



# HS SERIES COAXIAL ARRAY SPEAKERS



***TOA presents yet another innovation in sound:  
The Coaxial Tweeter Array with  
large-diameter woofer.***

Sound that brings forth an emotional response.

# Cost-effective mid-size speaker system that high quality sound no matter what the applic



One of the most difficult speaker requirements to satisfy is a cost-effective mid-size speaker system that offers high quality sound no matter what the application. TOA HS Series speakers are equipped with narrow-directivity control (90° horizontal × 40° vertical). This useful feature allows tailoring the speaker's dispersion characteristics to better suit the acoustic environment in which it is installed.

The versatile HS-1200/1500 Series are compatible for use with 100V/70V lines for distributed applications. The HS Series speakers are exceptional in offering useful features at an attractive price.

## Large diameter woofer (12"/15") in a compact, lightweight enclosure

With its compact dimensions and light weight, the HS Series proves ideal for use in mid to small-size venues, including restaurants and pubs, conference rooms and lecture halls, schools and similar locations, as well as for temporary installations.

## Uniform high quality sound

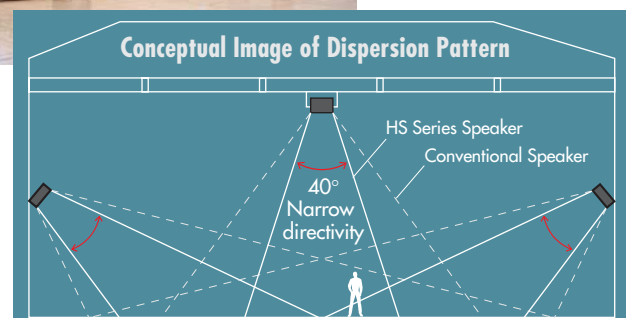
is made possible by mounting the high frequency driver array in a coaxial configuration with the woofer.

- Extended bass frequencies for rich music reproduction
- Optimal sound delivery with well integrated low and high frequencies



## Optimal choice for acoustical problems caused by high ceilings

that tend to reduce the clarity of sound reproduction, such as in sports facilities, multi-purpose halls and houses of worship.



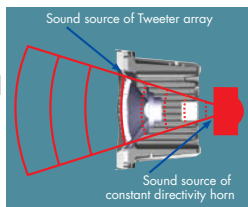
In locations with high ceilings, wide-directivity speakers cause the audio reaching the listeners to lose clarity due to overlapping of attenuated sounds.

# offers ation.



## Coaxial Tweeter Array delivers accurate directivity control

HS Series speakers are equipped with narrow-directivity control (90° horizontal x 40° vertical). Well-balanced sound is delivered without treble attenuation to where the speaker is aimed, filling the acoustic space with clear sound.



## Versatile installation

Unobtrusive design makes an ideal choice for permanent installations.



Optional dedicated mounting brackets facilitates speaker installs on walls and ceilings.

## Accessory handle for easy transportability



## Secure floor setting



Accessory rubber feet for straight positioning.



Wedge-shape enclosure enables use as a floor monitor.

## Lineup:

12"/15" woofer, black and white finishes, low-impedance and high/low-impedance models are available.



## Twin input terminal sets

The speakon terminal is ideal for quick temporary installation and for testing purposes. The screw terminals are recommended for long-term installation.





