

TAKSTAR®

AUDIO SYSTEM

2022-2023



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 30,000m².**



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 180,000m².**



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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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



Dust-Free Capsule Workshop



Wave Soldering 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



Automatic Screwing Machine



Laser Marking Machine

Testing Equipment

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



Central Laboratory



Audio Precision



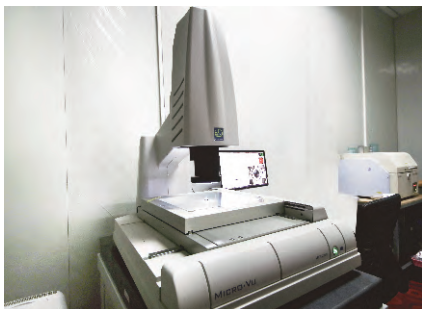
B&K Analyzer



Electroacoustic Instrument



X-Ray Fluorescence Tester



3D Measuring Instrument



Temperature & Humidity Testing Machine



Drop Test Equipment



Bluetooth Headset Acoustic Auto-Test System



Bluetooth Headset RF Auto-Test System



Bluetooth Basic Function Test System



Solution

Outdoor Performance



Solution Connection Diagram



Recommended Solution Configuration

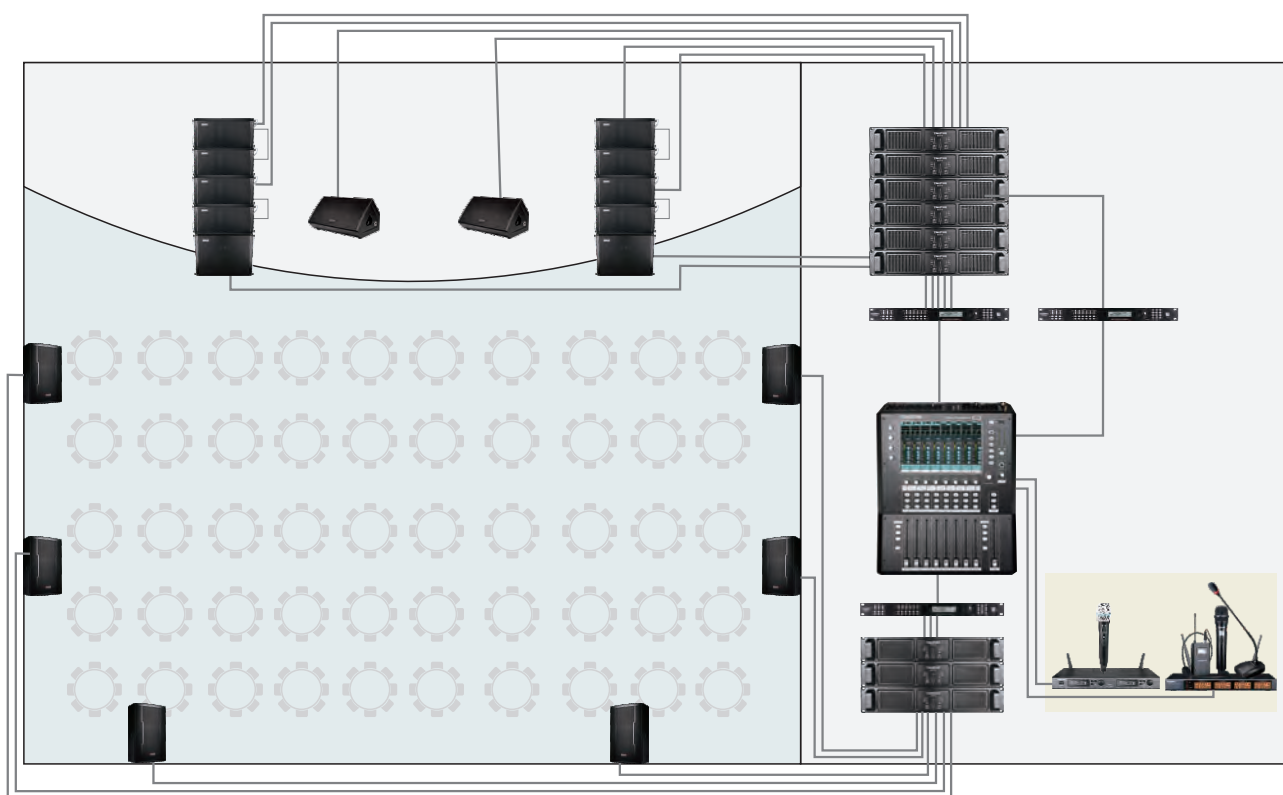
Type	Model
Performance microphone	M-2R
Mixer	XR 26
Antenna system	TS-AD1
Antenna system	TS-AD2
Power sequencer	EPO-082N
Monitor speaker	ELV-121M

