

### K-LA212-DSP

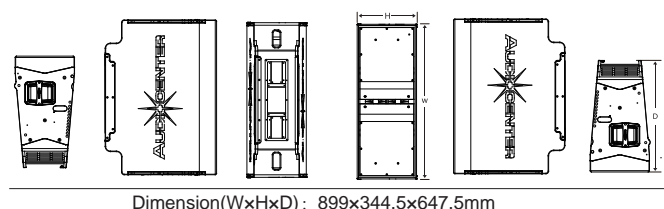
K-LA212-DSP is an active DSP-controlled line array loudspeaker. It can be compared to three-way systems for the sound performance, and with more compact size and lighter weight, K-LA212-DSP has more advantages for easier handling and transportation.

The K-LA212-DSP incorporates a novel phase corrector, which shifts the center of the loudspeakers closer to the center of the box. This same corrector optimizes the working frequency of the loudspeaker 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).



Dimension(WxHxD) : 899x344.5x647.5mm

#### 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
- Sleep 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

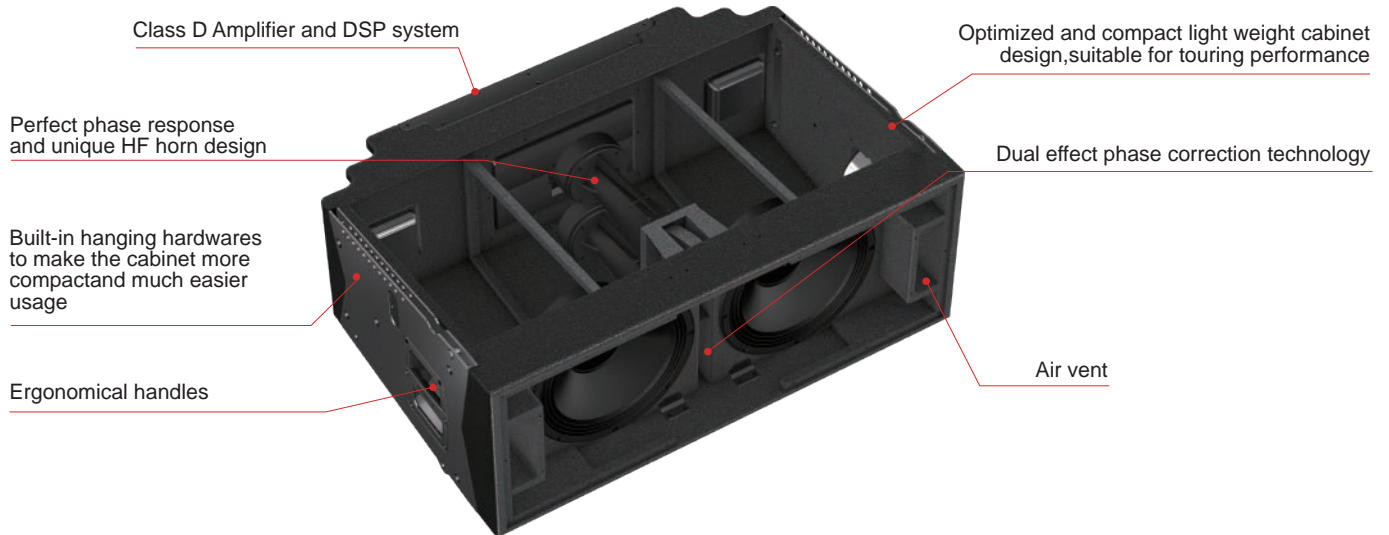
K-LA-DSP, K-LA Series subwoofer



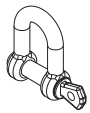
#### SPECIFICATION

Type	Active DSP-controlled line array loudspeaker
Frequency Response(-10dB)	55Hz-20kHz
Horizontal Coverage	90°
Vertical Coverage	Splay angle dependent
Maximum Calculated SPL/1M(Continuous/Peak)	129dB/135dB
HF Driver	Customized Neodymium driver, 3.0" voice coil, 1.4" exit
LF Driver	Customized 2x12" driver, 3.0" voice coil
DSP	
Processor	96kHz signal sampling frequency
AMPLIFIER	
Amplifier Circuitry	Class D
Power(RMS standards)	1600W
Peak Power	3200W
Frequency Response (1W 8Ω 2ch)	20Hz-20kHz(±0.5dB)
Intermodulation Distortion	< 0.05%
Total Harmonic Distortion	< 0.05%
Cooling	Cooling with fans
Protection	DC protection, short circuit protection, overheat protection, input overload protection, output overload protection, soft startup protection, overvoltage protection, undervoltage protection
Signal Input	Female XLR
Signal Output	Male XLR
Power Input	Power connector
Power Output	Power connector
AC Power Operating Range	100V-130V~ or 220V-240V~(±10%, 50/60Hz)
Power consumption (1/8 output power)	176W
CABINET	
Cabinet Material	Multilayer baltic birch plywood CNC made
Angle Adjustment	0°, 1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°, 9°, 10°
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	2 side, 2 back
Speaker Dimension(WxHxD)	899x344.5x647.5mm
Carton Dimensions (WxHxD)	1000x745x434mm
Net Weight	59.0kg
Shipping Weight	63.0kg

## K-LA212-DSP PROFILE



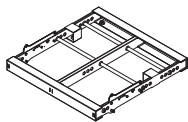
## ACCESSORIES



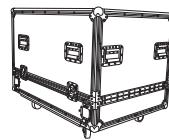
**M20 D shackle**  
Bearing 3T



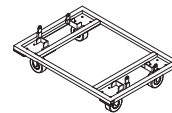
**2M / 3M flying belt**  
Made of synthetic fibre, bearing 2T/4T



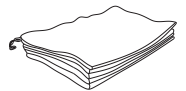
**Frame for flying and ground stacking**



**Flightcase**  
For 2 cabinets, with 100mm wheels



**Dolly (customized)**  
For 4 cabinets



**Rain bag**  
(customized)

## INSTALLATIONS

