

# TAKSTAR®

It is our assignment to guarantee a comfortable audio experience and  
at the same time provide creative solutions for users all around the world.

## TAKSTAR®

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· Specifications are subject to change without prior notice.



# TAKSTAR®

## AUDIO SYSTEM

2021-2022





# COMPANY INTRODUCTION

Established in 1995, Takstar is a leading manufacturer in the electro-acoustic industry. The company devotes itself to providing you with the best possible audio processing solutions.

Our product range has since grown into a diverse array of professional microphones, headphone sets, voice amplifiers and integrated applications. This way, we help the user fulfill their dream of enjoying high-quality entertainment and become their trustworthy partner for innovative technology and top-level products. Being of international reputation and market influence, we combine R&D, design, manufacturing, sales and service on our mission to assure continuous development of the industry.

Takstar's production base boasts up to 210,000 sq. meters with 2,500 employees, complete processing workshops and highly advanced equipment.



Takstar Industrial Park covers an area of 30,000m<sup>2</sup>.



# OUR TOP PRIORITY

It is our assignment to guarantee a comfortable audio experience and at the same time provide creative solutions for users all around the world.

# COMPANY CHALLENGES

Innovation    Procedural Optimization    Strict Quality Control    Satisfy Customers



Takstar Innovation Park covers an area of 180,000m<sup>2</sup>.





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Reputation Certificate





# Workshop Facilities

Takstar's manufacturing base has processing and production capabilities including a central laboratory, a soundproof B&K anechoic chamber, as well as various workshops for SMT, wireless electronics, professional condenser microphones, cartridges, speaker cabs, diecast metal parts, printing and packaging. We make good use of over 10,000 sets of advanced manufacturing and automated production equipment, over 500 sets of advanced testing equipment, a modern ERP system and state-of-the-art quality control.

Right now, our team surpasses a number of 2,500 technicians who serve in each business field and more than 100 top-level R&D engineers. Our products range from microphones of various kinds up to headphone amps, integrated applications and audio systems, all with huge annual production capacities.



Production Line



SMT Workshop



Capsule Dust-Free Workshop



Wave Solder Machine



CNC Horizontal Injection Molding Machine



High-Accuracy CNC Lathe



CNC Horizontal Die-Casting Machine



Full Automatic Ultrasonic Cleaning Line



Dust-Free Automatic Spray-Painting Flow Line



Automatic Pressing Machine



Pad Printer



Laser Marking Machine

# Testing Equipments

Takstar has established strict quality management in accordance to ISO9001:2008. The central laboratory of over 400 sq. meters has 100+ professional QC staff working with advanced testing equipment and utilizing different, highly demanding ways of scientific inspection.

Not only does that cover electro-acoustic testing, but also tests for environmental protection, reliability and electromagnetic interference as well as multiple state-of-the-art anechoic chambers and highly advanced Danish B&K / American AP test systems to guarantee premium-quality audio properties of our products.

Starting with incoming stock material, everything is checked in a strict step-by-step manner by our QC staff: purchase of raw material, component processing, manufacturing, storage and, finally, product delivery.



Anechoic Chamber



B&K Analyzer



Audio Precision



X-Ray Fluorescence Tester



Temperature & Humidity Testing Machine



3D Measuring Instrument



Bluetooth Headset Acoustic Auto-Test System



Bluetooth Headset RF Auto-Test System



Bluetooth Basic Function Test System



Electroacoustic Instrument



High SPL & Self Noise Equipment



Drop Testing Equipment





# Solution



## Solution Connection Diagram



## Recommended Solution Configuration

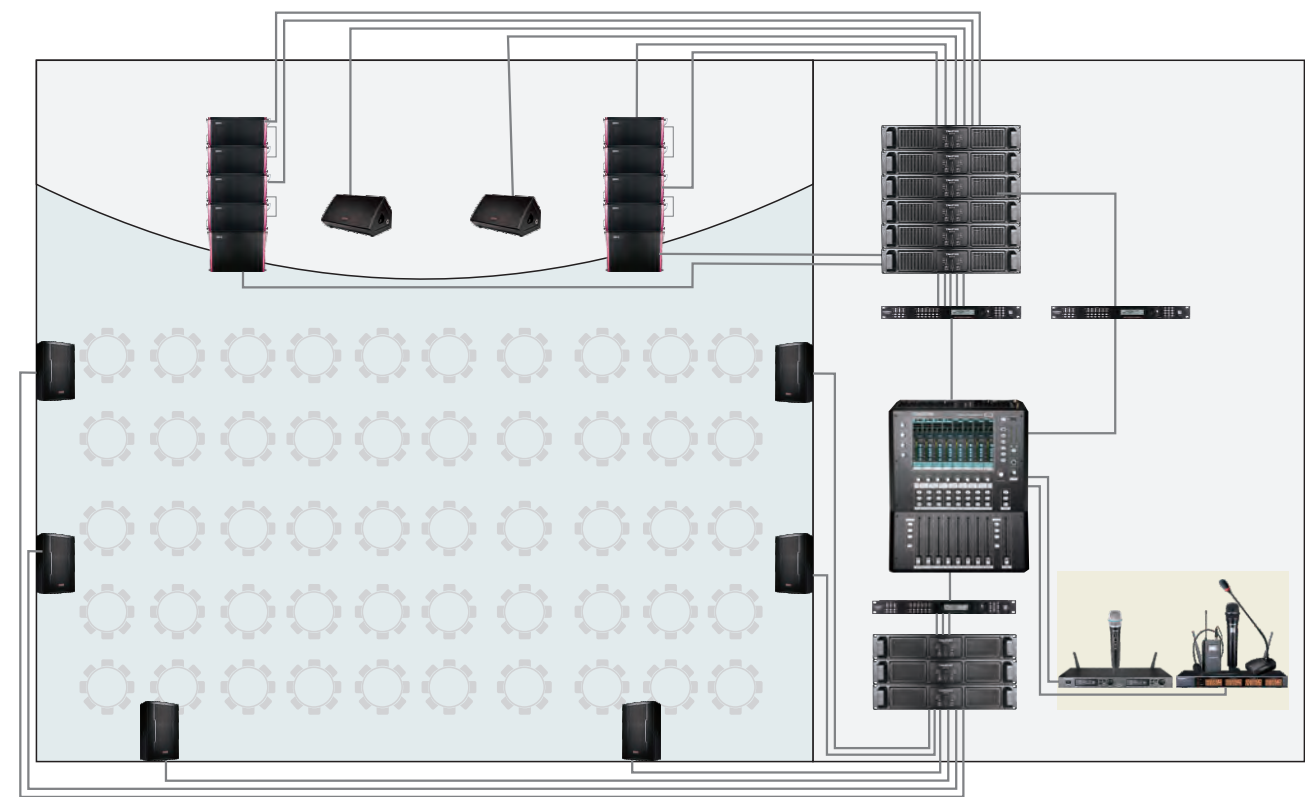
Type	Model
Performance microphone	M-2R
Mixer	XR-26
Antenna system	TS-AD1
Antenna system	TS-AD2
Power sequencer	EPO-082N
Monitor speaker cabinet	ELV-121M

Type	Model
300W 4CH Power amplifier	EKA-403N
300/600W 4CH Power amplifier	EKA-406N
1300W Power amplifier	EKA-13A
Digital audio processor	EKX-306
Full range speaker cabinet	ELA-121
Subwoofer	ELV-182





Solution Connection Diagram



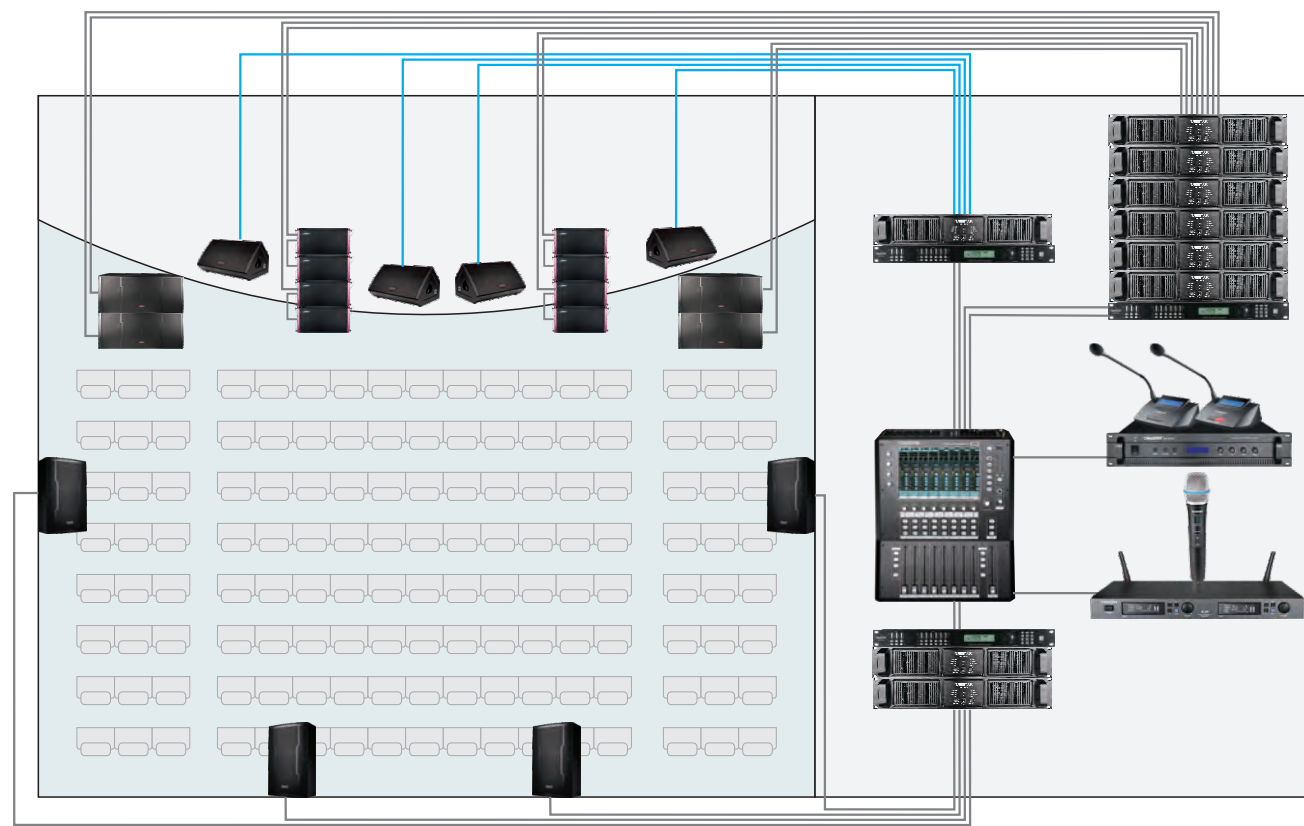
Recommended Solution Configuration

Type	Model
Line array	ELA-082
Line array	ELA-181SUB
300W line array power amplifier	EKA-3N
800W line array power amplifier	EKA-8N
1200W line array subwoofer power amplifier	EKA-12N
Filling 15 inch full range speaker cabinet	ELV-151
Stage border15 inch full range speaker cabinet	ELV-151
Filling 800W power amplifier	EKA-8N

Type	Model
Stage monitoring full ranges speaker cabinet	ELV-121M
Stage monitoring 600W power amplifier	EKA-6N
Digital audio processor	EKX-306
Mixer	XR-26
Wireless microphone	M-2R
Conference microphone	X4



Solution Connection Diagram



Recommended Solution Configuration

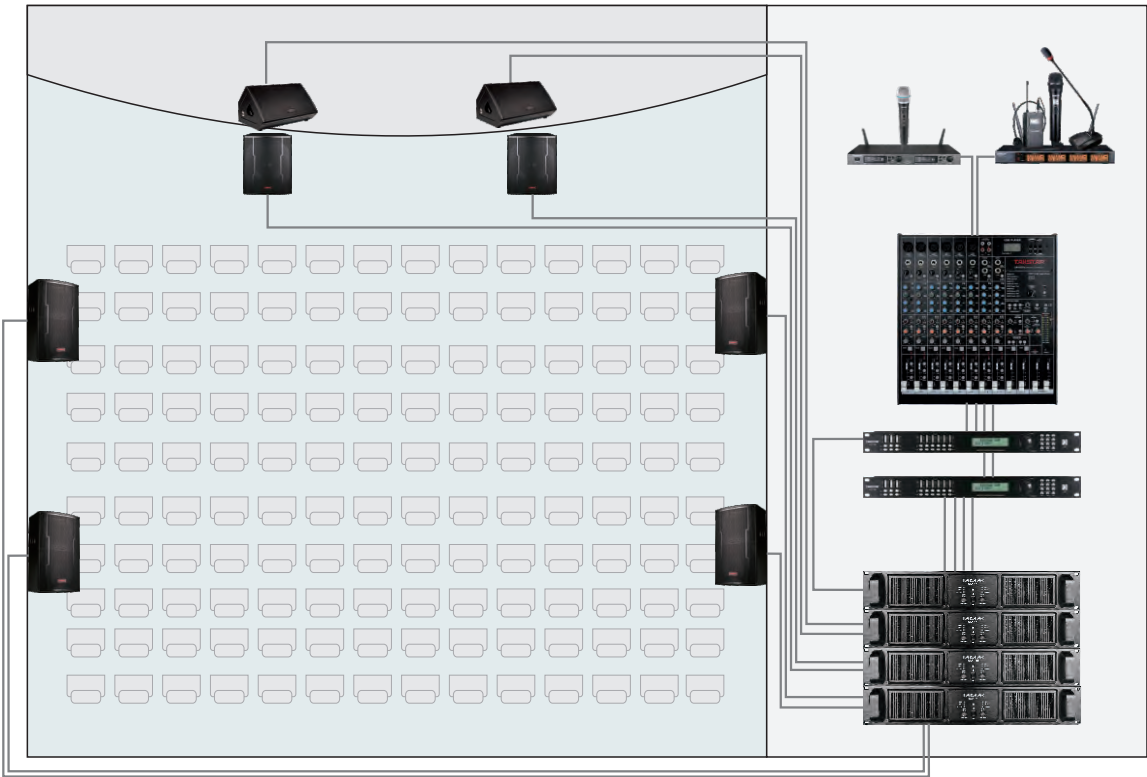
Type	Model
Main speaker cabinet	ELA-121
Aux speaker cabinet	ELV-101
Monitoring speaker cabinet	ELV-121M
Subwoofer	ELV-182
Main speaker HF power amplifier	EKA-3N
Main speaker LF power amplifier	EKA-6N
Aux speaker power amplifier	EKA-6N
Monitoring power amplifier	EKA-6N
Subwoofer power amplifier	EKA-13N

Type	Model
Mixer	XR-26
True diversity wireless microphone	M-2R
Conference system	DG-S100
Digital audio processor	EKX-306





### Solution Connection Diagram



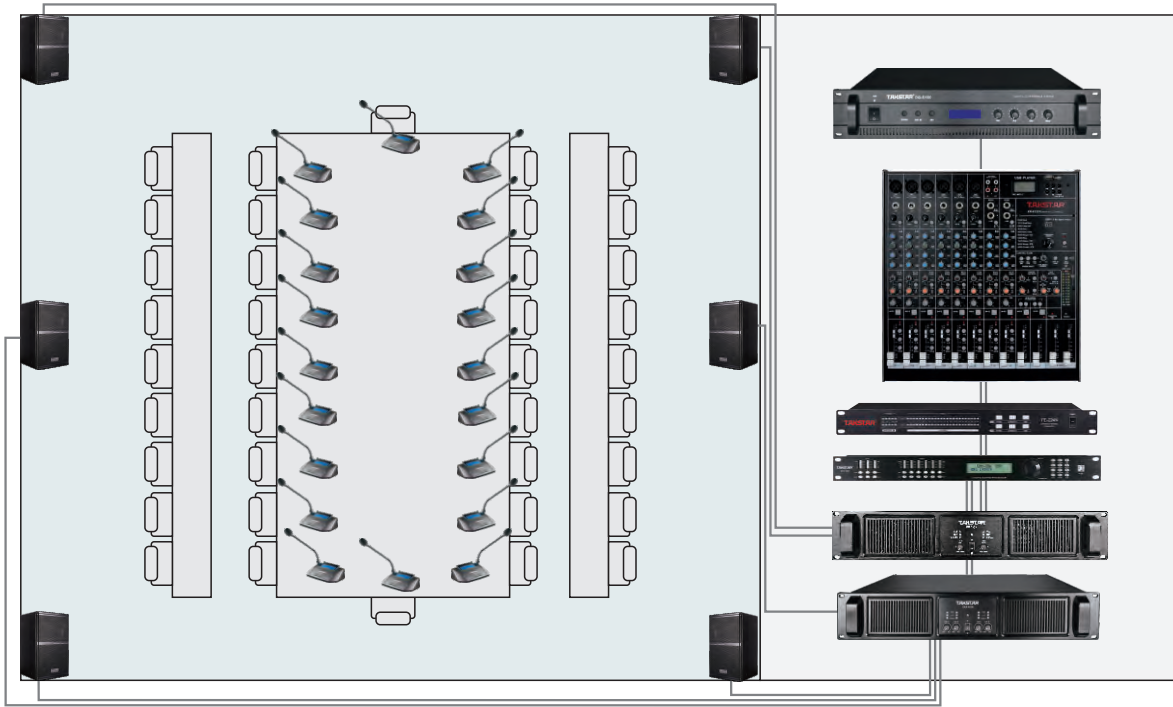
### Recommended Solution Configuration

Type	Model
Subwoofer	ELV-181SUB
12 inch aux speaker cabinet	ELV-121
15 inch main speaker cabinet	ELV-151
Monitoring speaker cabinet	ELV-121M
600W power amplifier	ELV-6N
800W power amplifier	ELV-8N

Type	Model
1300W power amplifier	ELV-13N
Digital audio processor	EKX-306
Mixer	XR-612FX
Conference microphone	X4
Wireless microphone	M-2R



### Solution Connection Diagram



### Recommended Solution Configuration

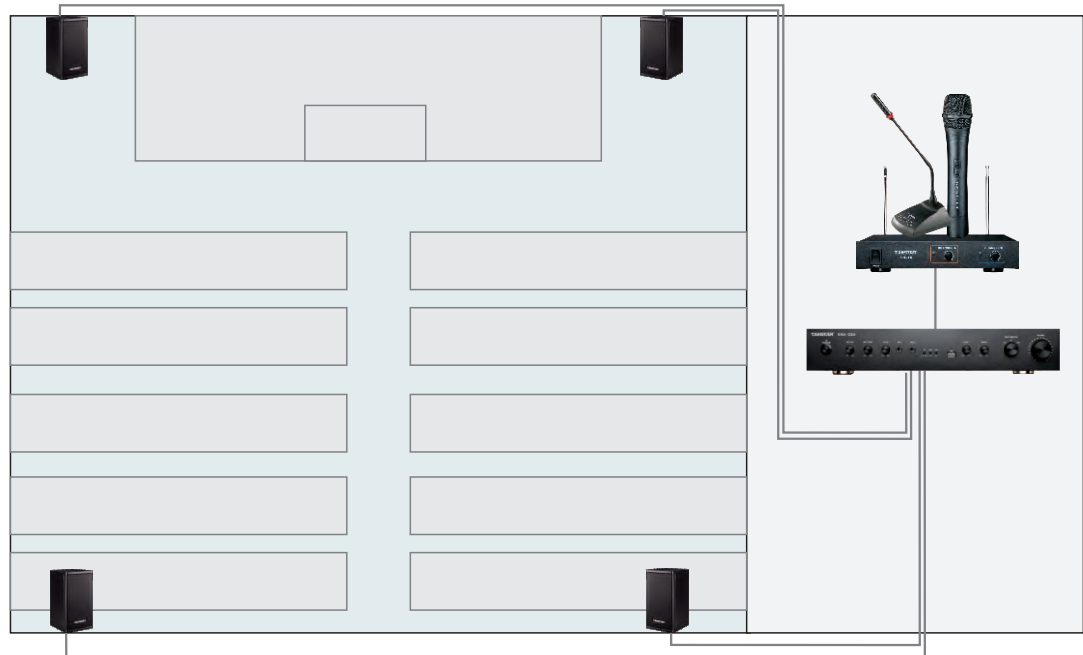
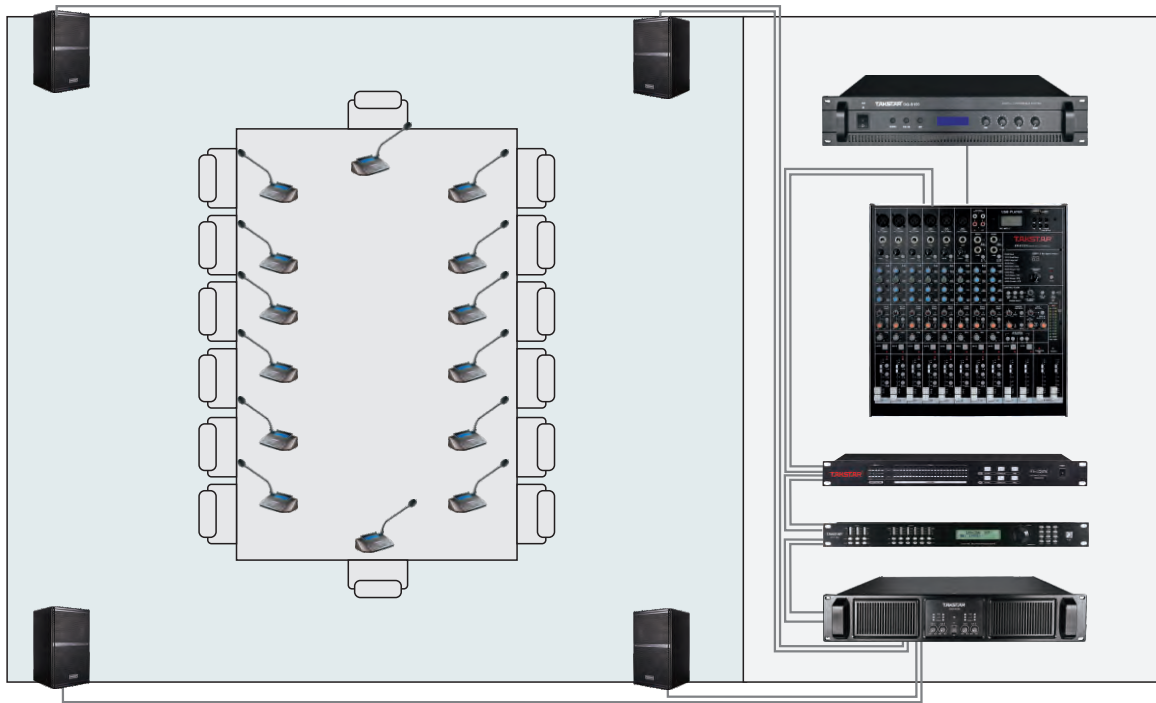
Type	Model
10 inch main speaker cabinet	EKS-101
8 inch aux speaker cabinet	EKS-081
300W 4CH power amplifier	EKA-403N
600W power amplifier	EKA-6N
Feedback suppressor	FE-224N
Mixer	XR-612FX
Conference System	DG-S100
Digital audio processor	EKX-306





Solution Connection Diagram

Solution Connection Diagram



Recommended Solution Configuration

Recommended Solution Configuration

Application	Type	Model
■ Medium Conference	8 inch main speaker cabinet	EKS-081
	300W 4CH power amplifier	EKA-403N
	Feedback suppressor	FE-224N
	Equalizer	EQ 3102
	Mixer	XR-612FX
	Conference system	DG-S100

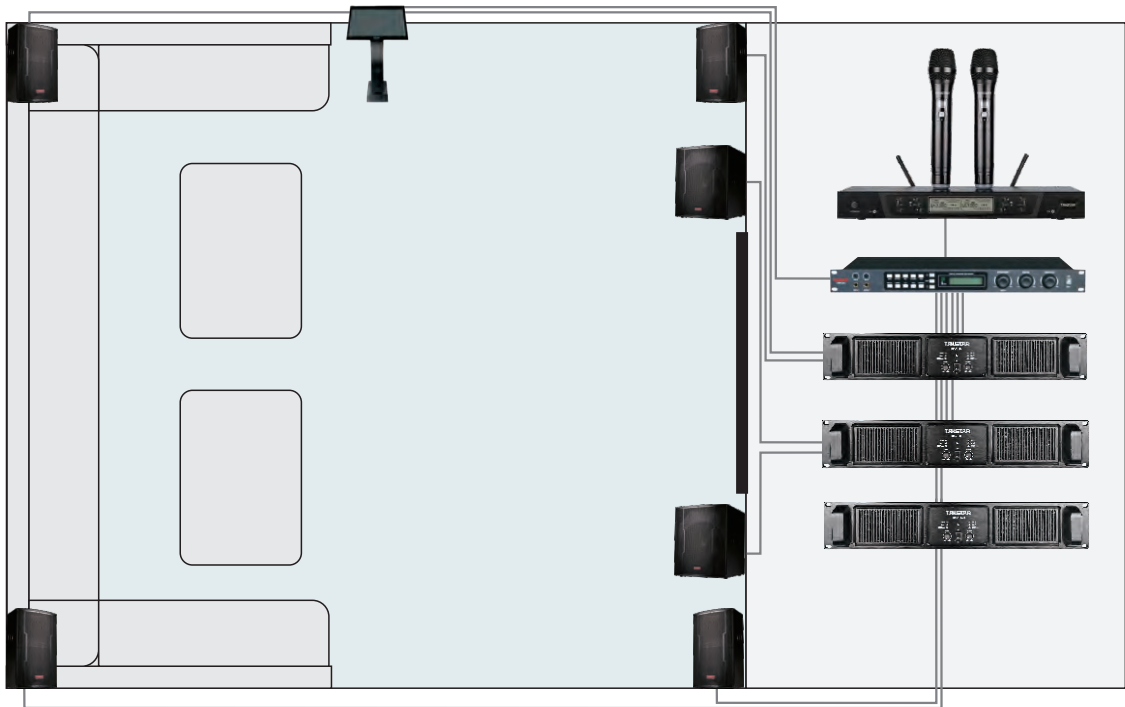
Application	Type	Model
■ Small Conference	8 inch speaker cabinet	EKS-081
	300W power amplifier	EKA-3A
	Equalizer	EQ 3102
	Hub	FE-601
	Conference microphone	MS400-1
	12CH mixer	XR-612FX

