

K-LA212-DSP

K-LA212-DSP is an active DSP-controlled line array speaker. It can be compared to three-way systems for the sound performance, and with more compact size and lighter weight, K-LA212-DSP has more advantages for easier handling and transportation.

The K-LA212-DSP incorporates a novel phase corrector, which shifts the center of the speakers closer to the center of the box. This same corrector optimizes the working frequency of the speaker and the waveguides system of the horn, getting a sum of +6dB on the entire response band of the subwoofer. Create a two-way coaxial system capable of achieving a consistent response across the horizontal plane coverage. It is with high-performance, small size and light weight, which is suitable for both touring performance and fixed installations.

The HF drivers are two customized drivers with composite membrane (3" voice coil), and the LF drivers are two customized 12" drivers (3" voice coil).

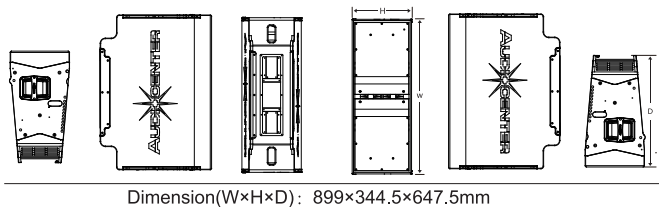
K-LA212-DSP system can be used as main PA sound reinforcement with 6 cabinets at least and 16 cabinets maximum per array.

K-LA212-DSP can be suspended vertically. The integrated hardware built-in to the cabinet with 12.0mm high intensity pins make installation easy and convenient. The system can be combined in modularization according to the coverage angle of place, which can meet the requirements of different applications. The installation of the system is very flexible and convenient. For those places where the system can not be flown, there are customized frames suitable for both flying and ground stacking (maximum 4 cabinets).



SPECIFICATION

Type	Active DSP-controlled full range loudspeaker
Application	6 cabinets minimum, 16 cabinets maximum per array
Frequency Response (-6dB anechoic chamber)	55Hz-20kHz
Maximum Calculated SPL/1M (Continuous/Peak)	134dB/140dB
LF Driver	Customized 12" driver, 3"voice coil
HF Driver	Customized driver, 1.4"exit, 3"voice coil
Horizontal Coverage Angle (Symmetrical)	90°
Vertical Coverage Angle (Symmetrical)	Depend on the amount of the speaker and curvature of the line array
AMPLIFIER	
Amplifier Circuitry	Class D
Power (RMS standards)	1600W
Frequency Response (1W 8Ω 2ch)	20Hz-20kHz(±0.5dB)
Intermodulation Distortion	< 0.05%
Total Harmonic Distortion	< 0.05%
Protection	DC protection, short circuit protection, overheat protection, input overload protection, output overload protection, soft startup protection, overvoltage protection, undervoltage protection
Cooling System	
DSP	Cooling with fans
Processor	96KHz signal sampling frequency, 56bit precision
Presets	Fixed System Preset
Crossover	Controlled by DSP
Output/Input	
Signal Input	1× female XLR
Signal Output	1× male XLR
Power Input	Power connector
Power Output	Power connector
AC Power Operating Range	100V~130V or 220V~240V (±10%,50/60Hz)
Cabinet	
Angle Adjustment	0°, 1°, 2°, 3°, 4°, 5°, 6°,7°, 8°, 9°,10°
Cabinet Material	Russian birch plywood CNC made
Cabinet Color	Black is standard and default color. Consult with Audiocenter sales team for other customized colors
Dimension (W×H×D)	899×344.5×647.5mm
Net Weight	59.0Kg



FEATURES

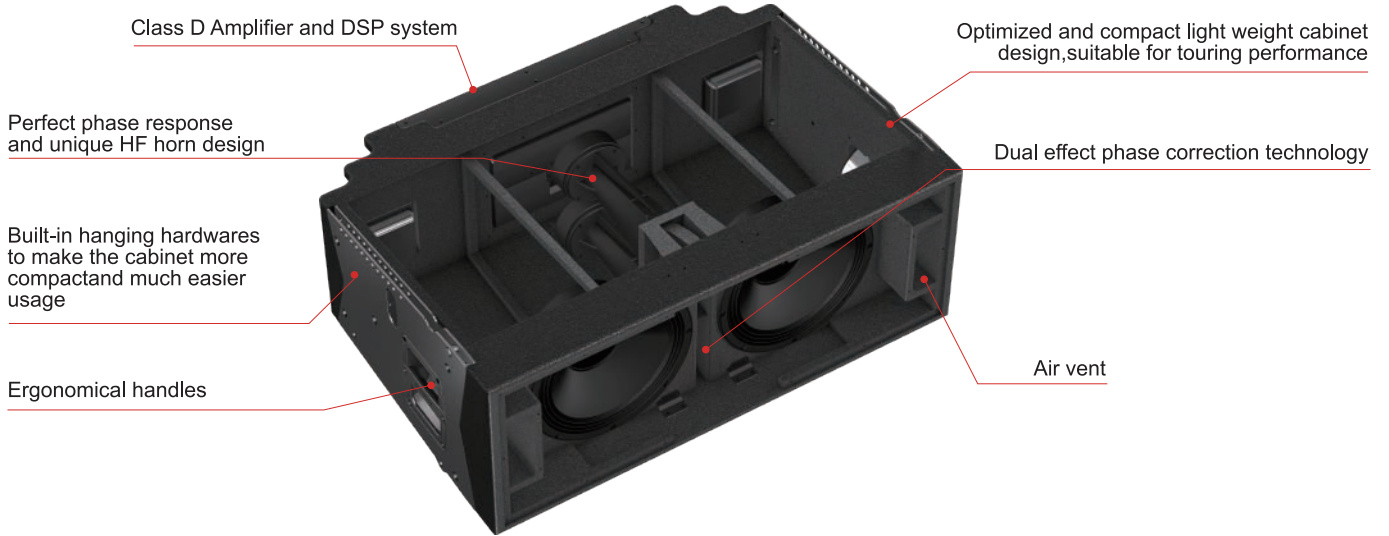
- Customized driver
- PTV HF horn ensures even coverage and optimized for smooth frequency response
- Dual phase plug design for an extremely precise dispersion
- Hi end digital controller on board (DSP) with 96KHz signal sampling frequency, 56bit precision
- Standby mode automatically if without signal input for 15mins
- Class D amplifier
- Advanced cooling system in the driver
- Optimized and compact elegant premium design cabinet
- Rock solid humidity free birch plywood CNC made cabinet
- Comprehensive accessories suitable for different applications



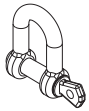
SYSTEM CONFIGURATION

K-LA-DSP, K-LA Series subwoofer

K-LA212-DSP PROFILE



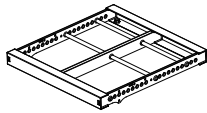
ACCESSORIES



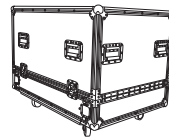
M20 D shackle
Bearing 3T



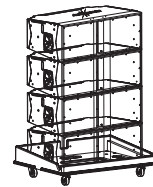
2M / 3M flying belt
Made of synthetic fibre, bearing 2T/4T



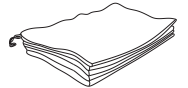
Frame for flying and ground stacking



Flightcase
For 2 cabinets, with 100mm wheels



Dolly (customized)
For 4 cabinets



Rain bag
(customized)

INSTALLATIONS

