



Dynamic Audio Solutions



BrainCore™
Technology Inside

K-LA12A & K-LA118A

Active DSP-controlled Line Array



www.audiocenter.net

K-LA12A & K-LA118A Active DSP-controlled Line Array

The latest K-LA12A active DSP-controlled line array and flyable K-LA118A active DSP-controlled subwoofer are a very compact system which is very flexible to use and with high efficiency and reliability. The system is perfectly integrated with Braincore™ technology, and fashionable design idea. It can be used in various venues and meet the mixed demands of different applications. The system is specially designed for touring performances and fixed installations like live sound, Touring systems, Clubs, Auditoriums, Theatres and House of Worship.

BrainCore™
Technology Inside



◆ Key Features

- ⊙ Supreme Sound Performance
- ⊙ Stable and Reliable
- ⊙ High Dynamic and big SPL
- ⊙ Flexible and Easy to Use
- ⊙ Innovative Cabinet Design

Key Features

BrainCore™
Technology Inside

Innovative Braincore™ technology to improve the sound performance of the whole system



Advanced Cooling System



Class D Amplifier



Customized ProDriver



Active Speaker DSP



Automatic Standby 15mins



Integrated FlyWare



Innovative ETE™ Waveguide Technology

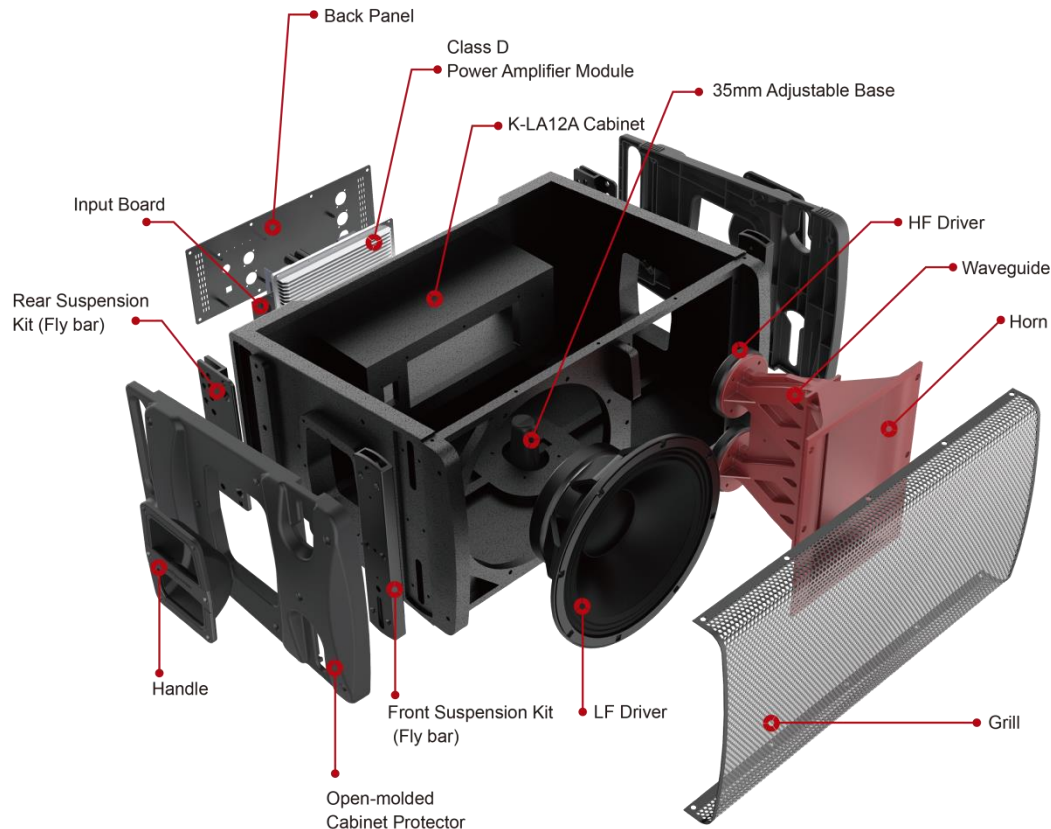


Solid Wood Construction



EASE GLL Available

Internal Structure



Innovative ETETM Waveguide Technology

The innovative ETETM waveguide technology can ensure excellent frequency response, to achieve very smooth transitions between HF and LF, which provides precise horizontal coverage and ensures clear and balanced sound for the system.

