



Dynamic Audio Solutions



V-HLA⁺ MKII Series Vertical Line Array

V-HLA⁺ MKII Series vertical line array is suited to professional rental companies and professional installers who are able to use complex and innovative sound systems.

V-HLA⁺ MKII, a full range loudspeaker, can be either used as one array with minimum 3 cabinets for near field sound reinforcement or multiple cabinets together as a main PA system for medium indoor or outdoor events. It can be used as a main PA system for large indoor and outdoor events with a matrix of up to 16 speakers.

V-HLA⁺ MKII is very easy for mounting and combining, and is very compact design, which makes it ideal to be used as auxiliary system. It can also be used as stage sound reinforcement, sound compensation, front fill, delay, etc.

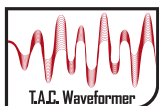
V-HLA⁺ MKII system can be combined in modularization, which is suitable for multiple performance venues.

AUDIOCENTER INTERNATIONAL



Shah Alam Stadium in Malaysia

IMPORTANT FEATURES



T.A.C. Waveformer

T.A.C. waveformer is the driver coupler that mounted between the waveguide and the horn to ensure average coverage and accurate directivity.



Solid Wood Construction

Rock solid humidity free birch plywood CNC made cabinet makes it ideal for touring performances.



OHAC Phase Technology

With the OHAC phase technology, the distance of the neighboring point sources is decreased, thus to improve the phase response of mid-low frequency and the performance of mid-high frequency, and to get consistent sound.



DMF Composite Material Horn Design

The hybrid horn design using DMF composite materials makes sure of very warm sound, even coverage and extremely low distortion.



Customized ProDriver-Neodym

Latest neodymium speaker technology and customized driver from Beyma and FAITAL ensure very clear and clean sound and an impressive sound dynamic.



Integrated Flyware

Integrated installation accessories built into the cabinet make V-HLA⁺ MKII installed vertically or horizontally with ease and flexibility.



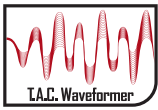
Active Design

V-HLA⁺ MKII adopts active crossover design to make every driver controlled individually by speaker management system and amplifier, which maximize the performance of the drivers.



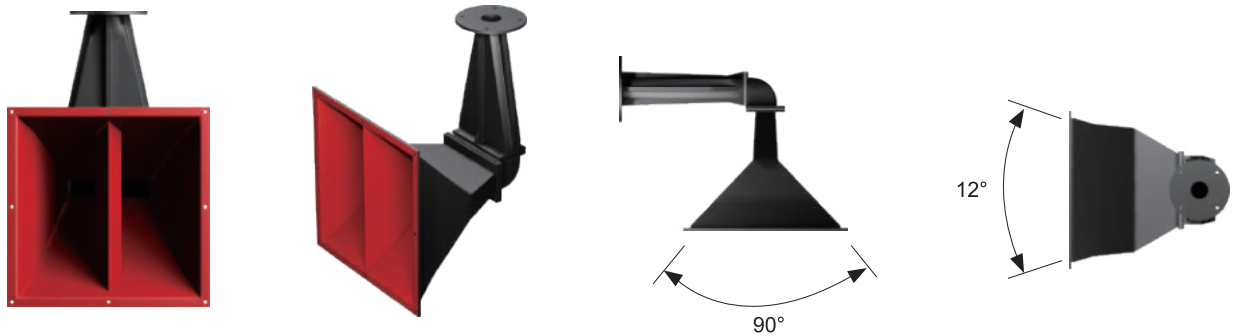
EASE GLL

We provide EASE GLL file for free.



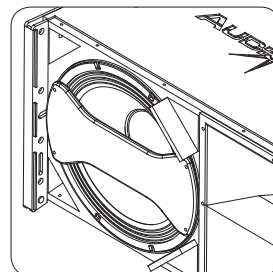
T.A.C. Waveformer

Innovative T.A.C. waveformer is the driver coupler that mounted between the waveguide and the horn to ensure average coverage and accurate directivity. The coverage angle of V-HLA12+ MKII is (H°xV°) 90°x 12°.



OHAC Phase Technology

OHAC phase technology is the phase plug on the LF driver to improve frequency response of the speaker and to clear standing wave and cross switching distortion.