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	ELA-121
Subwoofer	ELV-182

Banquet Hall



Solution Connection Diagram



Recommended Solution Configuration

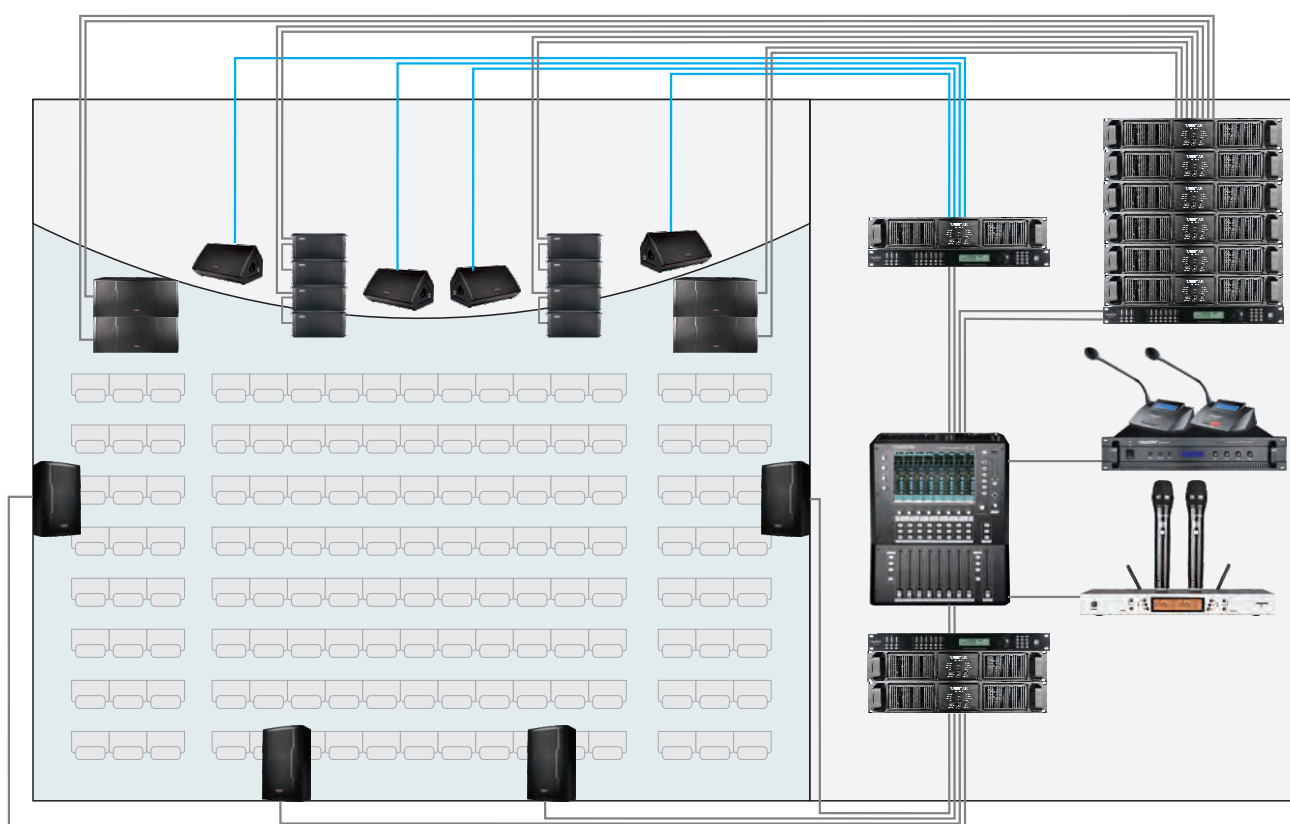
Type	Model
Line array	ELA-082
Line array	ELA-181
300W line array power amplifier	EKA-3N
800W line array power amplifier	EKA-8N
1200W line array subwoofer power amplifier	EKA-12N
15 inch full range filling speaker	ELV-151
15 inch full range frontfill speaker	ELV-151
800W filling power amplifier	EKA-8N

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

Report Hall



Solution Connection Diagram



Recommended Solution Configuration

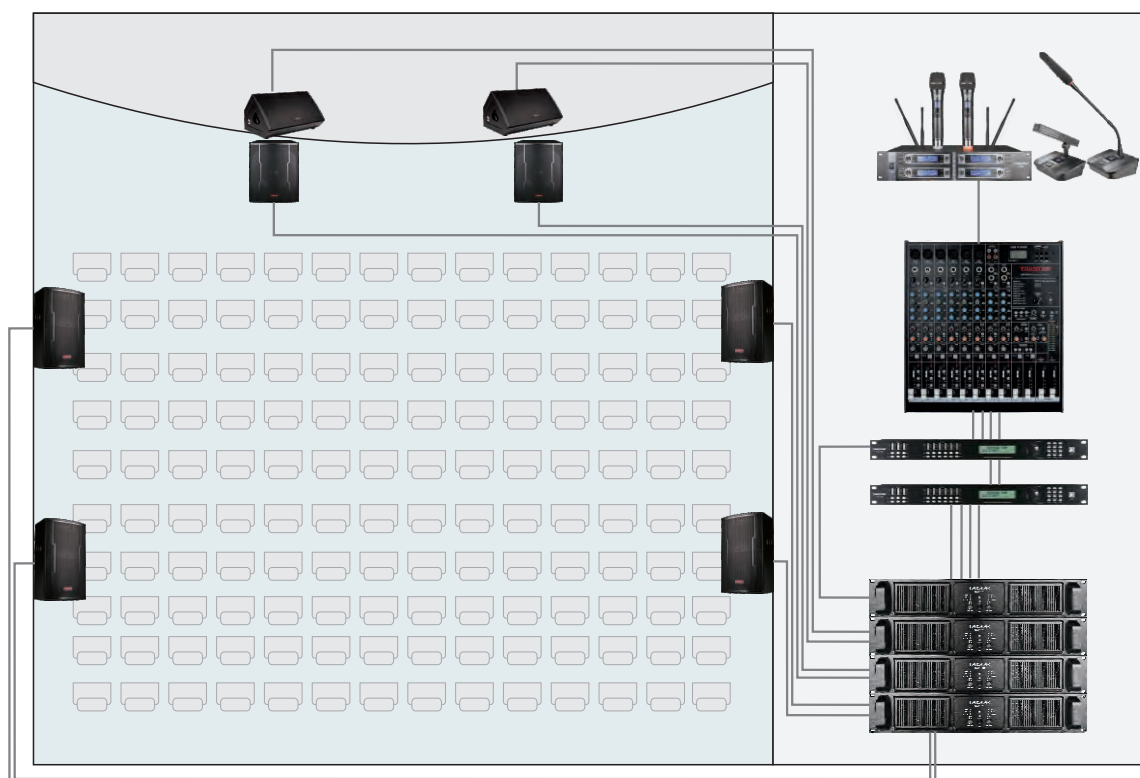
Type	Model
Main speaker	ELA-121
Aux speaker	ELV-101
Monitoring speaker	ELV-121M
Subwoofer	ELV-182
Main speaker HF power amplifier	EKA-3N
Main speaker LF power amplifier	EKA-6N
Aux speaker power amplifier	EKA-6N
Monitoring power amplifier	EKA-6N
Subwoofer power amplifier	EKA-13N

