

iva SIX-26 ef))
(IN-DEVELOPMENT)
WWW.IVA.COM.MY

ECHO-FIGHTER • FRONT FILL • UNDER BALCONY • MONITOR • FULLRANGE

AV ELECTRONICS MARKETING SDN BHD

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Active-DSP: Turning raw sound into diamond-grade

The IVA SiX-26eF is a testament to IVA's commitment to developing advanced passive technologies aimed at combating echo and excessive reverberation. The "eF" designation is the acronym of echo fighter — our first loudspeaker engineered specifically to deliver clear, intelligible sound in acoustically challenging venues. Designed for deployment in echo-prone spaces such as mosques, churches, shopping mall concourses, and meeting rooms, the SiX-26eF performs exceptionally as an active fullrange loudspeaker.

Its flexible form factor also makes it ideal for use as a front fill, under-balcony speaker, or stage monitor—simply rotate the horn for horizontal placement. The IVA SiX-26eF is the ultimate solution for venues seeking clarity, control, and high-quality sound in acoustically demanding spaces.



Features



Utilizes the high quality Analog Device's SigmaDSP® chipset



Passive waveguide control designed for echo and reverb prone spaces



5 custom tuned presets for variety of loudspeaker deployment



Rotatable Horn for front fill, under balcony and stage wedge deployment



Constructed with solid plywood cabinets designed for low tuning frequency



Optional designer grille for mosque and church

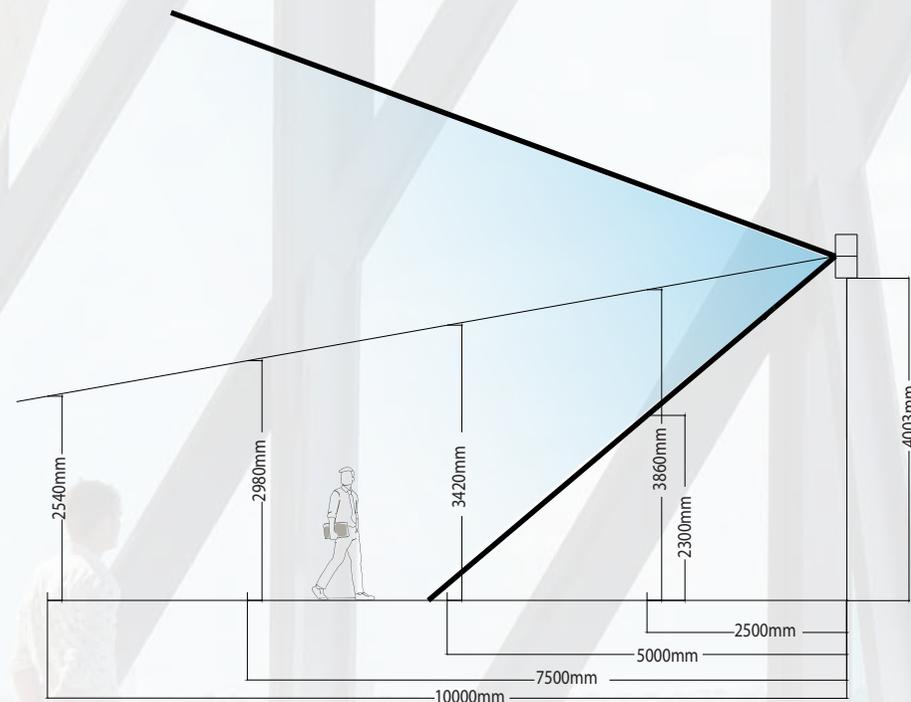
Tame the Echo. Naturally.

The SiX-26eF is engineered for acoustically challenging spaces. Its smart design features a built-in 10° downward High-Frequency (HF) bias, which naturally directs sound toward the audience and away from reflective ceilings, even without mechanical tilting. This bias also improves near-field coverage.

