

Concept

The EPOS ES-28N is a three-way floorstanding loudspeaker and the most powerful model in the current EPOS range.

Its design aims to deliver the typical EPOS sonic characteristics — neutrality, naturalness and musical dynamics — in a loudspeaker capable of filling larger listening rooms.

As with the other models in the series, the ES-28N follows a clear engineering philosophy: direct signal paths, careful driver integration and a balanced tonal character.

Driver Concept

The ES-28N uses a three-way driver configuration, where each frequency range is handled by a dedicated driver.

Two 7-inch woofers provide powerful and controlled bass reproduction. The midrange driver, derived from the ES-7N design, handles the critical midrange frequencies and ensures natural reproduction of voices and instruments.

High frequencies are reproduced by the same tweeter used in the ES-14N, providing detailed and fatigue-free treble performance.

Cabinet Construction

The cabinet uses a sandwich construction consisting of two MDF panels with a high-damping adhesive layer.

The front baffle is 50 mm thick, consisting of multiple MDF layers that increase structural rigidity and minimise vibration.

The two woofers operate in a dedicated bass reflex compartment, which is carefully braced to minimise cabinet coloration.

The midrange driver is housed in its own sealed enclosure, with a triangular rear shape designed to minimise internal reflections.

The space behind the tweeter contains the crossover network, isolating the electronic components from high sound pressure levels inside the cabinet.

Bass Reflex System

The bass reflex port is located on the bottom of the cabinet.

This design allows the use of a large-diameter port with sufficient length to minimise resonances while maximising low-frequency output.

The port also incorporates pressure equalisation openings, reducing resonances within the port itself.

The opening in the base is dimensioned so that bass performance remains unaffected even when the speaker is placed directly on the floor without spikes.

Time Alignment

The cabinet of the ES-28N is slightly tilted backwards, improving the time alignment of the drivers.

This ensures that the sound from the different drivers reaches the listener more simultaneously, resulting in coherent reproduction and precise stereo imaging.