V-HLA12⁺ MKII

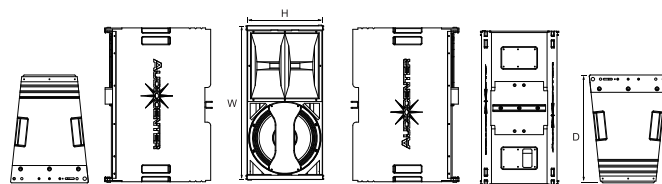
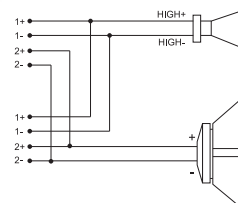
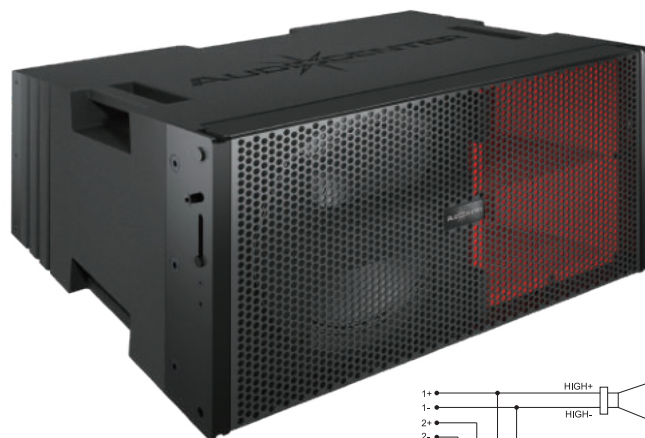
V-HLA12⁺ MKII, an active crossover line array speaker, is designed to meet the high demand of touring performance, rental and fixed installation with outstanding clarity.

The LF driver is customized FAITAL neodymium 12" driver with 4" voice coil, and the HF driver is customized Beyma neodymium driver with a nitride titanium diaphragm and 2.84" voice coil. Innovative T.A.C. wave former technology ensures very good clarity and dynamic effect. The system is with coverage angle (H° x V°) 90° x 12°, which makes accurate coverage no matter in vertical or horizontal direction. The OHAC phase technology in LF is to improve the phase response of off-axis, make the MF richer and smooth the join of frequency band. Result is more consistent and much more impressive sound.

The selected neodymium drivers make V-HLA12⁺ MKII lighter, which is good for easy moving and transportation. Russian birch plywood CNC made cabinets can be used as a matrix of up to 16 speakers.

V-HLA12⁺ MKII can be installed vertically. The hanging accessories are made of stainless steel and 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 ground stacking the arrays (We suggest 4 cabinets maximum for ground stacking). To meet different demands, the vertical angle of the frame is 4°/ 2°/ 0°/ -2°/ -4° adjustable.

Together with CA450 touring power supply and patch panel, V-HLA12⁺ MKII can be used as "plug&play" system to meet the demands from small to large sound system.



Dimension(W×H×D):666×336×462mm

FEATURES

- Innovative T.A.C HF horn waveguide technology (patented)
- OHAC phase technology
- Customized drivers from Beyma and FAITAL
- HF horn design with DMF composite material
- Optimized and compact CNC made cabinet design with Russian birch plywood
- Comprehensive rigging system



SYSTEM CONFIGURATION

- 14U flightcase
- CA450 touring power supply and Patch Panel
- DA series amplifier
- SW series subwoofer

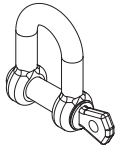
SPECIFICATION

Type	Active crossover line array speaker
Application System	3 cabinet minimum, 16 cabinets maximum per array
Frequency Response (-6dB anechoic chamber)	54Hz-20KHz
Rated Power (AES standard)	LF: 700W HF: 70W
LF Maximum SPL	135dB
HF Maximum SPL	133dB
Horizontal Coverage Angle (Symmetrical)	90°
Vertical Coverage Angle (Symmetrical)	Depend on the amount of the speaker and curvature of the line array
LF Driver	Customized FAITAL neodymium 12" driver, 4" voice coil, 700W(AES)
HF Driver	Customized Beyma neodymium driver, 1.4"exit, 2.84" voice coi, 70W(AES)
Rated Impedance	LF: 8Ω HF: 8Ω
2 Way Amplifier	LF: 8Ω(+2, -2) HF: 8Ω(+1, -1)
Input Connectors	2×NEUTRIK® NLT4MP
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)	666×336×462mm
Net Weight	29.0Kg



