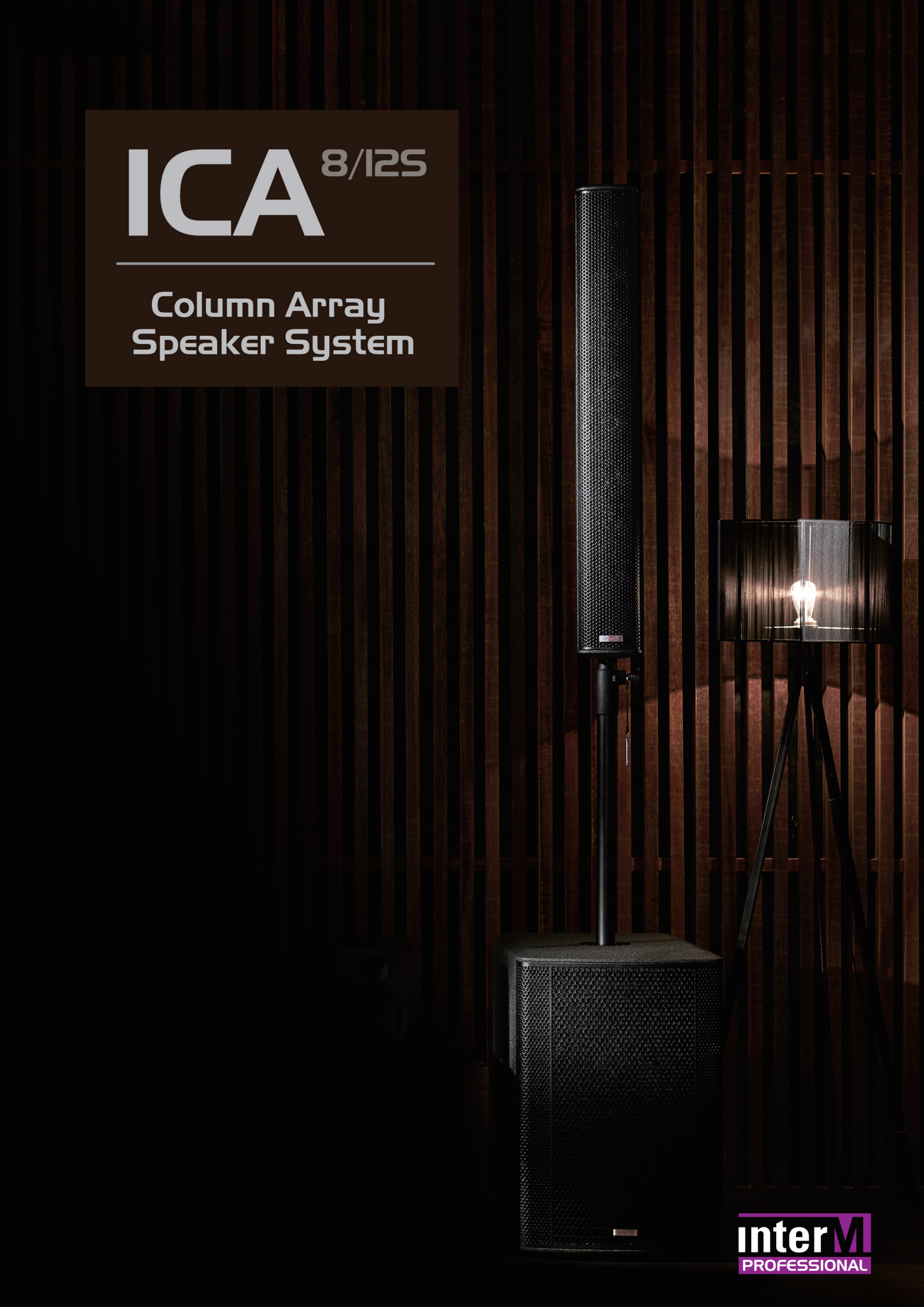
ICA 8/12S

Column Array Speaker System



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