

■ **K-LA Series Specifications**

SPECIFICATIONS		K-LA28	K-LA210	K-LA118	K-LA218
Power (AES standards)	Rated	400W	500W	800W	1600W
	Program	800W	1000W	1600W	3200W
	Peak	1600W	2000W	3200W	6400W
Impedance		4Ω	8Ω		4Ω
Frequency Response (-6dB anechoic chamber)		60Hz-20KHz	57Hz-20KHz	32Hz-200Hz	32Hz-150Hz
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	122dB	127dB	131dB	134dB
	Program	125dB	132dB	134dB	137dB
	Peak	128dB	135dB	137dB	140dB
Drivers	HF	Customized driver, 1.75" voice coil, 1" exit	Customized driver, 2.84" voice coil, 1.4" exit	/	
	MF	Customized driver, 2" voice coil	Customized driver, 2.5" voice coil	/	
	LF			Customized driver, 4" voice coil	
Crossover Points		450Hz 2.2KHz passive	1.2KHz passive	Active	
Cabinet		High density Russian birch plywood CNC made			
Connectors		2 x Speaker connector			
Optional Accessories		Flightcase with 100mm wheels / Durable rain bag / D shackle /Stainless steel wire / Flying frame			
Dimensions(W×H×D)		590×236×436mm	742×302×615mm	590×639×800mm	1080×595×760mm
Net Weight		19.0Kg	33.5Kg	51.0Kg	85.0Kg
Technical Support and After-sales Service		Global application support team, EASE GLL files			

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K-LA Series Compact Line Array

K-LA Series Compact Line Array system is specifically designed for mid to mid-high market.

K-LA is mainly used in fixed installation and small sized touring performance, such as small-medium size theater, stadium, exhibition center, multi-functional hall, banquet hall, concert hall, seminar, theme party, museum, high-end entertainment venue, etc.

K-LA system applies modularized combination which is suitable for various performance venues.



Core value: Share the pleasure of sound
Idea of development: Together we are stronger



If I have been able to see further, it was only because I stood on the shoulders of giants.

— Isaac Newton

AUDIOCENTER integrates the excellent resources globally and transforms the audio technology from Europe and America into manufacturing and technology application. AUDIOCENTER stands on the shoulders of giants to provide advanced audio solutions for all customers and commits to global brand promotion.



Nanning Urban Planning Exhibition Hall

IMPORTANT FEATURES



Customized ProDriver

Latest driver technology and customized driver ensure very clear and clean sound quality and impressive sound dynamic.



Solid Wood Construction

Optimized and compact CNC made cabinet of Russian birch plywood is light-weight, very suitable for touring application.



PTV Technology

PTV technology, by a connector installed between the driver and horn, improves the mutual interference of phase and uniformity of sound field.



Integrated Flyware

Integrated installation accessories built in the cabinet make K-LA installed vertically or horizontally with ease and flexibility.



Smart Crossover Design

15 years experienced Smart crossover technology, American Benelec XPP audio capacitor, iron-core inductor, customized metal resistor and manually soldered fiber board to ensure stability and consistency and zero consumption, even with very high dynamic sound pressure.



Unique Driver Protection Circuit

When the HF driver of full range loudspeaker overloads for a long time, the unique protection circuit on the crossover board will limit the current or cut off the signal to the driver, thus to protect the driver from damage.



Wood Horn Material

The horn adopts Russian birch plywood with seamless connection to ensure low resonance and optimized smooth frequency response.



EASE GLL

We provide EASE GLL file for free.