Type	Model
Mixer	XR 26
Wireless microphone	G5
Conference system	DG-S100
Digital audio processor	EKX-306

Multifunctional Hall



Solution Connection Diagram



Recommended Solution Configuration

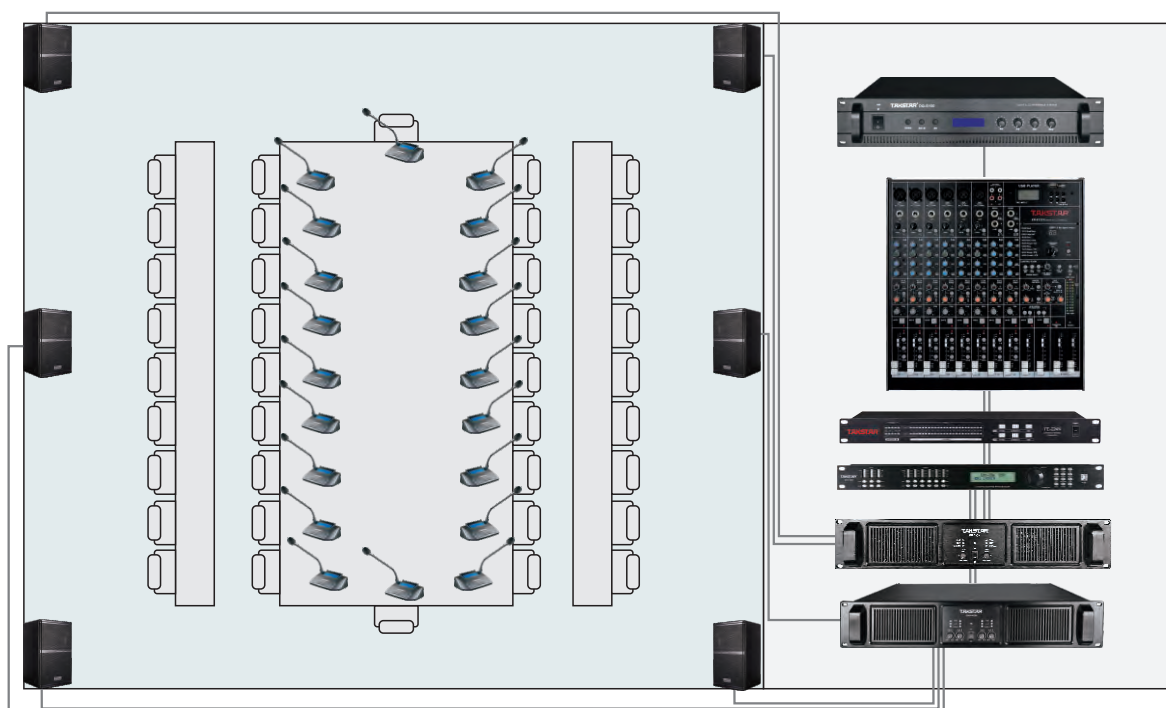
Type	Model
Subwoofer	ELV-181
12 inch aux speaker	ELV-121
15 inch main speaker	ELV-151
Monitoring speaker	ELV-121M
600W power amplifier	ELV-6N
800W power amplifier	ELV-8N

Type	Model
1300W power amplifier	ELV-13N
Digital audio processor	EKX-306
Mixer	XR-612FX
Wireless microphone	G 108