Application	Type	Model
■ Electrified Education Room	Main speaker cabinet	EKS-032
	Filling speaker cabinet	EKS-031
	Electrified power amplifier	EKA-D3A
	Wireless microphone receiver	TC-2R
	Wireless handheld microphone	TC-TD
	Wireless bodypack microphone	TC-TL





Solution Connection Diagram



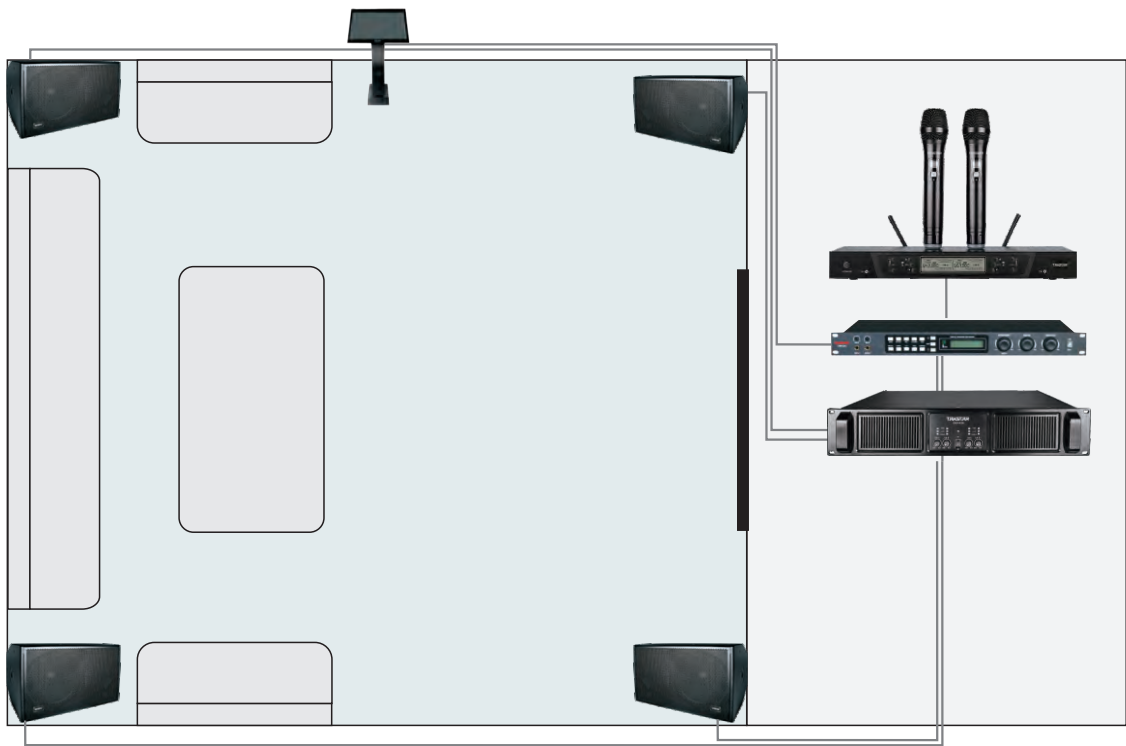
Recommended Solution Configuration

Application	Type	Model
VIP luxury Room (50-70m²)	18 inch subwoofer	ELV-181SUB
	1300W Power amplifier	EKA-13N
	15 inch Main speaker cabinet	ELV-151
	800W Power amplifier	EKA-8N
	12 inch aux speaker cabinet	ELV-121
	600W Power amplifier	EKA-6N
	Pre-effector	EKX-4A
	Wireless microphone	G5
KTV Small Room (approx.20m²)	10 inch speaker cabinet	EKV-101
	600W Power amplifier	EKA-3N
	Pre-effector	EKX-4A
	Wireless microphone	G5

Application	Type	Model
KTV Medium Room (approx. 30m²)	main speaker cabinet	EKV-121
	10 inch aux speaker cabinet	EKV-101
	Pre-effector	EKX-4A
	Power amplifier	EKA-406N
	Wireless microphone	G5
KTV Large Room (approx.50m²)	Main speaker cabinet	EKV-151
	Power amplifier	EKA-8N
	12 inch aux speaker cabinet	EKV-121
	Power amplifier	EKA-6N
	Pre-effector	EKX-4A
	Wireless microphone	G5



Solution Connection Diagram



Recommended Solution Configuration

Application	Type	Model
Villa Luxury Application	Main speaker cabinet	EKV-121
	Aux speaker cabinet	EKV-101
	Pre-effector	EKX-4A
	4CH power amplifier	EKA-406N
	Wireless microphone	G5
Economical Home Application	Full range speaker cabinet	EKV-101
	200W power amplifier	EKAX-1A
	Wireless microphone	TS-6720

Application	Type	Model
High Class Home Application	Full range speaker cabinet	EKV-101
	300W power amplifier	EKA-3A
	Pre-effector	EKX-4A
	Microphone	G5



# EKC Cinema/Karaoke Audio System



## EKC Cinema/Karaoke Audio System

### Features

- The audio solution for 5.1 home cinema and Karaoke consists of Karaoke system, front speaker cabinet, middle speaker cabinet, surround speaker cabinet and active subwoofer. This solution features powerful function, stable performance, wonderful sound for cinema and Karaoke applications, multiple input connectors to link with multiple audio equipments, one button to switch cinema and Karaoke, built-in multi-band parametric EQ for adjustment, preset scenes, free remote control, easy connection and convenient installation and adjustment

### Application

- Home, cinema, multimedia conference room

### Specification

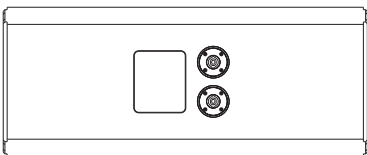
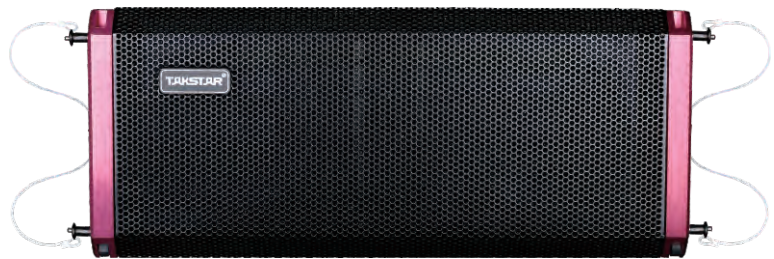
#### EKC-7HD (Cinema/Karaoke Combo Unit)

- Channel: 5
- S/N Ratio:  $\geq 95\text{dB}$
- Frequency Response: 20Hz-60KHz (+1/-3dB)
- THD:  $\leq 0.08\%$ @1KHz
- Input Sensitivity: 1Vrms
- CH Output Power:  $\geq 125\text{W}$  (8 $\Omega$ , THD=1%,1KHz)
- Power Consumption:  $\leq 750\text{W}$ (8 $\Omega$ )
- Power Supply: AC 220V, 50Hz
- Digital Input Sample Rate: 32K~92K
- Housing: Al alloy
- Net Weight: 12Kg
- Dimension: 482×152×350mm (W×H×D)

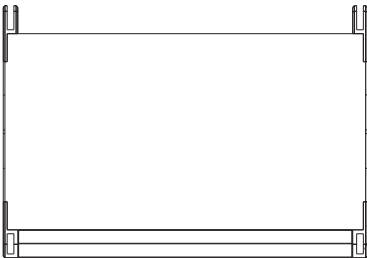
Model	EKC-3TH (Full Range Speaker Cabinet)			EKC-6SW
Speaker Cabinet	Mid Speaker Cabinet	Front Speaker Cabinet	Surround Speaker Cabinet	Active Subwoofer
Rated Power	80W(AES)	80W(AES)	60W(AES)	240W(AES)
Rated Impedance	16 $\Omega$	16 $\Omega$	16 $\Omega$	
Frequency Response(-10dB)	100Hz-20KHz	100Hz-20KHz	100Hz-18KHz	30Hz-250Hz
Sensitivity(1W/1m)	94dB	92dB	92dB	
Directivity	H70°×V 90°	H90°×V 75°	H100°×V 85°	
Input Level				$\leq 700\text{mv}$ RMS
S/N Ratio				$\geq 80\text{dB}$ (A-weighted)
Power Supply				AC220V/50Hz
Power Consumption				$\leq 200\text{W}$
Wiring	binding posts, wiring (red+, black-)			
Enclosure	9mm MDF			15mm MDF
Unit	LF:3"20mm MFLF×2 HF:25mm silk diaphragm HF×2	LF:3"20 mm MFLF×2 HF:25 mm silk diaphragm HF×2	3"full range speaker×2	6.5"× 1 (30mm) 100 magnet
Finish	black painting			
Dimension (W*D*H)	446 x 125 x 111mm	111 x 125 x 308mm	111 x 125 x 230mm	290 x 280 x 310mm
Net Weight(Kg)	3.5	2.7	1.9	12



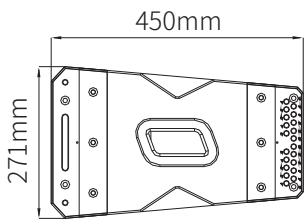
# Line Array Series



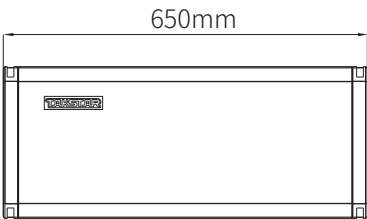
Rear View



Top View



Side View



Front View

Optional Color: 

## ELA-082(Full Range Speaker Cabinet)

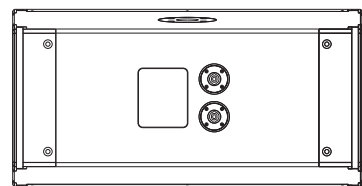
### Features

- Two 8" 50mm voice coil MFLF speakers with refined cone, voice coil and spider which extremely reduce the distortion and ensure the charming tone during high power operation
- CELESTION HF driver, high directivity horn together with the crossover of the processor avoid the tone loss and keep high sensitivity, accurate MF performance and excellent HF resolution
- Heat resistant glass fiber bobbin and heat resitant OFC winding voice coil
- Even slot improves the surround mechanical strength. The damping glue improves the speaker load capacity during high dynamic and high power
- HF unit uses NdFeB magnet, 1" throat and high directivity horn for flat HF response, high penetration and farther transmission

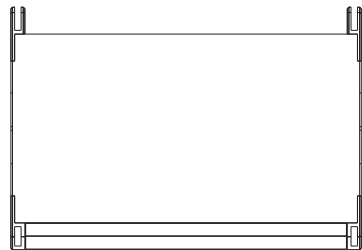
### Specification

MFLF Unit-Speaker	HF Unit-Speaker	Other Specification
• OD: 8"	• OD: 90mm	• Directivity: 90° x 8°
• Voice Coil Dia.: 50mm	• Voice Coil Dia.: 44mm	• Wood: 18mm plywood
• Magnet: ferrite 160mm	• Magnet: NdFeB	• Dimension: 450 x 650 x 270mm(W x D x H)
• Sensitivity: 95dB	• Sensitivity: 110dB	• Connector: 2pcs, IN: MFLF 1+/1-, HF 2+/2-
• Rated Impedance/Power: 8Ω/200W(AES)	• Rated Impedance/Power: 8Ω/80W(AES)	• Cable: 1.5mm <sup>2</sup> 4 core audio cable
• Frequency Response: 73Hz-4KHz	• Frequency Response: 1.2KHz-20KHz	• Weight: approx. 25.9Kg
MFLF Unit-Speaker Cabinet	HF Unit-Speaker Cabinet	
• Quantity: 2pcs	• Quantity: 2pcs	
• Rated/Peak Power: 440W(AES)/1600W(AES)	• Rated/Peak Power: 1600W(AES)/480W(AES)	
• Power Amplifier Matched: 800W x 2, two cabinets parallel	• Power Amplifier Matched: 300W x 2, two cabinets parallel	
• Crossover Range: 80Hz-2300Hz	• Crossover Range: 2300Hz-17000Hz	
• Filter: HPF Bwt24, LPF Lk/R24	• Filter: HPF Lk/R24, LPF Lk/R24	
• Impedance: 16Ω(two woofer series)	• Impedance: 16Ω two tweeters series	

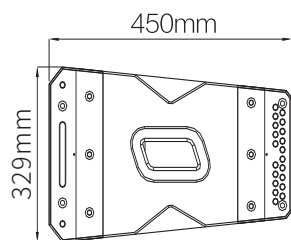




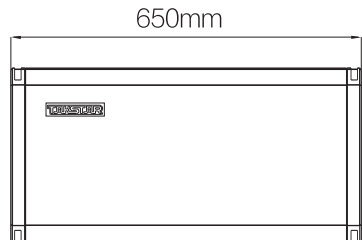
Rear View



Top View



Side View



Front View

Optional Color: 

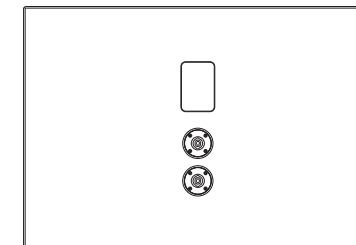
## ELA-121(Full Range Speaker Cabinet)

### Features

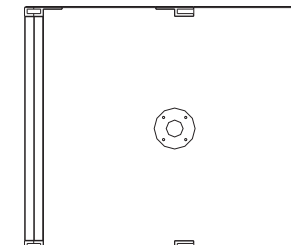
- Refined HF & MFLF speakers
- 12" MFLF unit uses 75mm voice coil and NdFeB magnet for light weight, high sensitivity, low distortion, wide frequency response and charming tone
- Parallel magnet loop of HF speaker for better heat dissipation and sufficient magnetic flux
- Polymer HF diaphragm for soft HF performance
- Wide and deep BMC horn sufficiently amplifies the HF sound pressure, extends the transmission distance and controls the directivity
- Speaker system and crossover avoid the tone loss and keep high sensitivity, accurate MF performance and HF resolution

### Specification

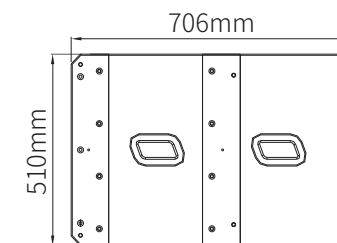
MFLF Unit-Speaker	HF Unit-Speaker	Other Specifications
• OD: 12"	• OD: 123mm	• Directivity: 100° x 8°
• Voice Coil Dia.: 75mm	• Voice Coil Dia.: 65mm	• Enclosure: 18mm plywood
• Magnet: NdFeB	• Magnet: NdFeB	• Dimension: 450 x 650 x 329mm(W x D x H)
• Sensitivity: 98dB	• Sensitivity: 109dB	• Connector: 2 pcs, IN: MFLF 1+/1-, HF 2+/2-
• Rated Impedance: 8Ω	• Rated Impedance: 8Ω	• Cable: 4 core audio cable
• Frequency Response: 73Hz-4KHz	• Frequency Response: 0.7KHz-18KHz	• Weight: approx. 27.8 Kg
MFLF Unit-Speaker Cabinet	HF Unit-Speaker Cabinet	
• Quantity: 1pc	• Quantity: 1 pc	
• Rated Power: 600W(AES)	• Rated Power: 150W(AES)	
• Power Amplifier Matched: 800W x 2, two speaker cabinets parallel	• Power Amplifier Matched: 300W x 2, two speaker cabinets parallel	
• Crossover Range: 50Hz-1700Hz	• Crossover Range: 1700Hz-18000Hz	
• Filter: HPF BW-24, LPF BW-48	• Filter: HPF Lk-24, LPF Lk-24	



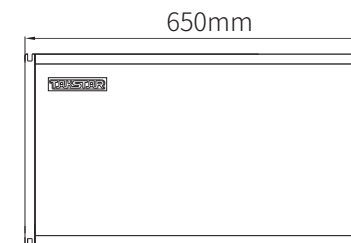
Rear View



Top View



Side View



Front View

Optional Color: 

## ELA-181(Subwoofer)

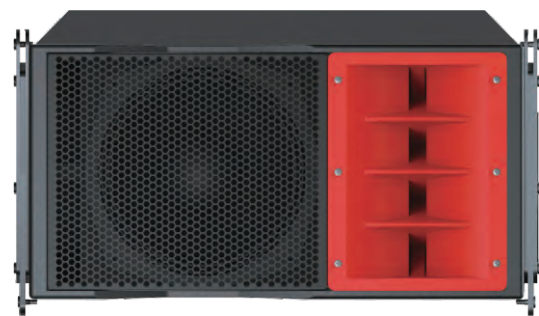
### Features

- The suspension part of ELA-181SUB matches with that of the vertical dimension of ELA-082/ELA-121 full range speaker cabinet and can be connected together. When more quantity is needed, ELA-082/ELA-121 and ELA-181SUB can also be suspended in one line independently, e.g. ELA-082/ELA-121 one line, 4 ELA-181SUB one line for stage left channel, and the same way for the right channel
- Refined 18 inch cone sub unit, aeronautic magnet; The vented design and the open chamber achieve horn effect. The vented bass audio wave overlaps with the speaker positive audio wave and come out after being compressed in the front chamber to improve the bass transmission energy, sound pressure and bass strength

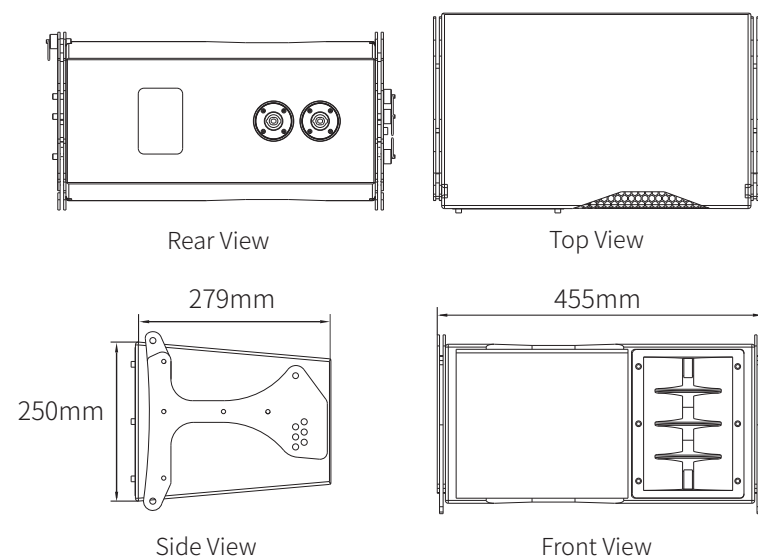
### Specification

• OD: 18 inch	• Speaker Impedance: 8Ω
• Voice Coil Dia.: 100mm	• Directivity: no
• Magnet: ferrite 220mm	• Power Amp Matched: 1300W x 2 paralleled
• Sensitivity: 99dB	• Crossover Range: 25Hz-100Hz
• Rated Power: 1300W(AES)	• Filter: HPF Bwt24, LPF Bwt24
• Peak Power: 4800W(AES)	• Enclosure: 25+18mm plywood
• Rated Impedance: 8Ω	• Dimension: 706 x 650 x 510mm(W x D x H)
• DC Impedance: 5.6Ω	• Connector: 2pcs, IN: 1+/1-
• Frequency Response: 34Hz-2.5KHz	• Cable: 1.5mm <sup>2</sup> 2 core audio cable
• Quantity: 1pc	• Weight: approx. 55.7Kg





Optional Color:  



## ESA-081(Full Range Speaker Cabinet)

### Features

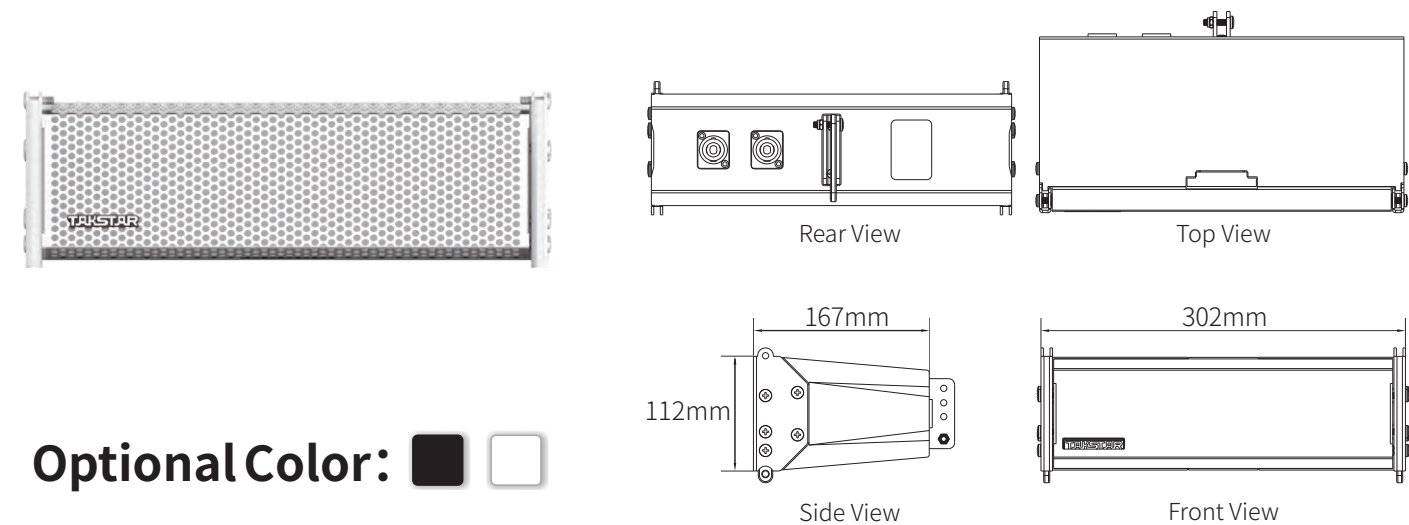
- 1x1.75" HF+1x8" LF
- Tailored sound reflection horn
- Mirror reflection effectively reduces line array frequency offset
- 90° horizontally accurate coverage
- Speaker cabinet quantity freely adjusted
- Accurate PC simulation crossover network ensures reliability

### Application

- Restaurant, small show, banquet hall, multifunction hall, large conference room

### Specification

- Rated Power: 300W(AES)
- Rated Impedance: 8Ω
- Frequency Response(±3dB): 75Hz-20kHz
- Sensitivity(1W/1M): 96dB
- Coverage: H120°×V10°
- Max SPL: 117dB
- Crossover Mode: two way passive
- Crossover Frequency: 1600Hz
- Suspension/Installation: flying installation, vertically -4°-0°-10° adjustable
- Connector: 2×NL4speakon(IN1+, 1-, LINK1+, 1-)
- Enclosure: 15mm plywood
- Finish: black painting
- Tweeter: 1×1.75"(44mm), Nd magnet
- Woofer: 1×8"(51mm), Nd magnet
- Dimension(mm): 455×279×250mm(W×D×H)



Optional Color:  

## ECA-032(Full Range Speaker Cabinet)

### 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 are connected via Al 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

### Application

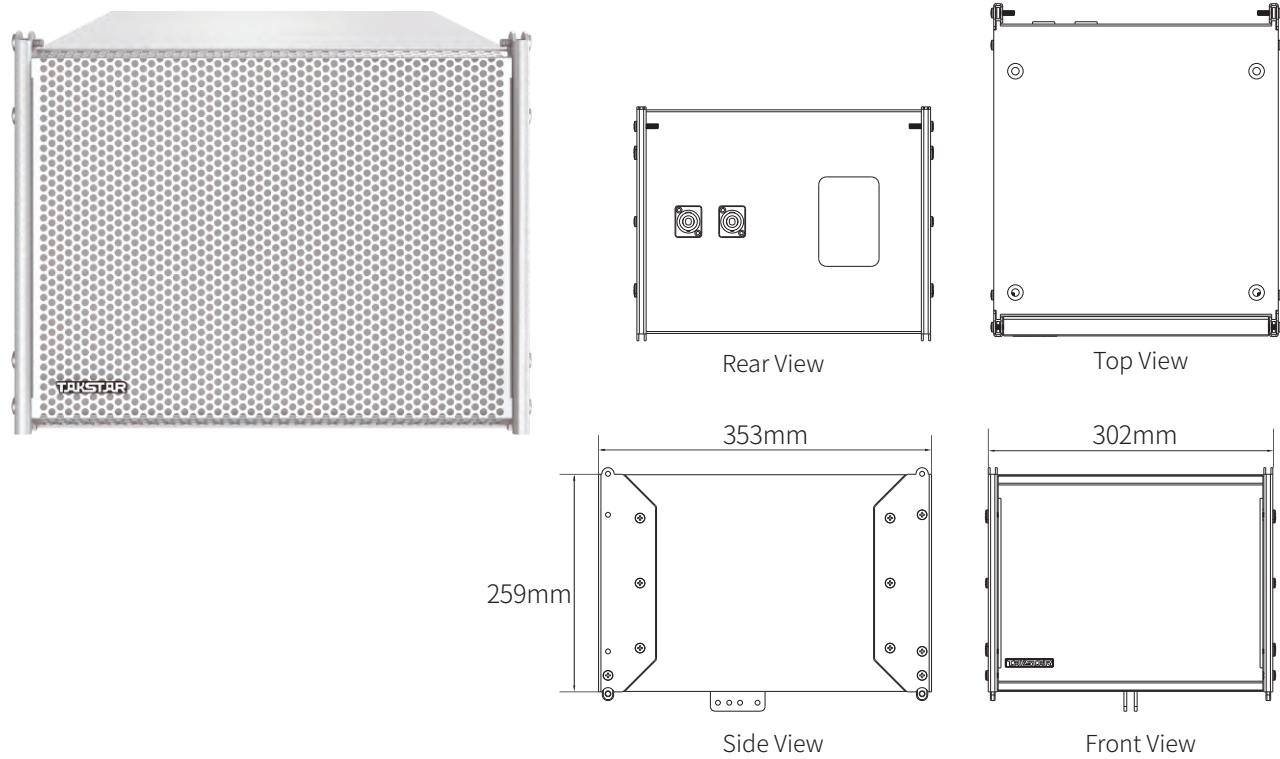
- Medium or small banquet hall, multifunction hall, large conference room