K-LA12A Active DSP-controlled Line Array



The innovative Braincore™ technology and built-in powerful DSP processor improve the performance of the speaker. With Cort™ correction technology and Limita™ processing technology, the system works with safety and reliability and achieves supreme performance. Thanks to the innovative ETE™ wave guide design and technology, the system can achieve supreme sound performance, perfect sound coverage and excellent frequency response. With molded aluminum wave guide , 100° × 15° (H x V) molded plastic horn to provide precise horizontal coverage and ensures clear and balanced sound for the system.

The cabinet is made with excellent wood, customized molded material, unique physical acoustic design, which make the outlook very fashionable, solid and also can lower the resonance.

K-LA12A speaker can fly with 10mm pin and customized flying frame. The integrated strong hardware makes the set up much easier and faster. Users can make free combinations for bigger or smaller system to meet the different application demands.

K-LA12A Active DSP-controlled Line Array



- ⊙ 1600W Peak Power
- ⊙ Maximum SPL 136dB
- ⊙ Customized driver from Beyma
- ⊙ The innovative ETE™ waveguide technology can ensure excellent frequency response, to achieve very smooth transitions between HF and LF, which provides precise horizontal coverage and ensures clear and balanced sound for the system.
- ⊙ 35mm base on the bottom, with 0° and 10° adjustable angle
- ⊙ Optimized, compact and light weight cabinet design for easy usage
- ⊙ Comprehensive accessories for different applications

K-LA118A Active DSP-controlled Subwoofer



K-LA118A Active DSP-controlled Subwoofer is a compact and flyable sub to pack with K-LA12A active line array.

K-LA118A is with Audiocenter customized 18" ferrite driver with 4" voice coil. It's also a good choice to pack with all other Audiocenter full range speakers.

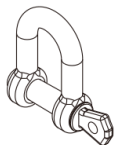
The K-LA-118A is with front loaded double opening design and dual LF output. With 6th order band pass filter function, the cabinet design of K-LA118A can decrease the interference from HF and improve LF performance.

K-LA118A Active DSP-controlled Subwoofer



- ⊙ 1600W Peak Power
- ⊙ Maximum SPL 138dB
- ⊙ Built in DSP with 96KHz signal sampling frequency, 56bit precision
- ⊙ Class D amplifier, Highly efficient cooling system for driver
- ⊙ 35mm base on the top of the cabinet with M20 thread
- ⊙ Optimized, compact and light weight cabinet design for easy usage
- ⊙ Comprehensive accessories for different applications

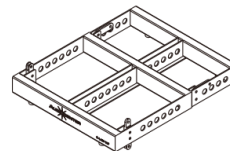
Accessories



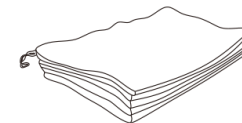
M20 D shackle
Bearing 3T



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



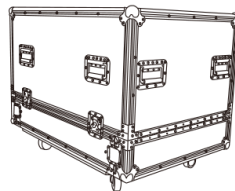
**Frame for flying and
ground stacking**



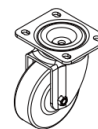
Rain bag (customized)