Conference Room



Solution Connection Diagram



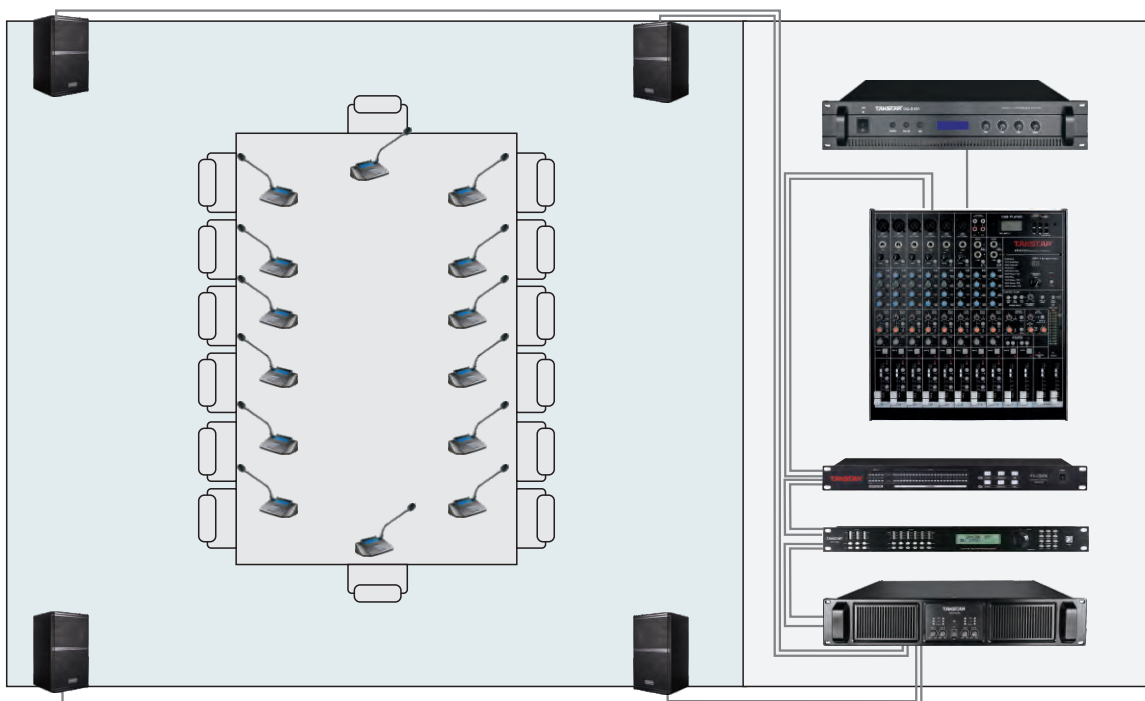
Recommended Solution Configuration

Type	Model
10 inch main speaker	EKS-101
8 inch aux speaker	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

Conference Room



Solution Connection Diagram



Recommended Solution Configuration

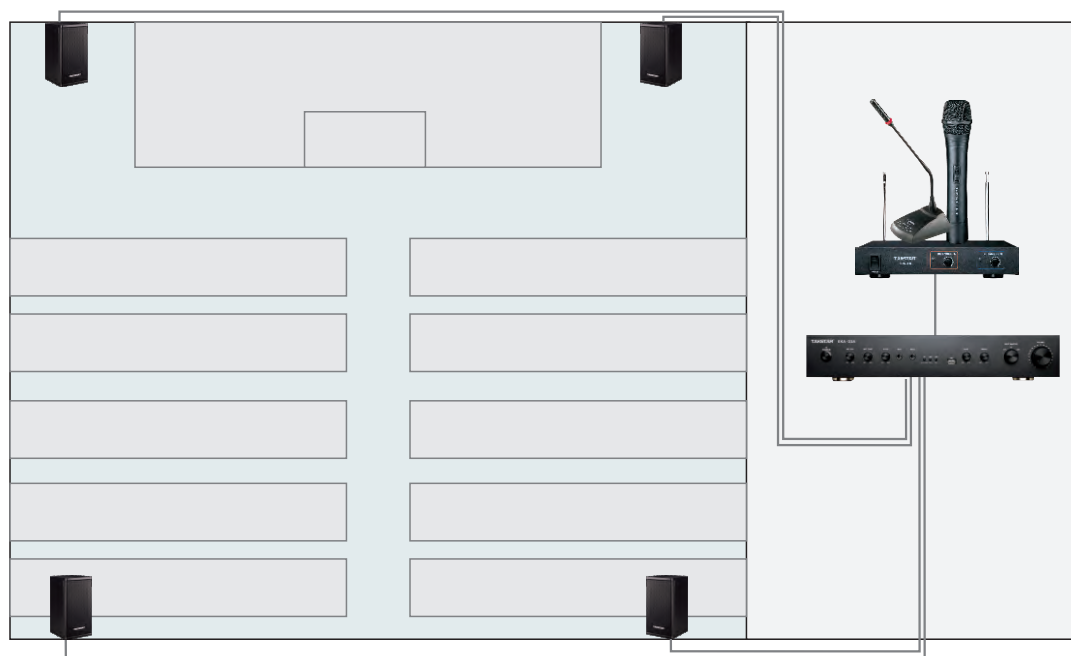
Application	Type	Model
<div> <div></div> <div>Medium Conference</div> </div>	8 inch main speaker	EKS-081
	300W 4CH power amplifier	EKA-403N
	Feedback suppressor	FE-224N
	Equalizer	EQ 3102
	Mixer	XR-612FX
	Conference system	DG-S100