### Specification

- Rated Power: 80W(AES)
- 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 plyboard
- Finish: white painting
- Tweeter: 1"×2 (25mm) , silk dome
- Woofer: 3"×2 (20mm) , 70 magnet
- Dimension (mm) : 302×167×112mm (W×D×H)







### ECA-081SUB(Subwoofer)

#### Features

- The line array subwoofer is designed with 8 inch 35mm cone woofer. The speaker features durable cloth surround for powerful bass, and symmetric magnet for low harmonic distortion, and long stroke voice coil for high electro-acoustic energy conversion efficiency
- Vented enclosure and accurate acoustic simulation design ensure high bass efficiency. The compact enclosure are connected via AI pieces. The speaker cabinet quantity can be adjusted according to the actual installation requirement
- Convenient installation, connected with ECA-032 full range speaker cabinets easily

#### Application

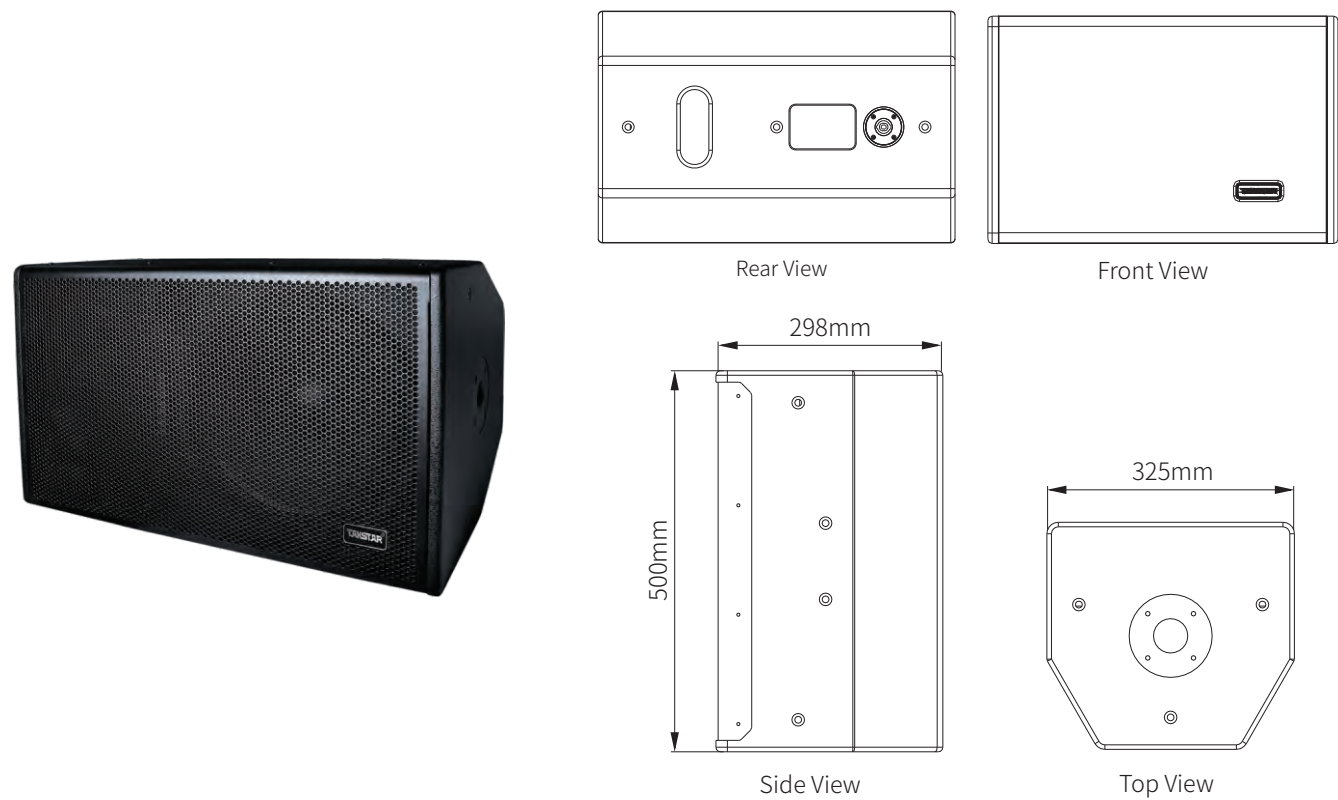
- Medium or small banquet hall, multifunction hall, large conference room

#### Specification

- Rated Power: 200W(AES)
- Rated Impedance: 8Ω
- Frequency Response (±3dB) : 60Hz-1kHz
- Sensitivity (1W/1M) : 92dB
- Max SPL: 112dB
- Crossover Frequency: 125Hz
- Filter: HP Bwt24, LP Bwt24
- Suspension/Installation: flying suspension
- Wiring: 2×NL4speakon (IN1+,1-;LINK1+,1-)
- Enclosure: 15mm plyboard
- Finish: white painting
- Subwoofer: 8"×1 (35mm) , 110 magnet
- Dimension (mm) : 302×353×259mm (W×D×H)

## EKV Speaker Cabinet Series





EKV-101(Full Range Speaker Cabinet)

Features

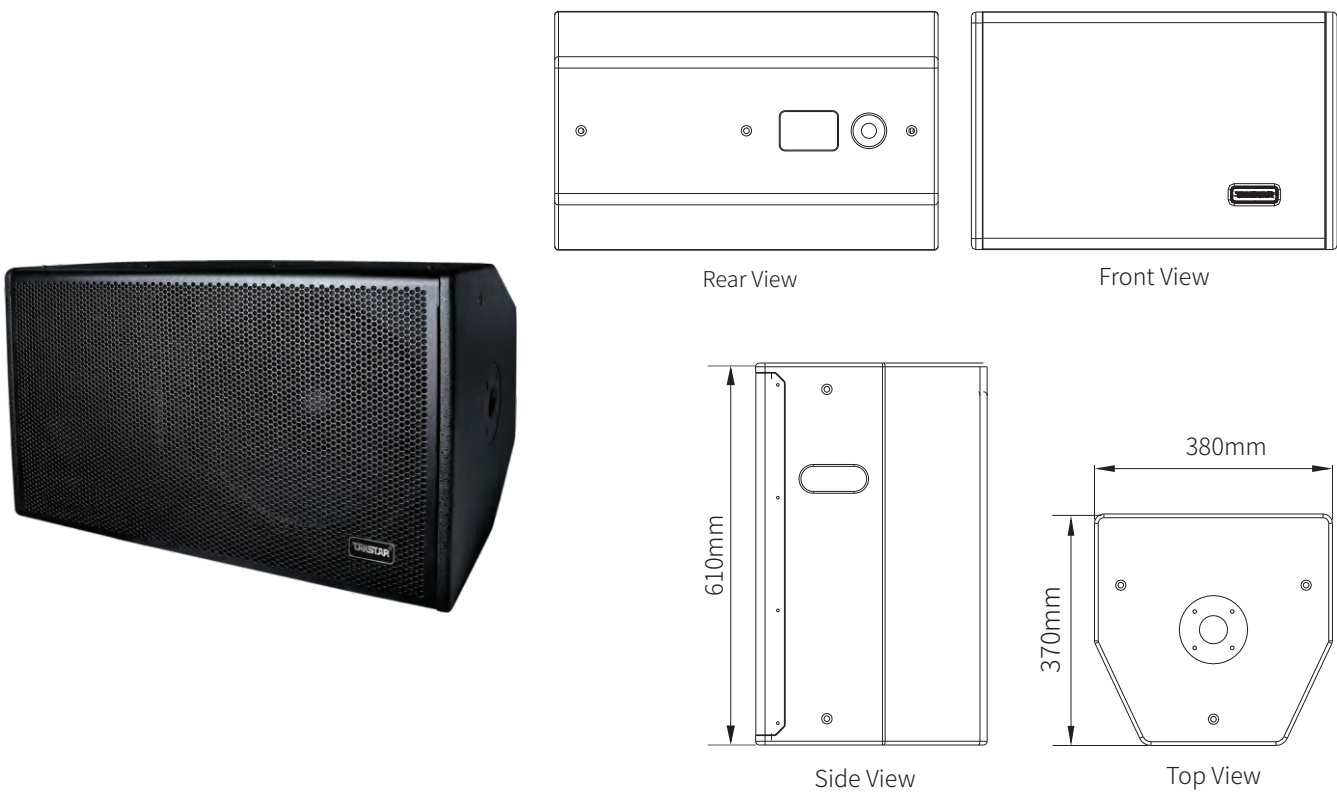
- EKV-101 consists one 10 inch 65mm voice coil woofer and one 36mm ferrite magnet steel HF with high polymer diaphragm, soft and delicate tone
- The speaker cabinet endures wide dynamic power and keep stable performance for long time music playing
- Glass fiber acoustic foam is used inside the cabinet to decrease the standing wave and increase the bass softness
- The crossover uses MPT capacitor to extend the MF effect

Application

- KTV, bar

Specification

• Rated Power: 400W(AES)	• Suspension/Installation: vertical or horizontal
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speakon (IN1+, 1-, LINK2+, 2-)
• Frequency Response: 65Hz-19KHz (±3dB)	• Enclosure: 15mm plywood
• Sensitivity: 94dB	• Finish: black painting
• Coverage: H80° x V60°	• HF: 1.4" x 1(36mm, 25mm throat)90 magnet steel
• Max SPL: 117dB	• LF: 10" x 1(65mm), 156 magnet steel
• Crossover: two way passive	• Dimension(mm): 325 x 298 x 500(W x D x H)
• Crossover Frequency: 2300Hz	• Weight:Approx. 15.1kg



EKV-121(Full Range Speaker Cabinet)

Features

- 12 inch 65mm cone woofer features soft bass and clear tone layers
- MgAl diaphragm 44mm ferrite magnet tweeter, up to 90 x 90 degree horn directivity
- PP horn and tweeter together achieve soft and delicate HF tone
- The speaker cabinet endures wide dynamic power and keep stable performance for long time music playing
- Glass fiber acoustic foam is used inside the cabinet to decrease the standing wave and increase the bass softness
- The crossover uses MPT capacitor to extend the MF effect

Application

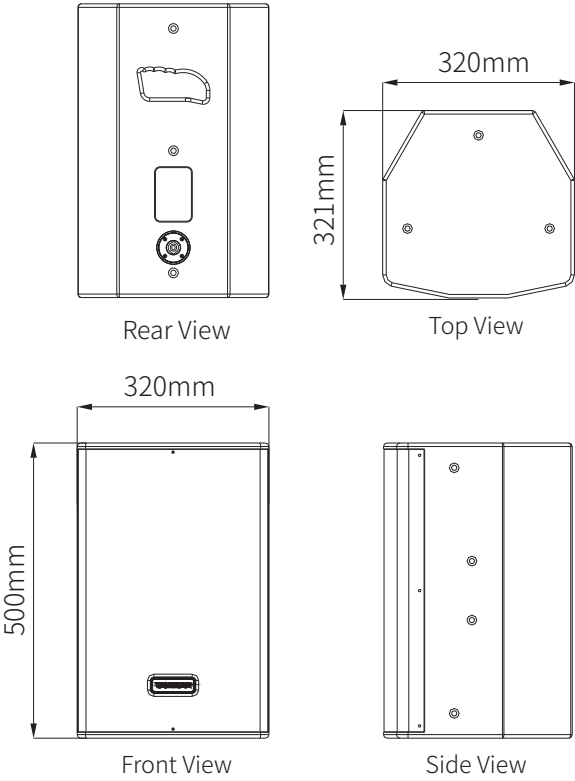
- KTV, bar

Specification

• Rated Power: 600W(AES)	• Suspension/Installation: vertical or horizontal
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speakon(IN1+,1-, LINK2+, 2-)
• Frequency Response: 40Hz-19KHz(±3dB)	• Enclosure: 15 + 18mm plywood
• Sensitivity: 96dB	• Finish: black painting
• Coverage: H90° x V90°	• HF: 1.75" x 1(44mm, 26mm throat)110 magnet
• SPL: 121dB	• LF: 12" x 1(65mm), 170 magnet steel
• Crossover: two way passive	• Dimension(mm): 370 x 380 x 610(W x D x H)
• Crossover Frequency: 2000Hz	• Weight:Approx. 20.5kg



# ELV Pro Speaker Cabinet Series



## ELV-101(Full Range Speaker Cabinet)

### Features

- This 10 inch full range professional speaker (with one 34mm HF) uses refined cone, voice coil and spider
- CELESTION HF driver for high sensitivity, rich bass, wide vocal, charming and clear MFHF to suit for Karaoke application
- The unit structure consists of one 10 inch 65mm voice coil cone woofer and one 34mm ferrite magnet tweeter. The woofer uses 65mm CCA winding voice coil which is made of refractory glass fiber bobbin for high sensitivity and reliable performance
- Adopts symmetric magnet design to reduce the second harmonic distortion
- HF unit uses one inch compressed throat and PVC horn offering better damping factor and flat delicate treble
- The crossover uses extremely low consumption OFC inductor, high quality capacitor, Al housing resistor and heat sink to assure the crossover network stability
- Trapezoidal enclosure eliminates the standing wave inside and improves the bass pureness

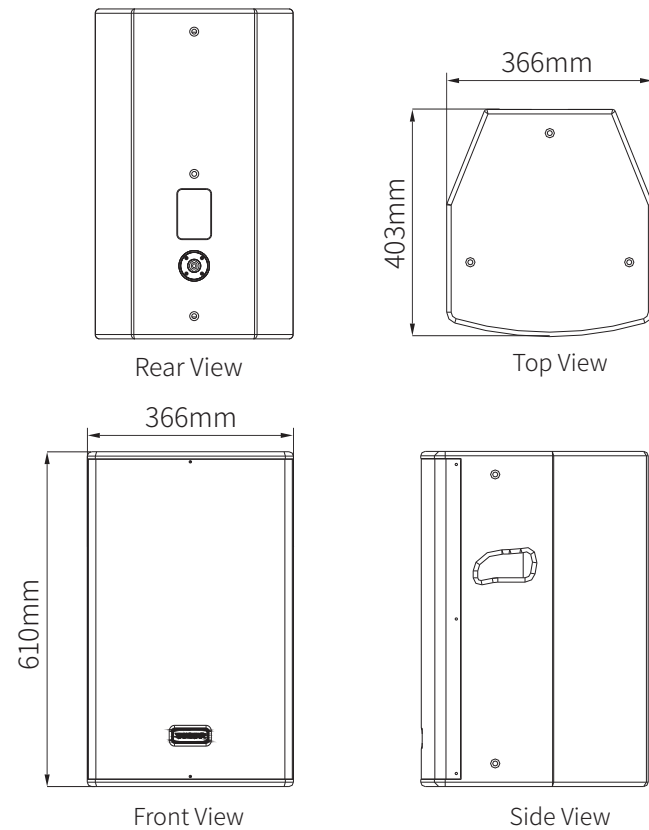
### Application

- Luxury KTV, conference room, multifunctional hall

### Specification

• Rated Power: 500W(AES)	• Crossover Frequency: 2200Hz
• Peak Power: 2000W(AES)	• Suspension/Installation: horizontal or vertical
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector(IN 1+, 1-, LINK 2+, 2-)
• DC Impedance: 7Ω	• Enclosure: 15mm plywood
• Frequency Response: 62Hz-20KHz(±3dB)	• Finish: black painting
• Sensitivity: 94dB	• HF: 1.34" x 1(34mm, 25mm throat)102 magnet
• Coverage: H100° x V 55°	• LF: 10" X 1(65mm), 170 magnet
• Max. SPL: 118dB	• Dimension(mm): 320 x 321 x 500(W x D x H)
• Crossover Mode: 2 way passive	• Weight: approx. 15.8 Kg





## ELV-121(Full Range Speaker Cabinet)

### Features

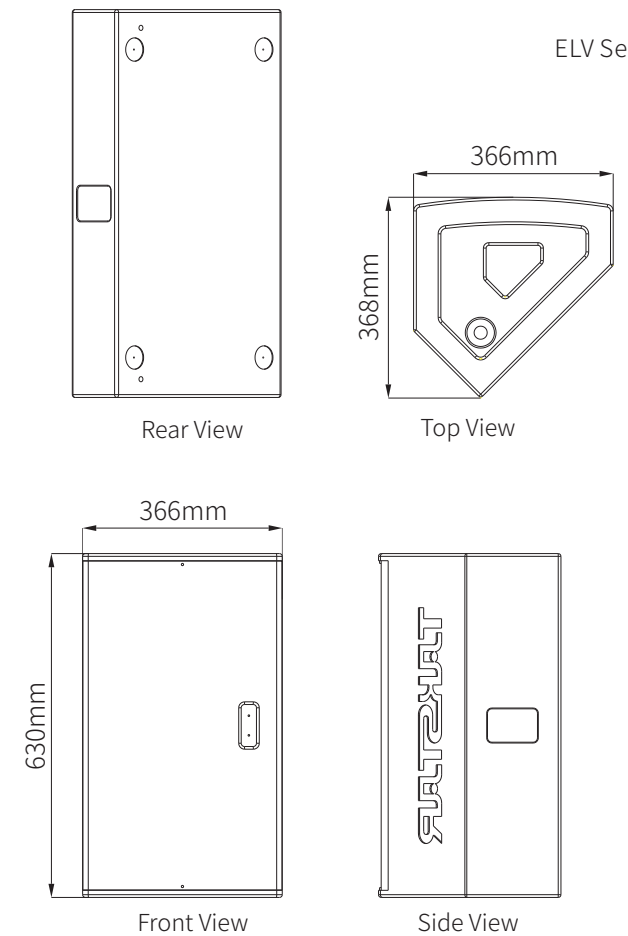
- ELV-121 professional speaker cabinet uses one 12 inch woofer with refined cone/voice coil/spider and one B&C HF driver to offer high sensitivity, rich and powerful bass, clear and charming MFHF
- The unit structure consists of one 12 inch 75mm voice coil cone woofer and one 44mm ferrite magnet HF
- The woofer uses 75mm CCA winding voice coil which is made of refractory glass fiber bobbin for high efficiency and reliable performance and adopts symmetric magnet circuit design to reduce second harmonic distortion
- The HF unit uses 1 inch throat and Al horn to offer flat and delicate treble when amplifying the HF sound pressure
- The Al horn features solid structure, anti-vibration and excellent acoustic features
- The crossover uses extremely low consumption OFC inductor, high quality capacitor, Al housing resistor and heat sink to assure the crossover network stability
- Trapezoidal enclosure eliminates the standing wave inside and improves the bass pureness

### Application

- Disco bar, luxury KTV, conference room, multifunctional hall

### Specification

• Rated Power: 700W(AES)	• Crossover Frequency: 2200Hz
• Peak Power: 2800W(AES)	• Suspension/Installation: horizontal or vertical
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector(IN 1+, 1-, LINK 2+, 2-)
• DC Impedance: 6.8Ω	• Enclosure: 18mm plywood
• Frequency Response: 60Hz-18KHz(±3dB)	• Finish: black painting
• Sensitivity: 96dB	• HF: 1.4" x 1(44mm, 25mm throat)102 magnet
• Coverage: H100° x V 55°	• LF: 12" x 1(75mm), 180 magnet
• Max SPL: 122dB	• Dimension(mm): 366 x 403 x 610(W x D x H)
• Crossover Mode: 2 way passive	• Weight: approx. 24.8 Kg



## ELV-121M(Full Range Speaker Cabinet)

### Features

- The unit structure consists of one 12 inch 75mm voice coil cone woofer and one HF unit(ferrite magnet, 44mm voice coil)
- The woofer uses refractory voice coil for reliable performance, CONEX spider for durable performance and symmetric magnet circuit to extremely reduce the odd-order harmonic distortion
- The HF unit uses 1 inch throat and Al horn for flat treble, bright and delicate penetrating tone when amplifying the HF sound pressure
- Al horn features anti-vibration, solid structure and excellent acoustic features
- The crossover uses extremely low consumption OFC inductor, high quality capacitor, Al housing resistor and heat sink to assure the crossover network stability
- Irregular enclosure ensures the suitable radiation angle and eliminates the standing wave inside and improves the bass pureness

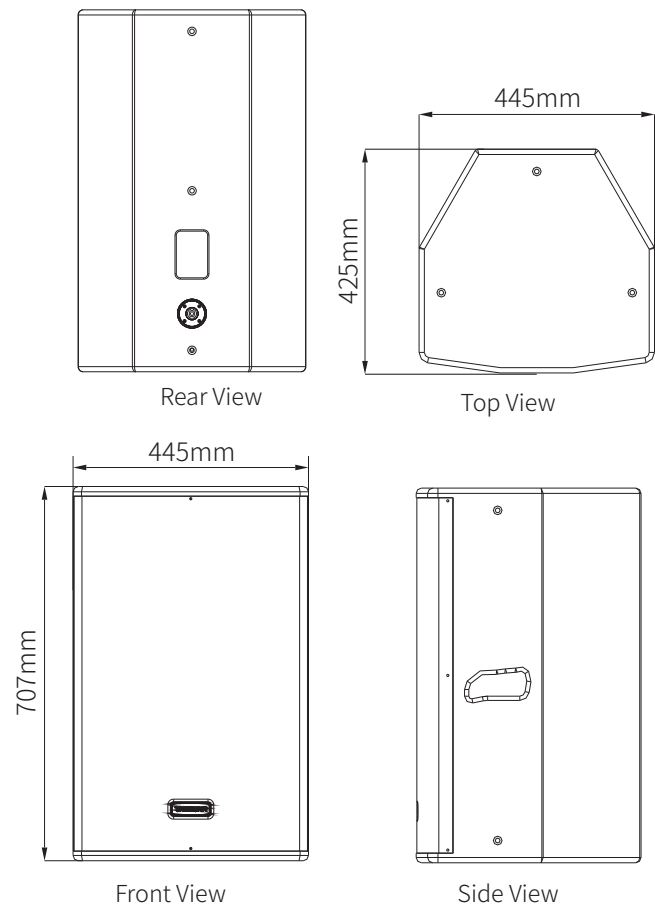
### Application

- Stage monitoring

### Specification

• Rated Noise Power: 600W(AES)	• Crossover Frequency: 2100Hz
• Peak Power: 2400W(AES)	• Connection: 2 x NL4 speaker connector(IN 1+, 1-, LINK 2+, 2-)
• Rated Impedance: 8Ω	• Enclosure: 18mm plywood
• DC Impedance: 6Ω	• Finish: black painting
• Frequency Response: 55Hz-18KHz	• HF: B&C 1.75" x 1(44mm, 25mm throat)120 magnet
• Sensitivity: 96dB	• LF: 12" x 1(75mm), 190 magnet
• Coverage: H100° x V60°	• Dimension(mm): 630 x 368 x 366(W x D x H)
• Max SPL: 122dB	• Installation: toward actors on stage
• Crossover Mode: 2 way passive	• Weight: approx. 21.2 Kg





ELV-151(Full Range Speaker Cabinet)

Features

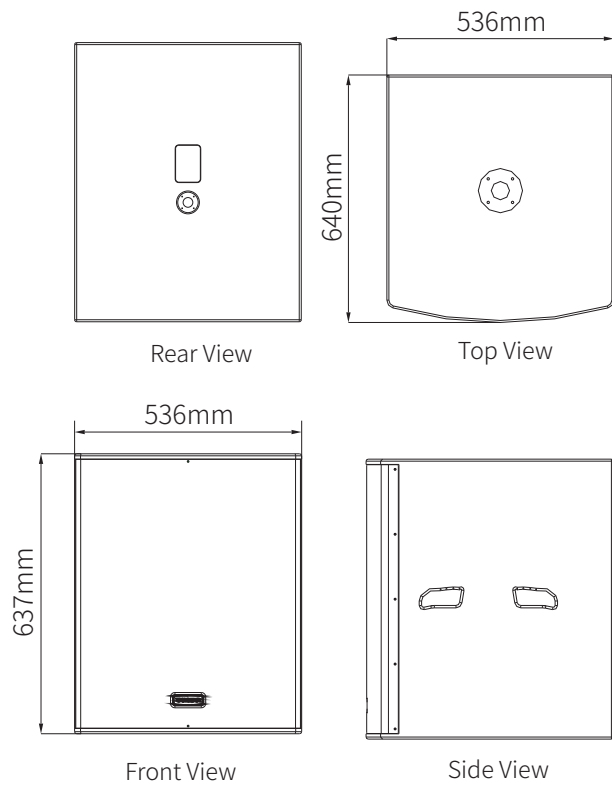
- The unit structure consists of one 15 inch woofer and one B&C HF driver
- The 15 inch woofer uses UKM cone, refractory voice coil and refined spider
- High sensitivity, powerful bass, clear and charming MFHF suits for entertainment applications
- The woofer uses rigid UKM cone to reproduce natural instrument tone, powerful bass, low distortion, vivid, natural and penetrating vocal
- 44mm B&C HF unit features flat & delicate treble and wide MF
- One inch throat and big Al horn offers flat, bright and delicate treble when amplifying the HF sound pressure. The Al horn features solid structure, anti-vibration and excellent acoustic features
- The crossover uses extremely low consumption OFC inductor, high quality capacitor, Al housing resistor and heat sink to assure the crossover network stability
- Trapezoidal enclosure eliminates the standing wave inside and improves the bass pureness

