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## 3D Immersive Sound - Extra-small speakers



Surround cinema coaxial speakers for 3D immersive systems



### AX5-8Fe

The AX5 is an extra-small surround high-end cinema speaker, designed to reproduce surround channels within a 3D immersive system.

The AX5 is equipped with a low/medium-frequency 5" (12.7cm) loudspeaker and a 1" Ferrite high-frequency driver.

The use of a coaxial loudspeaker allows to reduce as much as possible the height of the enclosure and to have a wide circular and homogeneous directivity, near 95°.

**The AX5 can be assisted with DK Audio extra-thin bass reinforcement modules: R212 (17 cm depth) or R15 (34.5 cm depth) or either R18EXP (34 cm depth).**

This versatile speaker comes with 3 different enclosures to cover all possible common surround configurations with its included bracket/wall mount.

Musicality, precision and dynamics are merged with an excellent performance in a tiny form-factor enclosure. This allows AX5 to easily reproduce the most sophisticated and constraining sound messages with a studio audio quality.

Its design and ergonomics fits with the immersive 3D audio whitepapers, and thus offers a minimal height under ceiling, whatever the vertical inclination.

Orientation options: AX5 has been designed to fit in any immersive system in small rooms, whatever the distance between the walls or ceiling and the seats. It can be used under balconies or in any other small room configuration.



## TECHNICAL SPECIFICATIONS

Frequency response ( $\pm 3\text{dB}$ ): **80 Hz - 19 kHz**

Usable bandwidth ( $-10\text{dB}$ ): **65 Hz - 21 kHz**

Efficiency (2,83 Vrms @1m): **95 dB**

AES power capacity: **175 W**

RMS power capacity: **145 W**

Advisable amplification: **200 - 400 W**

Maximum calculated SPL: **117 dB**

Peak calculated SPL: **123 dB**

Impedance: **8  $\Omega$**

Directivity ( $-6\text{dB}$ ): **95° conical**



## PHYSICAL SPECIFICATIONS

Dimensions incl. bracket HxWxD:

AX5-0-15: **300 x 230 x176 mm**

AX5-40-70: **300 x 290 x180 mm**

AX5-15-45: **300 x 314 x180 mm**

Material: **12mm birch plywood**

Finishing: **Black textured paint**

Connectors: **Universal terminal block**

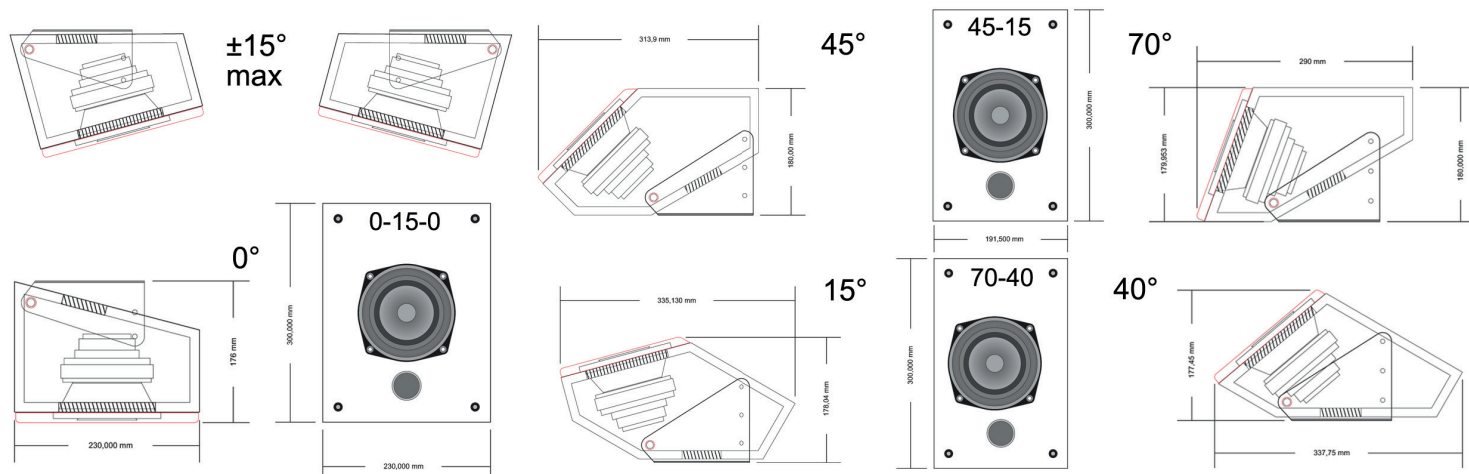
Front mask: **Black textile (Jersey) on wooden frame**

Bracket: **20/10 steel, black satin oven-baked paint**

Weight: **5.65 / 5.70 / 5.90 Kg (excl. bracket)**

Compatible with **DOLBY® ATMOS** and **Barco® Auro 11.1**

## SHAPE DRAWINGS



## COMPLEMENTS AND ACCESSORIES

R212: **Twin 12" extra thin (Depth 17cm) bass reinforcement**

R15: **15" thin (Depth 34,5 cm) bass reinforcement**

R18EXP: **18" very thin (Depth 34 cm) bass reinforcement**



## ACOUSTIC EQUIPMENT

Low/medium-frequency speaker: **1 x 5" with 1.5" coil, aluminium wire, ferrite magnet**

High-frequency driver: **1 x 1" with 1" coil, edge-winding flat aluminium wire, polyester membrane, ferrite magnet**

Passive filter: **Epoxy printed circuit board, plastic-film capacitors, high-quality iron and air chokes, non-inductive wound resistors**