

K-LA28-DSP

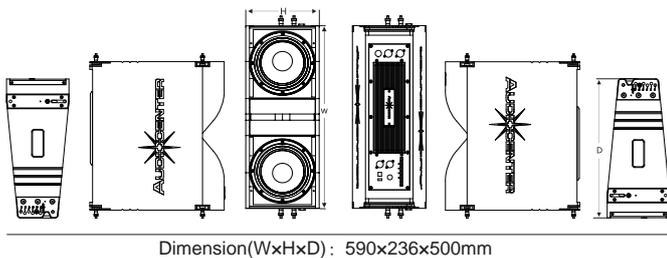
K-LA28-DSP is an active DSP-controlled line array loudspeaker, designed for high requirements of touring performance, rental and fixed installation.

The HF driver of K-LA28-DSP is customized driver with composite membrane (1.75"voice coil), and the LF driver is customized 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 6 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
- 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
- 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 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 line array loudspeaker
Frequency Response(-10dB)	60Hz-20kHz
Horizontal Coverage	100°
Vertical Coverage	Splay angle dependent
Maximum Calculated SPL/1M(Continuous/Peak)	122dB/128dB
HF Driver	Customized driver,1.75" voice coil,1.0" exit
LF Driver	Customized 2x8" driver, 2.0"voice coil
DSP	
Processor	96kHz signal sampling frequency
Presets	LINEAR,HFX,W/SUB
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)	82W
CABINET	
Cabinet Material	Multilayer baltic birch plywood CNC made
Angle Adjustment	0°,2°,4°,6°,8°,10°
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	2 side
Speaker Dimension(WxHxD)	590x236x500mm
Carton Dimensions (WxHxD)	688x600x324mm
Net Weight	25.0kg
Shipping Weight	26.0kg

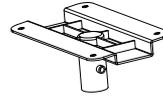
ACCESSORIES



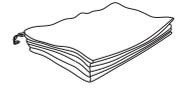
M20 D shackle
Bearing 3T



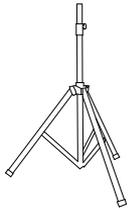
2M / 3M flying belt
Made of synthetic fibre,
bearing 2T/4T



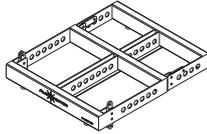
Bracket



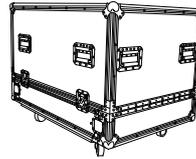
Rain bag (customized)



Three-foot stand
Bearing 80Kg



**Frame for flying and
ground stacking**



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

INSTALLATIONS