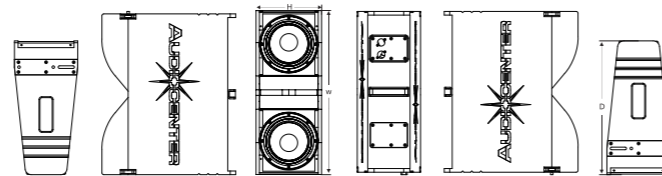
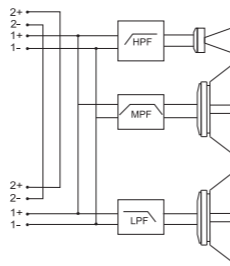
K-LA28

K-LA28, a passive crossover line array speaker, is designed to meet the high requirements of touring performance, rental and fixed installation.

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

K-LA28 system can be used as main sound reinforcement for stage with 3pcs at least or 16pcs at most per array. For system application, we suggest one amp to drive two cabinets (amp working at 2 ohm impedance). Together with Audiocenter CA450, a "plug&play" system can be built up easily to meet the demands from small to large sound system.

K-LA28 can be installed vertically. The hanging accessories are built in the cabinet. There are 8.5mm diameter highly durable pins. The system can be configured in modularization according to the venues. Same frame can be either for flying the arrays or for stacking the arrays (We suggest 4pcs maximum for stacking). For easy usage, 3pcs K-LA28 can be stacked with the customized three boxes horizontal sustain bracket.



Dimension(W×H×D):590×236×436mm

SPECIFICATION

Type	Passive crossover line array speaker
Application System	3pcs minimum, 16pcs maximum per array
Frequency Response	60Hz-20KHz
Rated Power (AES standard)	LF: 400W HF: 50W
Maximum Calculated SPL/1M(Continuous/Peak)	122dB/128dB
Horizontal Coverage Angle (Symmetrical)	100°
Vertical Coverage Angle (Symmetrical)	Depend on the amount of the speaker and curvature of the line array
LF Driver	Customized driver, 2" voice coil, 200W(AES)
HF Driver	Customized driver, 1"exit, 1.75" voice coil, 50W(AES)
Crossover Point	450Hz 2.2KHz, passive crossover
Rated Impedance	4Ω(+1, -1)
1 Way Amplifier	2pcs maximum, 2Ω
Adjusted Angles	0°, 2°, 4°, 6°, 8°, 10°
Input Connectors	2×Speaker connector
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)	590×236×436mm
Net Weight	19.0Kg

FEATURES

- Customized drivers
- PTV HF horn design ensures even coverage and highly accurate directivity
- American Benelec XPP audio capacitor with stable quality and reliable performance
- Manually soldered fiber board to ensure zero consumption even in very high dynamic
- Unique driver protection circuit and high-efficient cooling system of the driver
- Optimized and compact light weight cabinet design
- Rock solid humidity free birch plywood CNC made cabinet
- Comprehensive accessories suitable for different applications



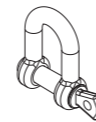
SYSTEM CONFIGURATION

- PRO Series Amplifier
- K-LA, K-LA-DSP Series subwoofer



Shah Alam Stadium in Malaysia

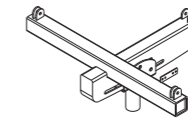
ACCESSORIES



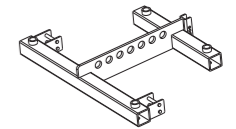
M20 D shackle
Bearing 3T



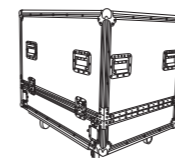
2M / 3M flying belt
Made of synthetic fibre, bearing 2T/4T



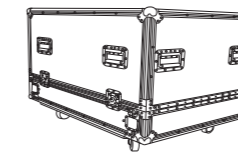
Horizontal sustain bracket_3 boxes
Consist of 1pcs horizontal cradle (3 boxes) and 1pcs three-feet stand, bearing 80KG



