

**TAKSTAR®  
ECA-032 Line  
Array Full  
Range  
Speaker  
Cabinet**



# TAKSTAR ECA-032 Line Array Full Range Speaker Cabinet Owner's Manual

[Home](#) » [TAKSTAR](#) » TAKSTAR ECA-032 Line Array Full Range Speaker Cabinet Owner's Manual 

## Contents

- [1 TAKSTAR ECA-032 Line Array Full Range Speaker Cabinet](#)
- [2 Product Information](#)
- [3 FAQ](#)
- [4 Features](#)
- [5 Specification](#)
- [6 Installation](#)
- [7 Product Content](#)
- [8 CONTACT](#)
- [9 Documents / Resources](#)
  - [9.1 References](#)

# TAKSTAR®

## TAKSTAR ECA-032 Line Array Full Range Speaker Cabinet



## Product Information

- The ECA-032 line array full-range speaker cabinet is designed to be used with the ECA-081SUB subwoofer.
- It features a compact contour, easy installation and adjustment, and delivers clear and delicate sound quality.

- Please read the user manual carefully before operation and keep it for reference in the future.
- Refer to Figures 1 and 2 in the user manual for installation instructions.
- Ideal for medium or small banquet halls, multifunction halls, and large conference rooms.

## FAQ

- **Q:** How do I connect the ECA-032 with the ECA-081SUB subwoofer?
- **A:** To connect the ECA-032 with the ECA-081SUB subwoofer, use the provided cables and follow the instructions in the user manual for proper setup.
- **Q:** Can I use the ECA-032 without the ECA-081SUB subwoofer?
- **A:** While the ECA-032 is designed to be used with the ECA-081SUB subwoofer for optimal performance, it can still function as a standalone speaker cabinet.

## Dear Customer,

- Thank you for purchasing ECA-032 line array full range speaker cabinet which used with ECA-081SUB subwoofer together.
- ECA-032 features compact contour, easy installation and adjustment, clear and delicate sound.
- Please read the user manual carefully before operation and keep it for reference in future.

## Features

- The line array is designed with 3 inch 20mm cone MFHF and dual 25mm silk dome tweeter.
- The woofer features elastic and durable rubber surround for quick and dynamic MFLF, symmetric magnet circuit for low harmonic distortion.
- The tweeter features transparent silk diaphragm for flat and bright treble, NdFeB magnet for light weight and slender but detailed treble.
- The magnet loop is filled with magnet liquid to reduce the voice coil temperature and meanwhile boost the reliability.
- Specific directivity horn is designed together to effectively control the vertical audio projection range
- The crossover is designed with low consumption OFC inductor and high quality polypropylene for reliable performance and prominent sound
- The trapezoidal enclosure is designed with acoustic foam to eliminate standing wave but boost the pure MFLF and flat frequency response.
- The compact enclosure is connected via AI pieces, vertically 0°-10°adjustable in 6 steps. The speaker cabinet quantity and projection angle can be adjusted according to the actual installation requirement
- Linear audio source, even horizontal coverage, strong vertical directivity, low attenuation in the projection range

## Specification

- **Rated Power:** 40W
- **Rated Impedance:** 16Ω
- **Frequency Response(±3dB):** 100Hz-20kHz
- **Sensitivity(1W/1M):** 92dB

- **Coverage:** H120°×V45°
- **Max SPL:** 108dB
- **Crossover Mode:** two way passive
- **Crossover Frequency:** 2500Hz
- **Suspension/Installation:** flying suspension, vertical 0°-10°adjustable
- **Wiring:** 2×NL4speakon(IN1+, 1- LINK1+, 1-)
- **Enclosure:** 5mm+9mm+15mm plywood
- **Finish:** white painting
- **Tweeter:** 1"×2(25mm) silk dome
- **Woofers:** 3"×2(20mm) 70 magnet
- **Dimension(mm):** 302×167×112mm(W×D×H)
- **Net Weight:** 2.4Kg

### Caution

1. To ensure installation safety, the full range speaker cabinet quantity can not be more than 20 on one side.
2. Make sure the power and impedance of speaker cabinet match with that of the power amplifier, otherwise it leads to equipment damaged or bad sound.
3. Ask professional technician for installation.
4. During operation, keep the horn toward the audience for better effect.
5. Handle with care during transportation.
6. After operation, fix the connection bar and pin on the cabinet to prevent from losing them.