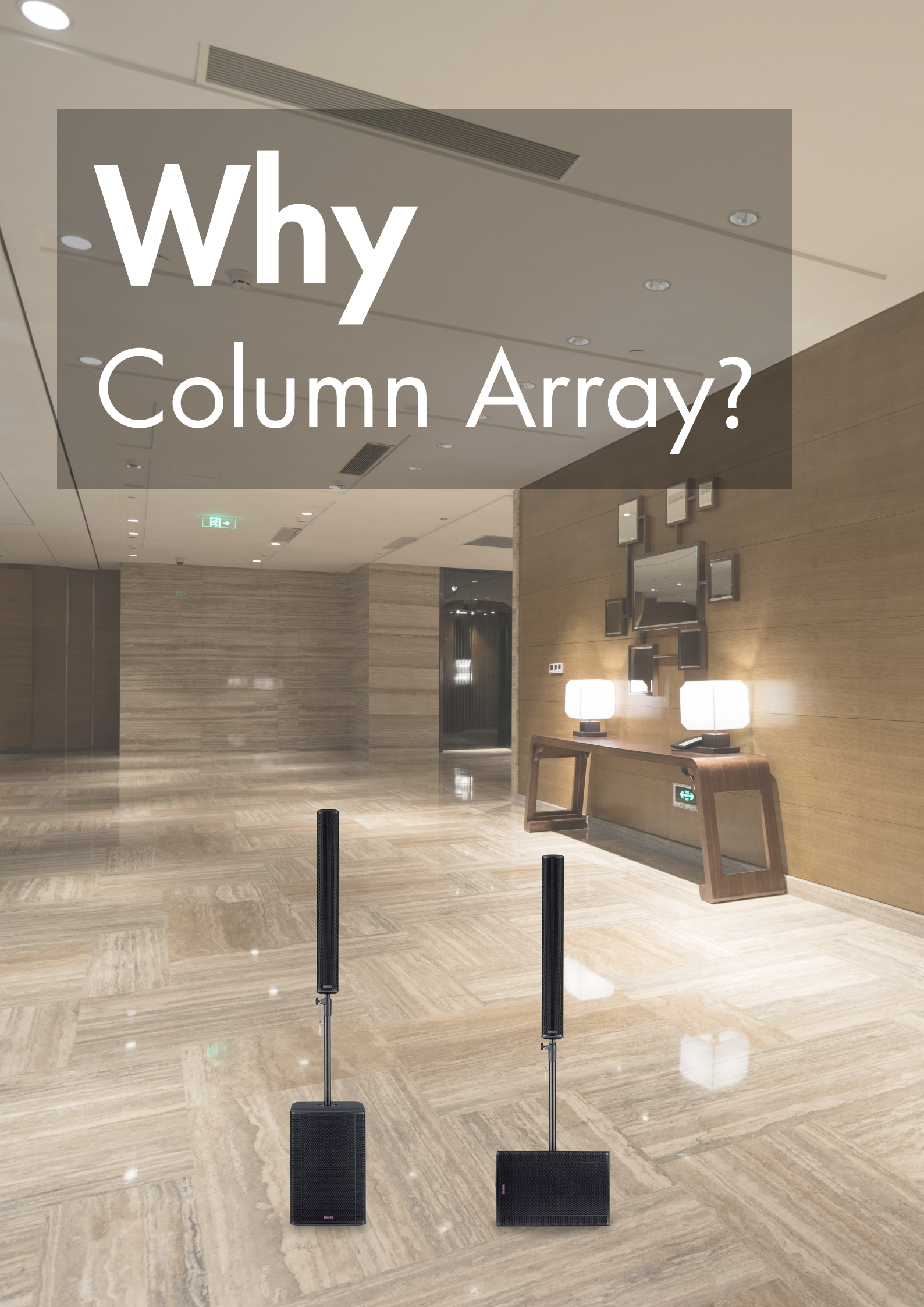
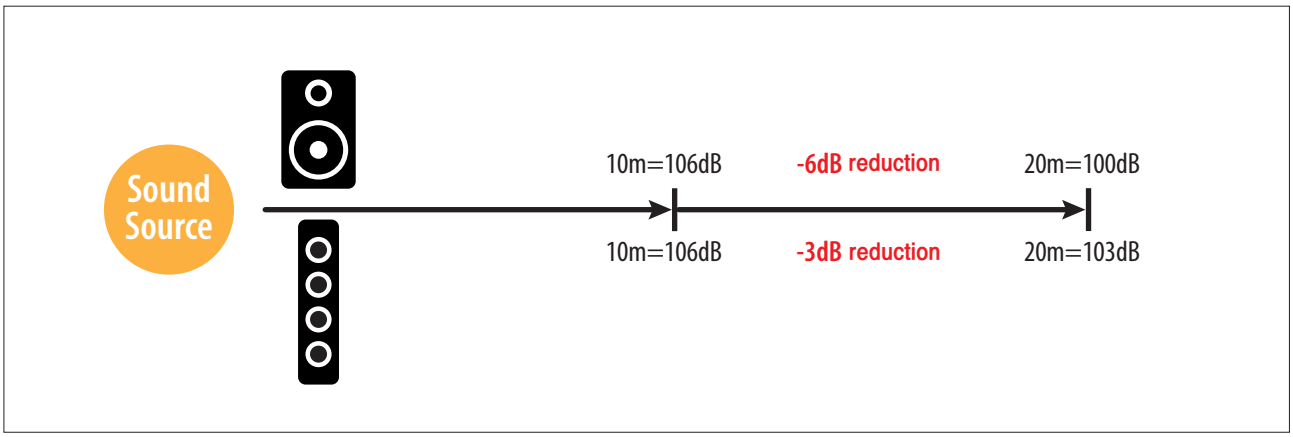
Why Column Array?



