



V10A/V10SA Line Array Cabinet System

**USER
GUIDE**

GD202011321

070404065E

1. IMPORTANT SAFETY INSTRUCTIONS

WARNING:

In order to avoid the possibility of physical injury to you or others, or damage to the device or other property, please follow the basic precautions listed below. These precautions include, but are not limited to, the following:

- Read and keep these instructions
- Heed all warning.
- Follow all instructions.
- This device is capable of delivering high sound pressure levels beyond 120dB, which may cause permanent hearing damage. Please pay more attention to select a proper volume.
- Do not remove the front metal grille which protects the loudspeaker (or the inside components) from any irreparable damage. The device contains no user-serviceable parts.
- Do not use solvents such as acetone or alcohol to clean the device, or the solvent may damage its finish.
- Do not expose the device to the atrocious environment for a long time (for example: moisture, excessive heat, strong temperature variations, etc.)
- Clean the device once in a while to avoid excessive dust; when removing the device, please pack the device with original packaging for any transport purpose
- Only use the accessories/attachments or parts recommended by the manufacturer.

CAUTION:

In order to avoid the possibility of damage to the device or other property, please follow the basic precautions listed below. These precautions include, but are not limited to, the following:

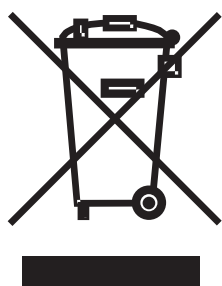
Location

The series speaker features with smart and convenient installation facility, which can be located on a stable ground surface or mounted on a stand (only for full-range speaker) or other ways. For protecting your speaker from possible damage, please note following caution:

- If you place your speaker on flat surface, please make sure the flat surface is even, completely firm.
- Before moving the speakers, remove all connected cables.
- When installing or transporting the device, always use two or more people.

Connections

- Always make sure that all devices are turned off when connecting the speaker to other devices. Also make sure that all volume and level controls are turned down to minimum before turning the power on.
- Use only speaker cable for connecting speakers to speaker jacks. Use of other types of cables may result in fire.



WEEE Mark

If you want to dispose of this product, do not mix with general household waste. There are separate collection systems for used electronic products in accordance with legislation under the WEEE Directive (Directive 2002/96/EC) and is effective only within the European Union.

Introduction :

- 1.Compact cabinet with simple, beautiful and wearable appearance;
- 2.The precise hanging system is easy to install and disassemble with high reliability;
- 3.The whole cabinet is designed with DSP, which is convenient for engineering configuration;
- 4.It is the best choice for gymnasiums, theaters and other places because of its bright, delicate and clear treble and strong bass
- 5.It is very suitable for the main speaker of medium and small sound reinforcement system, such as conference room, multi-function hall, theater, auditorium, church, etc.

V10A

1.Description :

V10A line array speaker provide frequency response range : 60Hz-20kHz. It has smooth frequency and phase response. Two 34-core treble compression units and two 10-inch bass units form a very dynamic balance combination each speaker provides a separate high power amplifier and DSP. The speaker can be adjusted individually, and the number of connections is configured according to the size of the actual situation, which makes the on-site sound amplification extremely flexible and convenient.

The V10A's 10 inch bass unit cone uses imported materials. For the HF part, two 34-core treble compression units are used to convert the high frequency sound waveform from spherical wave to equal-phase plane wave through a planar wave converter, which greatly reduces the high frequency interference effect and improves the sound clarity over a long distance. At the same time, a 120-degree exponential curve constant indicator horn is combined to produce a consistent wavefront. The V10A amplifier uses high efficiency switching power supply with built-in DSP module, which has functions such as processing crossover, EQ, pressure limit, delay, volume, etc. The DSP can be easily operated through the panel.

The V10A cabinet is trapezoidal, and the gap between the enclosure has been minimized, thus reducing the invalid vocal area of the array and minimizing the vertical side lobes of the array. The V10A cabinet is equipped with a precision aluminum alloy intelligent hanging system. The angle of connection between the enclosure can be adjusted to meet the needs of different occasions by adjusting the connecting rod at the back of the enclosure between 0 and 10 degrees. Two handles embedded in the box on both sides of the speaker are easy to carry.

