

K-LA28-DSP

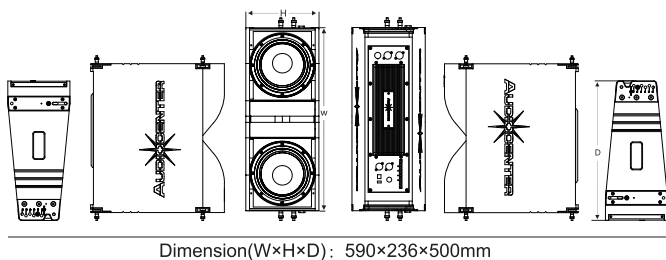
K-LA28-DSP, is an active DSP-controlled line array speaker, designed for high requirements of touring performance, rental and fixed installation.

The HF driver of K-LA28-DSP is customized Beyma driver with composite membrane (1.75"voice coil), and the LF/MF driver is customized Beyma 8" driver (2"voice coil).

User Selectable 3 presets (Linear, HFX, W/SUB) in K-LA28-DSP are available for the users to choose according to different environments and music styles.

K-LA28-DSP system can be used as main PA sound reinforcement with 2 cabinets at least and 16 cabinets maximum per array.

K-LA28-DSP can be suspended vertically. The integrated hardware with innovative fast lock mechanics built-in to the cabinet with 9.5mm 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. For those places where the system can not be flied, there are customized frames suitable for both ground stacking (maximum 4 cabinets) or stacking on the stand (maximum 2 cabinets) to meet different requirements of installation and reinforcement environment.



FEATURES

- Customized driver from Beyma
- PTV phase plug design for an extremely precise dispersion, HF horn design ensures even coverage and optimized for smooth frequency response
- 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 Series subwoofer (K-LA28-DSP can be flied with K-LA118-DSP with same hanging frame.), K-LA Series subwoofer



SPECIFICATION

Type	Active DSP-controlled full range loudspeaker
Application	2 cabinets minimum, 16 cabinets maximum per array
Frequency Response (-6dB anechoic chamber)	60Hz-20KHz
Maximum Calculated SPL/1M	128dB
LF/MF Driver	Customized Beyma driver, 2"voice coil
HF Driver	Customized Beyma driver, 1"exit, 1.75"voice coil
Horizontal Coverage Angle (Symmetrical)	100°
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	
Processor	96KHz signal sampling frequency, 56bit precision
Presets	Linear, HFX, W/SUB
Crossover	Controlled by DSP
Output/Input	
Signal Input	1×NEUTRIK® female XLR
Signal Output	1×NEUTRIK® male XLR
Power Input	Power connector
Power Output	Power connector
Working Voltage	100-130V(60Hz) / 220-240V(50/60Hz)
Cabinet	
Angle Adjustment	0°, 2°, 4°, 6°, 8°, 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)	590×236×500mm
Net Weight	25.0Kg

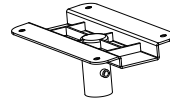
ACCESSORIES



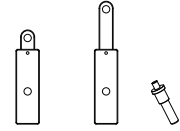
M20 D shackle
Bearing 3T



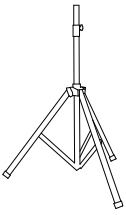
2M / 3M flying belt
Made of synthetic fibre, bearing 2T/4T



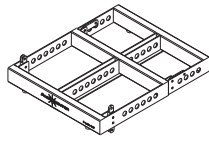
Bracket



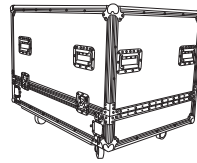
Locking accessories kit



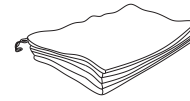
Three-feet stand
Bearing 80Kg



Frame for flying and ground stacking



Flightcase (K-LA28-DSP)
For 2/4 cabinets,
with 100mm wheels



Rain bag (customized)



Wheel

INSTALLATIONS