Application

- Disco bar, luxury multifunctional hall, luxury conference hall

Specification

• Rated Power: 900W(AES)	• Crossover Frequency: 2100Hz
• Peak Power: 2800W(AES)	• Suspension/Installation: horizontal or vertical
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector(IN 1+, 1-, LINK 2+, 2-)
• DC Impedance: 6.4Ω	• Enclosure: 18mm plywood
• Frequency Response: 48Hz-18KHz(±3dB)	• Finish: black painting
• Sensitivity: 98dB	• HF: 1.4" x 1(44mm, 25mm throat) 120 magnet
• Coverage: H100° x V 55°	• LF: 15" x 1(75mm), 190 magnet
• Max SPL: 125dB	• Dimension(mm): 425 x 445 x 707(W x D x H)
• Crossover Mode: 2 way passive	• Weight: approx. 24.8Kg



ELV-181(Subwoofer)

Features

- ELV-181SUB uses one 18 inch 220 magnet high quality subwoofer with 100mm refractory voice coil and stiff cone
- Elegant contour, high sensitivity and rich powerful bass suits for indoor entertainment applications
- The cabinet uses 18mm plywood and its baffle uses 25mm plywood, with painting finish for anti-moisture
- Designed with four rubber feet to prevent from moving in wide dynamic operation
- Powerful and elastic bass offers wide sound field when used with full range speaker cabinet
- The speaker uses high quality aerospace magnet to ensure high magnetic flux density
- Refractory voice coil keeps reliable performance under high power and long time operation, cone with special glue improves the stiffness and anti-moisture function, suitable surround ensures the elastic vibration and excellent transient response meanwhile reduces the distortion

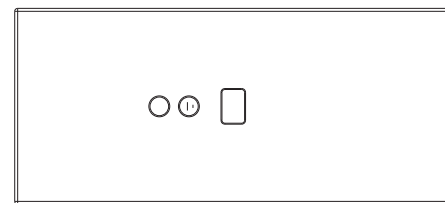
Application

- Used with full range speaker cabinet in disco bar, luxury KTV

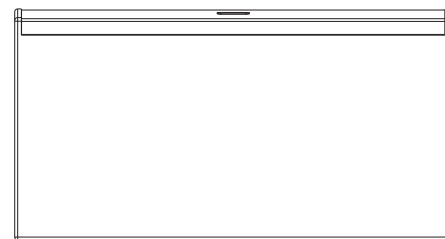
Specification

• Rated Power: 1300W(AES)	• Crossover Frequency: range 25Hz-130Hz
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector(IN1+, 1-, LINK2+, 2-)
• Frequency Response: 34Hz-2.5KHz	• Enclosure: 18mm plywood(baffle: 25mm plywood)
• Sensitivity: 98dB	• Finish: black painting
• Coverage: no directivity after filtering	• LF: 18" x 1(100mm), 220 magnet
• Max SPL: 126dB	• Dimension(mm): 560 x 610 x 690(W x D x H)
• Crossover Mode: external crossover	• Weight: 40Kg
	• Socket: pole mounting

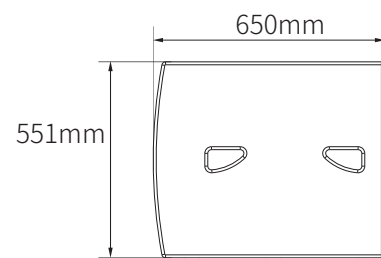




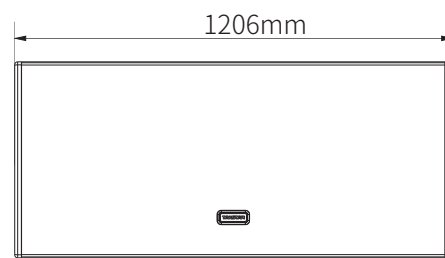
Rear View



Top View



Side View



Front View

## ELV-182(Subwoofer)

### Features

- ELV-182 uses two 18-inch high-quality woofers (100mm, 220 magnet). The woofers adopt voice coils of high-temperature resistance and paper cones with excellent rigidity. With an attractive enclosure, the speaker is of high sensitivity and produces thick and powerful bass.
- The enclosure and the front panel are made of 18mm plywood and 25mm plywood respectively. With plywood and paint, the speaker features good moisture resistance, good internal damping, and strong anti-resonance ability. There are five rubber foot pads on the bottom of the enclosure to prevent vibration and displacement during a large dynamic.
- The unit components adopt a symmetrical magnetic circuit design to ensure the high magnetic flux density of the magnetic circuit and small distortion. The voice coils of high-temperature resistance withstand higher power, and remain stable and not easy to burn when working under high power or for a long time. The reasonable combination of surround and cloth edge brings the vibration system good elasticity to reduce distortion and provides the speaker with a good transient response.

### Application

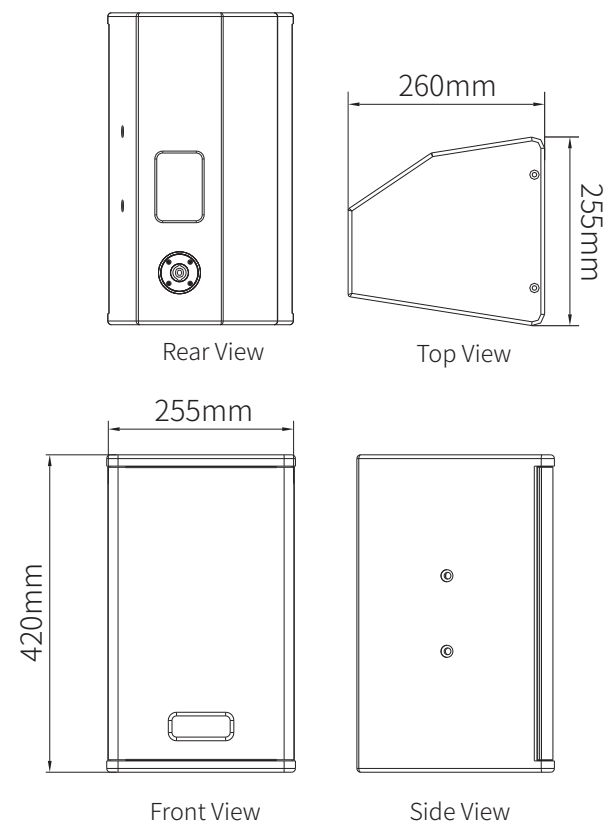
- Suitable for the sound reinforcement system of large-scale performances, disco bars, KTV, etc.

### Specification

- Rated Power: 2400W (AES)
- Rated Impedance:  $8\Omega \times 2$  and  $4\Omega$  (switchable based on connection method)
- Frequency Response: 30Hz-500Hz ( $\pm 3\text{dB}$ )
- Sensitivity: 102dB
- Coverage: no directivity
- Max SPL: 133dB
- Connection:  $2 \times \text{NL4}$  speakon, connecting 1+, 1- or 2+, 2- for operation, no parallel use of two speakers
- Enclosure: 18mm plywood
- Finish: black painting
- LF unit:  $18'' \times 2$  (100mm), 220 magnet
- Dimensions (mm):  $1206 \times 650 \times 551$  (W  $\times$  D  $\times$  H)
- Net Weight: 90Kg

## EKS Speaker Cabinet Series





## EKS-081(Full Range Speaker Cabinet)

### Features

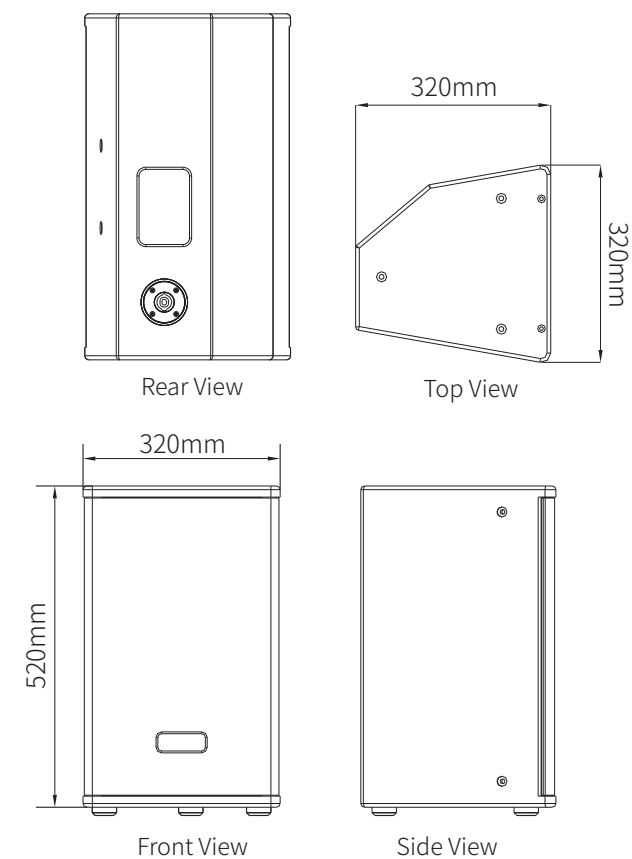
- The unit structure consists of one 8 inch 50mm cone woofer and a 36mm ferrite magnet steel HF unit
- The woofer uses refractory glass fiber bobbin and 50mm CCA winding coil for high efficiency and reliable performance, symmetric magnet circuit design reduces the second harmonic distortion
- The HF unit uses 1 inch throat and PEEK diaphragm for flat and bright treble. The horn uses solid industrial plastic for anti-vibration performance, with the tweeter together to offer bright and penetrating tone
- PEEK diaphragm has excellent mechanical performance, anti-abrasion and anti-erosion, and can stand 250 degree temperature during long time operation
- Trapezoidal enclosure eliminates standing wave inside
- 15mm MDF enclosure with black painting finish for anti-moisture; Al socket for pole mounting

### Application

- Multifunctional hall, conference hall, KTV installation

### Specification

• Rated Power: 300W(AES)	• Suspension/Installation: horizontal suspension
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector, connect 1+, 1- for operation,
• Frequency Response: 65Hz-19KHz (±3dB)	2+, 2- for speaker parallel
• Sensitivity: 93dB	• Enclosure: 15mm MDF
• Coverage: H100° x V 55°	• Finish: black painting
• Max SPL: 115dB	• HF: 1.4" x 1(36mm, 26mm throat) 90 magnet
• Crossover Mode: 2 way passive	• LF: 8" x 1(50mm), 145 magnet
• Crossover Frequency: 2500Hz	• Dimension(mm): 255 x 260 x 420(W x D x H)
	• Weight: approx. 14.1Kg



## EKS-101(Full Range Speaker Cabinet)

### Features

- EKS-101 two way full range speaker cabinet uses plane wave guide technology, sound wave phase delay transmission and sound wave phase inversion overlaps for solving the phase distortion
- The speaker cabinet features high sensitivity, clear and charming tone, wide and natural vocal
- EKS-101 consists of one 10 inch cone woofer and a 36mm PEEK diaphragm HF unit (CCA winding)
- The woofer uses refractory glass fiber bobbin 50mm CCA winding voice coil for high efficiency and reliable performance. Symmetric magnet circuit design reduces the second harmonic distortion
- The HF unit uses 1 inch throat and PEEK diaphragm for flat and bright treble
- PEEK diaphragm has excellent mechanical performance, anti-abrasion and anti-erosion, and can stand 250 degree temperature during long time operation
- Trapezoidal enclosure eliminates standing wave inside
- 15mm MDF enclosure with black painting finish for anti-moisture
- Designed with a handle for convenient transportation and Al socket for convenient pole mounting
- Multiple flying points for flexible applications

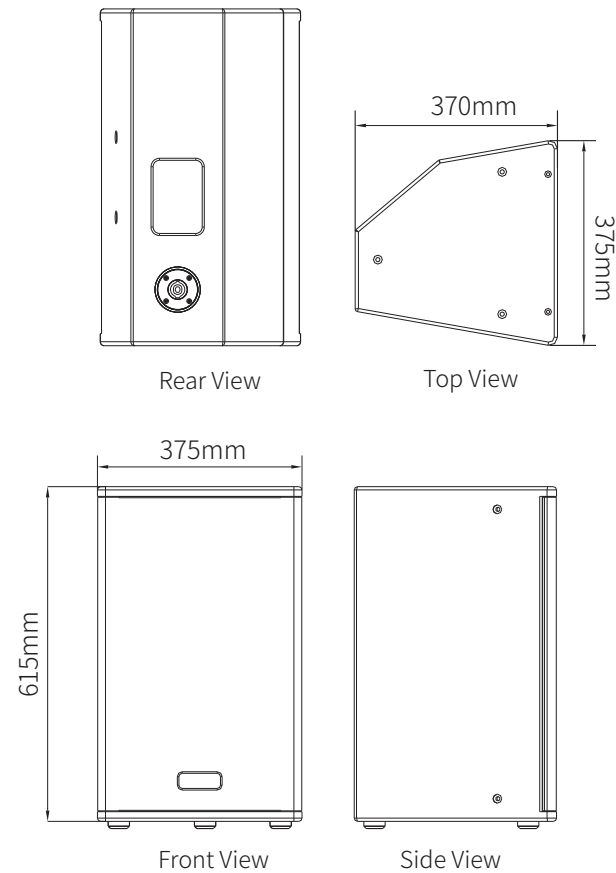
### Application

- Multifunctional hall, conference hall, KTV

### Specification

• Rated Power: 500W(AES)	• Suspension/Installation: suspension or pole mounting
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector, connect 1+, 1- for operation,
• Frequency Response: 60Hz-19KHz(±3dB)	2+, 2- for speaker parallel
• Sensitivity: 95dB	• Enclosure: 15mm MDF
• Coverage: H100° x V 55°	• Finish: black painting
• Max SPL: 120dB	• HF: 1.4" x 1(36mm, 26mm throat), 90 magnet
• Crossover Mode: 2 way passive	• LF: 10" x 1(50mm), 145 magnet
• Crossover Frequency: 2300Hz	• Dimension(mm): 320 x 320 x 520(W x D x H)
	• Weight: approx. 16.4 Kg





## EKS-121(Full Range Speaker Cabinet)

### Features

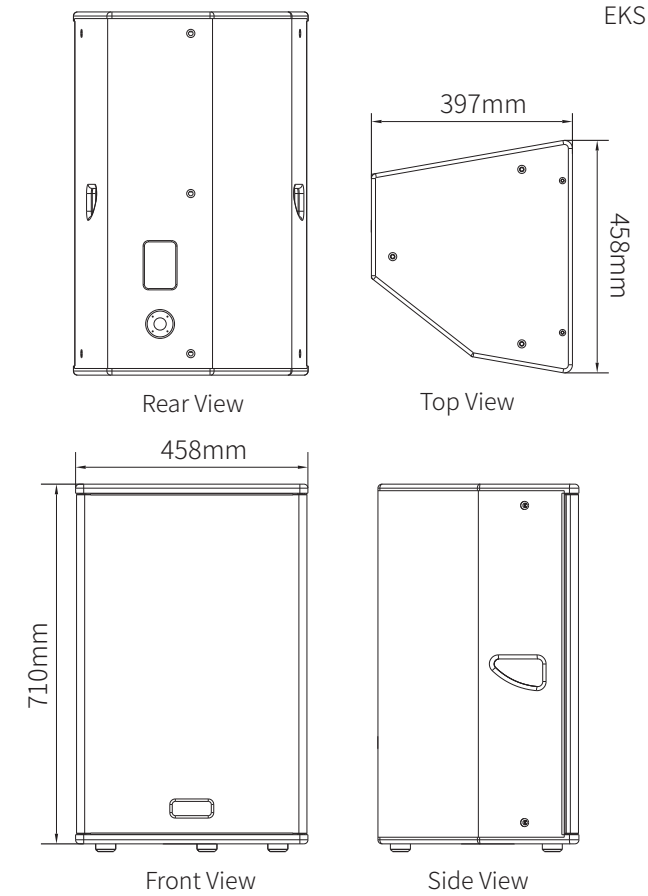
- EKS-121 full range speaker uses 120 magnet 44mm PI diaphragm and Al winding HF unit, HF unit can stand high power operation for a long time, natural and clear tone, accurate phase and flat frequency response after matched with subwoofer
- PI HF refractory diaphragm stands 290°C for a long time and 490°C for a short time, it features excellent mechanical and electrical performance, durable and fireproof
- EKS-121 uses built-in 2 way crossover and plane wave guide technology, sound wave phase delay transmission and sound wave phase inversion overlaps for solving the phase distortion
- High sensitivity, charming tone, clear & rich vocal, bright MFHF
- The woofer uses 65mm Al winding for light weight and high efficiency. Symmetric magnet circuit design reduces the second harmonic distortion
- Trapezoidal enclosure eliminates standing wave inside
- 18mm MDF enclosure with black painting finish for anti-moisture
- Designed with a handle for convenient transportation and Al socket for convenient pole mounting
- Multiple flying points for flexible applications

### Application

- Multifunctional hall, conference hall, theater, stage monitor, KTV installation

### Specification

• Rated Power: 700W(AES)	• Suspension/Installation: suspension or pole mounting
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector, connect 1+, 1- for operation,
• Frequency Response: 50Hz-18KHz(±3dB)	2+, 2- for speaker parallel
• Sensitivity: 96dB	• Enclosure: 18mm MDF
• Coverage: H100° x V 55°	• Finish: black painting
• Max SPL: 125dB	• HF: 1.75" x 1(44mm, 26mm throat), 120 magnet
• Crossover Mode: 2 way passive	• LF: 12" x 1(65mm), 170 magnet
• Crossover Frequency: 2100Hz	• Dimension(mm): 375 x 370 x 615(W x D x H)
	• Weight: approx. 22.7 Kg



## EKS-151(Full Range Speaker Cabinet)

### Features

- EKS-151 full range speaker uses UKM cone for natural sound reproduction, low distortion, powerful bass, vivid and penetrating vocal
- HF unit uses PI diaphragm and 44mm 120 magnet for flat HF response and bright tone. The HF unit matches LF unit to offer wide sound range on music or vocal
- PI diaphragm stands 290°C for a long time and 490°C for a short time, it features excellent mechanical and electrical performance, durable and fireproof
- EKS-151 uses built-in 2 way crossover, impedance compensation circuit is added for the LF part of the crossover to improve the frequency response flatness and the tone pureness
- The crossover components use low consumption polypropylene capacitors, OFC inductors and Al housing resistors for better performance
- Trapezoidal enclosure eliminates standing wave inside
- 18mm MDF enclosure with black painting finish for anti-moisture
- Designed with a handle for convenient transportation and Al socket for convenient pole mounting
- Multiple flying points for flexible applications

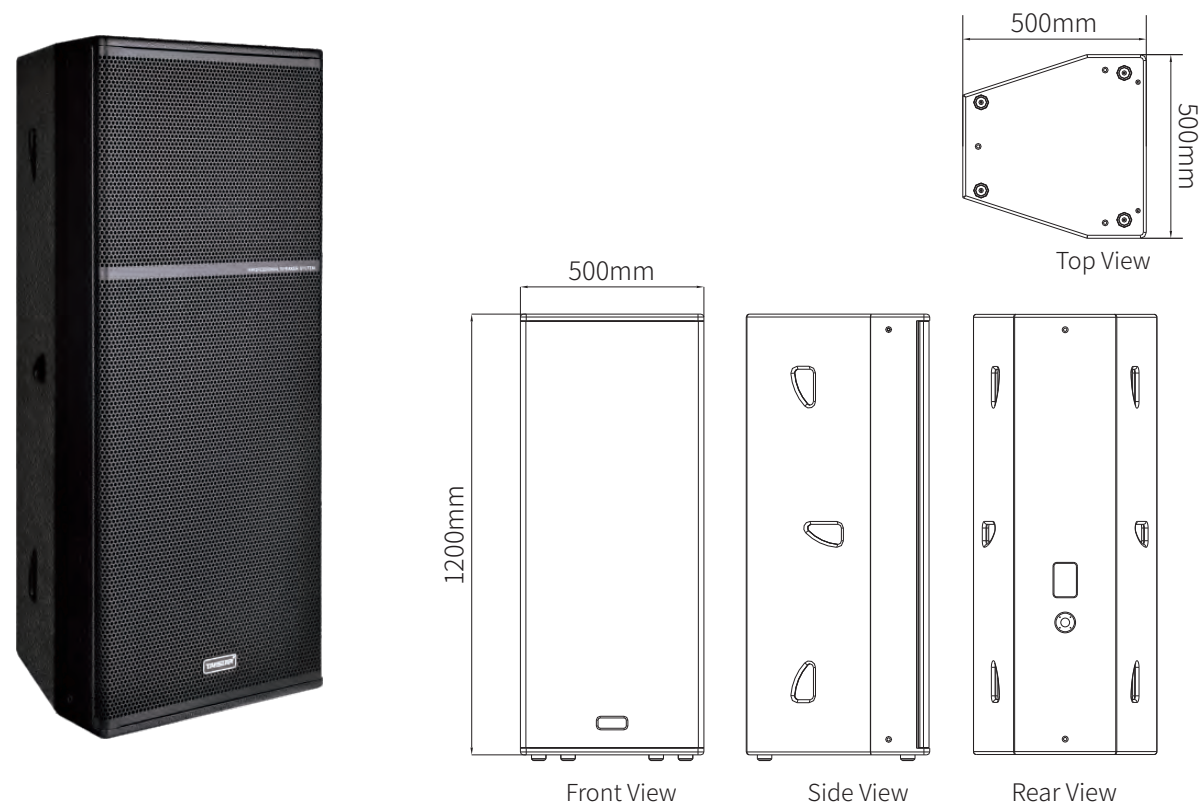
### Application

- Multifunctional hall, conference hall, theater, stage monitor, small show, KTV installation

### Specification

• Rated Power: 900W(AES)	• Suspension/Installation: suspension or pole mounting
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector, connect 1+, 1- for operation,
• Frequency Response: 48Hz-18KHz(±3dB)	2+, 2- for parallel
• Sensitivity: 98dB	• Enclosure: 18mm MDF
• Coverage: H100° x V 55°	• Finish: black painting
• Max SPL: 128dB	• HF: 1.75" x 1(44mm, 25mm throat), 120 magnet
• Crossover Mode: 2 way passive	• LF: 15" x 1(75mm), 190 magnet
• Crossover Frequency: 1800Hz	• Dimension(mm): 458 x 397 x 710(W x D x H)
	• Weight: 33.1Kg





## EKS-152(Full Range Speaker Cabinet)

### Features

- EKS-152 uses dual HF units, one 51mm Ti diaphragm CCA winding HF unit and one 34mm Ti diaphragm tweeter to endure the high power operation
- 34mm HF unit mainly compensates HF and ultra HF to offer bright, delicate tone and to extend the vocal range
- Ti diaphragm features light weight, high strength, high anti-erosion capacity, anti- high-temperature, anti-low-temperature, anti-acid, anti-alkaline
- The speaker cabinet features clear bass and clear vocal, and uses acoustic foam and vented hole to improve bass clearness
- The trapezoidal enclosure eliminates standing wave,18mm plywood cabinet with black paint for anti-moisture, 4 handles for easy transportation, 4 pin speaker connector, 4 feet for anti-vibration

### Application

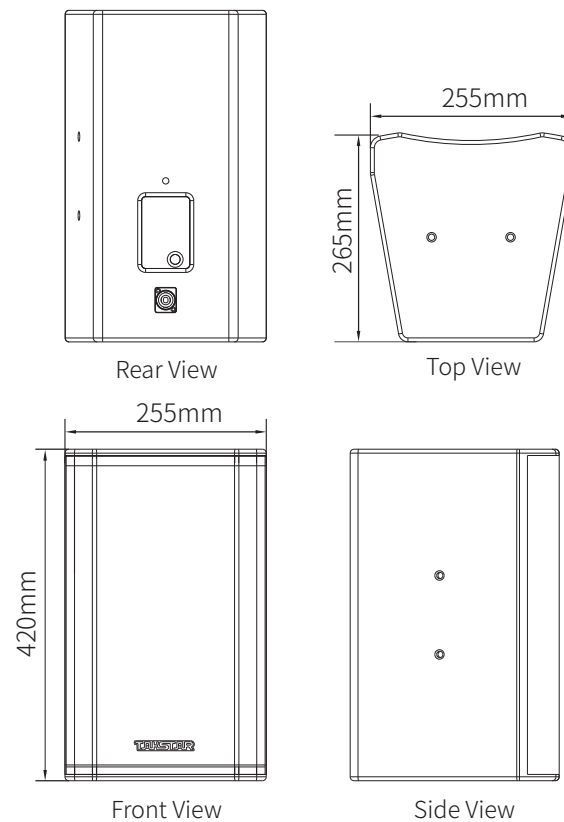
- Indoor/outdoor small show, auditorium; multiple EKS-152 equipped with EKS subwoofer can be used for large show