2.Applications :

- Mobile performance
- Large, medium and small stadiums
- Theaters, auditoriums, etc.

Installation :

V10SA line array speaker provide frequency response range : 32Hz-400Hz. It has smooth frequency and phase response. One 18'LF unit. Each speaker provides a separate high power amplifier and DSP. The speaker can be adjusted individually, and the number of connections is configured according to the size of the actual situation, which makes the on-site sound amplification extremely flexible and convenient.

The V10SA amplifier uses high efficiency switching power supply with built-in DSP module, which has functions such as processing crossover, EQ, pressure limit, delay, volume, etc. The DSP can be easily operated through the panel.

The V10SA cabinet is equipped with a precision aluminum intelligent hanging system to meet the needs of different occasions. Two handles embedded in the cabinet are on both sides of the speaker for easy movement. Simple and reliable hanging structure can be quickly hoisted into vertical array;

You can also place the V10SA subwoofer on the ground and stack the V10A line array speaker on the V10SA subwoofer. The application can be greatly expanded.

1.stage electric hoist

2.hanging top frame

①Install the shackle on the frame, fix the hoisting ribbon on the shackle, hang it on the hoist, and adjust to balance.

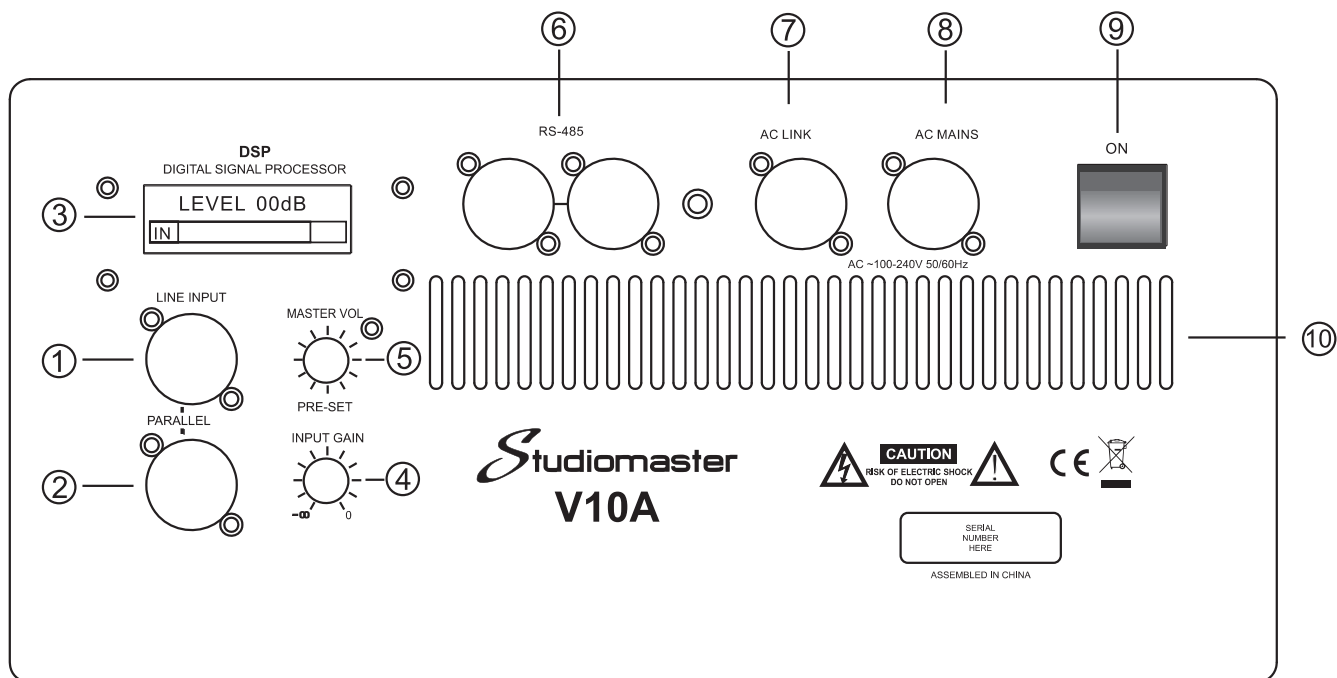
②Fix the front and rear connecting blocks on the frame with bolts.