### Installation

1. Connect one ECA-032 with another ECA-032 via connection parts at three points. Use the pin to adjust vertical angle 0°-10° in 6 steps (refer to figure 1).
2. Connect ECA-032 with the subwoofer ECA-081SUB at three points. Use the bolt to adjust vertical angle in two steps (refer to figure 2).
3. Four full range speaker cabinets can be installed as a group in a parallel way via 3 cables, 4Ω impedance after connection.

It is recommended to use one channel of power amplifier EKA-3A/3D/403/403D for one group of speaker cabinets.

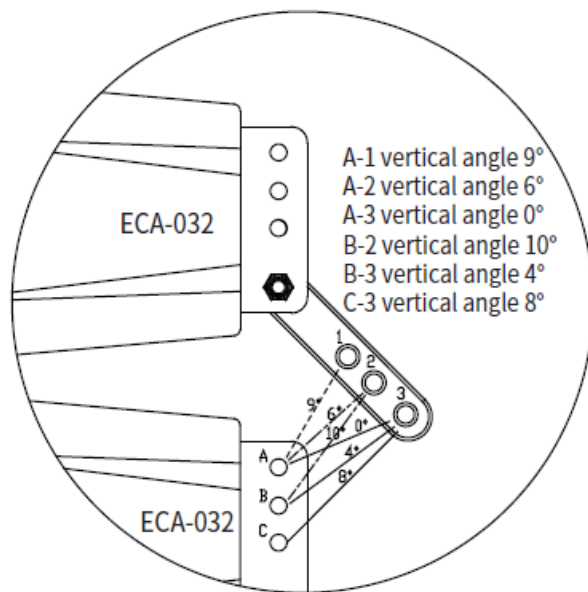


Figure 1

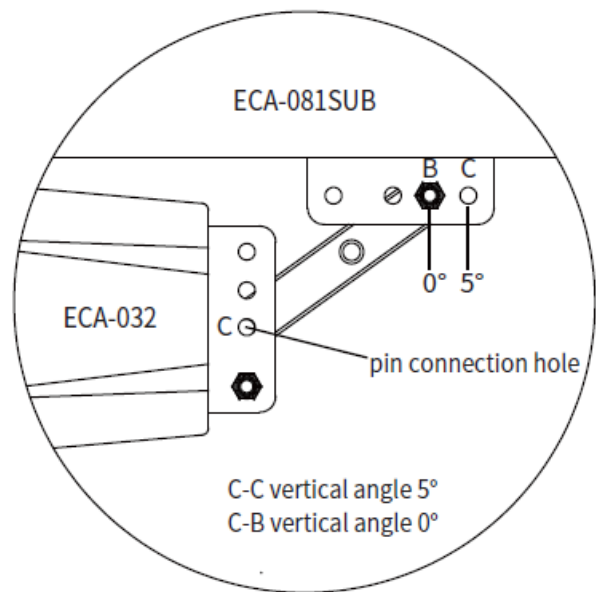


Figure 2

## Application

- Medium or small banquet hall, multifunction hall, large conference room

## Product Content

- ECA-032 speaker cabinet ×2
- User manual×1

## CONTACT

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## Documents / Resources



**[TAKSTAR ECA-032 Line Array Full Range Speaker Cabinet](#)** [pdf] Owner's Manual  
 ECA-081SUB, ECA-032 Line Array Full Range Speaker Cabinet, ECA-032, Line Array Full Range Speaker Cabinet, Array Full Range Speaker Cabinet, Full Range Speaker Cabinet, Range Speaker Cabinet, Speaker Cabinet, Cabinet

## References

-  -
- [User Manual](#)

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