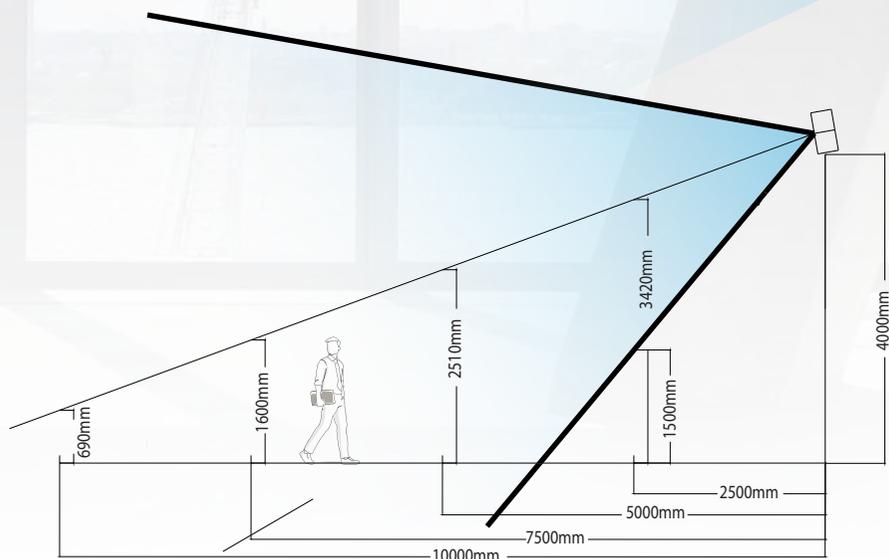
Combined with a tweeter-between-woofer configuration that tightens vertical mid-frequency dispersion, the SiX-26eF significantly controls mid and high frequencies—the core components of speech clarity—making it one of the most capable loudspeakers in its class for clear audio in highly reverberant environments.



