

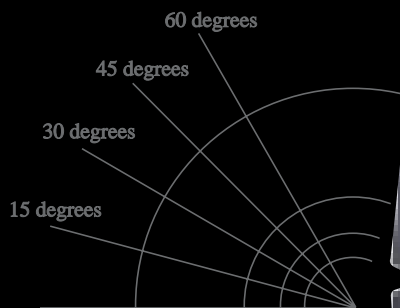


HX-5 SERIES COMPACT ARRAY SPEAKER SYSTEM



New innovations in sound reinforcement.

HX Series — Full area coverage



TOA's new HX-5 Series Speaker System fills an important need for versatile public address equipment that can provide high quality reinforcement for a wide range of venues. Available in black and white finishes to complement a venue's interior color scheme, the HX-5 Series is ideal for a wide range of medium size venues of all different shapes that often pose problems for sound reinforcement. These include auditoriums, places of worship, banquet halls, community centres as well as dance halls, sports bars, shopping malls, boardrooms, gyms, health clubs and many others.



HX-5B /HX-5B-WP

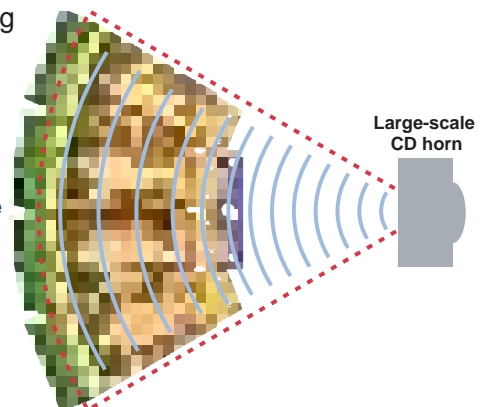
Design background

The HX-5 is an innovative modular speaker design that incorporates the best characteristics of the traditional, cumbersome woofer enclosure combined with a CD horn-loaded high frequency driver and the full-range compact speaker enclosure without the drawbacks associated with each type.

The traditional speaker system was able to provide well-controlled sound coverage but posed various difficulties for correct installation and also presented an old-fashioned appearance as well that impacts on the venue's appearance. The full-range compact speaker enclosure is easy to install, but the design's sound coverage is hard to control.

The HX-5 features remarkably easy to control coverage characteristics including problematic low frequencies and can be installed in a multitude of ways while maintaining a modern, unobtrusive appearance.

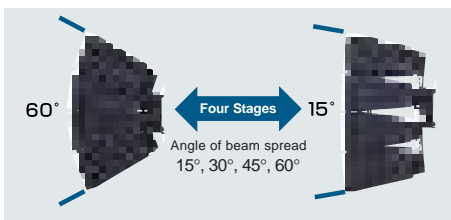
Directivity changeable speaker



and wider bandwidth sound.

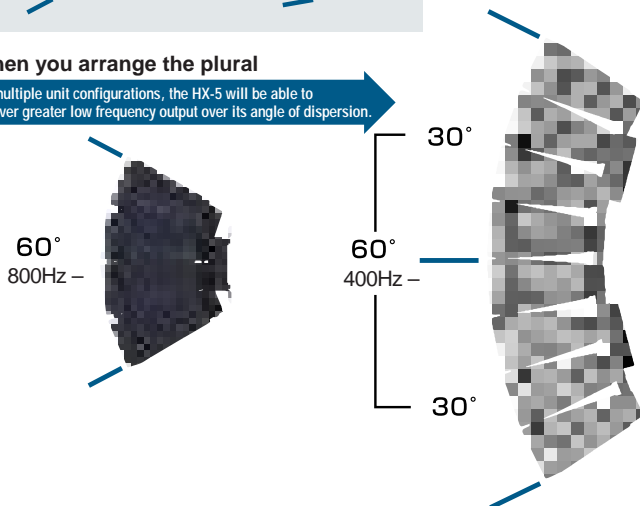
Adjustable sound dispersion

A system is configured by vertically stacking four speaker modules with a total driver complement of four woofers and 12 tweeters positioned along the baffle surface. This configuration allows the variable directivity control and low-frequency dispersion control comparable to using a large constant-directivity horn speaker. A choice of four directivity angles — 15, 30, 45 and 60 degrees can be employed as needed. For



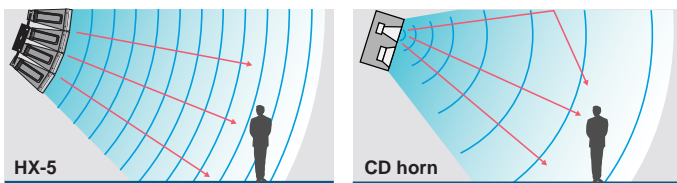
When you arrange the plural

In multiple unit configurations, the HX-5 will be able to deliver greater low frequency output over its angle of dispersion.



Minimal reflective effects

Whether mounted on the wall or ceiling, the HX-5 is remarkably free from the comb filter and interference effects often encountered with other speaker designs. It can therefore produce more low frequency output even when mounted on the wall or ceiling.