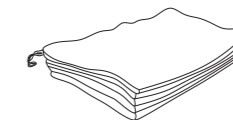
Frame for flying and ground stacking



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

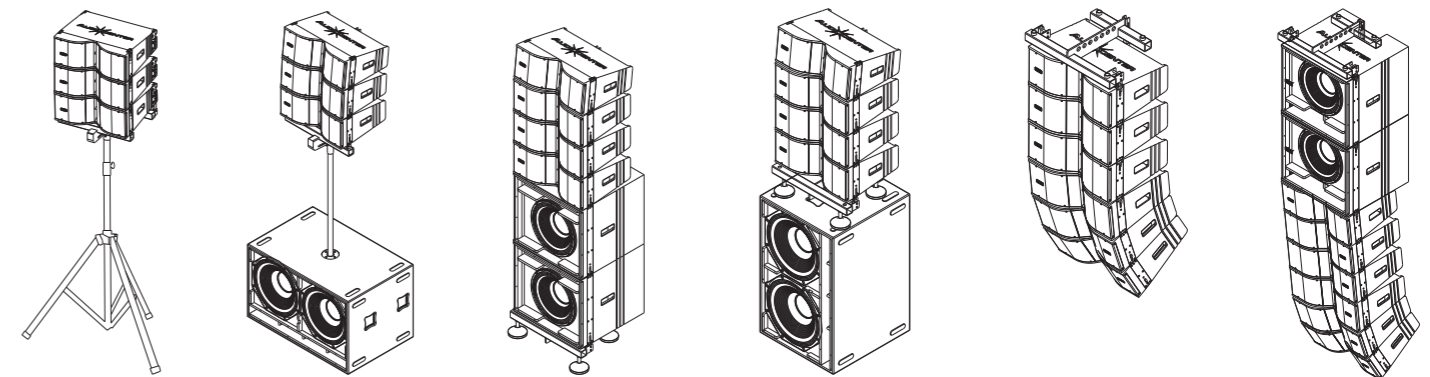


Flightcase(K-LA28)
For 4 cabinets, with 100mm wheels



Rain bag(customized)

INSTALLATIONS



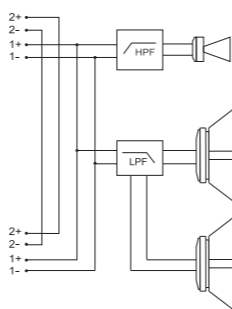
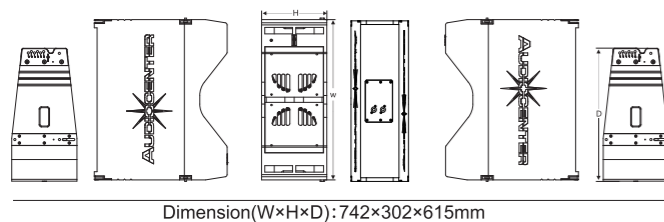
K-LA210

K-LA210, a passive crossover line array speaker, is designed to meet the high requirements of touring performance, rental and fixed installation.

The HF driver of K-LA210 is customized driver with composite membrane (2.84"voice coil), and the LF drivers are two customized 10"drivers (2.5"voice coil).

K-LA210 system can be used as main sound reinforcement for stage with 3pcs at least or 16pcs at most per array. For system application, we suggest one amp to drive two cabinets (amp working at 2 ohm impedance). Together with Audiocenter CA450, a "plug&play" system can be built up easily to meet the demands from small to large sound system.

K-LA210 can be installed vertically. The hanging accessories are built in the cabinet. There are 9,5mm diameter highly durable pins. The system can be configured in modularization according to the venues. Same frame can be either for flying the arrays or for stacking the arrays (We suggest 4pcs maximum for stacking) to meet different demands.



