done on Utopia. With regards to mechanical design, the rotation traditionally included on the yoke has been moved into the headband to ensure the total purity of the design. The microfiber fabric, used on the cushions, offers a true comfort for all head shapes and sizes – a quality that is mandatory for long listening sessions.

Leather headband including length adjustment mechanism and ear cup rotation

Aluminum yoke specially designed to fit all kind of sizes and varying shaped heads

0²⁵/₃₂" (20mm) thick memory foam cushion. Microfiber fabric cushion

Open back ear cups for a total decompression of the loudspeaker

2 x 0⁹/₆₄" (3.5mm) jack with self-locking system

13.1ft (4m) OFC shielded extremely low impedance (<90 mΩ) cable

0¹/₄" (6.35mm) stereo Jack connector

Key points

- Headphones Made in France
- Open back circum-aural headphones dedicated to low noise environments
- High-fidelity pair of headphones featuring full range loudspeakers made of Aluminum-Magnesium "M" shape dome (patent pending)
- Mechanical design offering a full compatibility to any morphology
- Balanced cable with channels separation for fast and easy custom-made solutions (bi-amp)



1³⁷/₆₄" (40mm) full range loudspeaker featuring an Aluminum-Magnesium "M" shape dome

Accessories provided

- Rigid carrying case with magnet locking system
- 13.1ft (4m) OFC cable (1 x 0¹/₄" (6.35mm) stereo Jack 2 x 0⁹/₆₄" (3.5mm) Jack with self-locking system)



Type	Circum-aural open back headphones
Impedance	32 Ohms
Sensitivity	104dB SPL / 1mW @ 1kHz
THD	<0.3% @ 1kHz / 100dB SPL
Frequency response	5Hz - 23kHz
Loudspeaker	1 ³⁷ / ₆₄ " (40mm) Aluminum-Magnesium "M" shape dome
Weight	0.99lb (450g)
Cable length	13.1ft (4m)
Connectors	1 x 0 ¹ / ₄ " (6.35mm) stereo Jack connector 2 x 0 ⁹ / ₆₄ " (3.5mm) Jack
Carrying case	7 ⁷ / ₈ " x 11 ¹³ / ₁₆ " x 15 ²³ / ₆₄ " (200x300x390mm)