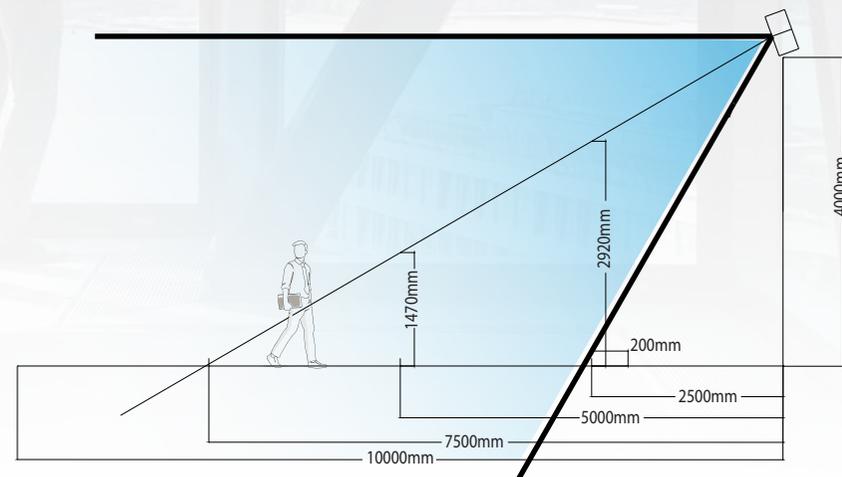
Speaker Coverage Example



10 degree bias downwards



10 degree bias downwards+spk downtilt 10 degree

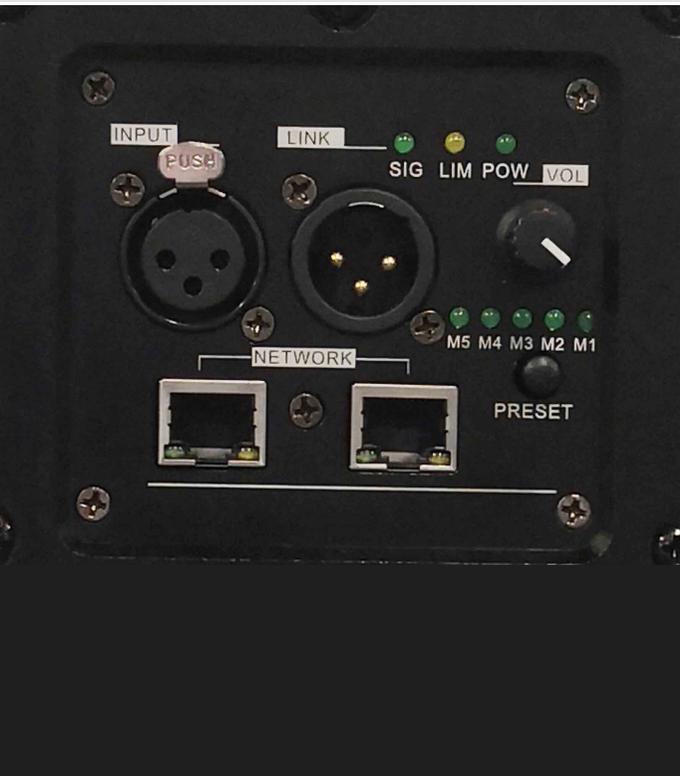


10 degree bias downwards+spk downtilt 20 degree

One DSP. Five Presets. Zero Stress

The SiX-26eF is designed for versatility, featuring a simple switch that toggles between 5 optimized presets. These presets are engineered to ensure perfect sound consistency by automatically applying precise frequency corrections to counteract acoustic issues, particularly boundary gain. This ensures the acoustic performance remains consistently smooth and professional, regardless of where or how the loudspeaker is deployed.

You can deploy the SiX-26eF anywhere—from a stand to a tight corner—and be confident that the sound quality will remain consistently excellent and perfectly tuned.



Preset Situations Covered

- M1 Free Air / Stand Mount**
For deployment on a stand or in open space, where boundary interference is minimal.
- M2 Near Wall Installation**
Compensates for the low-frequency gain and early reflections introduced by a single adjacent wall.
- M3 Corner Installation**
Applies the necessary low-frequency cuts to mitigate the significant bass buildup and room mode excitation common in corner placements.
- M4 Horizontal / Fill Mode**
Optimized for use as front fill, under-balcony, or horizontally oriented as a stage monitor, often requiring specific high-pass filtering or high-shelves filtering. Horn to be rotated 90° Bias downward for under balcony Bias upward for front fill
- M5 Fullrange Boost**
A specialized mode that applies a controlled low-frequency enhancement for situations demanding extra bass extension or impact.

One Speaker. Three Personalities

The SiX-26eF is designed to be as visually compelling as it is acoustically excellent, ensuring seamless integration into any architectural space. The standard sleek white finish effortlessly blends with virtually any modern interior design.

Customization Options to Fit Your Vision:

Standard Professional Grille

The speaker features a durable, professionally crafted, yet discreet grille suitable for all commercial and professional venues.

Optional Architectural Grille

For spaces demanding sophisticated aesthetic integration — such as churches, mosques, or heritage sites — a specially designed decorative grille is available. This option transforms the SiX-26eF into a perfect complement for high-end interior and architectural design, making the speaker pleasant to both the eyes and the ears.

Vintage Aesthetic (Grille-Off)

For classic audio enthusiasts, the grille is fully removable. Revealing the structured placement of the transducers creates a striking black-and-white contrast that instantly evokes a vintage, retro aesthetic, ideal for enhancing the vibe of specialized listening rooms, cafes, or galleries

Fly It, Pole-Mount It, Bolt It, Stage It.



Fullrange

Matching its acoustic adaptability, the SiX-26eF offers ultra-flexible rigging options for quick and precise installation. It includes a dedicated pole socket for standard stands and multiple rigging points for secure overhead flying. Crucially, it fully supports a versatile C-shaped mounting bracket for both vertical and horizontal installations (ideal for low-profile under-balcony or front-fill).

The speaker also converts instantly into a high-performance stage monitor using optional screw-in legs, ensuring perfect deployment in any application.



Under Balcony



Front Fill



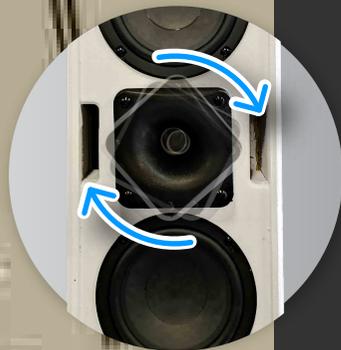
Stage Monitor



The Prince of Horizontal: Small Stature, Royal Performance.