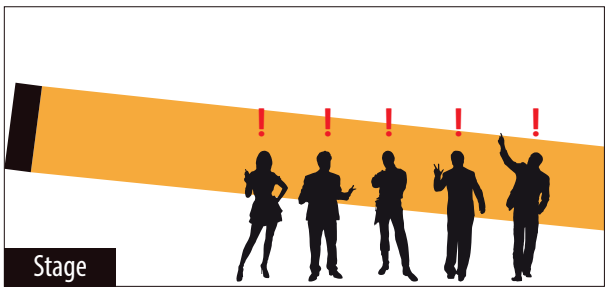


The farther the sound is, the wider the coverage area is, but every time the distance from the sound source is doubled, -6dB of sound pressure attenuation occurs. In a typical point source speaker, as the distance increases, the sound gradually spreads in all directions.

However, line array speakers deliver sound far and clearly in a linear form. A typical speaker has a 6dB reduction with every double distance, but with line array technology, only 3dB is reduced with double distance.
Therefore, the sound can be transmitted clearly to a long distance, and the vertical dispersion angle is narrow, so there is less reflection from the ceiling or structures. The column array speaker is made by combining the array technology with a column speaker design so that the array technology can be used in various environments.



Conventional Speaker



LineArray Speaker

Inter-M Column Array!

The ICA series supports stable delivery of the sound over long distance by arranging driver gaps that minimizes interference between units. Therefore, with the ICA series, despite its small size, it can deliver sound far with high sound pressure.
It is designed with a compact size to minimize the exposure of the speaker and suitable for various environments. Also, it has a stand hole that can be used in various spaces, and a wall-mounting bracket that can be used alone on the wall is provided.
The ICA series is a great choice for small to medium-sized spaces where large line array systems are difficult to install. Also it is good for stylish spaces.





ICA8

- 4”×8 Passive Column Array Speaker
- 4” Full Range Driver with 1” Copper Voice Coil
- 320W output
- Standhole application for stand connection
- Polyurea coating that is resistant to external shocks and water resistant
- Applied birch enclosure

ICA12S

- 12” Compact Sub Woofer Speaker
- 400W high power, clear bass reproduction
- Sound-optimized enclosure design
- Standhole application for stand connection
- Polyurea coating that is resistant to external shocks and water resistant
- Applied birch enclosure





Multi-Purpose Stand Hole

You can use the ICA12S lying on its side or upright.
Listeners can hear the clear sound of the ICA8 better when used in a sitting area.

