

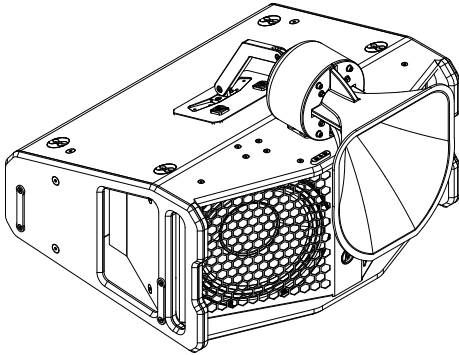
# **MONSTER212**

# **MONSTER1215**

User's manual



# SPECIFICATIONS



Monster212 is a two way full range speaker that combine by individual dual 12 inch LF speaker and one 2.5 inch HF compression driver with BI-AMP design . it have own passive filter in the LF speaker and HF speaker that it can driving by amplifier directly . Monster series speaker is the perfect combination with the science and acoustics .With excellent acoustic phase and frequency response it can make you have a good listening experience in high pressure level; it have excellent performance in high frequency cause the horizontal asymmetric design horn and the impedance compensation circuit which stabilized the impedance between 4 ohms so make it perfect match with the amplifier. it has high efficiency and up to 1400W withstand power in AES which make it have 138dB output in peak; The cabinet is made of birch wood with CNC and with ivory white surface treatment. for the HF section it machining of aluminum alloy with CNC process. MONSTER121S is the recommend subwoofer to the sub212 and it can stack on the floor so it can use in nightclub and the place where need sound reinforcement in medium throw ;

## Acoustics

AES Power:LF:1400W / HF:80W  
 Program Powe:LF:2800W / HF:160W  
 Nominal impedance:4  
 Frequency Range: LF:48~2.3kHz(-10dB)  
 HF:90~20kHz(-10dB)  
 Frequency Response:55~18.5kHz  
 Sensitivity:LF:100dB ; HF:110dB(1W/m)  
 Maximum SPL: > 132dB/138dB

## Coverage Angle

Horizon:110°  
 Vertical:80° (Up20°+Down60° )

## Drivers

LF driver:2x 12" Neodymium driver (V.C:4")  
 HF driver:1x1.4" Neodymium driver(V.C:2.5")

## Connector

5x**NEUTRIK**® NL4 SPEAKON  
 LF:INPUT1± ; LINK : 2±  
 HF:INPUT2± ;

## Cabinet

CNC , tongue and groove cabinet, 18mm birch wood  
 Environmental ivory white surface treatment

## Hanging Accessories

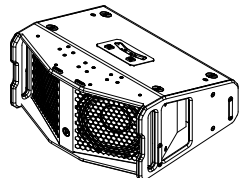
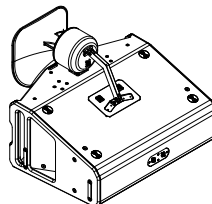
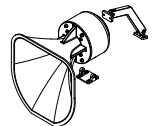
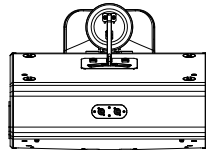
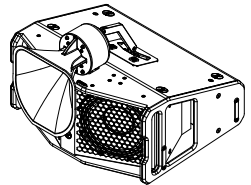
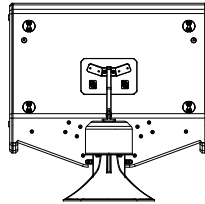
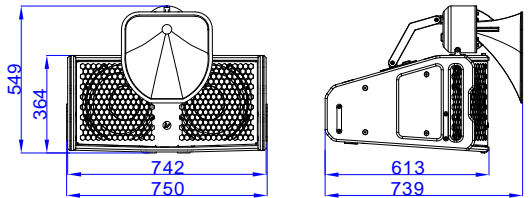
4 pcs Ø40 hoisting ring for quickly mounting

## Product dimension/Packing dimension

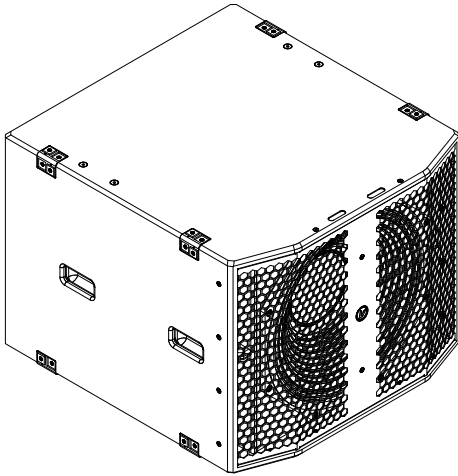
HF:Packing dimension W460xH430xD440  
 LF:W750xH549xD739mm / W910xH510xD780

## N.W/G.W

HF:8.5kg/ 12kg  
 LF:39.5kg/ 51kg



## SPECIFICATIONS



Monster121S is the single 21 inch subwoofer speaker and it's special design for MONSTER212 speaker.it have good performance in high SPL cause the optimized cabinet structure design for the driver. The MONSTER121S adopts an ultra large power driver with a power up to 2000W in 4 ohm and a voice coil of 6 inch.we recommended use amplifier with power at least RMS 2400W to driving the speaker to get the best performance .