Versatile mounting options

Compared to many other speaker designs, the HX-5 Series is remarkably easy to install in several ways. It can be hung easily with chains, strong wires and cables using the accessory brackets. There are also options for hanging with a pre-install frame by itself or configured with a subwoofer. There are also other options including ceiling and wall brackets as well as an adapter for use with a dedicated stand.

instance, a specific directivity angle, or each module can have its directivity independently set for a specific coverage requirement. When two or multiple modules are connected to configure an arc, they effectively function as an immense single speaker controlling directivity for considerably lower frequencies. As a result, public address functions demonstrate optimal intelligibility even in environments with long reverb times.



HX-5W-WP/HX-5W

Transformer option

The HX-5 Series can also be used with a MT-200 matching transformer.



SPECIFICATIONS

	HX-5B	HX-5W	HX-5B-WP	HX-5W-WP
Enclosure	Bass-reflex type		Sealed type	
Power Handling Capacity	Continuous pink noise: 200W, Continuous program: 600W			
Rated Impedance	8Ω			
Sensitivity (1W, 1m)	96dB (60° mode), 97dB (45° mode), 98dB (30° mode), 99dB (15° mode)*			
Frequency Response	70 – 20,000Hz (–10dB) (60° mode), 75 – 20,000Hz (–10dB) (45° mode), 80 – 20,000Hz (–10dB) (30° mode), 85 – 20,000Hz (–10dB) (15° mode)		95 – 20,000Hz (–10dB) (60° mode), 100 – 20,000Hz (–10dB) (45° mode), 105 – 20,000Hz (–10dB) (30° mode), 110 – 20,000Hz (–10dB) (15° mode)	
Crossover Frequency	4kHz			
Directivity Angle	Horizontal: 100° (over 2000Hz) Vertical: 60° (over 800Hz), 45° (over 1.2kHz), 30° (over 1.6kHz), 15° (over 3.2kHz) variable			
Speaker Component	Low frequency: 12cm cone-type × 4 High frequency: Balanced dome-type × 12			
Input Terminal	Speakon NL4MP × 2 and M4 screw terminal		—	
Speaker Cord	—		2-core cabtyre cord with diameter of 6mm	
Water Protection	—		IPX4 (Install with the every speaker module downward)	
Operating Temperature	—		–15°C to +50°C	
Finish	Enclosure: Polypropylene, black	Enclosure: Polypropylene, white	Enclosure: Polypropylene, black	Enclosure: Polypropylene, white
Dimensions	408 (W) × 546 (H) × 342 (D)mm			
Weight	16kg			
Accessory	Hanging bracket × 2, Hex. wrench × 1			
Option	Matching transformer: MT-200 Speaker mounting bracket: HY-PF1B, HY-CW1B, HY-WM1B, HY-WM2B, HY-CN1B Speaker stand adapter: HY-ST1	Matching transformer: MT-200 Speaker mounting bracket: HY-PF1W, HY-CW1W, HY-WM1W, HY-WM2W, HY-CN1W Speaker stand adapter: HY-ST1	Matching transformer: MT-200 Speaker mounting bracket: HY-PF1WP, HY-CW1B-WP, HY-WM1WP, HY-WM2WP, HY-CN1W-WP	Matching transformer: MT-200 Speaker mounting bracket: HY-PF1WP, HY-CW1W-WP, HY-WM1WP, HY-WM2WP, HY-CN1W-WP

* (Factory-preset: 60° mode)

	FB-120B	FB-120W
Power Handling Capacity	Continuous pink noise: 200W, Continuous program: 600W	
Impedance	8Ω	
Sensitivity	90dB (1W, 1m) at installation in free sound field 96dB (1W, 1m) at installation in 1/2 free sound field	
Frequency Response	40 – 1,200Hz (–10dB)	
Speaker Component	30cm cone-type	
Input Terminal	Speakon NL4MP × 2 and M4 screw terminal, distance between barriers:11mm	
Finish	Enclosure: Plywood Punched net: Steel plate, black, paint	Enclosure: Plywood Punched net: Steel plate, white, paint
Dimensions	408 (W) × 408 (H) × 450 (D)mm	
Weight	15kg	
Option	Speaker rigging frame: HY-PF1B	Speaker rigging frame: HY-PF1W

Optional Accessories

HY-PF1B
Rigging Frame
for indoor use

HY-CW1B
Ceiling Mounting Bracket
for indoor use

HY-WM1B
Mounting Bracket
for indoor use

HY-WM2B
Mounting Bracket
for indoor use

**HY-CN1B/
HY-CN1W**
Extension Bracket
for indoor use

HY-ST1
Speaker
Stand
Adapter

HY-PF1W
Rigging Frame
for indoor use

HY-CW1W
Ceiling Mounting Bracket
for indoor use

HY-WM1W
Mounting Bracket
for indoor use

HY-WM2W
Mounting Bracket
for indoor use

HY-PF1WP
Rigging Frame
for outdoor use

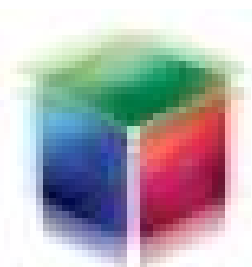
HY-CW1WP
Ceiling Mounting Bracket
for outdoor use

HY-WM1WP
Mounting Bracket
for outdoor use

HY-WM2WP
Mounting Bracket
for outdoor use

**HY-CN1B-WP/
HY-CN1W-WP**
Extension Bracket
for outdoor use

MT-200
Matching
Transformer



Human society with
Sound & Communication

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www.toa.jp

Specifications are subject to change without notice.
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