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

Electrified Education System



Solution Connection Diagram



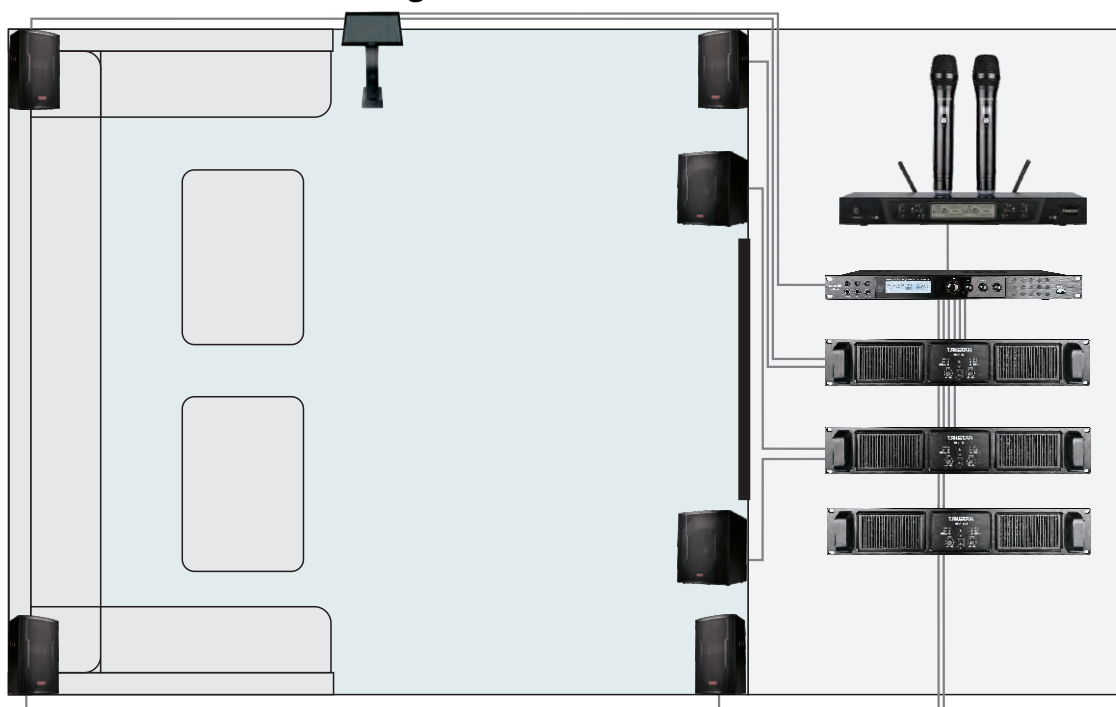
Recommended Solution Configuration

Application	Type	Model
<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> Electrified Education Room </div>	Main speaker	EKS-032
	Filling speaker	EKS-031
	Electrified power amplifier	EKA-D3A
	Wireless microphone receiver	TC-2R
	Wireless handheld microphone	TC-TD
	Wireless bodypack microphone	TC-TL

KTV Entertainment



Solution Connection Diagram



Recommended Solution Configuration

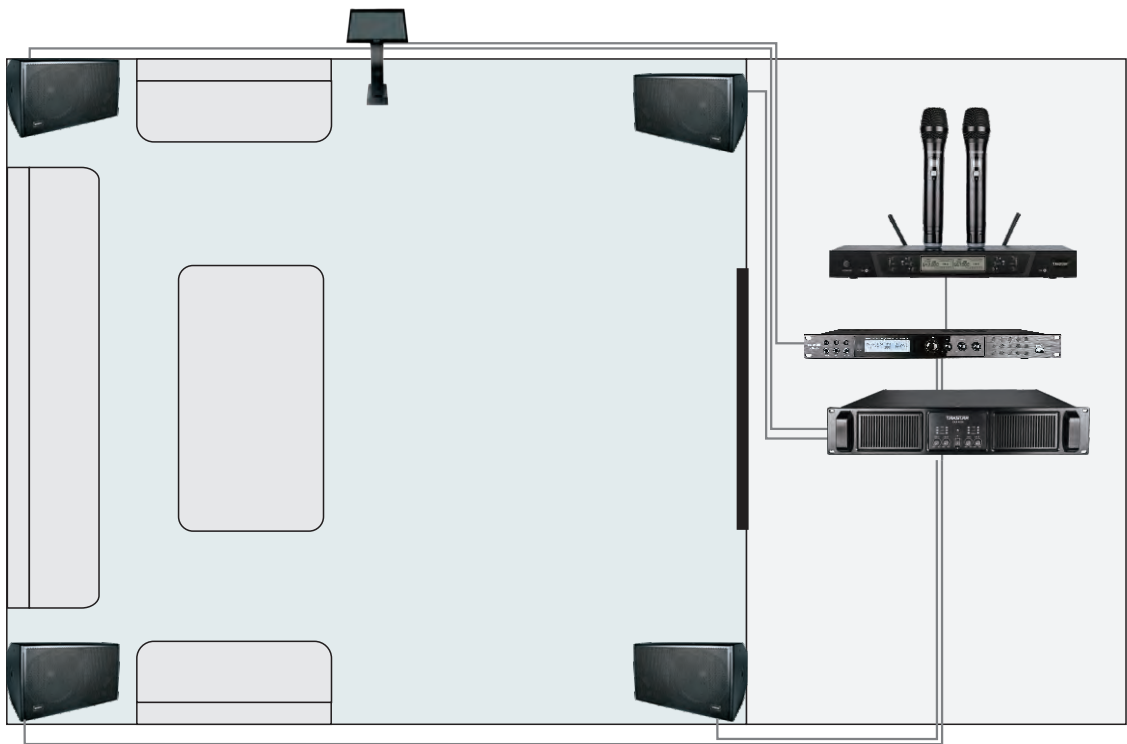
Application	Type	Model
<div style="color: red;">■</div> VIP Luxury Room (50-70m ²)	18 inch subwoofer	ELV-181
	1300W power amplifier	EKA-13N
	15 inch main speaker	ELV-151
	800W power amplifier	EKA-8N
	12 inch aux speaker	ELV-121
	600W power amplifier	EKA-6N
	Pre-effector	EKX-5A
	Wireless microphone	G5
<div style="color: red;">■</div> KTV Small Room (approx.20m ²)	10 inch speaker	EKV-101
	600W power amplifier	EKA-3N
	Pre-effector	EKX-5A
	Wireless microphone	G5

Application	Type	Model
<div style="color: red;">■</div> KTV Medium Room (approx. 30m ²)	Main speaker	EKV-121
	10 inch aux speaker	EKV-101
	Pre-effector	EKX-5A
	Power amplifier	EKA-406N
	Wireless microphone	G5
<div style="color: red;">■</div> KTV Large Room (approx.50m ²)	Main speaker	EKV-121
	Power amplifier	EKA-8N
	12 inch aux speaker	EKV-121
	Power amplifier	EKA-6N
	Pre-effector	EKX-5A
	Wireless microphone	G5