Compact Design & Color Selectable

For use in churches or banquet halls, the design must be sufficiently considered.
It has a compact design that can be matched with the surroundings anywhere, and the speaker color can be selected from black or white.
It is economical and suitable for various environments, and you can get great sound.



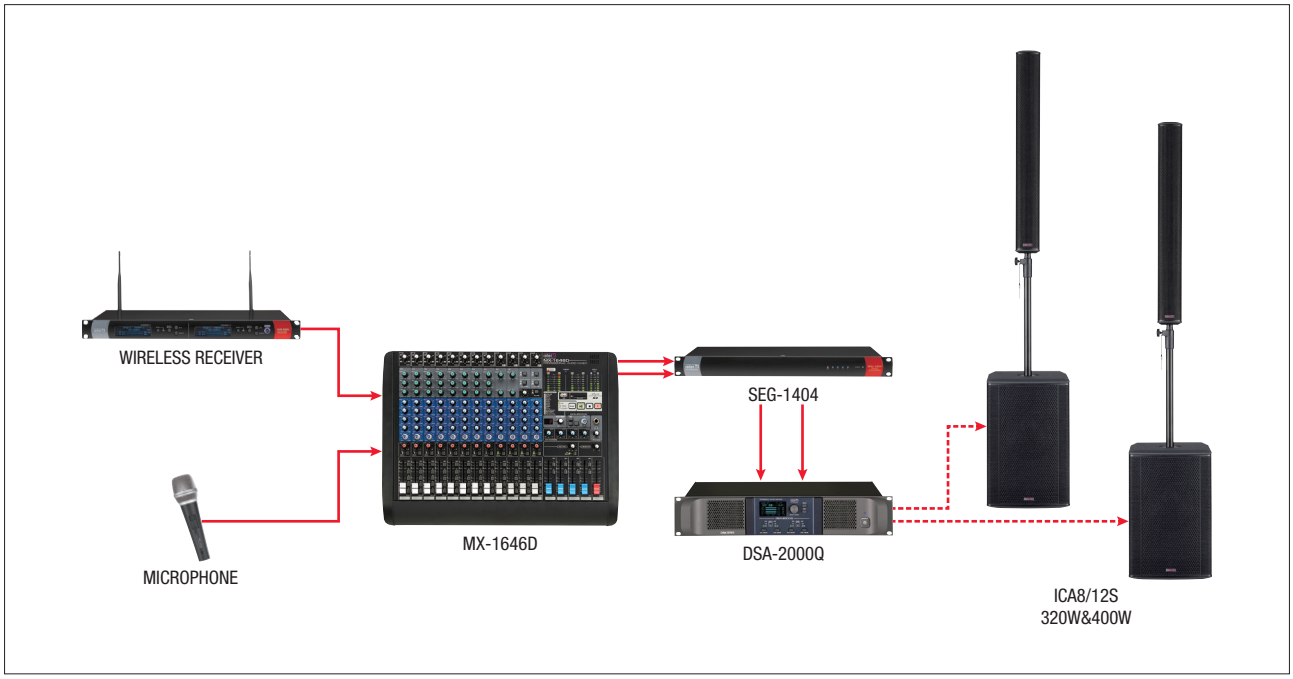


Nordic Birch Plywood

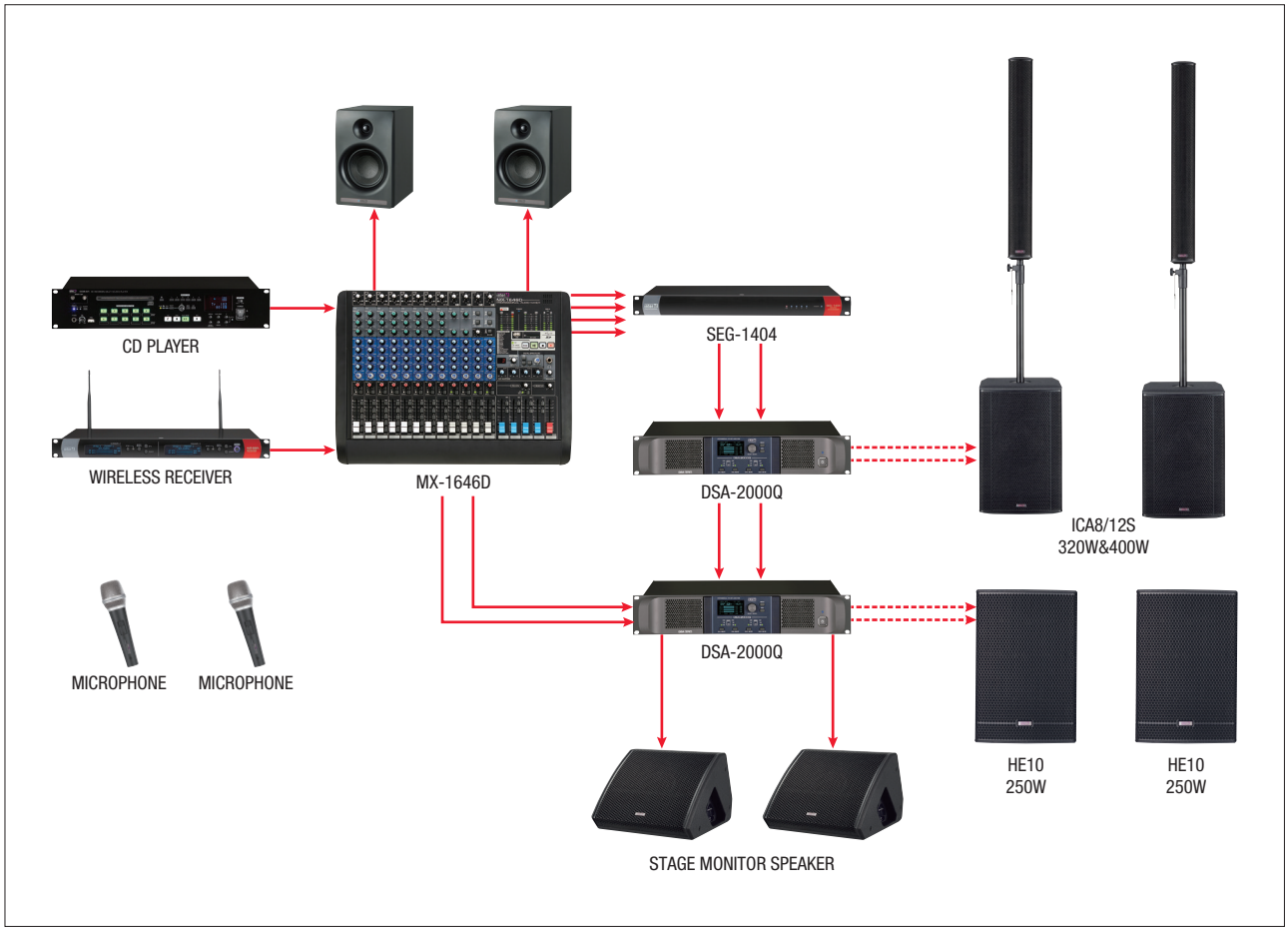
The enclosure of the ICA series speaker is made of a special grade birch from Northern Europe.
There is a very little emission of environmentally harmful substances, and the speaker can be used without deformation for a long time.