FEATURES

- Customized drivers
- PTV HF horn design ensures even coverage and highly accurate directivity
- Dual effect phase correction technology
- American Benelec XPP audio capacitor with stable quality and reliable performance
- Manually soldered fiber board to ensure zero consumption even in very high dynamic
- Unique driver protection circuit and high-efficient cooling system of the driver
- Optimized and compact light weight cabinet design
- Rock solid humidity free birch plywood CNC made cabinet
- Comprehensive accessories suitable for different applications



SYSTEM CONFIGURATION

- PRO Series Amplifier
- K-LA, K-LA-DSP Series subwoofer

SPECIFICATION

Type	Passive crossover line array speaker
Application System	3pcs minimum, 16pcs maximum per array
Frequency Response	57Hz-20KHz
Rated Power (AES standard)	LF: 500W HF: 70W
Maximum Calculated SPL/1M (Continuous/Peak)	129dB/135dB
Horizontal Coverage Angle (Symmetrical)	100°
Vertical Coverage Angle (Dissymmetrical)	Depend on the amount of the speaker and curvature of the line array
LF Driver	Customized driver, 2.5"voice coil, 250W(AES)
HF Driver	Customized driver, 1.4"exit, 2.84"voice coil, 70W(AES)
Crossover Point	1.2KHz, passive crossover
Rated Impedance	8Ω(+1, -1)
1 Way Amplifier	2pcs maximum, 4Ω
Adjusted Angles	0°, 1°, 2°, 3°, 4°, 6°, 8°, 10°
Input Connectors	2×Speaker connector
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)	742×302×615mm
Net Weight	33.5Kg

PROFILE

Optimized and compact light weight cabinet design, suitable for touring performance

Perfect phase response and unique HF horn design

Exquisite grooves for more elegant and systematic shape

Dual effect phase correction technology

Ergonomical handles

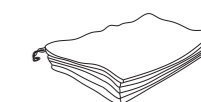
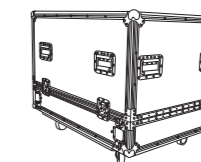
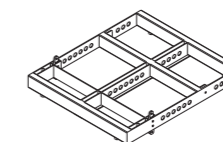
Built-in hanging hardware to make the cabinet more compact and much easier usage

Air vent

Grill

Decorative sheet made of Aluminium, black and red available, can be customized according to the RAL code

ACCESSORIES



M20 D shackle
Bearing 3T

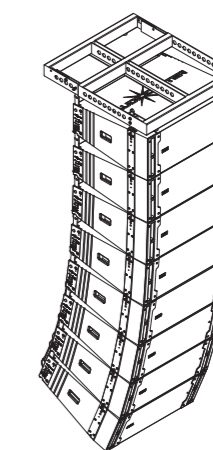
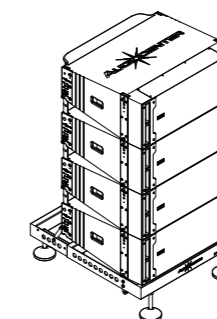
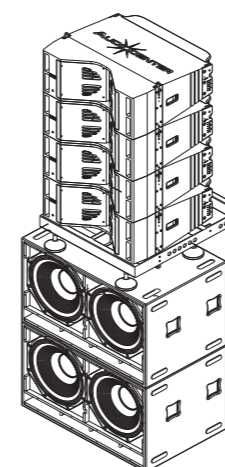
2M / 3M flying belt
Made of synthetic fibre, bearing 2T/4T

Frame for flying and ground stacking

Flightcase
For 2 cabinets, with 100mm wheels

Rain bag(customized)

INSTALLATIONS



The Theatre & Auditorium of Bologna Fair in Italy

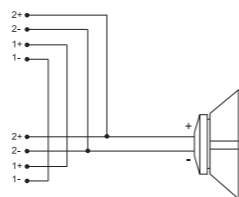
K-LA118

K-LA118, a passive subwoofer, is designed to meet the high requirements of touring performance, rental and fixed installation.

The LF driver of K-LA118 is customized 18" driver (4" voice coil).

K-LA118 is a good match for Audiocenter K-LA28 full range speakers, to extend band width of frequency response and deliver more powerful, impressive and more punchy bass, which can suit for different venues and music styles. K-LA118 can be also flown to realize different applications.

The K-LA118 is half formula double opening design and dual LF output. With 6th order band pass filter function, the cabinet design of K-LA118 can decrease HF interference and improve LF performance.



