

Dear Customer,

Thank you for purchasing TAKSTAR ESA-081 line array speaker cabinet. It features compact structure, easy installation, adjustable angle, clear sound to suit for medium or large reinforcement applications.

Please read the user manual carefully before operation and keep it for reference in future. If you have any question or suggestion, please contact our local dealer.

## ■ Features

1. It consists of 8 inch 50mm cone MFLF and 44mm compression driver HF
2. The woofer is designed with elastic and durable cloth surround for quick MFLF response and sufficient dynamic
3. The HF is designed with Polyimide diaphragm for bright and flat high frequency and detailed sound
4. Special directivity wave guide horn is designed for effectively controlling the vertical directivity, linear sound source, low attenuation of long sound transmission
5. Symmetric magnet design, low harmonic distortion
6. The crossover is designed with low consumption OFC inductor, high quality polypropylene & polyester capacitor for reliable but prominent sound
7. Trapezoidal enclosure and acoustic foam eliminate standing wave and provide pure MFLF, flat frequency response. The speaker cabinet also features compact structure, connection bar and magnetic pin, vertically  $-4^{\circ}\sim 0^{\circ}\sim 10^{\circ}$  adjustable in 8 steps to adjust the projection freely

## ■ Product content

Speaker cabinet	1pc
Connection bar	2pcs
Pin	6pcs
User manual	1pc

## ■ Application

Music bar, small show, multifunction hall

## ■ Specification

Rated Power: 150W  
 Rated Impedance: 8Ω  
 Frequency Response ( $\pm 3\text{dB}$ ): 75Hz-20kHz  
 Sensitivity (1W/1M) : 96dB  
 Coverage:  $\text{H}120^{\circ}\times\text{V}10^{\circ}$   
 Max SPL: 117dB  
 Crossover Mode: two way passive  
 Crossover Frequency: 1600Hz  
 Suspension: connection bar, pin, vertically  $-4^{\circ}\sim 0^{\circ}\sim 10^{\circ}$  adjustable in 8 steps  
 Connector: 2×NL4speakon (IN1+, 1-, LINK1+, 1-)  
 Enclosure: 15mm plywood  
 Finish: black painting  
 HF: 1.75"×1 (44mm)  
 LF: 8"×1 (50mm)  
 Dimension: 455×279×250mm (W×D×H)  
 Net Weight: approximate 15kg  
 Note: The above data is obtained from the test of Takstar laboratory and Takstar has the final interpretation right!

## ■ Caution

1. To ensure safety, the maximum speaker cabinet quantity is 16 on one side.
2. Make sure the power and impedance of connected equipment matches with that of this product before operation
3. The speaker cabinets must be installed by professional technician, and in the place hard to touch.
4. Keep the horn to the audience area to ensure the sound effect.
5. Handle with care during moving the speaker cabinet to avoid damage.
6. Fix the connection bars and pins on the speaker cabinet after operation.

## ■ Installation

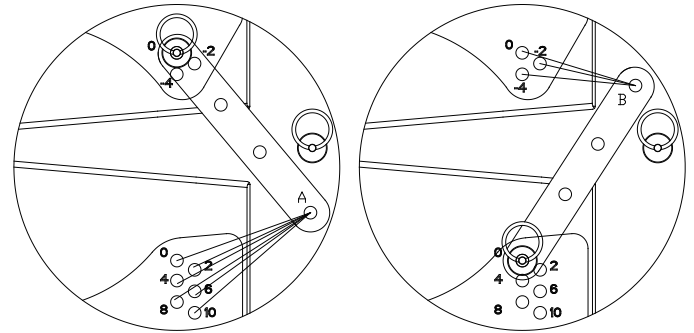


Figure 1 ( $0^{\circ}\sim 10^{\circ}$  adjustment)

Figure 2 ( $-2^{\circ}\sim -4^{\circ}$  adjustment)

1. Four flying points for suspension with  $-4^{\circ}\sim 0^{\circ}\sim 10^{\circ}$  adjustable.

1)  $0^{\circ}\sim 10^{\circ}$  adjustment: insert the pin into 0 hole at B, and insert into the relative hole at A (refer to figure 1), e.g. if you need to adjust to 8 degree, insert into 0 hole at B, and 8 degree at A.

2)  $-2^{\circ}\sim -4^{\circ}$  adjustment: insert the pin into 0 hole at A, and insert into the relative hole at B (refer to figure 2), e.g. if you need to adjust to  $-2$  degree, insert into 0 hole at A, and 2 degree hole at B.

2. Two line array speaker cabinets are paralleled as a group via one cable. Before paralleled impedance, 8Ω, after paralleled impedance 4Ω.

3. This full range speaker cabinet has built-in crossover. It is recommended to connect one group of full range speaker cabinets with one channel of pro power amplifier EKA-3A/3D/403/403D.

## ■ Safety instruction

To avoid electric shock, over temperature, catching fire, explosion, mechanical injury and hurt or property loss caused by improper use, please read the following items carefully before operation:

1. Make sure the power of connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at high volume level to avoid hearing loss.
2. If abnormal phenomenon (smoke, abnormal smell) happens, please turn off the power switch and disconnect the power plug with power socket, and send the product to local dealer for maintenance.
3. The product and accessories should be put in dry and ventilated place rather than humid or dusty environment. Prevent the product from liquid, rain, water, over-colliding, throwing, vibrating, vent hole covered to avoid function destroyed.
4. When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
5. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.