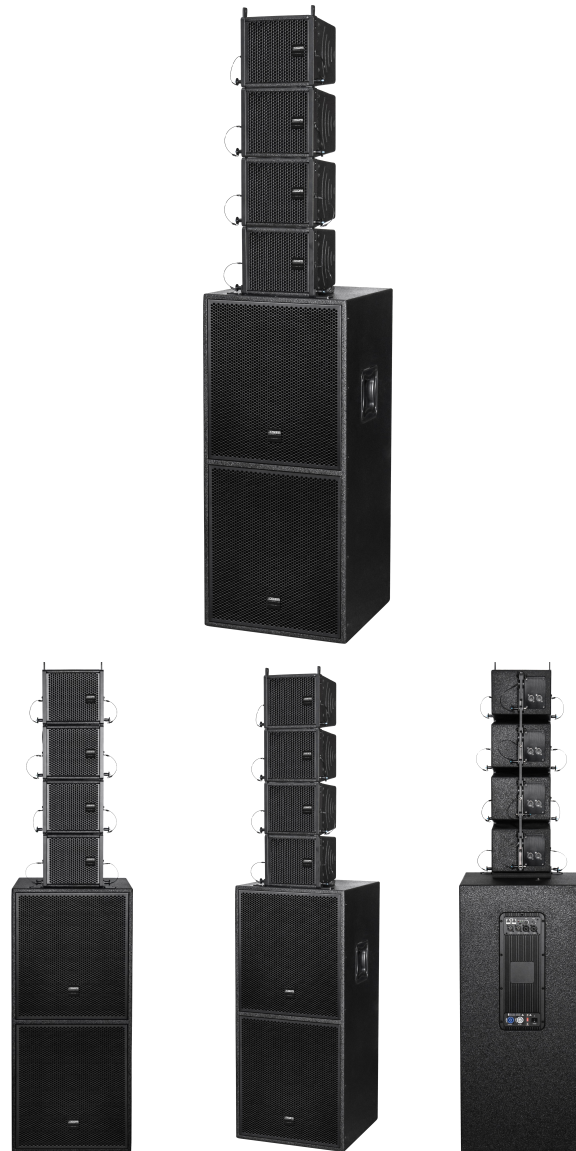


## DSP1580

### Professional Active Line Array Speaker System



#### Description

The Professional Active Line Array Speaker System delivers outstanding sound performance with unique advantages in acoustic structure and phase characteristics. Its “point source” design with integrated crossover enables natural and refined sound reproduction. The high-frequency driver is nested at the axis of the low-frequency driver, allowing sound waves to radiate from the same physical point and avoiding phase distortion caused by positional differences in traditional speakers. Even at a 20° off-axis position, frequency response deviation remains within  $\pm 1.5$  dB, ensuring precise instrument localization, a clearly defined spatial sound field, and no “image shift.”

Equipped with a coaxial driver combined with a linear horn, the product achieves high acoustic efficiency and precise directivity control. The high-frequency driver, paired with the linear horn, compresses the diffusion angle of high-frequency sound waves to 60°–90°, focusing sound energy directly forward and reducing scattering loss in the space.

## Features

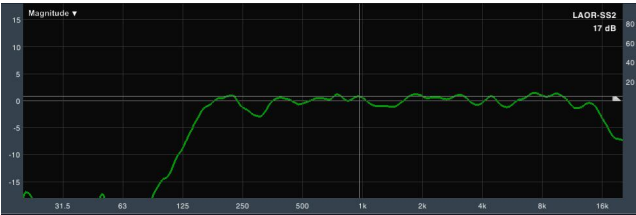
- Compact coaxial design for precise point-source sound reproduction.
- Built-in 2kHz crossover ensures smooth frequency transition between HF and MF drivers.
- High acoustic efficiency with 140°×30° dispersion for optimal coverage.
- Featuring 1×1.5" HF driver, 1×6.5" MF driver, and 2×15" subwoofers, the whole system delivers clear, balanced sound with powerful low-frequency extension.
- The whole system delivers a maximum sound pressure level of 132dB with a sensitivity of 98dB, ensuring powerful and dynamic sound performance.

## Specifications

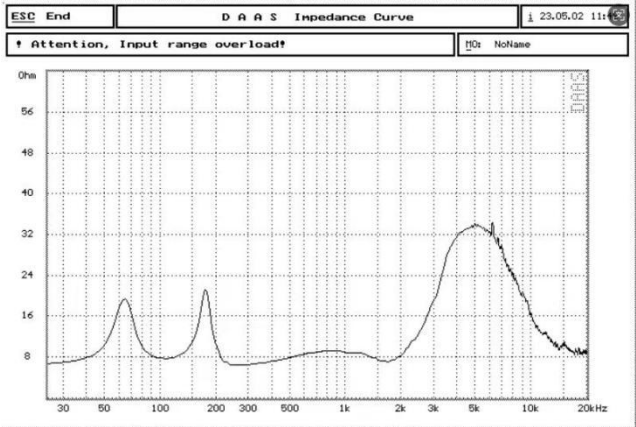
Model	DSP1580
<b>Whole System</b>	
MAX. SPL.	132dB
Sensitivity	98dB
<b>Full-Range Speaker</b>	
Frequency Response	75Hz-20KHz (±3dB)
Sensitivity	95dB/W (1m)
MAX. SPL.	120dB MAX.
Nominal Impedance	8Ω
Nominal Power	200W
Peak Power	800W Peak
Dispersion (H×V)	140°×30°
Crossover Point	Built-in crossover 2KHz
System Type	Passive 2-way coaxial line array
HF drivers	1×1.5" HF driver (38-turn voice coil tweeter)
MF drivers	1×6.5" MF driver (38mm voice coil)
Paint	Scratch-resistant black speckled paint
Dimensions (H×W×D)	230×270×230 (mm)
Net Weight	5.5kg
<b>Dual 15-Inch Subwoofer</b>	
Frequency Response	30Hz-200Hz (±3dB)
Sensitivity	95dB/W (1m)
MAX. SPL.	125dB MAX.
Nominal Impedance	8Ω
Nominal Power	1200W
Peak Power	4800W
Amplifier Power	1200W+800W+800W (3 channels)
LF Drivers	2×15" LF drivers (75-turn voice coil subwoofer)
Dimensions (H×W×D)	100×44.5×45.5 (mm)
Net Weight	44kg

Technical Parameters

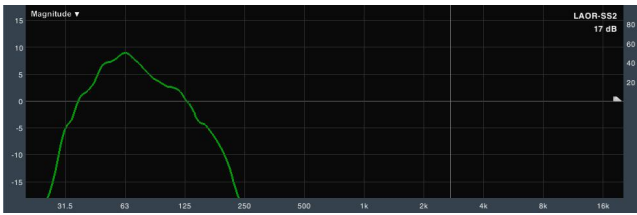
Frequency Response  
(Full-Range Speaker)



Impedance  
(Full-Range Speaker)



Frequency Response  
(Subwoofer)



Impedance  
(Subwoofer)

