

# WL6

WL SERIES

The WL6 Line Source element has an operating frequency bandwidth from 80 Hz to 18 kHz and this response can be lowered down to 35 Hz with the addition of the WL15SW low frequency extension cabinet.

The WL6 system is a 2-way, bi-amplified design and is equipped with 2 x 6.5" speakers in a bass-reflex tuned enclosure. The HF section features a 1.5" diaphragm driver coupled to a HRT waveguide. The V-shaped coplanar transducer configuration generates a symmetric horizontal coverage of 120 deg without secondary lobes over the entire frequency range.

The combination of coplanar symmetry and HRT waveguide in the HF region allows the system to fulfil the WSBT criteria, thereby allowing the wave front of a WL6 line source to be curved up to a maximum of 10 deg for each element without breaking the inter-element acoustic coupling.

The WL6 enclosure heart is made of first grade Baltic birch plywood with top and bottom aluminum plates to ensure maximum acoustical and mechanical integrity. The 4-point rigging system allows flying up to 24 WL6.



## Loudspeaker

Design	2-Way System
Freq. Response -10 dB	80Hz - 18 kHz
Freq. Response ±3 dB	85 Hz - 17.5k Hz
Coverage angles (nominal)	120° x 10° HT (hor. x vert.)
Directivity index (DI)	12 (+2/-3) 600Hz-16kHz
SPL 4V / 1 m	95 dB
Max. SPL	123dB (SPL peak / 1 m)
Components	2x6.5" low-mid chassis 1" high frequency driver with 44 mm Titanium diaphragm on a horn
Crossover	1.6 kHz 18 dB / octave, automatic resettable driver protection, passive allpass filter to optimize phase response and time alignment
Impedance	16 Ω / 16 Ω (L/HF)
Bi-Amp	150 W (LF) 45 W (HF)
Frequency Range	80-8 KHz (LF) 800-18 KHz (HF)
Sensitivity (1w1m)	95 dB (LF) 110 dB (HF)
Connectors	2x Neutrik NI4 ±2HF / ±1LF

## Enclosure

	Trapezoidal enclosure with extra cluster angles out of 15 mm multiplex with highly resistant structured paint in black, 12 ergonomic butterfly handles, ball proof steel grille with exchangeable, acoustic foam
Flyware	4 flying points
Dimensions(WxDxH)	678 x 429 x 240 mm
Weight(kg)	N.W:22.3 G.W:25.6