### Specification

• Rated Power: 1800W(AES)	• Suspension/Installation: suspension/pole mounting
• Rated Impedance: 4Ω	• Connection: 1 x NL4 speaker connector, connect 1+, 1- or 2+, 2-, parallel connection is not recommended
• Frequency Response: 45Hz-18KHz(±3dB)	• Enclosure: 18mm plywood
• Sensitivity: 101dB	• Finish: black painting
• Coverage: H100° x V 55°	• HF1: 2" x 1(51mm, 26mm throat), 140 magnet
• Max SPL: 130dB	• HF2: 1.35" x 1(34mm, 26mm throat), 100 magnet
• Crossover Mode: 3 way passive	• LF: 15" x 2(75mm), 190 magnet
• Crossover Frequency: 500Hz(LPF),1900Hz (ML, treble 1), 2500Hz(treble 2 HP)	• Dimension(mm): 500 x 500 x 1200(W x D x H)
	• Weight: approx. 53.9Kg

## EKL Speaker Cabinet Series





## EKL-081(Full range speaker cabinet)

### Features

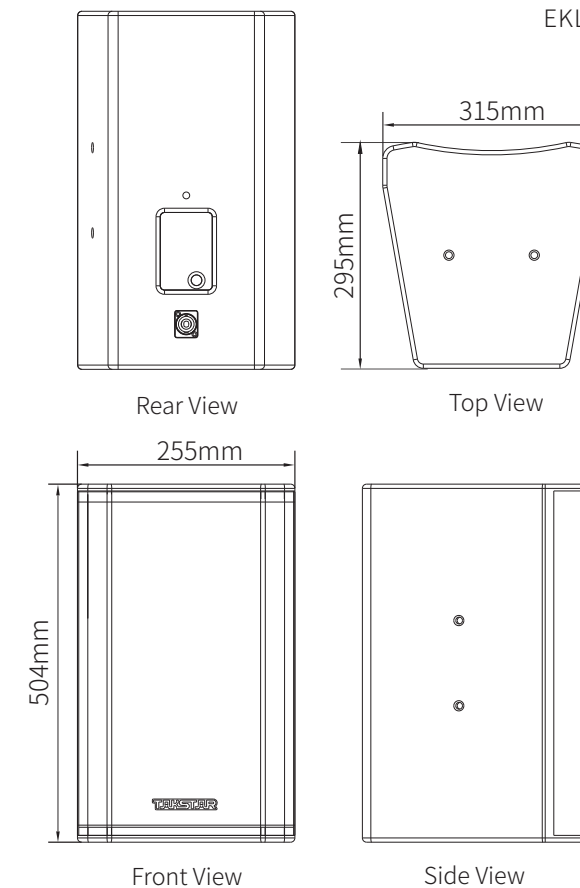
- The unit consists of one 8 inch 35mm cone woofer and one 25mm ferrite HF. The woofer uses polyimide bobbin and 35mm pure copper winding voice coil for high efficiency and thermal reliability. Symmetric magnetic design reduces harmonic distortion. Ferrite HF offers bright and penetrating sound
- Trapezoidal enclosure eliminates standing wave. Horizontal suspension for convenient installation

### Application

- Main reinforcement or filling reinforcement in multifunction hall or conference hall or KTV installation

### Specification

- Rated Power: 200W(AES)
- Rated Impedance: 8Ω
- Frequency Response: 75Hz-18kHz (±3dB)
- Sensitivity: 94dB
- Coverage: H90°×V60°
- Max SPL: 114dB
- Crossover Mode: two way passive
- Crossover Frequency: 3700Hz
- Installation: H/V suspension
- Connection: 1×NL4speakon(1+,1-)
- Enclosure: 12mm MDF
- Finish: black painting
- HF: 1"×1 (25mm, 25mm exit)
- LF: 8"×1 (35mm) , 70magnet
- Dimension (mm) : 255×265×420 (W×D×H)
- Net Weight: 7.4Kg



## EKL-101(Full range speaker cabinet)

### Features

- The unit consists of one 10 inch 50mm cone LF and one 35mm ferrite HF. The LF is designed with polyimide bobbin and 50mm pure copper winding voice coil for high efficiency and reliable thermal performance. Symmetric magnet design reduces harmonic distortion. Ferrite makes HF bright and delicate and penetrating
- The crossover is designed with low consumption OFC inductor and high quality capacitor and cement resistor for reliable crossover network and prominent sound, correction circuit for natural sound
- Trapezoidal enclosure and acoustic foam eliminates standing wave. Horizontal suspension is designed for convenient installation

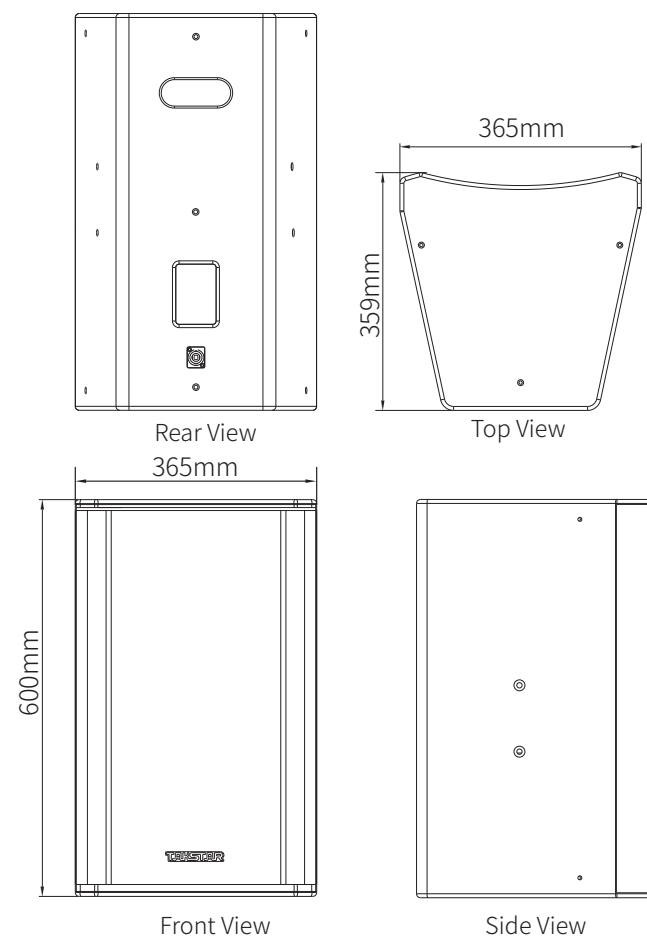
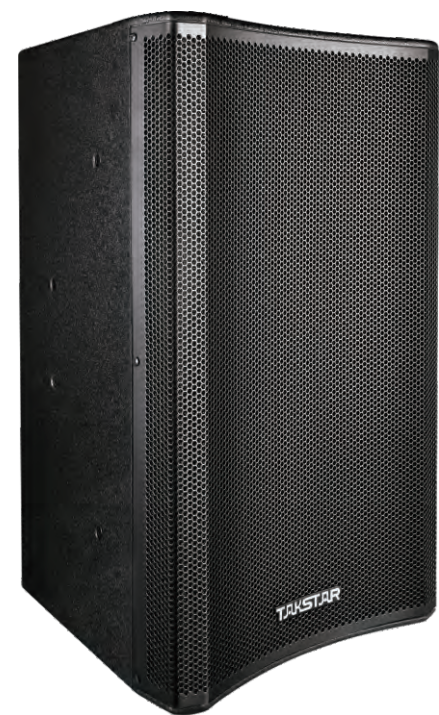
### Application

- Main reinforcement or filling reinforcement in multifunction hall or conference hall or KTV installation

### Specification

- Rated Power: 300W(AES)
- Rated Impedance: 8Ω
- Frequency Response: 65Hz-20kHz (±3dB)
- Sensitivity: 95dB
- Coverage: H90°×V60°
- Max SPL: 117dB
- Crossover Mode: two way passive
- Crossover Frequency: 2700Hz
- Installation: H/V suspension
- Connection: 1×NL4speakon(1+,1-)
- Enclosure: 12mm MDF
- Finish: black painting
- HF: 1"×1 (25mm, 25mm exit) 90 magnet
- LF: 10"×1 (50mm) , 126 magnet
- Dimension (mm) : 315×295×504 (W×D×H)
- Net Weight:11.4kg





## EKL-121(Full range speaker cabinet)

### Features

- The unit consists of one 12 inch 65mm cone LF and one 35mm ferrite HF. The LF is designed with polyimide bobbin and 65mm pure copper winding voice coil for high efficiency and reliable thermal performance. Symmetric magnet design reduces harmonic distortion. Ferrite makes HF bright and delicate and penetrating
- The crossover is designed with low consumption OFC inductor and high quality capacitor and cement resistor for reliable crossover network and prominent sound, correction circuit for natural sound
- Trapezoidal enclosure and acoustic foam eliminates standing wave. Horizontal suspension is designed for convenient installation

### Application

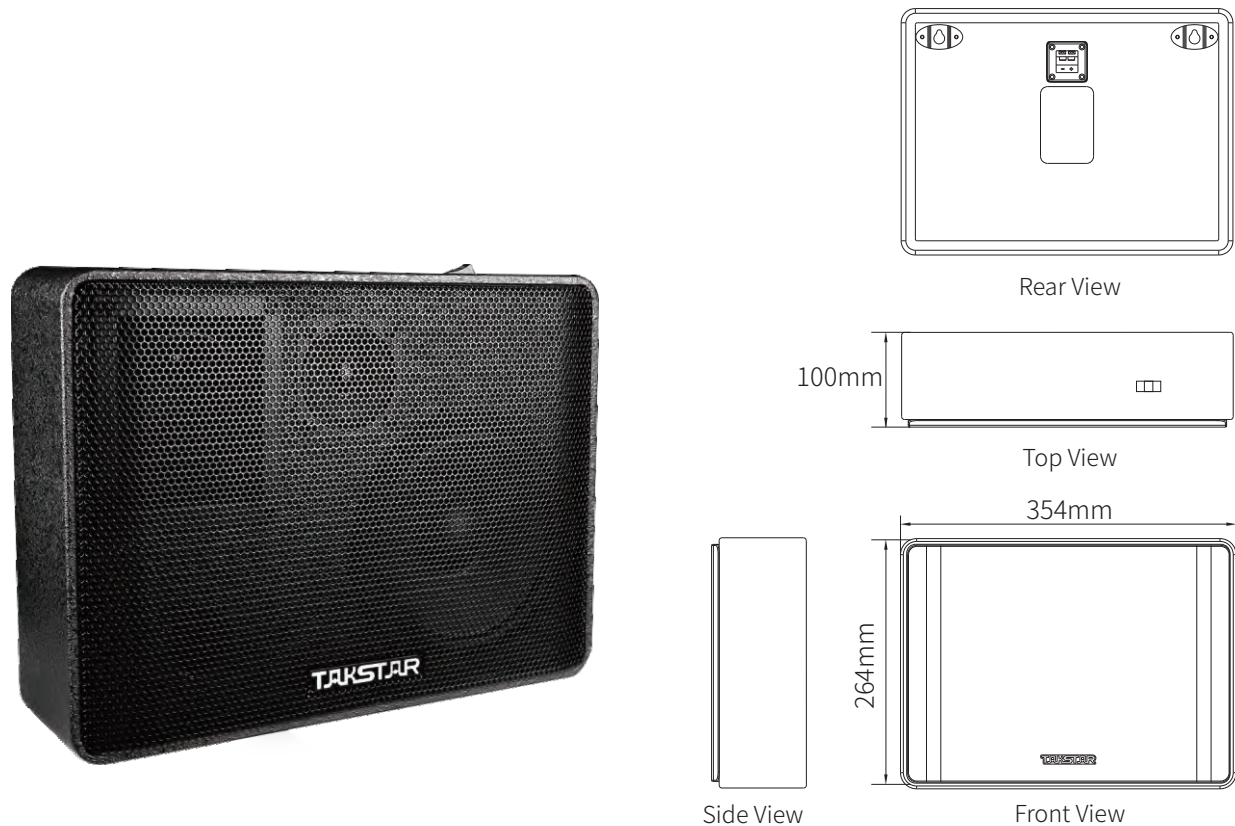
- Main reinforcement or filling reinforcement in multifunction hall or conference hall or KTV installation

### Specification

- Rated Power: 400W(AES)
- Rated Impedance: 8Ω
- Frequency Response: 52Hz-20kHz
- Sensitivity: 96dB
- Coverage: H90°×V90°
- Max SPL: 119dB
- Crossover Mode: two way passive
- Crossover Frequency: 2200Hz
- Installation: H/V suspension
- Connection: 1×NL4speakon(1+,1-)
- Enclosure: 12mm MDF
- Finish: black painting
- HF: 1"×1 (34mm, 26mm exit) 100 magnet
- LF: 12"×1 (65mm) , 156 magnet
- Dimension (mm) : 362×360×600 (W×D×H)
- Net weight:16.2kg

# T Series Speaker





T6(Wall-mounted Speaker)

Features

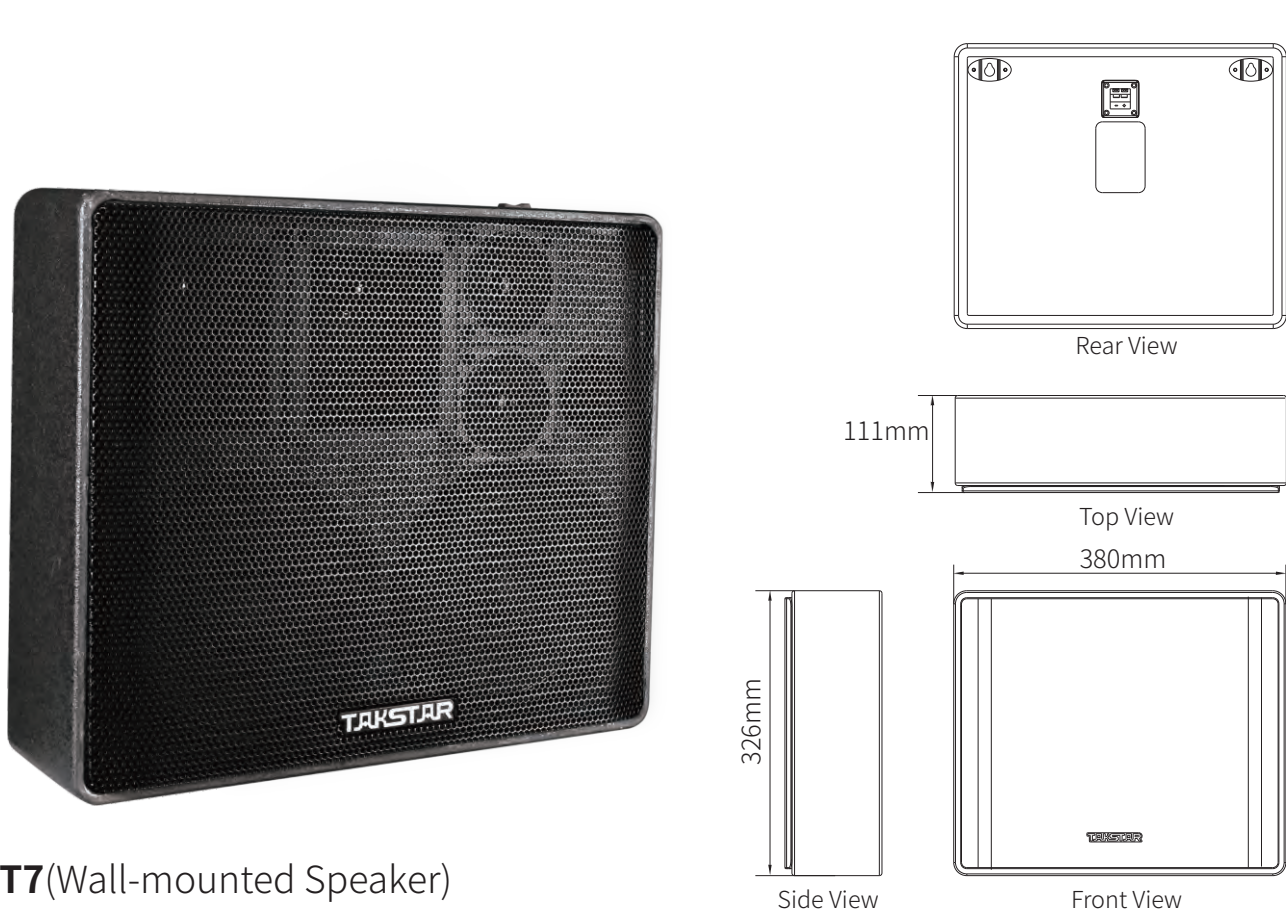
- T6 is a two-way full-range speaker with a compact design and exquisite appearance. It adopts a 6-inch 25mm paper cone woofer with wide frequency response, high voice clarity, and high sensitivity, and two 2.5-inch 13mm paper cone tweeters that produce sweet and delicate sound.
- The crossover is designed with low consumption OFC inductor and high-quality thin-film capacitor for a reliable crossover network and prominent sound.
- Enclosure of a cuboid structure and acoustic foam eliminate the standing wave inside, and make the mid/bass purer and frequency response flatter. The enclosure is ultra-thin with a thickness of only 92mm, which is more convenient for engineering installation.
- The unique function of vertical directivity selection allows you to choose the vertical directivity of the sound out of "+20°~-20°" "+20°~-70°" "-20°~-70°" to meet the needs of different acoustic environments.

Application

- The main application scenarios are conferences and application projects of basic sound reinforcement.

Specification

• Rated Power: 60W (AES)	• Connection: binding post
• Rated Impedance: 6Ω	• Enclosure: 9mm MDF
• Frequency Response (±3dB): 65Hz-16kHz	• Finish: black painting
• Sensitivity (1W/1M): 89dB	• Unit: HF: 2.5"×2 (13mm) LF: 6.5"×1 (25mm), 85 magnet
• Coverage: directivity selection	• Dimensions (mm): 354×264×92 (W×H×D)
• Max SPL: 100dB	• Net Weight: approx. 3.4kg
• Crossover Mode: two way	
• Crossover Frequency: 5500Hz	
• Suspension/Installation: wall-mounted	



T7(Wall-mounted Speaker)

Features

- T7 is a two-way full-range speaker with a compact design and exquisite appearance. It adopts two 6-inch 25mm paper cone woofers with wide frequency response, high voice clarity, and high sensitivity, and four 2.5-inch 13mm paper cone tweeters that produce sweet and delicate sound.
- The crossover is designed with low consumption OFC inductor and high-quality thin-film capacitor for a reliable crossover network and prominent sound.
- Enclosure of a cuboid structure and acoustic foam eliminate the standing wave inside, and make the mid/bass purer and frequency response flatter. The enclosure is ultra-thin with a thickness of only 103mm, which is more convenient for engineering installation.
- The unique function of vertical directivity selection allows you to choose the vertical directivity of the sound out of "+20°~-20°" "+20°~-70°" "-20°~-70°" to meet the needs of different acoustic environments.

Application

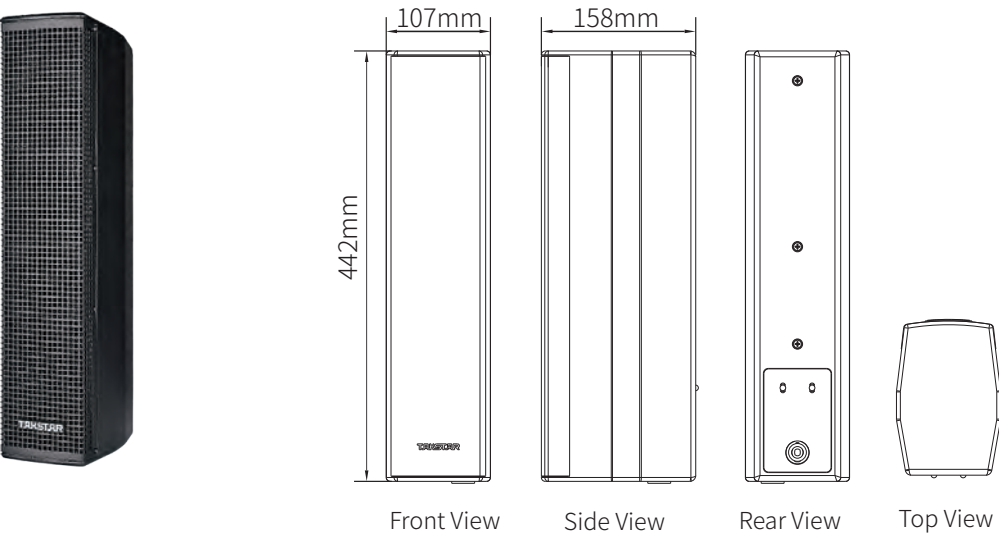
- The main application scenarios are conferences and application projects of basic sound reinforcement.

Specification

• Rated Power: 120W (AES)	• Connection: binding post
• Rated Impedance: 4Ω	• Enclosure: 12mm MDF
• Frequency Response (±3dB): 65Hz-16kHz	• Finish: black painting
• Sensitivity (1W/1M): 92dB	• Unit: HF: 2.5"×4 (13mm) LF: 6.5"×2 (25mm), 85 magnet
• Coverage: directivity selection	• Dimensions (mm): 380×326×103 (W×H×D)
• Max SPL: 106dB	• Net Weight: approx. 6kg
• Crossover Mode: two way	
• Crossover Frequency: 5500Hz	
• Suspension/Installation: wall-mounted	



# ESC Series Speaker



Optional Color: ☒ ☐

## ESC-034(Column speaker)

### Features

- The unit structure consists of four 3 inch 20mm full range cone speakers, which feature the elastic and durable rubber surround for quick and dynamic MFLF, symmetric magnet design for low harmonic distortion, speaker topology for wider horizontal directivity, vertical line array for narrower vertical directivity and farther transmission
- The crossover is designed with low consumption OFC inductor and high quality polypropylene capacitor for reliable crossover network and prominent sound, correction circuit for natural sound. Trapezoidal enclosure and acoustic foam eliminates standing wave and makes purer MFLF, flat frequency response

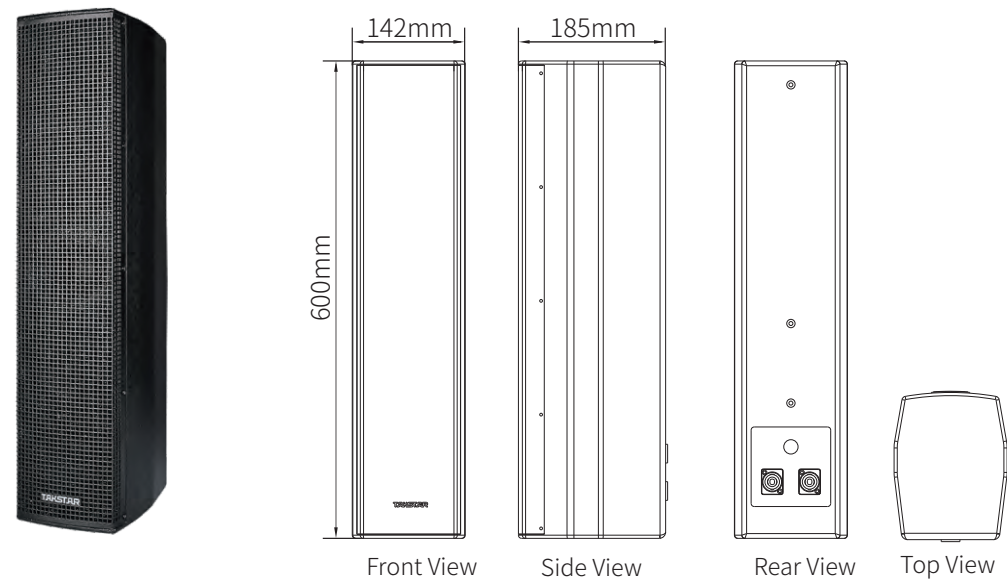
### Application

- Vocal reinforcement and background music playing in conference room, multifunction hall, large supermarket

### Specification

- Rated Power: 120W(AES)
- Rated Impedance: 8Ω
- Frequency Response (±3dB) : 100Hz-16kHz
- Sensitivity (1W/1M) : 94dB
- Coverage: H120°×V25°
- Max SPL: 109dB
- Crossover Mode: full range+correction circuit
- Crossover Frequency: no
- Installation: wall installation
- Connection: NEUTRIK 4 pin connector(IN1+,1-)
- Enclosure: 9mm MDF
- Finish: black painting
- Unit: 3"×4 (20mm) , 70 magnet
- Dimension (mm) : 107x160x442(W\*D\*H)
- Net Weight: 3.9Kg





Optional Color:  