# SPECIFICATIONS

Model No.	HS-120B	HS-120W	HS-1200BT	HS-1200WT
<b>Enclosure</b>			Sealed type	
<b>Rated Power</b>		Continuous pink noise: 100W, Continuous program: 300W		
<b>Rated Impedance</b>	8Ω		8Ω 100V line: 170Ω (60W), 330Ω (30W), 670Ω (15W) 70V line: 83Ω (60W), 170Ω (30W), 330Ω (15W), 670Ω (7.5W)	
<b>Sensitivity</b>		97dB (1W, 1m)		
<b>Frequency Response</b>	80 – 20,000Hz		70 – 20,000Hz	
<b>Crossover Frequency</b>		3kHz		
<b>Directivity Angle</b>		Horizontal: 90°, Vertical: 40°		
<b>Speaker Component</b>		Low frequency: 30cm (12") cone-type, High frequency: Balanced dome tweeter x 6		
<b>Input Terminal</b>		NEUTRIK NL4MP Speakon and M4 screw terminal, distance between barriers: 9mm		
<b>Operating Temperature</b>		-10°C to +50°C		
<b>Finish</b>	Enclosure: Polypropylene, black Punched net: Surface-treated steel plate, black	Enclosure: Polypropylene, white Punched net: Surface-treated steel plate, white	Enclosure: Polypropylene, black Punched net: Surface-treated steel plate, black	Enclosure: Polypropylene, white Punched net: Surface-treated steel plate, white
<b>Dimensions</b>		361 (W) x 448 (H) x 320 (D)mm		
<b>Weight</b>	8.5 kg		10 kg	
<b>Accessories</b>	Handle x 1	Handle fitting bracket x 2, Handle mounting screw x 2, Rubber foot x 2, Rubber foot mounting screw x 2		
<b>Options</b>	Mounting bracket: HY-1200VB (for vertical speaker mounting) HY-1200HB (for horizontal speaker mounting) Ceiling mount bracket: HY-C0801 Wall mount bracket: HY-W0801 Speaker stand: ST-33B	HY-1200WW (for vertical speaker mounting) HY-1200HW (for horizontal speaker mounting) HY-C0801W HY-W0801W ST-33B	HY-1200VB (for vertical speaker mounting) HY-1200HB (for horizontal speaker mounting) HY-C0801 HY-W0801 ST-33B	HY-1200WW (for vertical speaker mounting) HY-1200HW (for horizontal speaker mounting) HY-C0801W HY-W0801W ST-33B

Model No.	HS-150B	HS-150W	HS-1500BT	HS-1500WT
<b>Enclosure</b>			Sealed type	
<b>Rated Power</b>		Continuous pink noise: 100W, Continuous program: 300W		
<b>Rated Impedance</b>	8Ω		8Ω 100V line: 170Ω (60W), 330Ω (30W), 670Ω (15W) 70V line: 83Ω (60W), 170Ω (30W), 330Ω (15W), 670Ω (7.5W)	
<b>Sensitivity</b>		98dB (1W, 1m)		
<b>Frequency Response</b>	70 – 20,000Hz		60 – 20,000Hz	
<b>Crossover Frequency</b>		3kHz		
<b>Directivity Angle</b>		Horizontal: 90°, Vertical: 40°		
<b>Speaker Component</b>		Low frequency: 38cm (15") cone-type, High frequency: Balanced dome tweeter x 6		
<b>Input Terminal</b>		NEUTRIK NL4MP Speakon and M4 screw terminal, distance between barriers: 9mm		
<b>Operating Temperature</b>		-10°C to +50°C		
<b>Finish</b>	Enclosure: Polypropylene, black Punched net: Surface-treated steel plate, black	Enclosure: Polypropylene, white Punched net: Surface-treated steel plate, white	Enclosure: Polypropylene, black Punched net: Surface-treated steel plate, black	Enclosure: Polypropylene, white Punched net: Surface-treated steel plate, white
<b>Dimensions</b>		451 (W) x 560 (H) x 400 (D)mm		
<b>Weight</b>	12 kg		14 kg	
<b>Accessories</b>	Handle x 1	Handle fitting bracket x 2, Handle mounting screw x 2, Rubber foot x 2, Rubber foot mounting screw x 2		
<b>Options</b>	Mounting bracket: HY-1500VB (for vertical speaker mounting) HY-1500HB (for horizontal speaker mounting) Ceiling mount bracket: HY-C0801 Wall mount bracket: HY-W0801 Speaker stand: ST-33B	HY-1500WW (for vertical speaker mounting) HY-1500HW (for horizontal speaker mounting) HY-C0801W HY-W0801W ST-33B	HY-1500VB (for vertical speaker mounting) HY-1500HB (for horizontal speaker mounting) HY-C0801 HY-W0801 ST-33B	HY-1500WW (for vertical speaker mounting) HY-1500HW (for horizontal speaker mounting) HY-C0801W HY-W0801W ST-33B

## Optional Brackets

### For wall/ceiling mount



### For ceiling mount



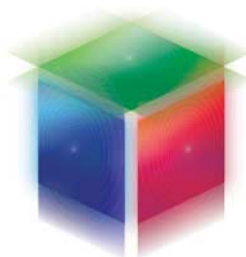
### For wall mount



### Speaker Stand



\*To be used in conjunction with HY-1200/1500 Series brackets.



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