

### Concept

The EPOS ES-14N builds upon the concept of the original ES-14, a loudspeaker widely recognised for its natural and musical sound reproduction.

The goal of the new development was to preserve the acoustic principles of the original design while significantly improving performance using modern development tools and measurement techniques.

The ES-14N retains the characteristic approach of the classic design: a generously sized stand-mount cabinet, a wide-band bass/midrange driver and a carefully optimised crossover network.

This approach combines the sonic philosophy of the classic EPOS design with the possibilities of modern loudspeaker engineering.

---

### Driver Concept

At the centre of the design is a bass/midrange driver with a wide operating range, covering both bass and midrange frequencies.

The driver size was deliberately chosen between common industry standards. This allows the loudspeaker to combine strong bass performance with natural midrange reproduction.

High frequencies are reproduced by a high-resolution tweeter, delivering precise and detailed treble performance.

---

### Crossover

The crossover network has been developed to ensure coherent integration between the two drivers.

Particular attention has been paid to achieving a smooth transition between the midrange and treble regions as well as stable dispersion characteristics.

The careful crossover design contributes significantly to the natural tonal balance and spatial presentation of the ES-14N.

---

### Cabinet Construction

The cabinet uses a double-layer MDF sandwich construction, bonded together with a modern high-damping adhesive.

# ENGINEERING NOTES

## EPOS ES-14N

This construction effectively reduces cabinet resonances and contributes to a clean and controlled sound reproduction.

Additional internal bracing stabilises the cabinet structure and reduces unwanted panel vibration. Only a moderate amount of internal damping material is used to maintain openness and dynamic response.

---

### **Placement and Stand**

The ES-14N is designed for use on a dedicated loudspeaker stand developed specifically for this model.

The stand positions the drivers at the acoustically optimal height relative to the listening position, ensuring precise stereo imaging and a stable soundstage.

Its mechanically stable construction helps control vibration transmission and contributes to the clean and accurate reproduction of the loudspeaker.

The combination of loudspeaker and dedicated stand provides a professionally optimised installation, allowing the ES-14N to deliver its full performance potential.