## ESC-044(Column speaker)

### Features

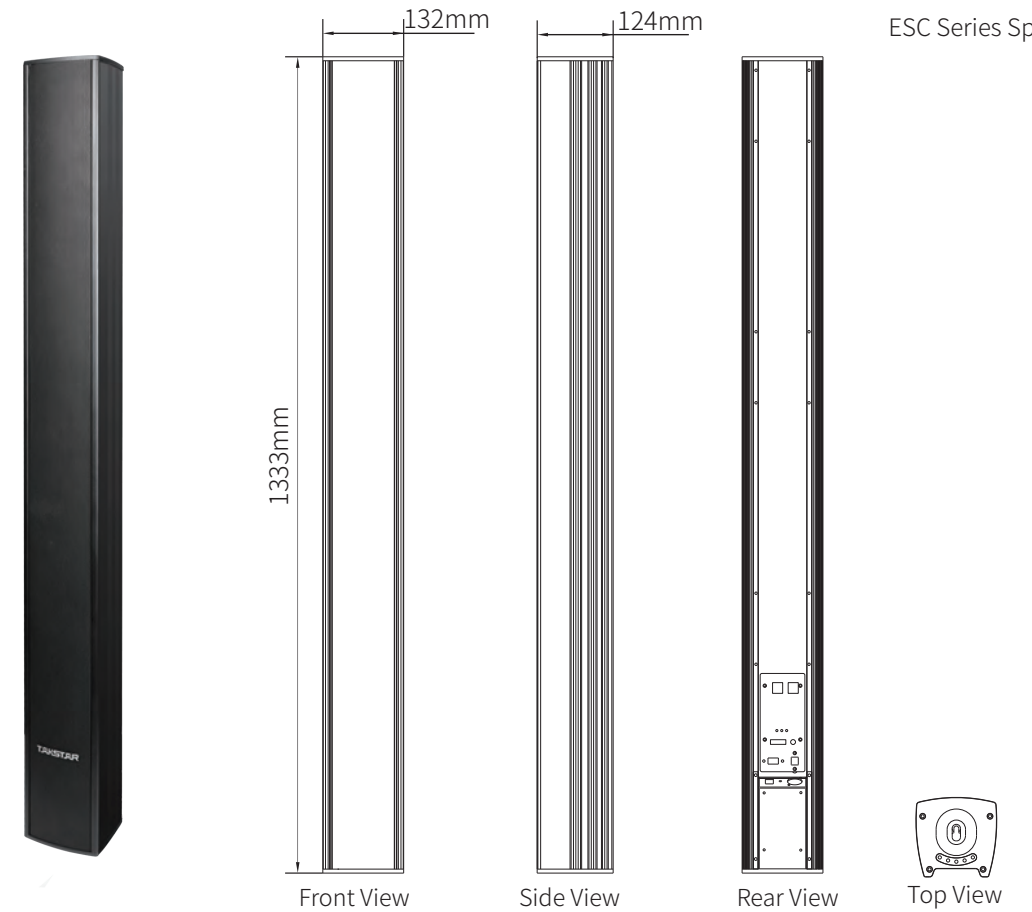
- 4 inch \*4 speakers, linear arrangement
- Vertical linear arrangement, narrow vertical directivity, far transmission range
- HF gain adjusting
- Correction circuit for more natural sound
- Slender cabinet to suit for various decoration styles
- Standard stand for convenient project installation

### Application

- Vocal reinforcement and background music playing in conference room, multifunction hall, large supermarket

### Specification

- Rated Power: 160W(AES)
- Rated Impedance: 8Ω
- Frequency Response (±3dB) : 158Hz-20kHz
- Sensitivity (1W/1M) : 95dB
- Coverage: H150°×V90°
- Max SPL: 114dB
- Crossover Mode: two way
- Crossover Frequency: 2800Hz
- Installation: wall mount stand
- Connection: NEUTRIK 4 pin speaker connector(IN1+,1-)
- Enclosure: 9mm MDF
- Finish: black painting
- Unit: LF: 4"×4 (25mm) 80 magnet ; HF: 1"×1 (25MM, 25mm exit) 20 magnet
- Dimension (mm) : 142x185x600(WxDxH)
- Net Weight: 6Kg



## ESC-80A(Column Speaker)

### Features

- Built-in 8-channel digital power amplifier module, all-aluminum enclosure
- Eight 4-inch full-range speaker, adjusting DSP through software to achieve controllable directivity
- 32-bit DSP chip, 48kHz sampling rate, 24-bit AD/DA conversion
- Three input ports are available: XLR, V, DANTE.
- With advanced network synchronization technology, Dante makes it possible to achieve high-performance digital media networks with low latency, low jitter rate and high sampling accuracy that meet the demands for sound quality and performance needed in audio/visual equipment, broadcasting, and recording systems. It inherits all the advantages of CobraNet and EtherSound, such as uncompressed digital audio signals, ensuring good sensitivity adjustment.
- Input processing includes noise gate, gain, mute, phase, compressor/limiter, and linkage adjustment.
- Output processing includes X-over, 6PEQ, gain, mute, phase, delay, and linkage adjustment.
- The PEQ frequency, gain and bandwidth of all channels are adjustable with types of PEAK, L-SHELF, H-SHELF, LOW CUT, HIGH CUT, ALLPASS1, ALLPASS2.
- The types of high-cut and low-cut filters available are Butterworth, Linkwitz-Riley, and Bessel with the slope of -6dB to -24dB.

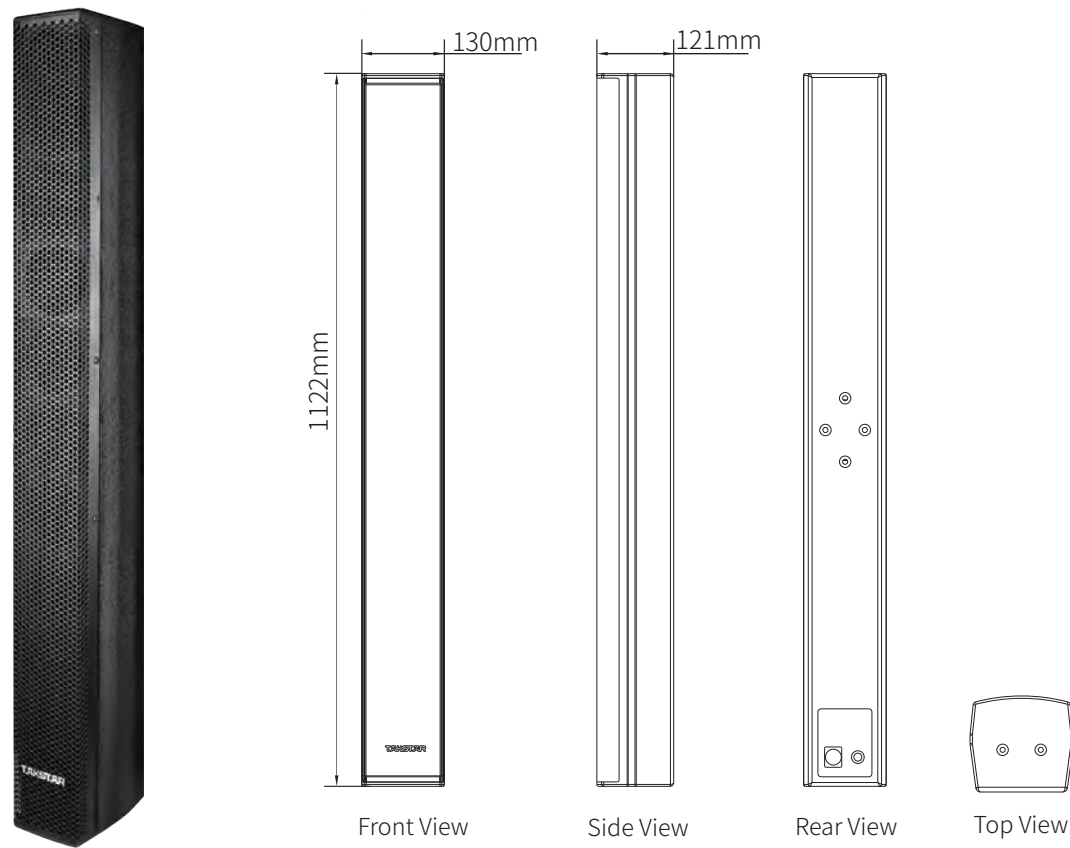
### Application

- Suitable for railway stations, airports, religious places, banquet halls, conference rooms, etc.

### Specification

- Frequency Response: 110Hz-16kHz (-3dB)
- SPL: 98Db (1M/1W)
- Rated Power: 320W (AES)
- Peak Power: 640W (AES)
- Input Sensitivity: 0dB
- Constant Voltage Input: 100V
- Digital Processing: 24-bit sigma-delta A/D, D/A conversion, 32-bit DSP, 48kHz sampling rate
- Net Weight: 13.7Kg





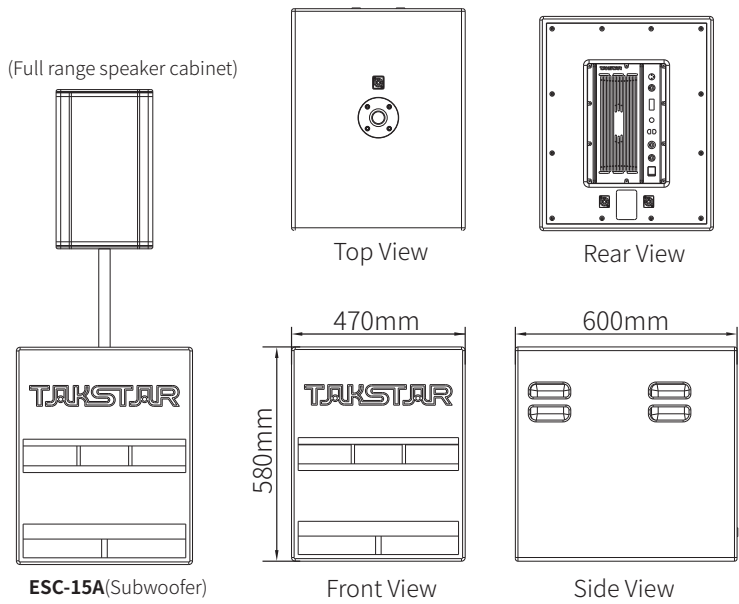
ESC-90(Column Speaker)

- Features
- ESC-90 consists of nine 4-inch 25mm paper cone woofers. The woofers feature elastic and durable rubber surround for fast MF/LF response and large dynamic and symmetric magnet design for low harmonic distortion. The speaker arrangement is designed for wider horizontal directivity and narrower vertical directivity for farther transmission.
  - The crossover is designed with low consumption OFC inductor for a reliable crossover network and prominent sound.
  - Trapezoidal enclosure and acoustic foam eliminate the standing wave inside, and make the mid/bass purer and frequency response flatter. The slender enclosure suits for various installations.
  - The unique sound correction circuit adjusts HF. The mode selection switch provides two modes of "near field" and "far field" to suit for different applications.

- Application
- Sound reinforcement and background music playback in conference rooms, multi-function halls, and large shopping malls

Specification

• Rated Power: 360W (AES)	• Suspension/Installation: wall-mounted (standard configuration)
• Rated Impedance: 8Ω	• Connection: 1×NL4speakon (1+, 1-)
• Frequency Response (±3dB): 120Hz-16kHz	• Enclosure: 12mm MDF
• Sensitivity (1W/1M): 99dB	• Finish: black painting
• Coverage: H120°×V30°	• LF unit: 4"×9 (25mm) 80 magnet
• Max SPL: 114dB	• Dimensions (mm): W130×D121×H1122
• Crossover Mode: full-range	• Net Weight: approx. 11.5Kg



ESC-15A(Subwoofer)

- Features
- Dual-channel high-efficiency Class D power amplifier
  - High-power 15" 100mm LF unit, sixth-order bandpass enclosure, excellent LF response, 131dB Max SPL
  - Suitable for use with passive subwoofers and full-range speakers
  - A variety of preset programs to meet more and higher requirements for sound reinforcement
  - Comprehensive intelligent protection: overheating (power limiting-overheating shutdown) short circuit/overload/clipping limit/high-frequency protection
  - Limiters: peak limiter, RMS limiter, frequency offset limiter, clipping limiter, temperature limiter
  - 48KHz DSP and multiple filters for the authentic sound of high definition and ultra-low latency
  - Accessing various DSP functions to load presets or make precise adjustments to PEQ, delay, and routing via the LED display
  - Built-in cardioid mode deployment for the bass management on the stage
  - Deep, full and powerful bass

- Application
- Used together with full-range speakers in music restaurants, bars, Live House, KTV, etc.

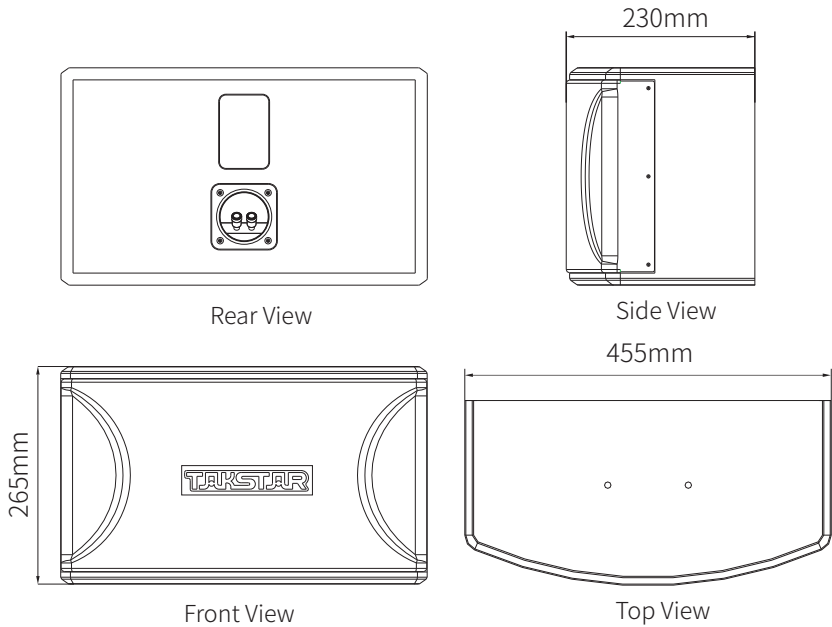
Specification

Speaker Specifications	Power Amplifier Specifications
• Speaker Type: 15" active subwoofer, band-pass	• Input Sensitivity@8Ω: ≤2.2V/+9dBu@32Db gain
• Max SPL (Peak): 131dB	• S/N Ratio: ≥115dB (A weighted)
• Frequency Response (-10dB): 40Hz-150Hz	• Power: 2×1000W @8Ω, 2×1500W @4Ω
• Unit: High-power 15" LF unit, 100mm voice coil	• I/O Interface: INPUT for input, LINK for output
• Output Power: Dynamic: 1600W (AES)/Continuous: 800W (AES)	• Processor: 1 in 2 out
	• Connection: 1×NL4speakon (1+, 1-) for LF unit, 2×NL4speakon (2+, 2-) for full-range speaker unit
	• Power Supply: AC 100V~240V, 50Hz/60Hz
	• Weight: approx. 43.6 Kg (net weight)
	• Dimensions (mm): 470×600×580 (W×D×H)



# EKT Speaker Cabinet Series

EKT Series



Optional Color:  

## EKT-081(KTV Speaker Cabinet)

### Features

- EKT-081 is the high quality Karaoke speaker cabinet specially designed for KTV and home Karaoke which features prominent vocal and music performance
- The vented tube and acoustic foam match with the cabinet volume perfectly, which boosts the bass performance
- The woofer uses excellent damping factor and rigid cone to avoid distortion in different frequency band operation
- The anti-erosive and elastic foam surround ensures that the speaker can endure severe amplitude and dynamic
- The 3 inch tweeter uses hi-fi cone to offer flat MFHF response, hi-fi vocal and music performance, and refractory voice coil to endure long time music power
- The refined crossover components offer accurate MF and bright HF during high SPL KTV operation

### Application

- KTV, home Karaoke

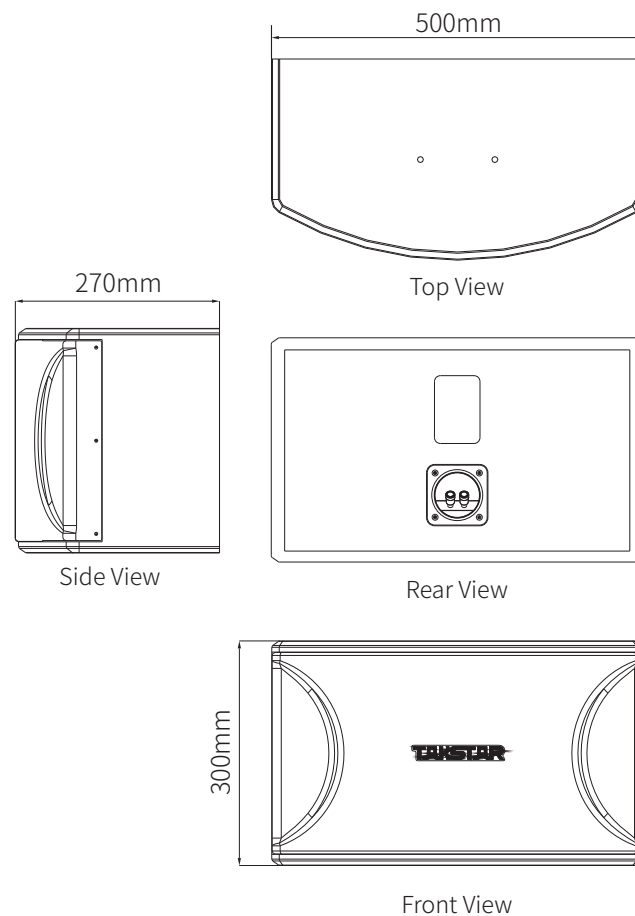
### Specification

• Rated Power: 240(AES)	• Suspension/Installation: horizontal suspension
• Rated Impedance: 8Ω	• Connection: pressing post
• Frequency Response: 40Hz-18KHz(±3dB)	• Enclosure: 15mm plywood
• Sensitivity: 92dB	• Finish: black painting
• Coverage: H100° x V55°	• HF: 3" x 2(13mm)55+50 dual magnets
• SPL: 111dB	• LF: 8" x 1(35mm)100+100 dual magnets
• Crossover Mode: 2 way passive	• Dimension(mm): 455 x 265 x 230(W x D x H)
• Crossover Frequency: 1900Hz	• Weight: approx. 8.8Kg

It is our assignment to guarantee a comfortable audio experience and at the same time provide creative solutions for users all around the world.

**TAKSTAR**





Optional Color:  

EKT-101(KTV Speaker Cabinet)

Features

- EKT-101 is the high quality 10 inch Karaoke speaker cabinet specially designed for KTV and home Karaoke audio system
- EKT-101 features prominent vocal, clean and rich bass, flat and delicate treble, together use with Takstar tailored microphone and Karaoke power amplifier to offer high quality music and tone
- The vented tube and acoustic foam match with the accurately designed cabinet to boost powerful bass effect
- The speaker uses excellent damping factor and rigid cone to avoid distortion in different frequency band operation
- Adopts anti-fatigue and elastic foam surround
- Six layer winding voice coil features high inductive reactance for pure and gentle bass effect
- Three magnet structure strengthens the magnetic field induction-intensity and reduces the voice coil non-linear distortion under large dynamic
- The HF unit uses 3 inch hi-fi cone to offer flat frequency response and hi-fi vocal and music; the refractory voice coil offers delicate HF tone and bears long time music power; the refined crossover components offer accurate MF tone and bright HF to offer satisfied MFHF performance without burrs

Application

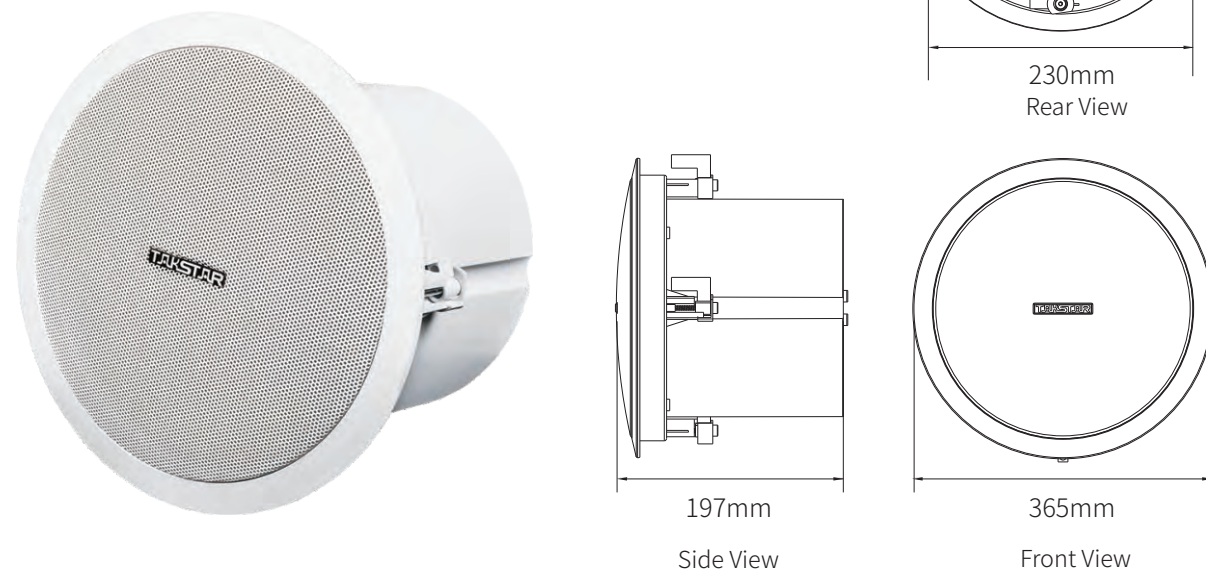
- KTV, home karaoke

Specification

• Rated Power: 320W(AES)	• Crossover Frequency: 1600Hz
• Peak Power: 1280W(AES)	• Suspension/Installation: horizontal suspension
• Rated Impedance: 8Ω	• Connection: binding post
• DC Impedance: 6Ω	• Enclosure: 15mm plywood
• Frequency Response: 35Hz-18KHz(±3dB)	• Finish: black painting
• Sensitivity: 93dB	• HF: 3" x 2(13mm), 55+50 dual magnets
• Coverage: H100° x V55°	• LF: 10" x 1(50mm), 120+110+55 three magnets
• Max SPL: 115dB	• Dimension(mm): 500 x 270 x 300(W x D x H)
• Crossover Mode: 2 way passive	• Weight: approx. 10.3 Kg

EBS Fixed Impedance Ceiling Speaker





EBS-640(EBS Fixed Impedance Ceiling Speaker)

Features

- EBS-640 consists of one 6.5 inch 25mm cone woofer and one 25mm silk dome tweeter. The woofer is designed with elastic and durable rubber surround for quick response and sufficient dynamic, specially processed cone for clear music performance, symmetric magnet for low harmonic distortion. The tweeter is designed with silk dome for flat treble, NdFeB magnet for light weight and slender HF. The magnet is filled with magnetic liquid to reduce the voice coil temperature and promote the performance reliability. With the specific directivity horn together, it effectively controls the projection range, and concentrates the energy. The coaxial design offers accurate pan.
- The crossover is designed with low consumption OFC inductor, high quality polypropylene capacitor, heat dissipating cement resistor for reliable crossover operation and prominent sound quality.
- The enclosure is designed with acoustic foam to eliminate standing wave and promote the pure bass and flat frequency response. The enclosure consists of two parts for compact and closed structure to reduce the sound leakage but offer sufficient energy.