Original Ecology Musical Performance “Dynamic Inner Mongolia”

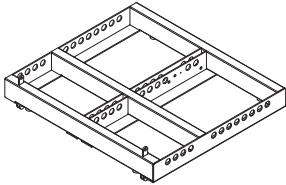
ACCESSORIES



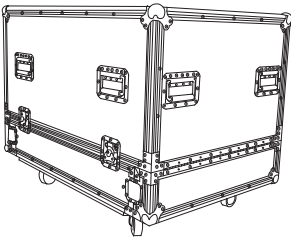
M20 D shackle
Bearing 3T



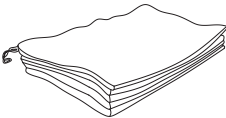
2M / 3M flying belt
Made of synthetic fibre,
bearing 2T/4T



Frame for flying and ground stack

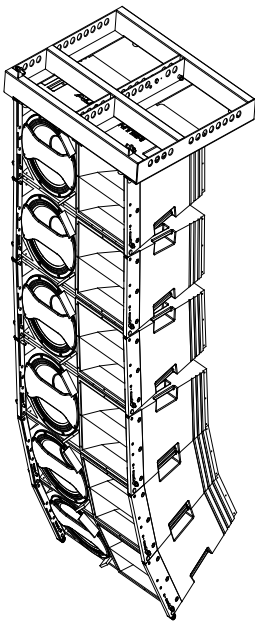
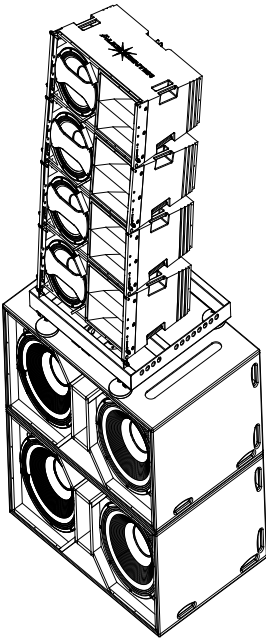
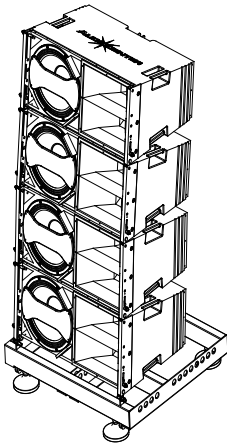


Flightcase
For 2 cabinets, made of
ABS composite material,
with 100mm wheels



Rain bag(customized)

