Crosszone CZ - 8A

Hi·Res AUDIO

Drivers that Achieve Natural Sound Quality and Range Balance

The main channel contains a Φ40mm low frequency driver unit and a Φ23mm high frequency driver. Another Φ35mm cross-feed driver is for the opposite channel sound. Each driver is beryllium coated to ensure uniform and smooth sound quality. In addition, a brass ring is attached to each unit frame to increase strength and eliminate unnecessary vibration.


Enhanced Sound Localization with Wave Front Control Technology

CZ- 8A continues to optimize ART (Acoustic Resonance Technology) and focuses on wave front control that minimizes the influence of differing ear shape to sound, further enhancing the external sound localization effect. The sounds emitted from speakers spread out as spherical wave fronts at first and gradually become planar as it gets closer to the listener. These plane wave fronts allow us to determine the direction and distance of sound. However, with headphones, the sound source is very close and reaches the ear in the form of spherical wave fronts. In the CZ-8A, a wave front control guide is devised using the principle of acoustic lens, which delays the sounds and adjusts the wave front reaching the ear. The external sound localization presents an even more natural sound field and sound image.

Aluminum Cover Minimizing External Noise & Improves Reproduction of Smallest Sound Signals

The CZ-1 and CZ-10 has an ADC (Acoustic Delay Chamber) that delays opposite channel sounds, designed on the outer cover of the headphone. CZ-8A places the ADC within the cover, wrapped with aluminum. The shielding effect of this cover reduces the effect of electromagnetic noise on the drivers and allows for a clear and detailed playback of sounds.
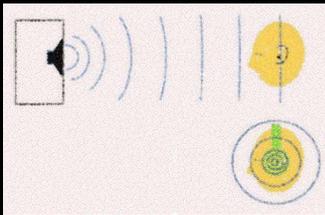
Comfortably Fitting 3D Ear Pad

CZ-8A ear pads are 3D designed – with different thickness front and back. Coupled with the curvature on the baffle close to the ear, the ear pads fit comfortably to the head without discomfort, leading also to a stable reproduction of low-frequency sounds.