Application

- Conference room, multifunction hall, plaza

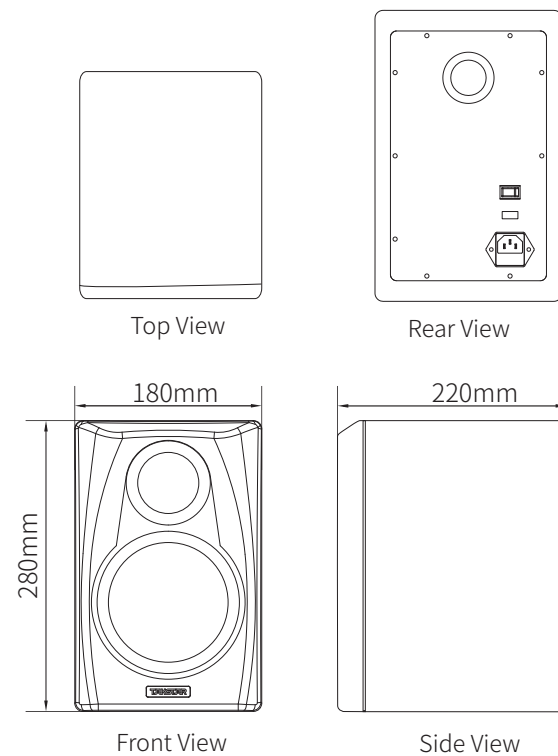
Specification

- Rated Power: 80W(AES)
- Rated Impedance: 16Ω
- Frequency Response (±3dB): 70Hz-20KHz
- Sensitivity (1W/1m): 90dB
- Coverage: H90°×V90°
- Max SPL: 106dB
- Crossover Mode: two way passive
- Crossover Frequency: 2800Hz
- Installation: latch to fix the position
- Hole Size: 233±2mm
- Wiring: binding posts (IN: red+, black-)
- Enclosure: ABS
- Finish: white
- HF: 1"×1 (25mm), silk dome
- LF: 6.5"×1 (25mm), 90 magnet
- Dimension(mm): φ260 × H197

Monitoring Speaker Cabinet







## MT5(Monitoring Speaker Cabinet)

### Features

- Tailored for monitoring. The effect reaches professional level in studio
- Boosting stereo effect to reach best audition pan
- Accurate EQ adjustment for flat frequency response
- Silk dome HF provides quick transient response and treble details and clear sound
- Polypropylene woofer provides powerful bass dynamic response
- Adjustable acoustic space filtering design optimizes monitoring effect
- HPF boosts or decays relative frequency band to adjust sound brightness
- Customized inner rib, pro MDF enclosure for durable application
- Acoustic foam eliminates noise for better sound field

### Application

- Various studio

### Specification

- Power Amplifier: Class AB dual power amp
- HF: 1 inch silk dome tweeter
- LF: 5.25 inch PP cone
- HF Power: 4Ω 20W/40W (peak)
- LF Power: 4Ω 30W/60W (peak)
- Frequency Response (±3dB) : 57Hz-20kHz
- Crossover: 24dB/octave@2KHz
- Max Peak SPL (one couple) : 108dB SPL@1m/1w
- Input Adjustment: HF, LF 3 band adjustment
- Input Connector: 1\*1/4"TRS,1\*XLR,1\*RCA
- EQ: HF filtering sound space
- Weight: 4.7Kg(net)
- Dimension: 180 x 220 x 280mm (WxDxH)

## Power Amplifier Series





## EX-3 Power Amplifier

### Features

- 48kHz sampling rate, 32-bit DSP chip, 24-bit AD/DA conversion
- MIC channel with master volume control, phase, low cut, 9-band PEQ, noise gate, feedback controller and 4-way MIC independent volume control
- MIC effect with master volume control; echo with adjustable 5-band PEQ, delay and repetition; reverb with adjustable delay, time, space, high/low cut; independent phase control
- Music channel with master volume control, 5-band PEQ and noise gate; VOD, OPT, COAX, BT available for music input; independent volume control for VOD/SPDIF input
- Center channel with independent volume control, 5-band PEQ, low cut, compressor, delay, phase and mute
- Bass output channel with independent volume control, 5-band PEQ, high cut, low cut, compressor, delay, phase and mute
- Front panel with IR receiving function, DSP with 16 user presets

### Handheld Wireless Microphone

- Professional dynamic microphone
- LCD to display battery power and current frequency band
- Two AA batteries for the operation time of 4 hours
- 200 channels available for the switching of high power and low power

### Specification

Wireless MIC Specifications	DSP Specifications
• Frequency Range: 470-960MHz	• Frequency Response: 20Hz-20kHz, -0.5dB
• Number of Adjustable Channels: 200	• S/N Ratio: >105dBu
• Oscillation Mode: digital phase locked loop (PLL) multi-channel frequency synthesis	• Distortion: <0.01% at 1kHz (0dBu)
• Frequency Stability: ±5ppm	• Crosstalk: >70dBu, 20Hz-20kHz
• Modulation Method: broadband FM	• MIC Input Jack: unbalanced 6.3mm JACK
• RF Power: high power: 30mW, low power: 10mW	• MIC Max Gain: 30dBu
• Distortion: ≤0.3%	• MIC Input Impedance: 2KΩ
Power Specifications	• Music Input Jack: unbalanced RCA
• 4Ω Input Power: 750Wx2	• Music Input Level: +12dBu
• 8Ω Input Power: 450Wx2	• Music Input Impedance: 1MΩ/Stereo
• THD: <0.02%	• Bluetooth Input: Bluetooth 5.0, Class2 4dbM frequency: 2.4G
• Frequency Response: 20Hz to 20kHz, +/-1dB	• Fiber Input: 24bit 48KHz
• Input Impedance: 10k	• Coaxial Input: 75Ω
• Input Sensitivity: 0dB	Other Specifications
• S/N Ratio (20Hz-20KHz, 40hms): >100 dB	• Power Supply: AC 220V 50Hz
• Channel Separation (1KHz, 40hms): >70dB	• Weight (Net): 6.6Kg
	• Dimensions (WDXH): 438X350X88mm



## EKAX Power Amplifier Series

### Features

- Anti-vibration structure
- Complete protection circuit for speaker system/overload/high temperature/short circuit protection
- Volume limit device limits the maximum volume to avoid the misoperation
- Dual echoes function(can be switched to one echo) features stereo echo effect to extend the microphone vocal echo width
- Feedback suppression function avoids howling
- 3 band EQ for microphone and music
- Recording and music playing function for convenient connection with the external power amplifier and recording production
- Designed with effect output connector for convenient connection with the external effect
- Remote control for convenient adjustment(microphone and music volume adjusting /input selection/mute)
- Parallel output design of A/B two groups enable to connect 2 pairs of 6-8Ω speaker cabinets when power allowed

### Specification

Model			EKAX-1A	EKAX-2A
Output Power(W)		8Ω	150+150	200+200
		4Ω	225+225	300+300
Frequency Response	Music		20Hz-20KHz	
3 Band EQ	Music	LF Adjusting	100Hz±10dB	
		MF Adjusting	1KHz±10dB	
		HF Adjusting	10KHz±10dB	
	Microphone	LF Adjusting	100Hz±10dB	
		MF Adjusting	1KHz±10dB	
		HF Adjusting	10KHz±10dB	
S/N Ratio			93dB	
Distortion			<0.007%	
Input Signal	Music		170mV	
	Microphone		130mV	





EKA Series Power Amplifier

Features

- This power amplifier series consists of two channel 2UEKA-3A 300W, EKA-6A 600W, EKA-8A 800W power amplifiers
- This series features deep sub-frequency, wide extension HF, balanced LF/MF/HF, low distortion, wide frequency response to suit for vocal frequency response in entertainment application

Application

- Multifunction hall, KTV, bar or outdoor performance

Specification

Model Specification	EKA-3A	EKA-6A
Max Non-distortion Power (8Ω)	300W×2	600W×2
Max Non-distortion Power (4Ω)	450W×2	900W×2
Max Non-distortion Power (2Ω)	600W×2	1200W×2
Max Non-distortion Power (bridge 8Ω)	900W	1800W
Max Non-distortion Power (bridge 4Ω)	1200W	2400W
Damping Factor	600: 1	
S/N Ratio	110dB	
THD	≤0.01% 8Ω rated power 1kHz	
Frequency Response	20Hz-20kHz +/-0.1dB	
Intermodulation Distortion	≤0.01% 8Ω rated power 1kHz	
Input Sensitivity	0.775V, 1.0V, 1.55V	
Input Impedance	10K/20K, bal, unbal	
Input Gain	≤-75dB	
Channel Crosstalk	≤-70dB	
Panel LED	signal , power, clip , protection	
Power Supply	220V/50Hz	
Dimension	483×512× 88mm	
Weight(Kg)	14	18



EKA Series Power Amplifier

Features

- HiFi design, reproducing original sound
- Class H3 rear amplification, clear and bright sound
- Automatically shut down the pre-noise during no signal status; variable speed fan for cooling
- Auto adaptive load impedance, without square wave output, effectively preventing from signal input over-load to avoid distortion
- Connecting with fixed voltage/impedance speaker cabinet, automatically adjusting fixed impedance/voltage output
- Independent gain control of each channel, easily controlling the amplification to suit for speaker cabinet of different power
- Parallel connection of four channels to suit for multiple power amps used simultaneously
- DA soft protection system to avoid the problems of over temperature, short circuit, over current, limit, etc

Application

- Suitable for the background music in conference room/canteen, KTV project, outdoor performance

Specification

Model Specification	EKA-3N	EKA-6N	EKA-8N	EKA-10N	EKA-13N(TD)
Max Undistorted Power(4Ω)	500W	900W	1200W	1400W	2100W
Max Undistorted Power(8Ω)	300W	600W	800W	1000W	1300W
Input Power	AC220V, 1KHz				
Max Harmonic Distortion	0.5%				
Input Gain	41dB/38dB/35dB/32dB				
Input Impedance	30k/15k,balanced/unbalanced				
Frequency Response	20-2000Hz (±0.3dB)				
Slew Rate	≥12V/us				
Damping Factor	≥300				
Crosstalk	>60dB @1KHz				
S/N Ratio	>100dB				
THD + Noise	<0.3% 8Ω, 1W @1kHz				
Intermodulation Distortion (IMD)	<0.5%				
Panel LED	power/protection/clip/signal				
Power Supply	220V/50Hz				
Dimension(mm)	483×88×447mm				
Weight(Kg)	16.5	17.5	18	18	21





EKA series Power Amplifier

Features

- HiFi design, reproducing original sound
- Class H3 rear amplification, clear and bright sound
- Automatically shut down the pre-noise during no signal status; variable speed fan for cooling
- Auto adaptive load impedance, without square wave output, effectively preventing from signal input over-load to avoid distortion
- Connecting with fixed voltage/impedance speaker cabinet, automatically adjusting fixed impedance/voltage output
- Independent gain control of each channel, easily controlling the amplification to suit for speaker cabinet of different power
- Parallel connection of four channels to suit for multiple power amps used simultaneously
- DA soft protection system to avoid the problems of over temperature, short circuit, over current, limit, etc

Application

- Suitable for the background music in conference room/canteen, KTV project, outdoor performance

Specification

Specification \ Model	EKA-403N	EKA-406N
Max Undistorted Power(4Ω)	400W	800W
Max Undistorted Power(8Ω)	300W	600W
Input power	AC220V, 1KHz	
Max Harmonic Distortion	0.5%	
Input Gain	41dB/38dB/35dB/32dB	
Input Impedance	30k/15k,balanced/unbalanced	
Frequency Response	20-2000Hz (±0.3dB)	
Slew Rate	≥12V/us	
Damping Factor	≥300	
Crosstalk	>60dB @1KHz	
S/N Ratio	>100dB	
THD + Noise	<0.3% 8Ω, 1W @1kHz	
Intermodulation Distortion (IMD)	<0.5%	
Panel LED	power/protection/clip/signal	
Power Supply	220V/50Hz	
Dimension(mm)	483×88×447mm	
Weight(Kg)	19	20



EKA-3D Digital Power Amplifier

Features

- Class D power amplifier, switching mode power supply, light weight
- High efficiency circuit, high output power, low consumption, environment friendly
- Gain control, power/signal/protection/clip LED on front panel
- Protection circuit of each channel, DC/thermal/limit protection
- Fan cooling system (front to rear) to ensure reliable operation
- Compact structure and high output power for more applications
- Balanced XLR input connector and professional speakon output connector
- Toggle switch on rear panel to select mono/stereo/bridge operation mode

Application

- Conference room, restaurant background music, KTV project, outdoor activities

Specification

• Output Power: 2*300W/8Ω(2*500W/4Ω, bridge 1000W/8Ω)
• Distortion(1kHz,-10dB/4Ohms): <0.1%
• Frequency Response: 10Hz to 20kHz,+/-1dB
• Input Impedance(bal/unbal): 20K/10K
• Sensitivity: 0dB
• S/N Ratio(20Hz-20KHz,4Ohms): >100dB
• Crosstalk(1KHz,4Ohms): >70dB
• Damping Factor(10-400Hz,8Ohms): >300
• Output: Class D
• Protection: short circuit/DC output/limit/low voltage protections
Control
• Front panel: power switch, CH1-2 gain controls
• Rear panel: mono/stereo/bridge
• Indication: Clip/-10dB/Signal,Mono/Bridge/Status
• Input/Output Connector: XLR female/speakon
• Dimension: W482mm*D358mm*H44mm
• Net Weight: 5.0Kg





## EKA-403D Digital Power Amplifier

### Features

- Class D power amplifier, switching mode power supply, light weight
- High efficiency circuit, high output power, low consumption, environment friendly
- Gain control, power/signal/protection/limit LEDs on the front panel for indication
- DC/thermal/over-load/limit protection design of each channel
- Fan for cooling (front to rear) for reliable operation
- Compact structure, high output power for more applications
- Balanced XLR input connector, SPEAKON output connector
- Toggle switch on rear panel to select mono/stereo/bridge mode

### Application

- Conference, multi-function hall, outdoor activities

### Specification

- Output Power: 4\*300W/8Ω(4\*500W/4Ω, bridge 2\*1000W/8Ω)
- Distortion(1kHz,-10dB/40hms): <0.1%
- Frequency Response: 10Hz to 20kHz, +/-1dB
- Input Impedance (bal/unbal): 20K/10K
- Sensitivity: 0dB
- S/N Ratio (20Hz-20KHz,40hms): >100dB
- Crosstalk (1KHz,40hms): >70dB
- Damping Factor (10-400Hz,80hms): >300
- Output: Class D
- Protection: short circuit/DC/limit/low voltage protection
- Control: Front panel: power switch, CH1-2 gain controls
- Rear panel: mono/stereo/bridge
- Indication: Clip/-10dB/Signal, Mono/Bridge/Status LED
- Input/output Connector: XLR female/speakon
- Dimension: W482mm\*D358mm\*H44mm
- Net Weight: 6.5Kg

# Peripheral Equipment Series





EKV-4A(Pre-effector)

Features

- Optical fiber coaxial signal input ensures original signal reproduction
- 10 band GEQ and 3 band PEQ for music and microphone
- 7 band GEQ and 3 band PEQ for fill channel
- Quick switching of professional menu and standard menu for convenient operation
- Designed with FEEDBACK prevention function button
- Turning-on mode lock function for locking the music/vocal effect and volume
- Memory function button for saving the adjusted effect for next operation

Application

- KTV project installation

Specification

Music Channel	• Microphone4-5 Input Sensitivity: 15mV
• Music Frequency Response: 20Hz~22KHz(±0.5)	• Microphone Signal Max. Output Level: 7V(THD≤0.5%)
• Input Music Signal Sensitivity: 210mV	• Microphone Signal Input Overload Voltage: 220mV(THD≤1%)
• Music Signal Max. Output Level: 7V(THD≤0.5%)	• Output Noise Level: 0.36mV(channel volume/peak volume, A weighted)
• Music Signal Input Overload Voltage: 2.2V(THD≤1%)	Others
• Output Noise Level: 0.19mV(peak main volume, A weighted)	• Power Supply: AC~220V 50Hz
Microphone Channel	• Max. Power Consumption: 10W
• Microphone Frequency Response: 20Hz~20KHz(±0.5)	• Unit Dimension(mm): 480 x 155 x 66(W x D x H)
• Microphone1-3 Input Sensitivity: 15mV	• Weight: 2.5Kg



EKV-306(Digital Audio Processor)

Features

- 3 in 6 out audio processor, DSP operation platform
- 96kHz sample rate, 40-bit DSP processor, 24-bit AD/DA conversion
- The input processing section includes the processing units of gain, mute, link, high cut, low cut, noise gate, 8 PEQ, 31 band GEQ, phase, delay
- The output processing section includes the processing units of crossover, 9 PEQ, gain, mute, compressor, limiter, phase, delay, link
- 3CH inputs, 6CH outputs; All inputs and outputs can be freely matrix assigned
- All PEQ crossover frequency/gain/band width are adjustable, gain stepping 0.1dB, type selection: Peak, H-shelf, L-shelf, LP-6dB, LP-12dB, HP-6dB, HP-12dB, ALLPASS1, ALLPASS2
- All types of high cut/low cut filters and filters can be selected: Butterworth, Linkwitz-Riley, Bessel, slope -6dB/Oct to -48dB/Oct
- All compressor/limiter threshold/soft knee/ratio/attack time/hold time/recovery time are continuously adjustable. Noise gate threshold/hold time/attack time/recovery time are continuously adjustable
- All input/output parameters can be adjusted. Input/output channel names can be revised
- All delay modules has up to 680ms delay, stepping 0.021ms
- Channel parameter setting can be freely copied, built-in test signal generator
- 5 band LED level meter and button operation LED on front panel for indication; code protection function
- 20 user presets, 1 factory preset; Parameter and single preset document can be saved on PC, or downloaded from PC. It can also save multiple preset parameters for recalling freely, and supports Chinese and English operation software for convenient operation
- Controlled via USB or RS232 connector, or remotely timing-controlled via RS485; More than 255 units can be linked via cable or WiFi

Application

- Theater, stage performance, dancing hall, bar

Specification

System Specification	Output Specification	Specification
• Frequency Response: 20Hz~20kHz,-0.3dBu	• Type: bal XLR	• AC: 95V-264V
• S/N Ratio:≥115dBu	• Peak Output Level:+20dBu	• FUSE: 250VAC/2AFast
• Distortion:<0.005 at1kHz(0dBu)	• Impedance:<500Ω	• Dimension(L*W*H): 48x24.5x4.5cm
• Crosstalk:<100dB below full scale	• Load: ≥150ohm	• Weight: 2.62Kg
Input Specification	Digital Processing Specification	
• Type: bal XLR	• Conversion: 24-bit sigma-delta	
• Peak Input Level:+18dBu	• Sample Rate: 96kHz	
• Impedance:1M/ΩStereo;500kΩ/MONO	• LCD: 20x2LCD display for parameter setting and function select	





## EKX-808 (Digital Matrix Processor)

### Features

- 32-bit DSP chip, 96KHz sampling rate, 24-bit AD/DA conversion
- +48V phantom power, switchable MIC/LINK input gain, adjustable MIC input sensitivity
- Input processing includes high cut, low cut, PEQ, independent feedback inhibition, noise gate, gain, mute, phase, linkage adjustment and volume adjustment.
- Output processing includes X-over, PEQ, gain, mute, compressor/limiter, phase, delay, linkage adjustment and volume adjustment.
- The PEQ frequency, gain and bandwidth of all channels are adjustable with types of PEAK, L-SHELF, H-SHELF, LOW CUT, HIGH CUT, ALLPASS1, ALLPASS2.
- All input and output channels can be freely distributed in matrix, and the name of each input and output channel can be changed.
- All input and output channels have the function of independent phase curve adjustment. From the PEQ types, select ALLPASS1 for 180° curve adjustment and ALLPASS2 for 360° curve adjustment.
- The maximal delay time for the delay modules of all output channels is 680mS.

### Application

- Suitable for conference rooms, lecture halls, banquet halls and exhibition halls, etc.

### Specification

System Specifications	Output
• Frequency Response: 20Hz-20kHz, -0.3Db	• Type: balanced connection
• Dynamic Range: 115dBu	• Max Output Level: +18dBu
• Distortion: <0.005% at 1kHz (0dBu)	• Impedance: <500 ohm
• Crosstalk: >70dBu, 20Hz-20kHz	DSP
• Common Mode Rejection Ratio: >75dBu 1KHz	• 24-bit sigma-delta A/D, D/A conversion
MIC Input	• 32-bit DSP, 96kHz sampling rate
• Type: balanced connection	• Power Supply: AC 95V-264V 50/60Hz
• Phantom Power: +48V DC	• Dimensions (L*W*H): 482*254*44mm
• Gain: 50dBu	
• Impedance: 2k ohm	
Music Input	
• Type: balanced connection	
• Gain: 35dBu	
• Max Input Level: +1	



## FE-601(Frequency Shifter)

### Features

- Low impact on audio quality during frequency shifting status, high fidelity, clear sound
- Switch to select mic in or line in
- LCD to display function mode switching
- 6 channel of phantom power microphone bal input connectors
- 6 channel of phantom power selecting switches
- Dual channel input/output RCA connectors
- Linked as a large anti-feedback conference system

### Application

- Conference, speech, meeting

### Specification

• Frequency Shifting Range: 5Hz±1Hz
• Transmission Gain Boost: 5-14 dB
• Line In Impedance: ≥5KΩ
• Line Out Impedance: ≤600Ω
• Frequency Response: 20 Hz-20KHz (non-frequency-shifting status) 150 Hz-15K Hz (frequency-shifting status)
• Operation Voltage: AC220V-230V 50/60Hz
• Power Consumption: 15W
• Microphone Matched: phantom power or non-phantom-power microphone
• Microphone Connector: 6CH XLR and 6CH TRS connectors
• Dimension(W*D*H) : 420*205*44 mm
• Net Weight : 2.6Kg
• Phantom Power: 48V





## EPO-802N(Power Sequencer)

### Features

- Built-in filtering function reduces the external interference
- One button to lock bypass channel for various applications
- Power-on or power-off in turn via the switch on front panel
- 8 sequence channel + 2 bypass channel
- Each of 8 sequence channels has max current 10A
- Each channel has LED for intuitive operation status indication
- Real time operation voltage display
- Multifunction socket to link with multiple power connectors, reliable connection

### Application

- Suitable for conference room, multifunction hall, KTV, bar, project installation, outdoor performance

### Specification

- Input Power: AC 220V/50Hz
- Power Capacity: total 220V, 30A
- Input Power Cord: 3×4mm<sup>2</sup> pure copper RVV cable
- Sequence Channel: 8CH
- Standby Connector: 2pcs
- Connector: 3 pin connector
- On/Off LED: 8 LED(red), one for each
- Input Power LED: one LED(green)
- Factory Setting Sequence Interval: 1s
- Dimension (W×D×H): 482×166×44mm
- Weight: approx 2.85Kg



## EPO-802P(Power Sequencer)

### Features

- 2-inch color LCD smart display shows real-time voltage, date and time, and channel switch status.
- There are eight output channels, and the delay time to switch on/off each output channel can be set freely(0-999s).
- Panel lock function avoids any misoperation.
- Automatic switching on/off can be set through the built-in clock chip without manual operation.
- Support cascade control of multiple devices and automatic cascade detection.
- 232 port supports external central control equipment.
- Each device has its ID setting and detection to realize remote central control.
- 8 groups of preset data can be saved and called for simple scene management.
- Undervoltage detection and overpressure detection
- Power purification function (EMI professional grid filter) provides a purer power supply.

### Application

- Suitable for conference rooms, multi-function halls, KTV, bars, engineering installations and outdoor performances, etc.

### Specification

- Rated Output: AC 220V, 50Hz
- Power Supply: AC 220V 50/60Hz 30A
- Single-channel Output Current: 13A
- Total Output Current: 30A
- Weight: 4Kg
- Dimensions: 536\*410\*80mm (Package)





FE-224N(Feedback Suppressor)

Features

- 24 independent programmable filters for each channel
- Independent dual channel processing
- Live and fixed filter modes
- Automatic live filtering
- Filter application selection (Music/Speech)
- Independent level indication for each input channel
- Each channel has 24 input level LEDs
- 2\*XLR & 2\*TRS balanced input and output
- Button lock switch on the rear panel

Specification

Analogue Input	System Performance
• 2*XLR male & 2*1/4" TRS connector: balanced/unbalanced, RF filter suppression	• Sample Rate: 48 kHz
• Input Impedance: 30k ohm balanced/15k ohm unbalanced	• Dynamic Range: 106dB, A-weighted
• Peak Input Level: +15 dBu	• THD: 0.01%, 1 kHz
Analogue Output	• S/N Ratio: 106dB, A-weighted
• 2*XLR female & 2*1/4" TRS connector: balanced/unbalanced, RF filter suppression	• Frequency Response: 20Hz to 20 kHz, +/- 0.5 dB
• Output Impedance: 100 ohm balanced/50 ohm unbalanced	• Channel Crosstalk: 86dB, A-weighted
• Peak Input Level: +15 dBu	• Input to Output Crosstalk: 86dB, A-weighted
A/D	• Operating Voltage: 100-240V AC 50/60 Hz
• Dynamic Range: 114 dB, A-weighted	• Power Consumption: 15W
• A/D Conversion: 24 bit	Dimension and Weight
D/A	• Dimension: 483x195x44mm
• Dynamic Range: 106 dB, A-weighted	• Net Weight/Gross Weight: 2.4kg/3.5Kg
• D/A Conversion: 24 bit	



TS-AD1(Antenna Amplifier)

Features

- UHF wide frequency band(450~950MHz)design enable 4 sets of receiver to share the antenna
- Built-in power distribution system supplies power for 4 receivers
- Built-in power supply circuit in the antenna input interface supplies power for the antenna amplifier directly
- Independant protection circuit for each power port assures the normal operation of the other units when one of the receiver has a breakdown
- The main power switch controls the power supply of all devices

Application

- Engineering application, outdoor performance

Specification

• Frequency Range: 450~950MHz
• Antenna Interface: TNC/50Ω
• Max. Output Power: -3dBm
• Total Gain: >3dB
• Output Port Separation: >15 dB
• Antenna Input Port Power: DC 8V/100mA
• Power Input Voltage: 12V/3000mA



TS-AD2(Antenna Amplifier)

Features

- UHF wide frequency band(450~950MHz)design, built-in signal amplifier
- Built-in attenuation switch, selectable output signal strength
- High front-to-rear ratio antenna effectively suppress the rear interference signal
- Common RF transmission cable for power supply, it saves the cable material and is convenient for use
- Waterproof characteristic for outdoor use

Application

- Engineering application, outdoor performance

Specification

- Frequency Range: 450~950MHz
- Antenna Gain: >4 dBi
- Amplifier Gain: 10/6 dB
- Antenna Interface: TNC/50Ω
- Max. Output Power: +0 dBm
- SWR: <2.0
- Antenna Power Supply: DC 8V/50mA



TS-AD4(Antenna Amplifier)

Features

- TS-AD2 extension cable can not meet the requirement of more than 3m application. To extend the operation range, TS-AD4 antenna meets the requirement of 3~20m extension cable
- TS-AD4 suits for 450~950MHz antenna signal. It is used with TS-AD2 together to effectively increase the receiving range and transmission stability
- RF transmission cable is used as power supply, and provides about 14dB gain
- Al housing for better heat dissipation and reliable performance
- Waterproof function for outdoor applications

Application

- Used with TS-AD2

Specification

- Suitable Frequency Band: 450~950 MHz
- Gain: 0~14dB±1dB (used with TS-AD2)
- Noise: <2.5dB (frequency band center)
- System Impedance: 50Ω
- RF transmission cable is also used as power supply
- Connector: TNC×2



XR-612FX(Mixing Console)

Features

- 6 XLR and TRS balanced input socket
- Stereo TRS balanced input socket
- Gain control + 48V phantom power
- Mono channels with 3-band EQ; Stereo with 4-band EQ
- Two auxiliary sends: auxiliary sends AUX1 with PRE/POST switch for change between pre-fader or post-fader, auxiliary sends AUX2 is fixed on pre-fader and monitor DSP effect
- Mute, PFL and signal present LED on all input channels
- Channel with SUB1-2 and MAIN L-R allocation switch
- CD/Tape IN sends to the main output or monitoring output
- Monitoring provides pre-attenuation and post-attenuation, two different control signal routings
- Balanced XLR and TRS output
- Built-in 24 bit digital effects processor, 100 pre-setting, effect mute function and peak LED