INSTALLATIONS



AUDIOCENTER BRINGS YOU A NEW EXPERIENCE ON “PLUG&PLAY” SYSTEM

1st step: Plug in the power supply

2nd step: Plug in the input signal

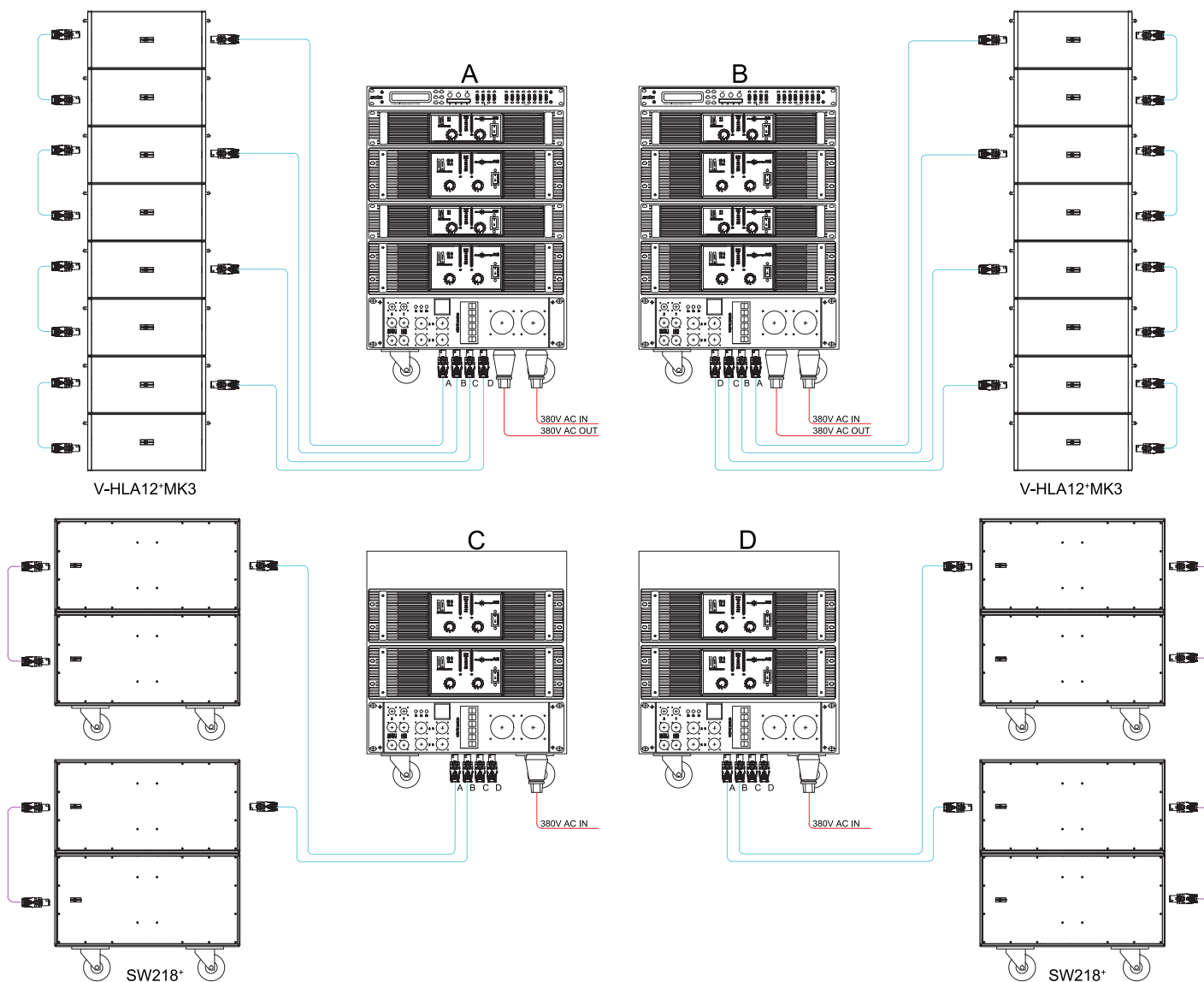
3rd step: Plug in the output signal

If you need a bigger system: just add another “Plug&Play” and you’ll be up and running with the same 3 easy steps.

TYPICAL SYSTEM

V-HLA12⁺ MKII System for Touring Performance

Speakers	Power Amplifier	Processor
16×V-HLA12 ⁺ MKII	4×DA2.2	4 in 8 out
	4×DA12.2	
8×SW218 ⁺	4×DA12.2	





■ V-HLA⁺ MKII Series Specifications

SPECIFICATIONS		V-HLA12 ⁺ MKII	
		LF	HF
Power (AES standards)	Rated	700W	70W
	Program	1400W	140W
	Peak	2800W	280W
Impedance		8Ω	
Frequency Response (-6dB anechoic chamber)		54Hz-20KHz	
Horizontal Coverage Angle (Symmetrical)		90°	
Vertical Coverage Angle (Symmetrical)		Depend on the amount of the speaker and curvature of the line array	
Maximum Calculated SPL/1M	Continuous	129dB	127dB
	Program	132dB	130dB
	Peak	135dB	133dB
Drivers		Customized FAITAL, neodymium driver, 4" voice coil	Customized Beyma, neodymium driver, 2.84" voice coil, 1.4" exit
Crossover		Active Crossover	
Cabinet		High density Russian birch plywood CNC made	
Connectors		2 x NEUTRIK® NLT4MP	
Optional Accessories		Flying belt / D shackle / Flying frame / Stacking frame / Flightcase / Durable rain bag	
Dimensions(W×H×D)		666×336×462mm	
Net Weight		29.0Kg	
Technical Support and After-sales Service		Global application support team, EASE GLL files	

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www.audiocenter.net

Together we are stronger

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