

QUAD

BRITAIN'S ORIGINAL HIGH-END AUDIO COMPANY

'The Closest Approach To The Original Sound'

these words have formed the cornerstone of QUAD's philosophy since 1936.

More than just a slogan, it underlies the company's commitment to producing the finest audio equipment, capable of reproducing all the elements and emotion of a live musical performance.

QUAD has been responsible for many landmark products throughout its history, none more famous than successive generations of the ESL – the world's most revered electrostatic panel loudspeaker, a technology invented by QUAD's founder, Peter Walker.



ERA-1

A NEW ERA

QUAD has drawn upon its expertise with electrostatic loudspeakers to design its planar film diaphragm headphones – the ERA-1.

To ensure a natural sound in keeping with the company's heritage, QUAD's engineers have developed a planar magnetic drive film delivering fast, open and transparent performance, similar in quality to the famous ESLs.



QUAD

the closest approach to the original sound

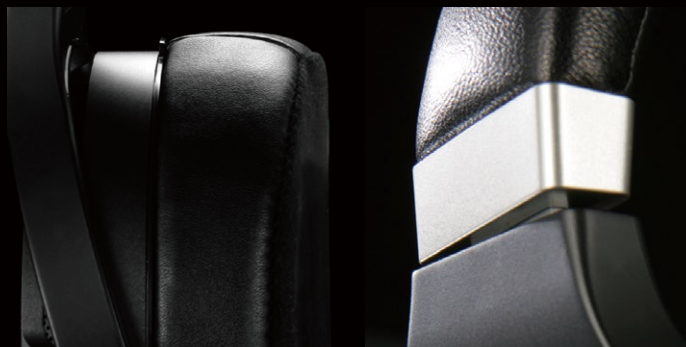
NO ORDINARY HEADPHONES

Most headphones use mass-produced dynamic cone drivers, the limitations of which can hamper transient response and cause an uneven frequency response. QUAD's cutting-edge planar magnetic technology delivers a more natural and accurate sound, ensuring you hear every nuance of a recorded musical performance.



The QUAD ERA-1 incorporates an ultra-thin, electrically active diaphragm – thinner than a human hair yet extremely strong and highly elastic, weighing less than the volume of air it displaces. This is fused with a precisely arranged magnet array, designed to maximise sensitivity and consistency of the applied force over the driver area.

Patented nonlinear vibration suppression technology allows the driver's effortlessly extended frequency response to be heard unsullied, ensuring perfect clarity. The metal cavity behind the driver is specially designed

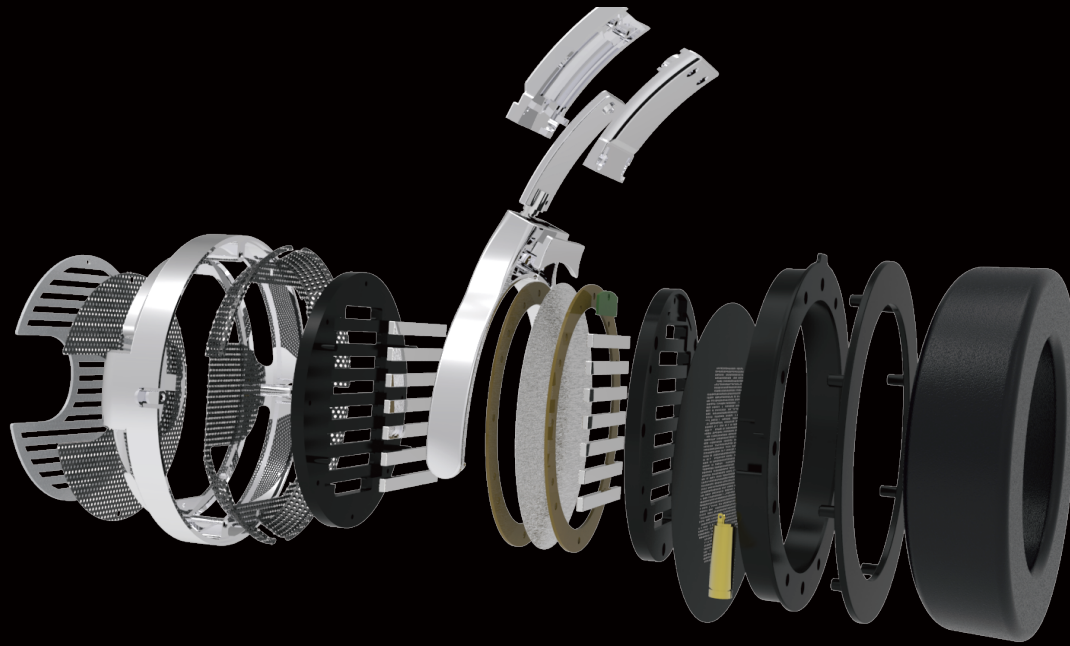


for optimal acoustic performance, and the drivers themselves are closely matched to ensure spacious, three-dimensional stereo imaging. The result is that ERA-1 provides a musically engaging, dynamic and effortless sonic performance that suits all types of music.

MUSICAL MAGNETISM

When sound enters our ears, it has a planar wave front with all spectrum components in phase. A typical dynamic headphone driver disrupts this coherence with its phase irregularity, resulting in less than perfect signal peak reconstructions.

QUAD's planar magnetic driver has much better phase coherency, since all parts of the diaphragm are vibrating in concert without break up and delayed resonance. The driver's flat conductor pattern, with an absence of inductive components, eliminates inductance-related intermodulation distortion – this is especially common in dynamic drivers with high impedance and a high number of voice coil turns.



Many planar magnetic headphones require high-power amplifiers to drive them. The QUAD ERA-1 combines high sensitivity with low impedance to enable excellent performance with a wide range of partnering devices, from portable audio players to high-end headphone amps. QUAD's valve-based PA-One headphone amp/DAC makes a superb match for the ERA-1, combining sonic clarity and fluidity to stunning effect.

QUAD EQUALS QUALITY

QUAD audio components combine the assurance of tradition with the excitement of innovation, and the ERA-1 headphones are a perfect example. Robust construction and a premium finish deliver a suitably luxurious feel, yet the headphones are comfortably lightweight compared to many planar magnetic designs. A choice of two ear cushions are provided – one made of soft leather, the other fashioned from latex with a soft, fleecy layer in contact with your ear. A high-quality, detachable 215cm cable is also supplied, together with a durable carrying case.



Synthetic Leather With Flannel Wrapping Ear Cushion



Genuine Sheep Skin Ear Cushion



PLUG YOUR EARS INTO THE MUSIC

High-resolution sound, teeming with musical expression – the ERA-1 headphones submerge you in the performance of your favourite musicians with direct and engaging intimacy. Once again, QUAD delivers ‘the closest approach to the original sound’, bringing you up close and personal to the music you adore with beguiling clarity and definition.



Specifications

Model	ERA-1
Type	Planar Diaphragm Headphones
Impedance	20 Ω
Sensitivity	94 dB/mW
Frequency Response Range	10 - 40,000Hz
Total Harmonic Distortion	\leq 0.2% (1kHz,100dB)
Rated Input Power	100mW
Weight w/o Cable	420g

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