The IVA SiX-26eF is a master of adaptation, specifically engineered to rule the horizon when venue requirements demand a low-profile footprint. Its true power lies in its rotatable horn, a feature that ensures majestic audio performance regardless of where the speaker is deployed. When utilized as a stage monitor, the included leg accessories create the perfect floor angle; by rotating the horn with a 10° upward bias, the sound is directed precisely at the performer while eliminating muddy floor reflections.

This regal precision extends to under-balcony applications, where the horn can be adjusted to a 10° downward bias to bathe the audience in direct sound rather than reflecting off the ceiling. Even in front-fill setups, the SiX-26eF offers total command over coverage; users can simply rotate the horn downward for high stages or upward for lower platforms to suit the specific geometry of the room. To ensure no compromise in quality, specialized Horizontal DSP Presets have been tuned to eliminate excessive low-frequency ballooning. This sophisticated processing ensures that the horizontal audio quality remains just as pristine and balanced as a traditional vertical or wall-mounted installation.



Engineered for the PRO. Simplified for the DIY.

The IVA Six-26eF is the result of a design philosophy that prioritizes both the listener and the installer. We have carefully engineered this speaker to support the unsung heroes who handle challenging installations at height. By incorporating an ergonomically rear handle, we ensure that installers can maintain a secure, confident grip with one hand while ascending a ladder.

Once at the mounting point, the design allows the second hand to comfortably support the base, making the transition to wall or ceiling brackets seamless and painless. This intuitive approach makes the installation process so efficient and straightforward that it is accessible even for DIY enthusiasts. Furthermore, the speaker is pre-angled with a 10-degree downward tilt, guaranteeing excellent acoustic coverage and superior sound quality the moment it is locked into place.



The World's First Concourse Loudspeaker

The SiX-26eF has been specifically engineered to overcome the persistent acoustic challenges found in large, open concourse areas of buildings and shopping malls. Traditional, bulky loudspeakers often struggle in these vast spaces, resulting in excessive echo, severe reverb, and significant audio spill into adjacent retail units and offices, a source of common annoyance.

The SiX-26eF provides a revolutionary alternative. Developed as a dedicated sound reinforcement solution for concourses, the SiX-26eF delivers exceptional sound reproduction while actively combating echo and minimizing reverb. This ensures messages are delivered with maximum clarity and intelligibility. The compact size of the SiX-26eF allows for discreet installation, blending seamlessly into the environment. Installation is flexible, supporting both horizontal and vertical orientations to suit any architectural requirement. Finished in a clean white, the speaker perfectly complements modern interior designs and acoustic properties of the concourse area. The SiX-26eF is, quite simply, the custom-tailored sound solution your concourse deserves.



SPECIFICATION

Description	Advance DSP 2-Way Column Loudspeaker
Power Configuration	Bi-amped
Transducer Low	2 x 6.5" Woofer, 1.6" Voice Coil
Transducer High	1" Tweeter, 1" Voice Coil
DSP	24 bit 48 kHz SigmaDSP®
Horn Coverage	Rotatable 80° H x 60° V, 10° bias downward vertically
Frequency Response (+/- 3dB)	52 Hz – 15 kHz
Crossover Frequency	Electronics at 1300 Hz
Max SPL	122 dB
Power Rating	300 Watt RMS 600 Watt Peak
Connectors	1 x XLR In, 1 x XLR Out, 2 x RJ45, 1 x PowerCon In, 1 x Powercon Out
External Control	Volume Control / Power ON / Preset Switch
Electronics Protection	Thermal / Overload / DSP Limiter / DSP Compressor
Power Supply	AC 230V, 50/60 Hz
Enclosure Construction	Plywood Cabinet, Metal Grille, Handle-On Top
Mounting Options	Pole Mount, Floor Wedge M8 Legs, 11 x M8 Fly Points
Power Consumption	300 Watt 1.5 Ampere
Weight	12.5 kg net, 14 kg (shipping)
Dimensions (WDH)	230 x 267 x 550 mm 270 x 307 x 590 mm (carton)

SigmaDSP® it's a registered trademark is protected by the US Patent and Trademark Office