3.Install V10SA speaker : After aligning the installed frame connecting block with the front and rear lifting holes of V10SA, insert the bolt to fix it.

4.Install V10A speaker : Align the connection block of the subwoofer V10SA to the fixed hole of the full-range speaker and insert the pin to fix it.

5. Repeat step 4 to load all speakers.

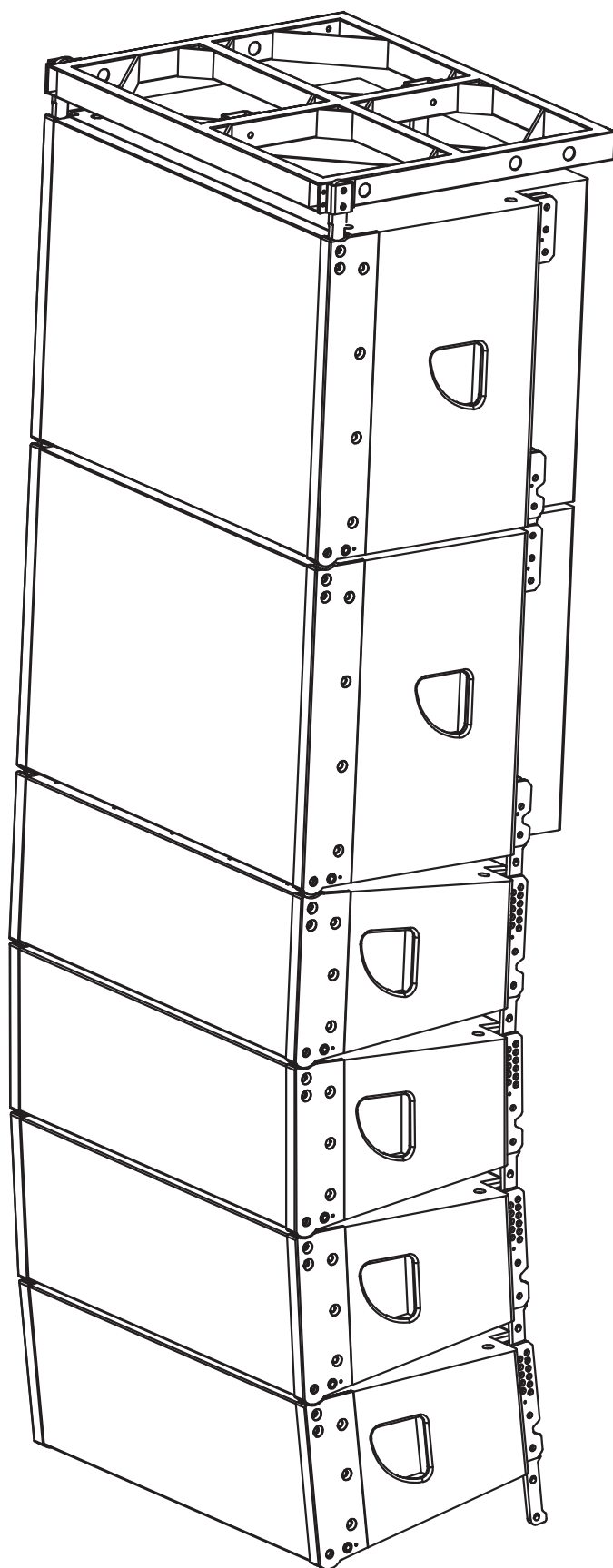
Function

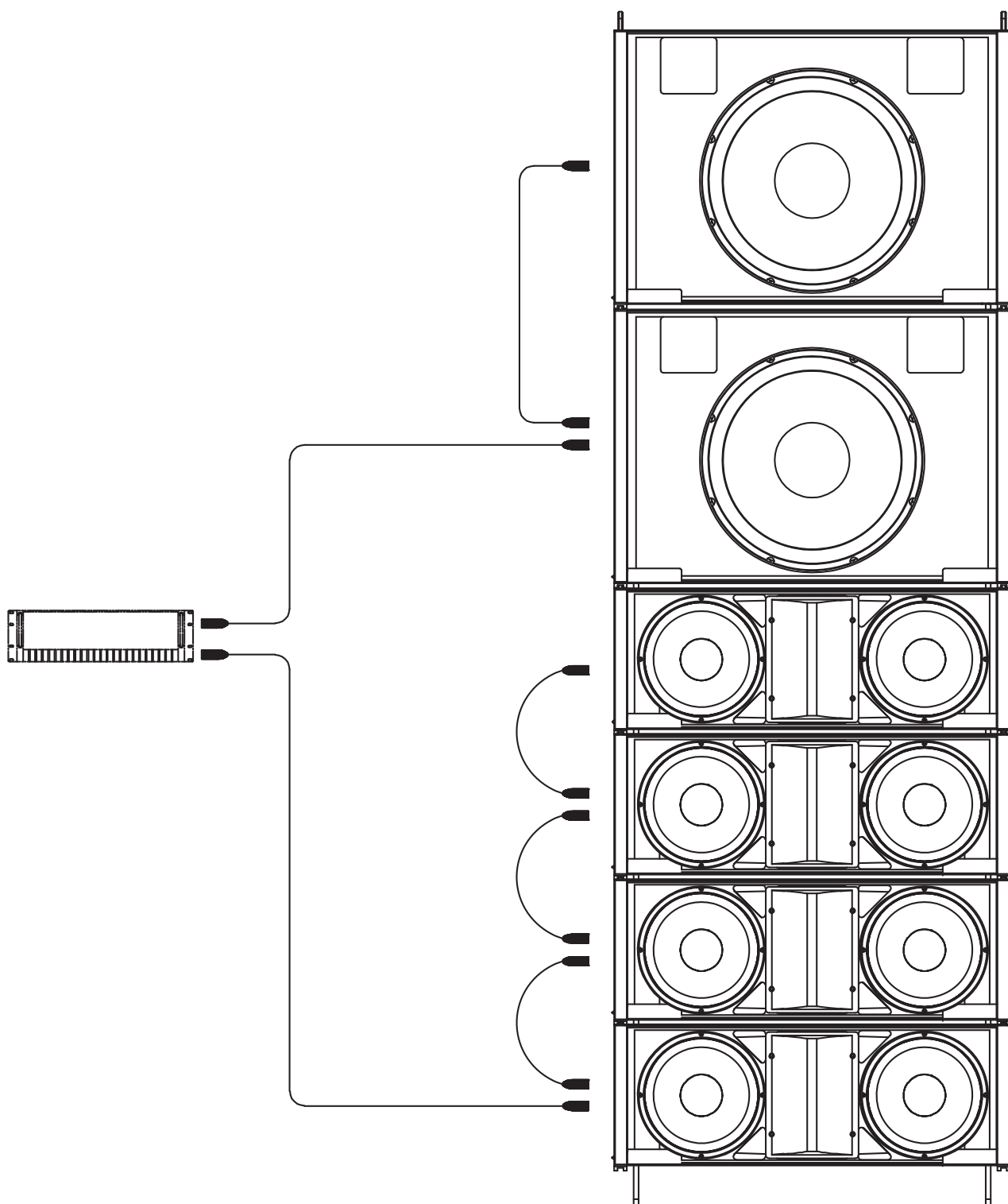


- 1). LINE INPUT: bal XLR to connect with the line out connector of CD player or mixer.
- 2). PARALLEL: bal XLR to parallel with INPUT connector to connect signal with another active speaker cabinet or other equipments.
