

AVOLUTION™

DIGITAL: POWERED BY HUMANS

TSL SERIES



TSL Series Column Speaker



The TSL column speaker series is the pride of TKSOUND. We have been trying to develop sound columns that can create balanced, dense, and intact sounds while keeping the volume of speakers small. After 3 years of effort, we made it, and that is the TSL series. Every component of the speaker unit is designed by TKSOUND, and after hundreds of testing, we have come out with a 4.5" unit can hold up to 50W of power. More than that, the frequency response of the unit is super wide (up to 100Hz-19kHz) and perfectly smooth. We put this unit inside our unique aluminum die-casted case, and the sound is simply gorgeous. All the units inside are perfectly in phase, making sure the sound field is perfectly in order. The series are suitable for all kinds of venues ranging from small musician studios to large outdoor performances. If large SPL is required, our customer can put multiple speakers side by side, and the sounds will overlay with each other.



Shape: The column shape of the cabinet maximizes the space efficiency. Also, the shape makes all the units overlay with each other properly. The front cover has been specially processed to eliminate noise and harsh sounds.

Speaker unit: Ranging from 1-9 speaker units.

TKSOUND's independently developed 4.5" unit can hold up to 50W of power. Due to the precisely calculated parabolic paper cone, the frequency response is able to reach 100Hz-19kHz while maintaining an ideal balance between low, mid, and high.

Cabinet: The aluminum die-casted cabinet makes perfect consistency between units. The position of the air inlet whole has been precisely calculated. The surface has been through anodic oxidation treatment so that the cabinet is durable and stainless.



Cross-over: No electrical cross-over inside TSL speakers. All units are in phase.

Assembly: The base can be used for assembling on column stands. Specially designed H-shape fixator makes assembly much more flexible.

Application: Used in all kinds of venues including music studios, conference halls, train stations, indoor and outdoor performances, and etc.



Series Professional Speaker

Professional
Audio
Speaker

TSL Series Column Speaker

TSL-4501 TSL-4502 TSL-4504 TSL-4509
TSL-4504H TSL-4509H
TSL-0202 TSL-0204 TSL-0209 TSL-0212

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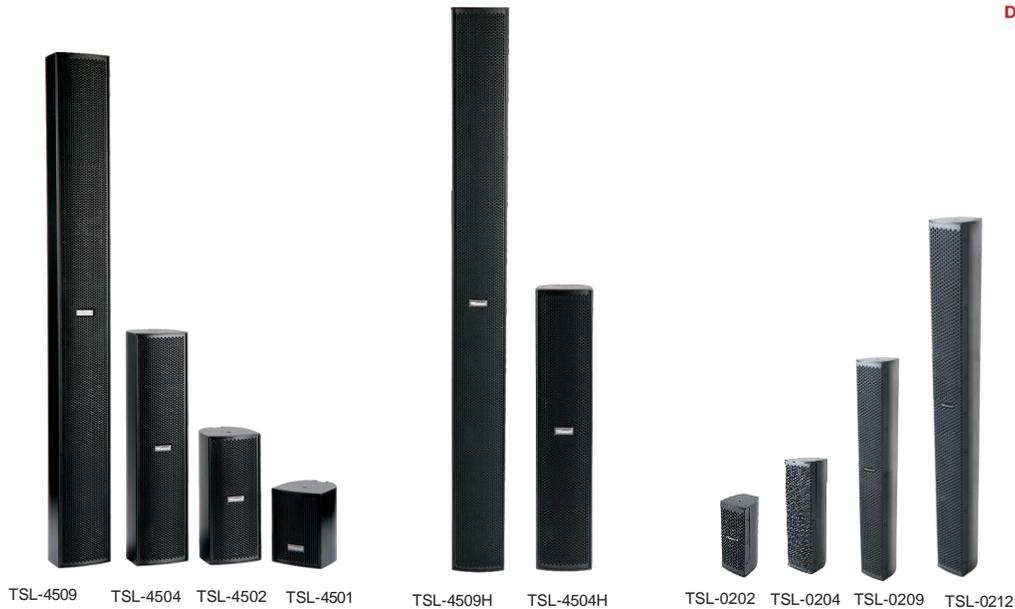
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Technical parameters:

	TSL-4501	TSL-4502	TSL-4504	TSL-4509	TSL-4504H
System	Full range	Full range	Full range	Full range	2-way Full range
Magnet LF/MF/HF	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite/ Neodymium
Frequency response(±3dB)	100Hz-19KHz	100Hz-19KHz	90Hz-19KHz	90Hz-19KHz	90Hz-20KHz
LF/MF/HF Drive	LF 4.5" x 1	LF 4.5" x 2	LF4.5" x4	LF4.5" x 9	LF4.5" x 4 / HF 1 "
Nominal Impedance	8ohms	8ohms	8ohms	8ohms	8ohms
System Sensitivity(1w@1m)	90dB	93dB	96dB	100dB	98dB
Maximum SPL	104dB	113dB	120dB	124dB	122dB
Power Handling	50W	100W	200W	450W	225W
Instantaneous Power	100W	200W	400W	900W	500W
Nominal Coverage Angle(HxV)	160° x 10°				
Enclosure Material	Aluminum Die-Casting				
Net Weight	2.5KG	4.2KG	7.2KG	15.2KG	8KG
Housing Size(WxDxH)	125x140x170mm	125x140x290mm	125x140x520mm	125x140x1130mm	125x140x640mm
Shipping Size)	180x195x220mm	180x195x340mm	185x215x590mm	185x215x1205mm	185x215x710mm

Technical parameters:

MODEL	TSL-4509H	TSL-0202	TSL-0204	TSL-0209	TSL-0212
System	2-way Full range	Full range	Full range	Full range	Full range
Magnet LF/HF	Ferrite/ Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Frequency response(±3dB)	90Hz-20KHz	110Hz-20KHz	110Hz-20KHz	110Hz-20KHz	110Hz-20KHz
LF/MF/HF Drive	LF4.5" X 9 / HF 1 "X2	LF 2" x 2	LF 2" x 4	LF 2" x9	LF2" x 12
Nominal Impedance	8ohms	8ohms	4ohms	4ohms	8ohms
System Sensitivity(1w@1m)	102dB	97dB	99dB	102dB	103dB
Maximum SPL	127dB	113dB	120dB	124dB	126dB
Power Handling	500W	60W	120W	280W	360W
Instantaneous Power	1000W	120W	240W	560W	720W
Nominal Coverage Angle(HxV)	160° x 10°	160° x 10°	160° x 10°	160° x 10°	160° x 10°
Enclosure Material	Aluminum Die-Casting	Aluminum Die-Casting	Aluminum Die-Casting	Aluminum Die-Casting	Aluminum Die-Casting
Net Weight	17KGS	0.52KGS	0.96KGS	2.16KGS	2.9KGS
Housing Size(WxDxH)	125x140x1350mm	70x85x122mm	70x85x236mm	70x85x520mm	70x85x710mm
Shipping Size)	185x215x1420mm	130x145x192mm	130x145x306mm	130x145x590mm	130x145x780mm

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