Family Entertainment



Solution Connection Diagram



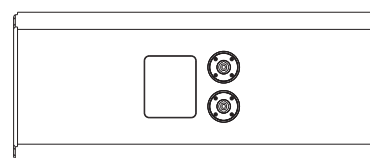
Recommended Solution Configuration

Application	Type	Model
Luxury Villa	Main speaker	EKV-121
	Aux speaker	EKV-101
	Pre-effector	EKX-5A
	4CH power amplifier	EKA-406N
	Wireless microphone	G5
Economical Home	Full range speaker	EKV-101
	200W power amplifier	EKAX-1A
	Wireless microphone	TS-6720

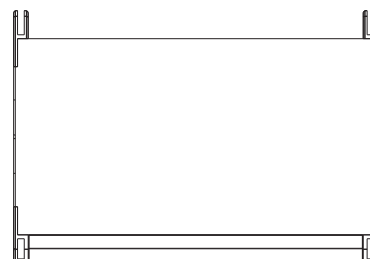
Application	Type	Model
High Class Home	Full range speaker	EKV-101
	300W power amplifier	EKA-3A
	Pre-effector	EKX-5A
	Microphone	G5

Line Array Series

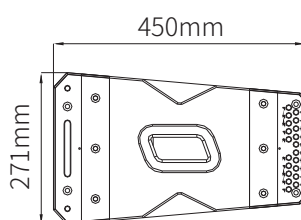




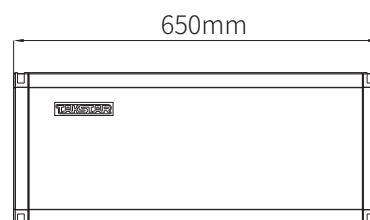
Rear View



Top View



Side View



Front View

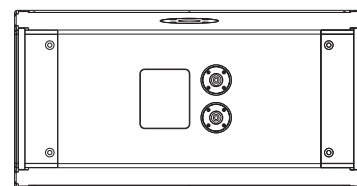
ELA-082(Full Range Speaker)

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 resistant 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

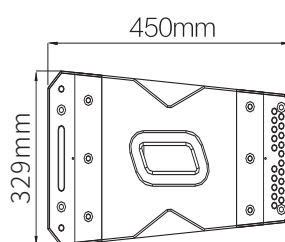
MFLF Unit-Speaker	HF Unit-Speaker	Other Specification
• OD: 8"	• OD: 90mm	• Directivity: 90° x 8°
• Voice Coil Dia.: 50mm	• Voice Coil Dia.: 44mm	• Wood: 18mm plywood
• Magnet: ferrite 160mm	• Magnet: NdFeB	• Dimension: 450 x 650 x 271mm(W x D x H)
• Sensitivity: 95dB	• Sensitivity: 110dB	• Connector: 2pcs, IN: MFLF 1+/1-, HF 2+/2-
• Rated Impedance/Power: 8Ω/200W(AES)	• Rated Impedance/Power: 8Ω/80W(AES)	• Cable: 1.5mm ² 4 core audio cable
• Frequency Response: 73Hz-4KHz	• Frequency Response: 1.2KHz-20KHz	• Weight: approx. 25.9Kg
MFLF Unit-Speaker	HF Unit-Speaker	
• Quantity: 2pcs	• Quantity: 2pcs	
• Rated/Peak Power: 440W(AES)/1600W(AES)	• Rated/Peak Power: 1600W(AES)/320W(AES)	
• Power Amplifier Matched: 800W x 2, two speakers parallel	• Power Amplifier Matched: 300W x 2, two speakers 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 woofers series)	• Impedance: 16Ω two tweeters series	



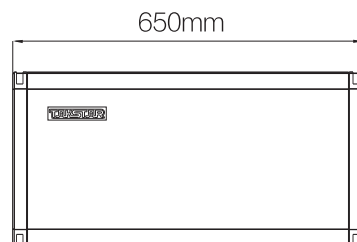
Rear View



Top View



Side View



Front View

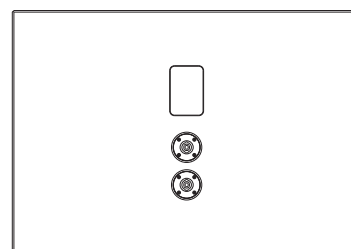
ELA-121(Full Range Speaker)

Features

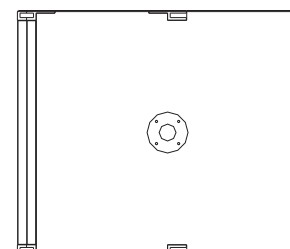
- Refined HF & MFLF speakers
- 12" MFLF unit uses 75mm voice coil and NdFeB magnet for light weight, high sensitivity, low distortion, wide frequency response and charming tone
- Parallel magnet loop of HF speaker for better heat dissipation and sufficient magnetic flux
- Polymer HF diaphragm for soft 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