- 3). LCD DISPLAY: LCD displays signal level, mode, 3 band EQ, low cut, delay, etc.
- 4). INPUT GAIN: line input volume adjustment knob, controlling signal output strength.
- 5). MASTER VOL/PRE-SET: normally it adjusts master volume. Press once to enter menu, and select the function on LCD to adjust (mode, 3 band EQ, low cut, delay, etc).
- 6). USB interface: connect with PC to adjust parameter via USB to RS-485 module and pro software
- 7). Power output socket: special lock-in power socket, connects to AC power input socket of the next speaker.
- 8). Power input socket: special lock-in power socket.
- 9). Power switch: Turn on or off power supply for the device. When power is turned on, LCD screen lights up.
- 10). Vent for heat dissipation.

DSP function

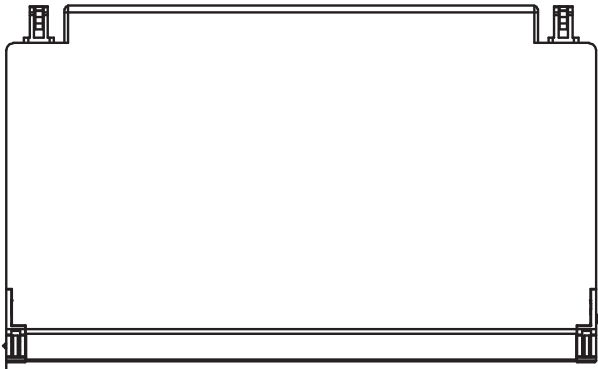
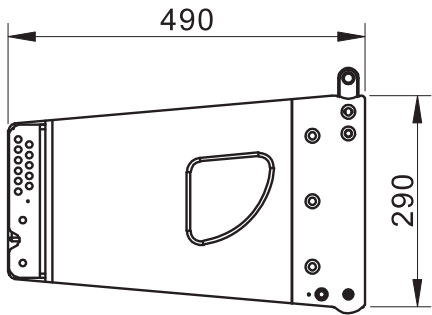
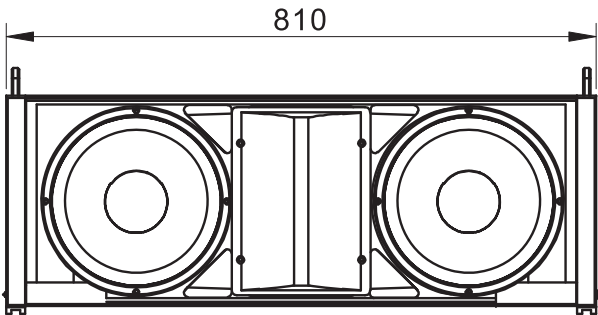
LEVEL 00dB	←	Level adustment -60dB~00dB
IN	←	Level indication: level / limit/clip indication,
EXIT	←	Exit
MODE: NORMAL	←	Mode: normal, outdoors, HF+3dB, self define
LOW CUT: OFF	←	Low cut : OFF、 80、 100、 120、 150
HIGH EQ: 0dB	←	HF Eq: ±12dB
MID EQ: 0dB	←	MF Eq: ±12dB
LOW EQ: 0dB	←	LF Eq: ±12dB
DELAY: OFF	←	Input delay: 0~16mS
LCD DIM: ON	←	LCD DIM: ON-OFF
BRIGHT: 5	←	Contrast: 0~10
CONTRAST: 5	←	Bright: 0~10
RESET	←	Reset
INFO	←	Product information
EXIT	←	Exit