Coupling bar

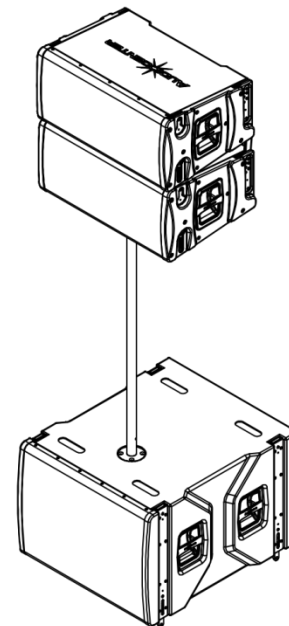
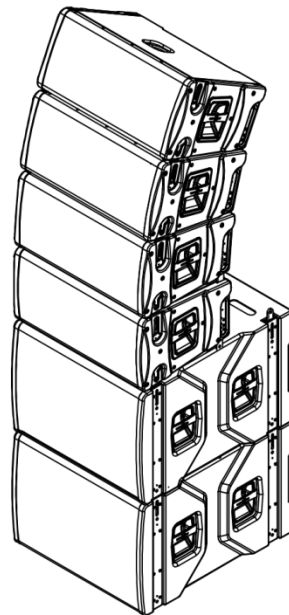
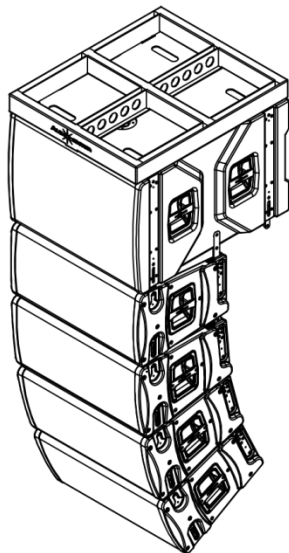
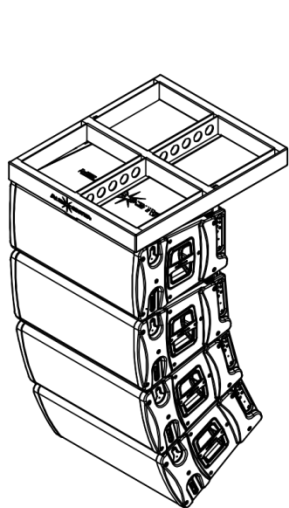


Flightcase
with 100mm wheels



Wheels

Installations



Specifications

SPECIFICATIONS		K-LA12A	K-LA118A
Frequency Response (-6dB anechoic chamber)		60Hz-20KHz	32Hz-400Hz
Horizontal Coverage Angle (Symmetrical)		100°	/
Vertical Coverage Angle (Symmetrical)		Depend on the amount of the speaker and curvature of the line array	/
Maximum Calculated SPL/1M	Continuous	130dB	132dB
	Program	133dB	135dB
	Peak	136dB	138dB
Drivers	HF	Customized Beyma ferrite driver, 3" voice coil, 1" exit	/
	LF	Customized Beyma ferrite driver, 3" voice coil	Customized Audiocenter ferrite driver, 4" voice coil
Crossover and Slope		Controlled by DSP	
Signal Input / Signal Output		Female XLR input, male XLR output	
Power Input / Power Output		Powercon connector	
Working Voltage		100-130V 60Hz / 220-240V 50Hz	

DSP		
Processor	96KHz signal sampling frequency, 56bit precision	
Presets	It has the preset for Single, 2pcs, 4pcs, 6pcs, 8pcs, and ground stack.	80Hz, 100Hz, 120Hz,

AMPLIFIER	
Amplifier	Class D
Power(RMS standards)	1600W
Frequency Response (1W 8Ω 2ch)	20Hz-20KHz(±0.5dB)
Intermodulation Distortion (20Hz-20KHz, half power)	<0.05%
Total Harmonic Distortion (20Hz-20KHz, rated power 8Ω)	<0.05%
Cooling	Cooling with fans
Protection	DC protection、Short circuit protection、Overheat protection、Output overload protection、Soft startup protection、Overvoltage protection、Undervoltage protection

CABINET		
Cabinet	CNC made of excellent wood	
Optional Accessories	Flightcase with 100mm wheels / Durable rain bag / D shackle / Fly belt/ Flying frame/Coupling bar/Wheels	
Dimensions(W×H×D)	590×236×500mm	590×639×800mm
Net Weight	30.0Kg	63.0Kg



Dynamic Audio Solutions




THANK YOU !



Together we are stronger


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