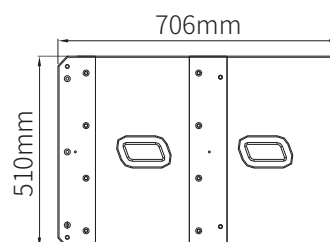
MFLF Unit-Speaker	HF Unit-Speaker	Other Specifications
• OD: 12"	• OD: 123mm	• Directivity: 100° x 8°
• Voice Coil Dia.: 75mm	• Voice Coil Dia.: 65mm	• Enclosure: 18mm plywood
• Magnet: NdFeB	• Magnet: NdFeB	• Dimension: 450 x 650 x 329mm(W x D x H)
• Sensitivity: 98dB	• Sensitivity: 109dB	• Connector: 2 pcs, 1IN: 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	HF Unit-Speaker	
• Quantity: 1pc	• Quantity: 1 pc	
• Rated Power: 600W(AES)	• Rated Power: 150W(AES)	
• Power Amplifier Matched: 800W x 2, two speakers parallel	• Power Amplifier Matched: 300W x 2, two speakers parallel	
• Crossover Range: 50Hz-1700Hz	• Crossover Range: 1700Hz-18000Hz	
• Filter: HPF BW-24, LPF BW-48	• Filter: HPF Lk-24, LPF Lk-24	



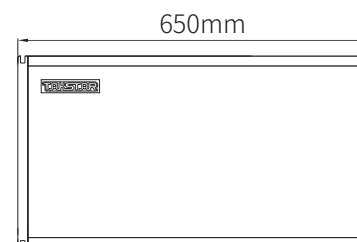
Rear View



Top View



Side View



Front View

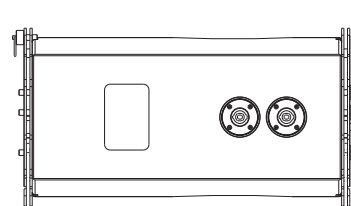
ELA-181(Subwoofer)

Features

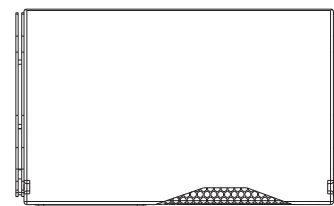
- The suspension part of ELA-181 matches with that of the vertical dimension of ELA-082 full range speaker and can be connected together. When more quantity is needed, ELA-082 and ELA-181 can also be suspended in one line independently, e.g. eight ELA-082 in one line, and four ELA-181 in one line for 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

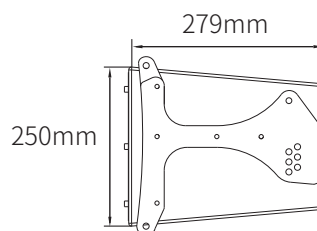
• OD: 18 inch	• Speaker Impedance: 8Ω
• Voice Coil Dia.: 100mm	• Directivity: no
• Magnet: ferrite 220mm	• Power Amp Matched: 1300W x 2 paralleled
• Sensitivity: 99dB	• Crossover Range: 25Hz-100Hz
• Rated Power: 1300W(AES)	• Filter: HPF Bwt24, LPF Bwt24
• Peak Power: 5200W(AES)	• Enclosure: 25+18mm plywood
• Rated Impedance: 8Ω	• Dimension: 650 x 510 x 706mm(W x D x H)
• DC Impedance: 5.6Ω	• Connector: 2pcs, IN: 1+/1-
• Frequency Response: 30Hz-1000Hz	• Cable: 1.5mm ² 2 core audio cable
• Quantity: 1pc	• Weight: approx. 55.7Kg



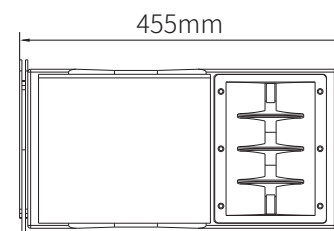
Rear View



Top View



Side View



Front View

ESA-081(Full Range Speaker)

Features

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

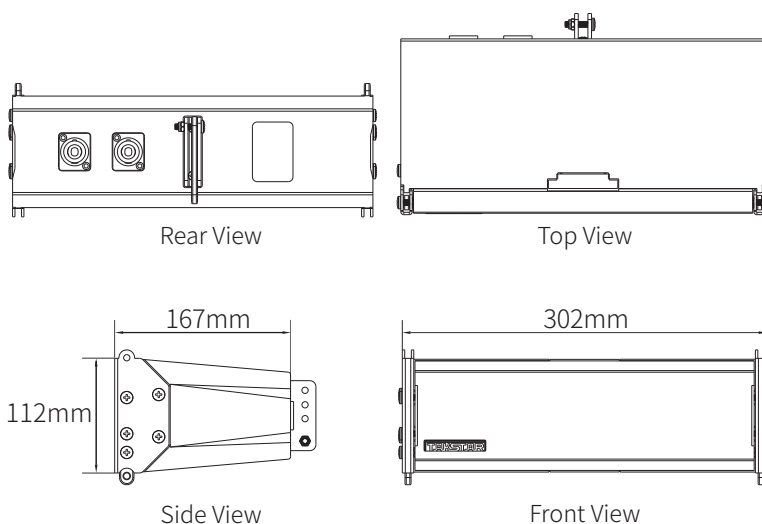
Application

- 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×NL4 speakon(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)





ECA-032(Full Range Speaker)

Features

- The line array is designed with 3 inch 20mm cone MFLF 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 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

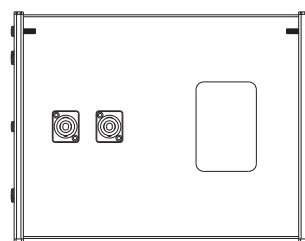
Application

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

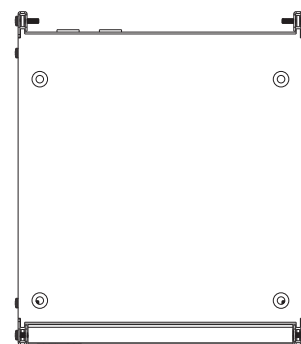
Specification

- Rated Power: 80W(AES)
- Rated Impedance: 16Ω
- Frequency Response ($\pm 3\text{dB}$): 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)