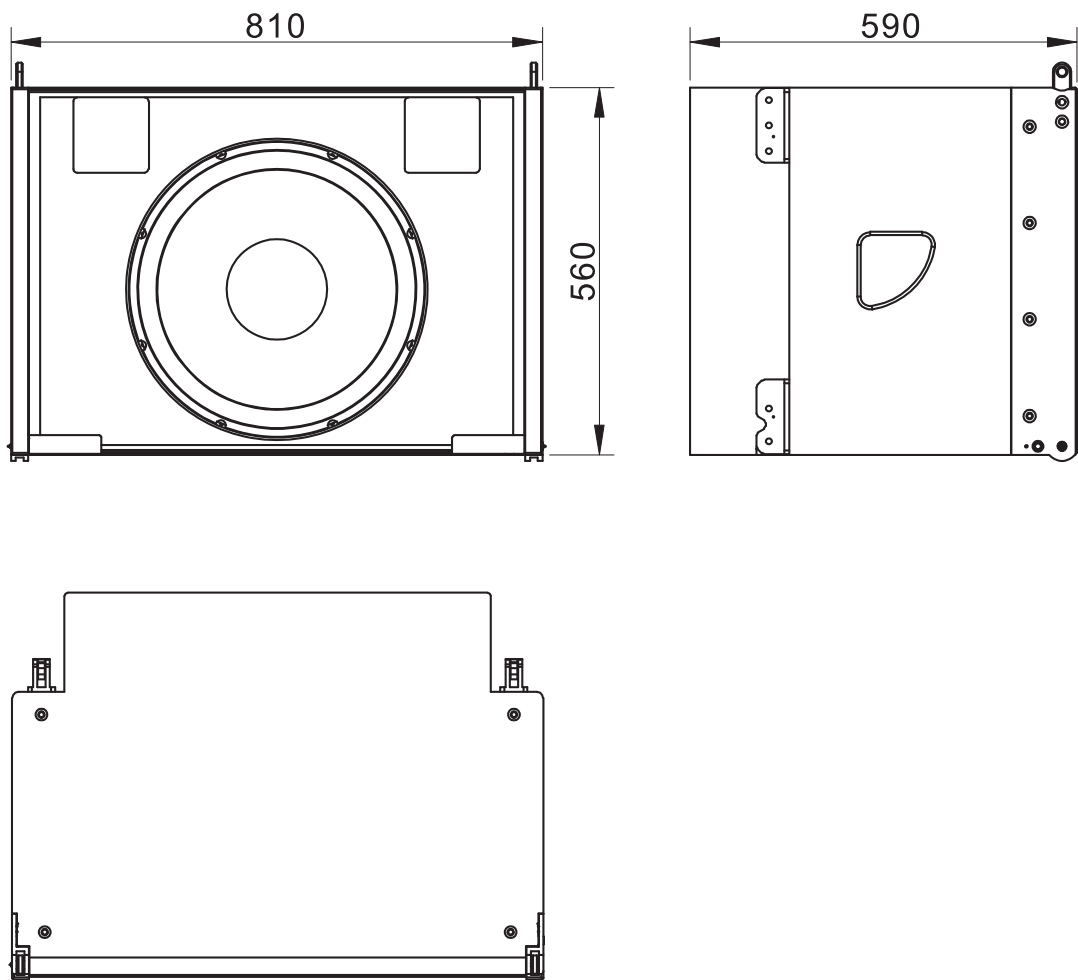


Specification

Model	V10A		
Type	Active line array speaker		
Frequency response	60Hz~20KHz		
Coverage	120° (H) x 10° (V)		
LF unit	2×10″ (260 mm)		
HF unit	2×1. 34″ (34mm) compression driver		
Input sensitivity	0dBu		
AMP power	LF:300W (RMS)	LF:600W (PEAK)	
	HF:100W (RMS)	HF:200W (PEAK)	
Max SPL	130dB		
Dimension (WxHxD)	810×290×490 (mm)		
Weight	31kg		
Angle	0、 1、 2、 3、 4、 5、 6、 7、 8、 9、 10°adjustable		



Model	V10SA
Type	Active line array subwoofer
Frequency response	35Hz~400Hz
LF unit	1×18" (457 mm)
Input sensitivity	0dBu
AMP power	700W(RMS) / 1400W(PEAK)
Max SPL	130dB
Dimension (WxHxD)	810×560×590 (mm)
Weight	44kg



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