Specification

Input Channel	Stereo Channel	USB Input
• Microphone Input: balanced XLR	• High: ≤15dB@12KHz	• Built-in USB full speed (12Mbps)
• Frequency Response: 20Hz to 50KHz±3dB	• High Mid: ≤15dB@3KHz	• Supports the USB mass storage class
• Gain Range: 0dBa50dB MIC	• Low Mid: ≤15dB@500KHz	MP3 Decode
• SNR (Signal to Noise Ratio): <-100dB	• Low: ≤15dB@80KHz	• Supports sampling rates of 8KHz, 16KHz, 32KHz, 11.025KHz, 22.05KHz, 44.1KHz, 12KHz, 24KHz and 48KHz
• Phantom Power: +48V with switch	DSP Section	• Supports bit rate 8 to 320 and VBR (variable bit rate) except free format
• Line Input: electronically balanced 1/4" TRS	• A/D & D/A Converters: 24 bit	Electrical Specifications
• Frequency Response: 20Hz to 50KHz±3dB	• DSP Resolution: 24 bit vocal, small room, large hall, echo	• Frequency Response: 20Hz-20KHz
• Sensitivity: +15dBu±3dB	• Type of Effects: echo + verb, flanger + verb, plate, chorus GTR, rotary GTR, tremolo GTR	• Signal/ Noise Ratio: >90dB
Impedances	• Presets: 100	• 1KHz Distortion: <0.04%
• Microphone Input: 1.4KOhm	• Controls: 100 position PRESET selector (10 presets, 10 variations)	
• All Other Inputs: 10KOhm	"mute" switch with indicator light	
• Tape Out: 1KOhm	Main Mix Section	
• All Other Output: 120Ohm	• Bus Noise: fader 0dB, mute -82dB (ref.+4dB)	
Equalization	all input channels, unity gain -70dB	
Mono Channel		
• High: ±15dB@12KHz	• Max. Output: +22dBu unbalanced, 1/4" jacks	
• Mid: ±15dB frequency range 100Hz to 8KHz	• Aux Sends Max. Outputs: +22dBu	
• Low: ±15dB@80KHz	• Aux Returns Gain Range: -∞to +15dB	





XR-1016FX(Mixing Console)

Features

- A mixer console with 10 mono channel, 6 stereo channel, 4 groups and 9-band EQ
- 10 XLR and TRS balanced input port
- 6 stereo TRS balanced input port
- Super low noise preamplifier and +48V phantom power
- Designed with SUB1-2, SUB3-4 and MAIN L-R signal assignment switch for each channel
- 4 auxiliary transmission for each channel: AUX1 and AUX2 auxiliary transmission with PRE/POST switch for monitoring the using effect and sound processor input, whether controlled by fader or not is to switch the PRE/POST switch; additional auxiliary transmission DFX1 and DFX2 for monitoring the external or internal DSP effect when it is set at the post of the fader
- Mono channel features 3-band EQ and adjustable mid frequency, stereo channel features 4-band EQ
- INSERT and XLR port for each mono channel for convenient and flexible connection with various audio equipment
- CD/Tape IN can be distributed to the main output and monitor/headphone output
- USB port provides 5V/0.5A power supply
- 9-band graphic EQ
- 24-byte internal effector with 100 presets, effect mute and peak LED indicator

Specification

- |   |  |
|---|--|
| • 10 mono input channel with gold-plated XLR and balanced 6.3mm socket, with high-pass filter, the cut-off point is 75Hz, -18dB/Oct | • Each input channel with MUTE/ALT1-2/ALT3-4, SOLO switch and signal LED/ overload LED   |
| • With gain and +48V phantom power for mono input channel   | • TAPE IN/TAPE OUT with shut-off switch  |
| • 6 stereo input channel with 6.3mm socket and level selection switch   | • Matrix(MAIN MIX/SUB1-2/3-4) and decentralized output level for headphone/ control room |
| • Effector with 99 kinds of effect  | • Balanced XLR and 6.3mm output socket   |
| • Output signal with 9-band graphic EQ  | • Product Dimension: 440 x 480 x 108mm   |
| • Mono input channel with 3-band EQ and adjustable mid frequency  | • Net Weight: 5.5Kg  |
| • Stereo input channel with 4-band fixed EQ   |  |
| • 4 AUX output: AUX1 with PRE/POST fader for foldback; AUX4 at fader post for sending the effect                                    |  |



XR 26(Digital Mixer)

Features

- 26-channel input includes: 12 microphone inputs, 2 stereo inputs, 3 digital stereo inputs (S /PDIF, USB sound card, USB playing).
- 12-circuit bus designs, 8-circuit BUS output channels, 1-circuit stereo main output, 3-circuit stereo digital outputs (S / PDIF + AES / EBU, USB sound card, USB recording).
- All microphone input channels have independent + 48V power supply and high-quality voice amplifier, and realize operation control through software.
- All input channels have independent low-cut, PEQ, compressor, noise reducer processing.
- All output channels have independent high and low cut, PEQ, compressor processing.
- The main output channel has independent 31-segment GEQ processing, which can support to send to the electric fader control in mirror mode.
- All input and output channels can be freely linked to stereo state.
- The names and colors of all channel labels can be customized.
- There are two built-in independent professional stereo effectors, with independent sending bus and multiple effect types to select.
- There is a built-in U disk player, which supports real-time stereo recording and play function.
- There is built-in USB sound card, which supports real-time recording and play function connected with PC.

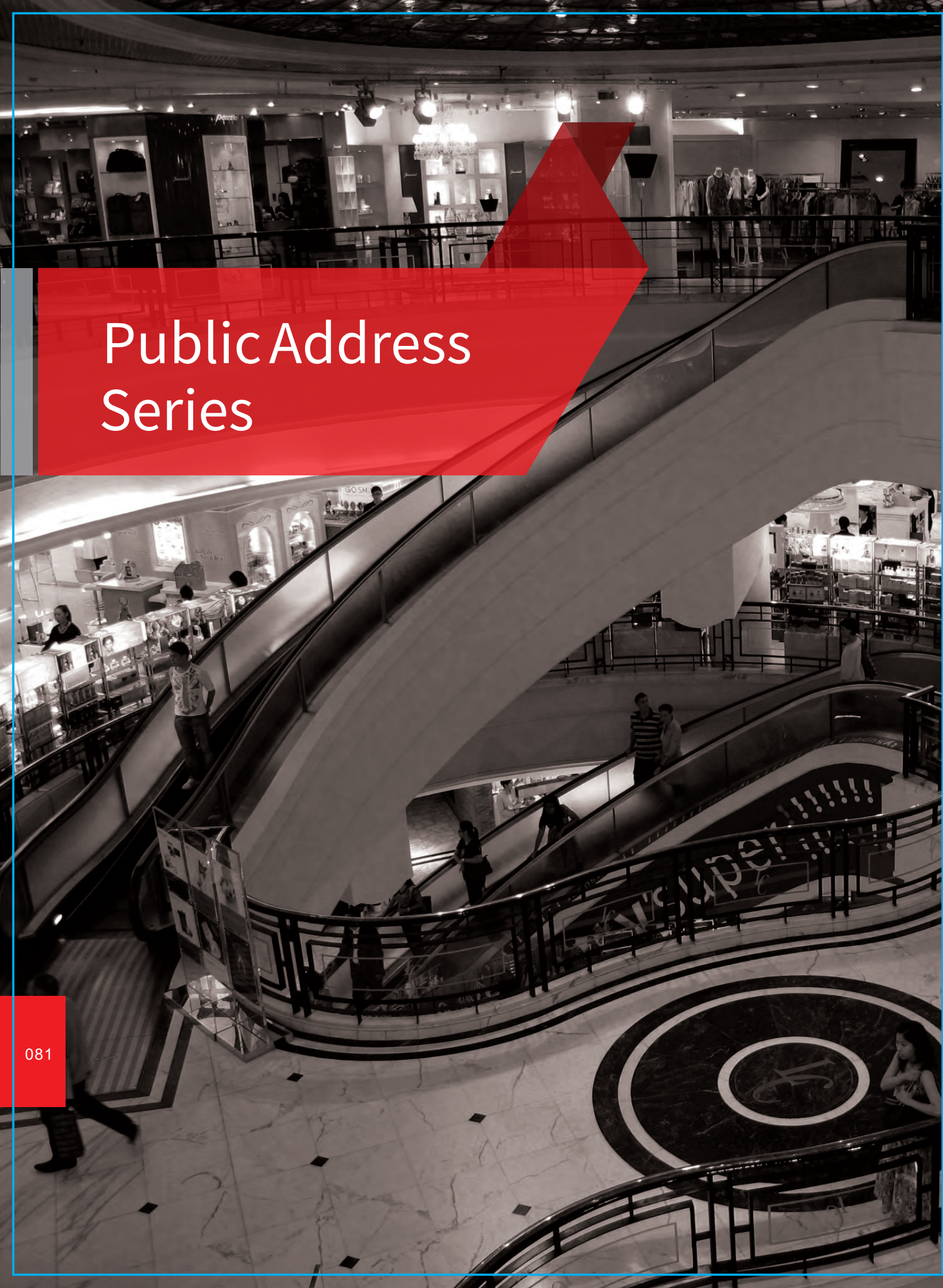
Application

- Used for sound amplification in ballrooms, music halls, stage performances, live audio program recording and other application environments

Specification

- |  |
|--|
| • Input Channel: 26 channel input:12 channel microphone; 4 mono channel;2 stereo; 3 digital stereo                     |
| • Output Channel: 12 channel output; Main output L/R; 6 BUS outputs;Monitor output /L/K; Headphone output L/R          |
| • Recording Interface: Dual-track USB sound card/Double-track U disk recording storage                                 |
| • Input Gain: Microphone gain -20~+70; Line gain -20~+20   |
| • Input and Output Impedance: Microphone / line input: 5kΩ / Output: 200Ω  |
| • Frequency Response: 20Hz~20kHz: +/-0.5   |
| • Total Harmonic Distortion Plus Noise THD+N: -20dBFS @ 1kHz: <0. 01%  |
| • Noise: Noise level(20/20k band-pass): -85dBu, Noise level(A): -88 dBu  |
| • Dynamic Range: -107dB  |
| • Crosstalk:Isolation between channels(+4dBu lk) : -96dB   |
| • Phase Difference:Phase difference between channels(+4dBu lk) : <0.1°   |
| • Equivalent Noise:-122dBu   |
| • Delay:< 3ms  |
| • Sampling Frequency:48K   |
| • USB:Maximum current: 500mA   |
| • Phantom Power:+48V, Software control management  |
| • Power:Power consumption (typical value): <65W, Voltage Range:100~240VAC, Auto-induction AC Frequency: 47~63Hz        |
| • Operating Condition:Temperature range: -20 ~55 °C  |
| • Effector:2 independent effector channels, Effect types include: Hall, Room, Plate, Church, Delay, Chorus ,Flanger    |
| • Threshold:Threshold: -80~ 0dB, Range : -80~ 0dB, Attack : 1 ms~ 120 ms, Release: 10ms ~ 4000 ms, Hold: 1 ms~ 2000 ms |





# Public Address Series



## EBS-1C(Digital Central Controller)

### Features

- SCM control, single key shuttle, graphic interface, multi-level menu operation mode
- True color 3.0 inch TFT display for intuitive operating status
- Switchable Simplified Chinese/Traditional Chinese/English language
- 2GB memory, max 32G SD card
- Supports weekly timing program and special date timing program
- Supports linking with the PC for editing the timing program, fully automatic power supply, PA zone management
- High precision Maxim RTC clock for timing accuracy up to second
- Fire linkage function for playing the fire alarm music file
- Supports linking with the external power sequencer and controls the external equipments by short circuit signal output
- Supports local PA paging and tele-mic-paging
- Paging controlled by power supply shortcut key, easy and intuitive operation
- Timing playing the program in memory/SD card, 8CH audio timing outputs, 3CH timing power supply outputs
- Powerful music playing function, supports MPEG 1/2 Layer 3, WMA, WAV, OGG, APE, FLAC audio formats
- Powerful media library function for flexible user management of the music documents according to actual requirement
- Powerful audio effect processing function, supports 3D audio/sub-frequency/Play-FX sound effects
- HiFi audio decoding
- Supports HD microphone recording/line in recording/FM recording
- Built-in HD FM radio FM 88-108MHz; supports recording the selected FM program freely
- Supports visual remote control(visual remote control/non-screen remote control for selection)

### Specification

• Recording Input: MIC 5mV LINE 500mV	• Zone Output: 8 zone outputs, totally max output 3200W
• Output: LINE 500mV unbalanced	• Controllable Power Supply Output: -220V/50Hz(Max.1600W)
• S/N Ratio: ≥85dB	• Net Weight: 5Kg
• Distortion: <0.1%(1KHz)	• Unit Dimension(mm): 485 x 395 x 95mm
• Frequency Response: 20Hz~20KHz±3dB	





EBS-2C(Pre-amplifier)

Features

- 10CH input channels including 5 microphone inputs, 3 standard line(AUX) inputs, 2 emergency line inputs
- Microphone 1 takes the top priority input function, emergency inputs(ENC1/2) take the second priority, microphone(MIC 2/3/4/5) and line(AUX1/2/3) inputs take the third priority
- Both microphone input channel and line(AUX) input channel have independent volume controls; ENC1/2 have no volume control; automatically ducking to -30dB; designed with independent treble and bass control

Specification

- Microphone Input: 600Ω, 10mV(-54dBV), unbalanced
- Line Input: 60Hz~18KHz
- Frequency Response: 60Hz~18KHz
- Non-linear Distortion: THD<0.01@1KHz
- Communication Speed: 4800bps
- S/N Ratio: microphone: 65dB, line: 85dB
- Line Output: 600Ω, 1V, unbalanced
- Power Supply: 220V/50Hz
- Power Consumption: 10~15W
- Dimension: 485 x 340 x 88mm
- Weight: 7Kg



EBS-06M/EBS-12M



EBS-24M

EBS Series(PA System)

Features

- Built-in MP3 decode player and FM radio player, switchable play mode
- Supports USB stick and SD card for song storage and convenient song changing, remote control for easy operation
- Designed with 2 microphone inputs, 2 line inputs and 1 aux output
- Two output modes: fixed voltage output 70V/100V, fixed impedance output 4~16Ω
- Each channel has independent volume control, with treble/bass volume adjustment
- Microphone1 has the top priority
- Protection warning function: the corresponding LED lights up when clip/overload/thermal/short circuit protections happen

Specification

Model	EBS-06M	EBS-12M	EBS-24M
Output Power	60W	120W	240W
Output Way	4~16ohms(Ω) fixed impedance, 70V/100V fixed voltage		
Aux Output	600 ohms(Ω)/1V(0dBV)		
Microphone Input	600 ohms(Ω)/10mV(-54dBV)unbalanced		
Line Input	10K ohms(Ω)/250mV(-10dBV)unbalanced		
Frequency Response	60Hz~18KHz		
Distortion	<0.1% at 1KHz, 1/3 rated power output		
S/N Ratio	Line: 70dB, Microphone: 66dB		
Gain Range	Bass: ±10dB(100Hz), Treble: ±10dB(10KHz)		
Protection	AC fuse: DC voltage, overload and short circuit protection		
Power Supply	AC220V~240V/50~60Hz		
Power Consumption	120W	220W	480W
Fuse	5A	5A	8A
Dimension	485 x 284 x 66mm	485 x 284 x 66mm	485 x 284 x 66mm
Weight	5.5Kg	6.5Kg	11Kg





EBS-24A/EBS-50A

EBS Series(PA Power Amplifier)

Features

- Advanced high efficiency amplifying circuit, high output power and strong load capacity
- Fan for heat dissipation and reliable operation
- RCA/XLR connectors, adjustable volume
- Protection warning function for abnormal operation
- 2U standard enclosure design, Al alloy panel

Specification

Model	EBS-24A	EBS-50A
Output Power	240W	500W
Output Way	4-16 ohms(Ω)fixed impedance output, 70V/100V fixed voltage output	
Aux Output	600 ohms(Ω)/1V(0dBV)	
Microphone Input	600 ohms(Ω)/10mV(-54dB)unbalanced	
Line Input	10 KOhm(Ω)/250mV(-10dBV)unbalanced	
Frequency Response	60Hz~18KHz	
Distortion	<0.1% at 1KHz, 1/3 rated power output	
S/N Ratio	Line: 70dB, Microphone: 66dB	
Gain Range	Bass: ±10dB(100Hz), Treble: ±10dB(10KHz)	
Protection	AC fuse: DC voltage, overload and short circuit protection	
Power Supply	AC220V~240V/50~60Hz	
Fuse	8A	10A
Dimension	485 x 410 x 90mm	485 x 410 x 90mm
Weight	14Kg	16Kg

EBS-6C(Ceiling Speaker Cabinet)

Features

- Full range speaker cone, transparent tone, flat frequency response
- Powerful clip for quick and convenient installation

Application

- Hotel, supermarket

Specification

- Rated Power: 3W/6W
- Voltage: 70V/100V
- Dimension(mm): φ198
- Open Pore Dimension(mm): φ168
- Frequency Response: 110Hz~13KHz



EBS-10W(Wall Speaker Cabinet)

Features

- Clear and charming tone, flat music frequency response

Application

- Indoor application, e.g. classroom, supermarket

Specification

- Frequency Response: 120Hz-18KHz
- Sensitivity: 89dB
- Voltage: 100V
- Rated Power: 10W





EBS-25W(Column Speaker Cabinet)

Features	
• Rugged and waterproof Al enclosure	
• Transparent tone,exquisite contour, professional dust-proof design	
Application	
• Outdoor use, e.g. supermarket, station, school, park, enterprise	
Specification	
• Rated Power: 25W	• Dimension: 145 x 130 x 410mm
• Voltage: 70V/100V	• Enclosure: Al alloy

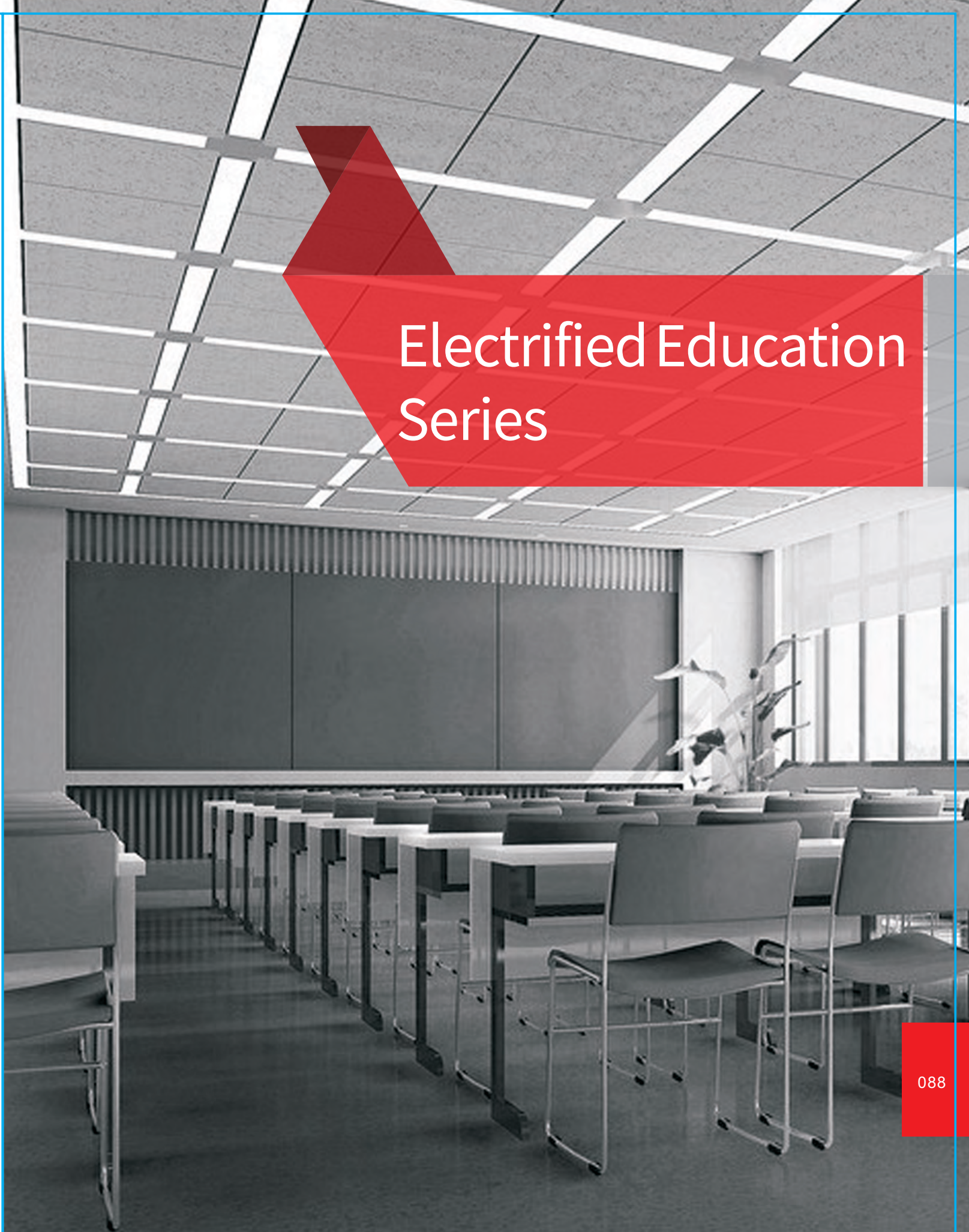


EBS-45W(Column Speaker Cabinet)

Features	
• Rugged and waterproof Al enclosure	
• Transparent tone,exquisite contour, dust-proof design	
Application	
• Outdoor use, e.g. supermarket, station, school, park, enterprise	
Specification	
• Rated Power: 45W	• Speaker Quantity: 4pcs
• Input Voltage: 70~100V	• Speaker Dimension: 4 inches
• Sensitivity: 91dB	• Dimension: 145 x 120 x 560mm
• Frequency Response: 90~16KHz	



Electrified Education Series







EKA-D3A(Power Amplifier)

Features

- Designed with microphone effect adjusting function
- Balanced LF/MF/HF, low distortion, wide frequency response, vivid and prominent vocal
- Automatic overload protection, air flow heat dissipation
- 2~16Ω load capacity, 5 channel outputs including L/R channel, one mid and two surround outputs

Application

- Classroom, small conference room

Specification

- Main(L/R) Channel Rated Power: 30Wx2(8Ω)
- Aux Channel: 15Wx3(8Ω)
- THD: <1.5%(1KHz, 1W, 8Ω)
- Frequency Response: 20Hz~20KHz, ±20dB
- S/N Ratio: 78dB(A weighted)
- Channel Crosstalk: 32dB
- Input Sensitivity: 350mV
- Microphone Input Sensitivity: 18mV
- Power Consumption: 60W
- Power Supply: AC220V/60Hz
- Dimension(W x D x H): 430 x 320 x 75 (mm)



EKS-031(Electrified Education Speaker Cabinet)

Features

- One 3 inch full range cone speaker unit of wide frequency response, clear vocal and high sensitivity
- The rational configuration of speaker with cabinet and vent tube offers flat frequency response even without crossover designed, natural sound, without the consumption on the crossover
- Durable matte black paint finish; horizontally and vertically adjustable wall installation speaker stand for convenient installation

Application

- Small conference hall, audiovisual room, background music playing application

Specification

- Rated Power: 30W(AES)
- Rated Impedance: 8Ω
- Frequency Response: 100Hz-18KHz (±3dB)
- Sensitivity: 88dB (1W/1M)
- Coverage: H100°× V100°
- Max SPL: 100dB
- Installation: wall installation
- Connection: pressing connector
- Cabinet: 9mm MDF
- Finish: matte black paint
- Speaker Unit: 3" × 1 (25mm) , 70 magnet
- Dimension(W x D x H): 114.0×122.5×166(mm)





EKS-032(Electrified Education Speaker Cabinet)

Features

- Two 3 inch full range cone speaker unit of wide frequency response, clear vocal and high sensitivity
- The rational configuration of speaker with cabinet and vent tube offers flat frequency response even without crossover designed, natural sound, without the consumption on the crossover
- Durable matte black paint finish; horizontally and vertically adjustable wall installation speaker stand for convenient installation

Application

- Small conference hall, audiovisual room, background music playing application

Specification

• Rated Power: 60W(AES)
• Rated Impedance: 4Ω
• Frequency Response: 100Hz-18KHz (±3dB)
• Sensitivity: 92dB (1W/1M)
• Coverage: H100°×V85°
• Max SPL: 106dB
• Installation: wall installation
• Connection: pressing connector
• Cabinet: 9mm MDF
• Finish: matte black paint
• Speaker Unit: 3"×2 (25mm) , 70 magnet
• Dimension(mm): 114.0×122.5×221.5 (W×D×H)
• Weight:1.95kg



EKS-061(Speaker Cabinet)

Features

- EKS-061 is a built-in 2 way full range speaker cabinet
- The 6.5 inch woofer features wide frequency response, clear vocal and high sensitivity
- The 3 inch tweeter features exquisite tone
- Clear and natural music/vocal performance

Application

- Used with EKA-D3A power amplifier for filling application in small conference hall, classroom, KTV

Specification

• Rated Power: 60W(AES)	• Suspension: horizontal suspension
• Peak Power: 240W(AES)	• Connection: binding post
• Rated Impedance: 6Ω	• Enclosure: 12mm MDF
• DC Impedance: 4.4Ω	• Finish: black PVC
• Frequency Response: 70Hz~19KHz(±3dB)	• HF: 3" x 1(13mm)45 magnet steel
• Sensitivity: 89dB	• LF: 6.5" x 1(25mm)85 magnet steel
• Coverage: H90° x V55°	• Dimension(mm): 305 x 180 x 208(W x D x H)
• Max SPL: 100dB	• Weight: 3.1Kg
• Crossover Frequency: 2500Hz	



## Features

- 60\*30 seamle

## Features

## CO\*20 - sample

## Features

## Telephone: 1-800-368-6868