The tongue and groove cabinet is made of birch wood which ensure the strength of the cabinet,reasonable cabinet volume design let it have amazing punch in low frequency.

### Acoustics

AES Power:2000W

Program Power :4000W

Nominal impedance:4

Frequency Range:25~1.4kHz (-10dB)

Frequency Response:28~100Hz

Sensitivity:97.5dB(1W/m)

Maximum SPL: > 130dB/136dB

### Drivers

1x 21" Carbon fiber cone ferrite driver (V.C:6")

### Connector

2x **NEUTRIK**® NL4 SPEAKON

INPUT:1± ; LINK : 2±

### Cabinet

CNC 、tongue and groove cabinet, 18mm birch wood

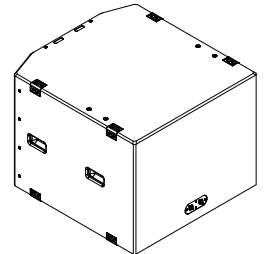
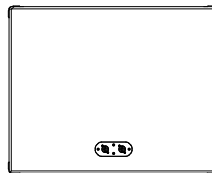
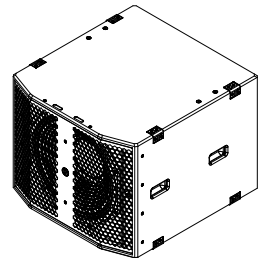
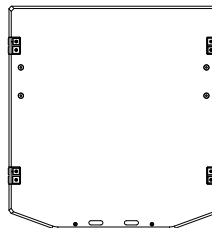
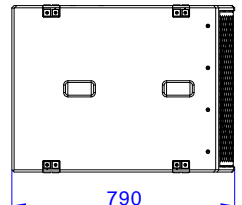
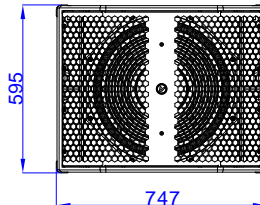
Environmental ivory white surface treatment

### Product dimension/Packing dimension

W747xH595xD790mm / W910xH770xW960

### N.W/G.W

71.5kg / 87kg

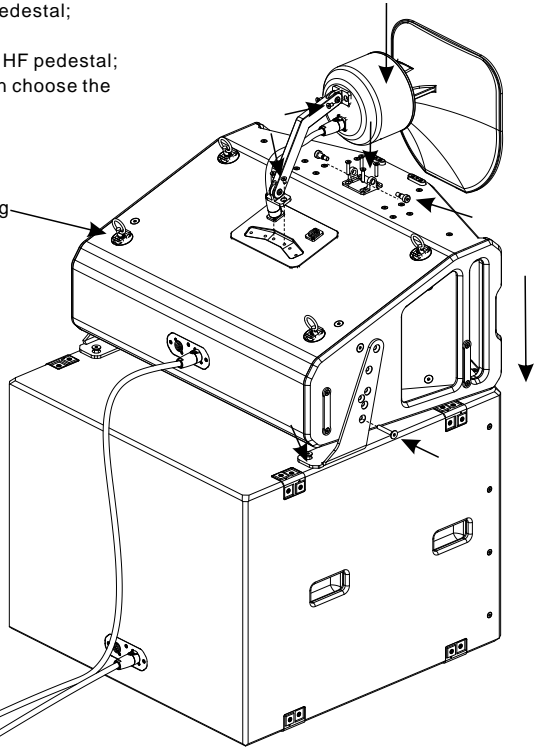


# SYSTEM CONFIGURATION

## HF section

- Remove 4 pcs M4x30 screw then lock the HF pedestal;
- Put the HF section on the pedestal;
- Use the M8 axle screw lock the HF section and HF pedestal;
- Lock the stand bar by 4 pcs M4X12 screw(it can choose the vertical angle at 0° or -6° of the HF section) .

Detachable hoisting ring for hanging

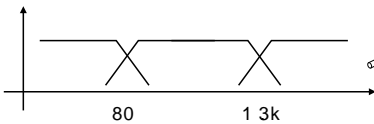


## Stacked installation

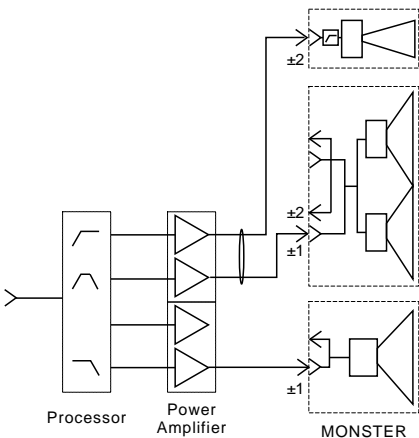
- Remove 4 pcs M8x50 screws of the subwoofer then fixed the T shape support rod ( not need to tighten the M8 screws at this moment ) ;
- Place full range speakers on subwoofer
- Remove the M8x50 screws of the full range speaker and choose the angle you need then tighten all the M8 screws.