Application

Small and medium-sized facilities



Medium and large facilities



Specification

	ICA8	ICA12S
Type	Passive Line Source Column System	Passive Line Source Column System
Frequency Response (±6dB)	150Hz ~ 14kHz	45Hz ~ 170Hz
Frequency Range (-10dB)	140Hz ~ 16kHz	40Hz ~ 210Hz
Power Handling (AES)	320W	400W
Power Handling (Program)	640W	800W
Power Handling (Peak)	1280W	1600W
Recommended Amplifier Power	640W	800W
Sensitivity (1W/1m)	95dB	94dB
Maximum SPL (Peak)	126dB	126dB
Nominal Dispersion	220°x30°(1kHz) / 90°x20°(4kHz)	-
Nominal Impedance	5.3Ω	8Ω
LF Driver	4" Full-range with 25mm 1" voice coil	12" Sub Woofer with 65mm 2.5" voice coil
HF Driver	-	-
Horn	-	-
Enclosure Material	Birch Plywood 15T	Birch Plywood 15T
Grille	SECC 1.5t, Powder Coating/BLACK	SECC 1.5t, Powder Coating/BLACK
Connection	1×SPEAKON (1+,1-)[Parallel]	SPEAKON_Left : Sub (1+,1-)+Full-range (2+,2-) SPEAKON_Right : Full-range thru (1+,1-)
Fittings/Suspension	4 Point M8 inserts (4-Rear)/ ICA-S1_Speaker Stand (Option)	-
Finish	Polyurea Coating	Polyurea Coating
Color	Black	Black
Weights (Net)	10.3kg/22.7lb	34.1kg/75.17lb
Dimensions (Net, W×H×D)	130×1042×170mm 5.11×41.02×6.69in	421×653×551mm 16.57×25.7×21.69in
	ICA SET total height when using ICA12S horizontally : 2110mm ICA SET total height when ICA12S is used vertically : 2340mm	
Optional Accessories	Wall Bracket	-



Auditorium

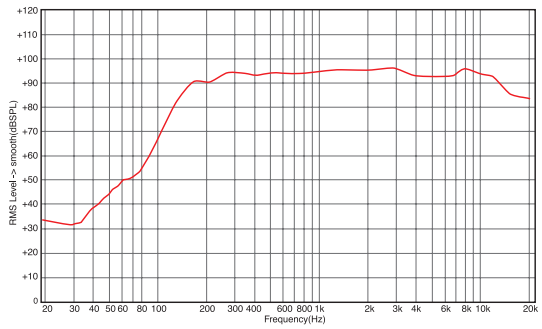


Outdoor Event



Banquet Hall

Technical Data



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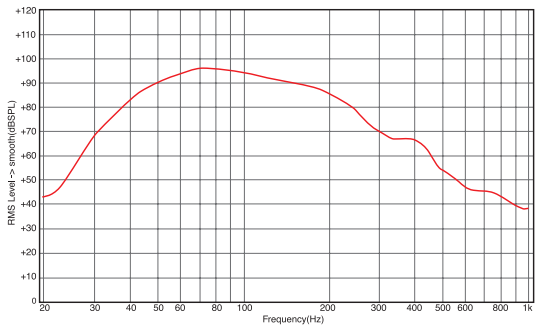
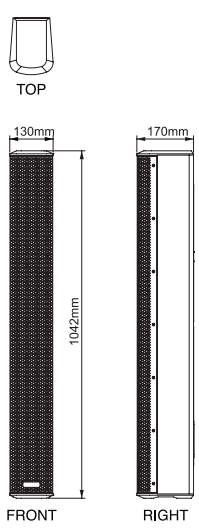


ICA12S

Dimensions



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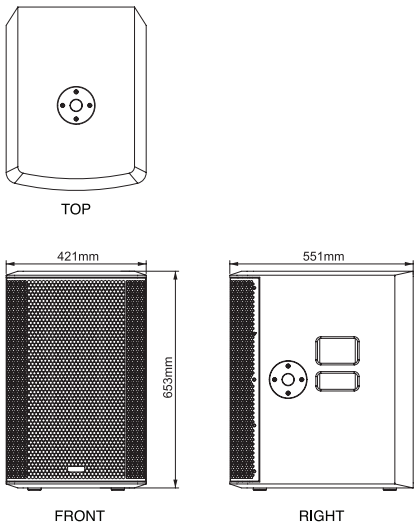

ICA12S

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※ The contents stated in this company profile may be subject to change depending on our internal circumstances.

2024. 3. V2