FEATURES

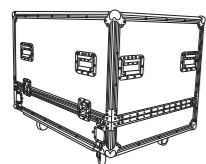
- High-efficient cooling system in the driver
- Optimized, compact and multi-functional cabinet design, flexible and convenient to use
- CNC made of excellent wood
- Comprehensive accessories suitable for different applications



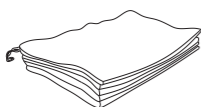
SYSTEM CONFIGURATION

- PRO Amplifier
- K-LA28, all Audiocenter full range loudspeaker

ACCESSORIES



Flightcase
For 1 cabinet, made of ABS composite material, with 100mm wheels



Rain bag
(customized)

SPECIFICATION

Type	Subwoofer
Rated Power (AES)	800W
Frequency Response (-6dB anechoic chamber)	32Hz-200Hz
Maximum Calculated SPL/1M (Continuous/Peak)	131dB/137dB
LF Driver	Customized 18"driver, 4"voice coil, 800W(AES)
Rated Impedance	8Ω(+2, -2)
Input Connectors	2×Speaker connector
Cabinet Material	CNC made of excellent wood
Cabinet Color	Black is standard and default color. Consult with Audiocenter sales team for other customized colors
Dimension (W×H×D)	590×639×800mm
Net Weight	51.0Kg

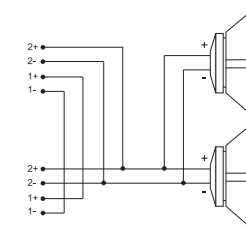
K-LA218

K-LA218 subwoofer can be used in touring performance and fixed installation such as concert, stadium and rental, etc.

K-LA218 is built with 2 customized 18" LF drivers with 4" voice coil, D.F.L. (Dual Frequency Loading) technology and advanced cooling system, which ensures very low power compression and high SPL, increases response speed and decreases inertial offset at the most.

K-LA218 can match all Audiocenter full range speakers, extend the band width of frequency response and provide powerful, deep and dynamic bass.

Tongue and groove CNC made cabinet with Russian birch plywood.



FEATURES

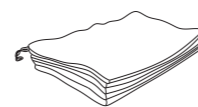
- Powerful, deep and dynamic bass
- Customized 18"LF drivers with 4"voice coil
- D.F.L.(Dual Frequency Loading) technology
- 32Hz extremely low LF extension
- A perfect match for all Audiocenter full range speakers, extend the band width of frequency response
- Rock solid humidity free CNC cabinet made of Russian birch plywood without resonance



SYSTEM CONFIGURATION

- PRO Series Amplifier
- K-LA line array, all Audiocenter full range loudspeaker

ACCESSORIES



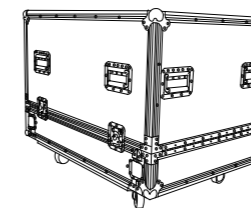
Rain bag
(customized)



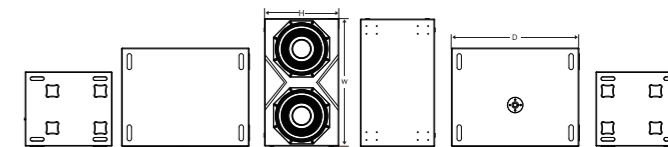
Wheel



Dolly
For 2 cabinets



Flightcase
For 1 cabinet, with 100mm wheels



SPECIFICATION

Type	Subwoofer
Rated Power (AES)	2000W
Frequency Response (-6dB anechoic chamber)	32Hz-150Hz
Maximum Calculated SPL/1M (Continuous/Peak)	134dB/140dB
LF Driver	Customized 18"driver, 4"voice coil, 1000W(AES)
Rated Impedance	4Ω(+2, -2)
Input Connectors	2×Speaker connector
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)	1080×595×760mm
Net Weight	85.0Kg