## Connection

- As following wiring diagram it used external DSP to management the different range frequency to Corresponding speakers;
- Recommended the crossover frequency as following diagram.



## System wiring



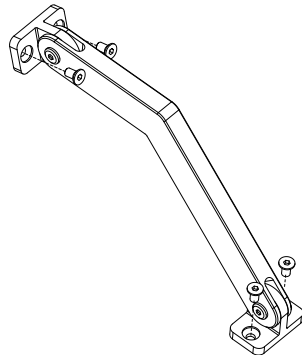
The HF section support rod is attach in the packing:

### Function:

link the cabinet and the HF section(The screws are preset at the mounting position).

### Caution:

It must used M6x12 countersunk screw to lock the HF section support rod.



## Dual stacked installation

Accordance with the same steps of the single stack, two HF components are mounted on one of the speakers on the ground;

Stacked the subwoofer;

Fixed the T shape support rod(not need to tighten screw at this moment);

Upside down another speaker and stack it between the subwoofer and T shape support rod then adjust the angle and then tighten the screws;

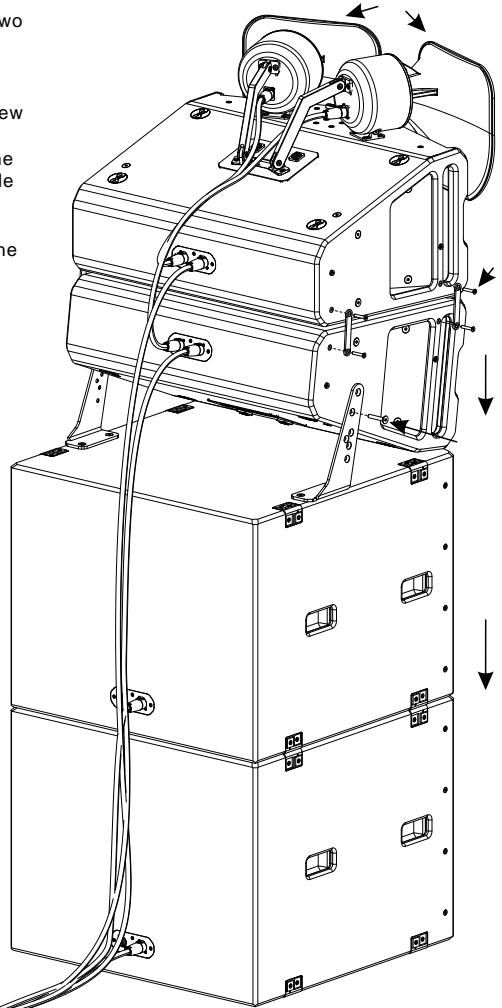
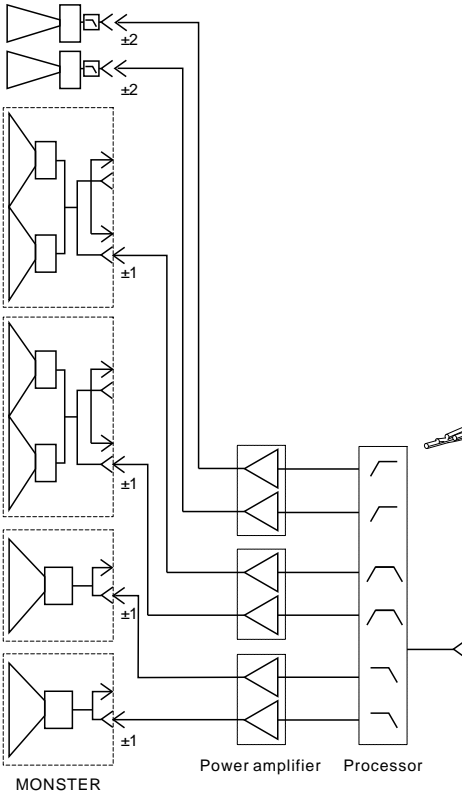
Remove 4 pcs connect rod in the full range speaker;

Place the full range cabinet with two HF sections on the subwoofer by two man together and keep it in right position;

Fixed the speaker by the connect rod.

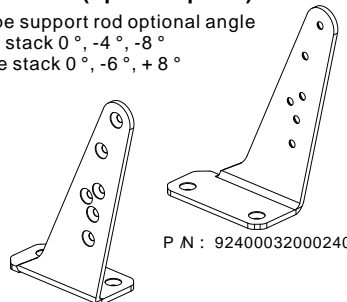
## System wiring

Use external frequency division to driving;  
Refer to the following wiring diagram:



## Accessories(optional parts)

T shape support rod optional angle  
Single stack 0°, -4°, -8°  
Double stack 0°, -6°, +8°



P N : 924000320002400

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Verity Audio reserves the right to make any changes to the product specifications without prior notice.  
Final specifications to be found in the user manual.