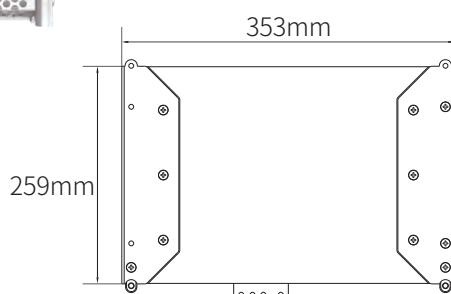




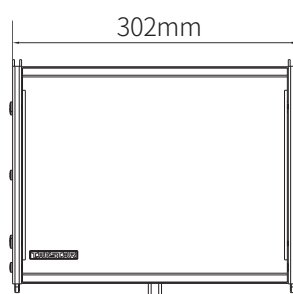
Rear View



Top View



Side View



Front View

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 Al pieces. The speaker quantity can be adjusted according to the actual installation requirement
- Convenient installation, connected with ECA-032 full range speakers easily

Application

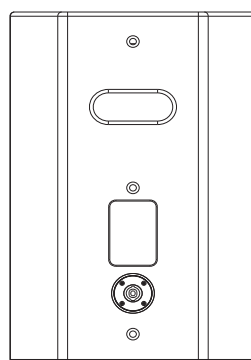
- Medium or small banquet hall, multifunction hall, large conference room

Specification

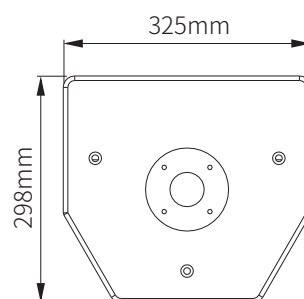
- Rated Power: 200W(AES)
- Rated Impedance: 8Ω
- Frequency Response ($\pm 3\text{dB}$): 60Hz-1kHz
- Sensitivity (1W/1M): 92dB
- Max SPL: 112dB
- Crossover Frequency: 125Hz
- Filter: HP Bwt24, LP Bwt24
- Suspension/Installation: flying suspension
- Wiring: 2×NL4speakon (IN1+,1-; LINK1+,1-)
- Enclosure: 15mm plyboard
- Finish: white painting
- Subwoofer: 8"×1 (35mm), 110 magnet
- Dimension(mm): 302×353×259mm (W×D×H)
- Net Weight: 7.5kg

A black and white photograph of a KTV room. In the foreground, there is a large, ornate, tufted leather sofa. In front of the sofa is a low, dark coffee table with a glass top, holding several small items. The background features a wall with a diamond-patterned acoustic panel and a large arched mirror. A red geometric overlay is positioned in the upper right, containing the text 'EKV Speaker Series'.

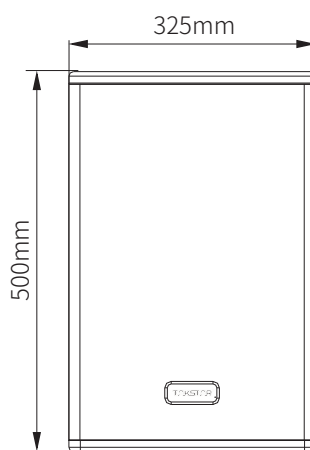
EKV Speaker Series



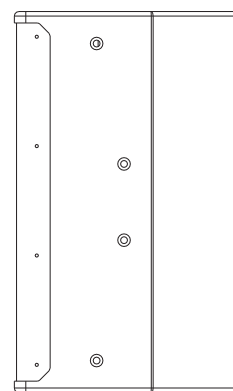
Rear View



Top View



Front View



Side View

EKV-101(Full Range Speaker)

Features

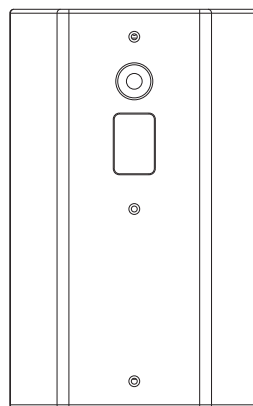
- EKV-101 consists one 10 inch 65mm voice coil woofer and one 36mm ferrite magnet steel HF with high polymer diaphragm, soft and delicate tone
- The speaker endures wide dynamic power and keep stable performance for long time music playing
- Glass fiber acoustic foam is used inside the cabinet to decrease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

Application

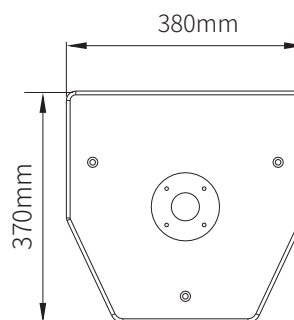
- KTV, bar

Specification

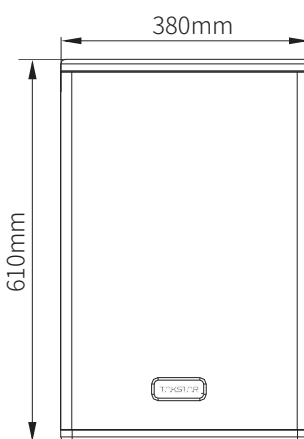
• Rated Power: 400W(AES)	• Suspension/Installation: vertical or horizontal
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speakon (IN1+, 1-, LINK2+, 2-)
• Frequency Response: 65Hz-19KHz (±3dB)	• Enclosure: 15mm plywood
• Sensitivity: 94dB	• Finish: black painting
• Coverage: H80° x V60°	• HF: 1.4" x 1 (36mm, 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



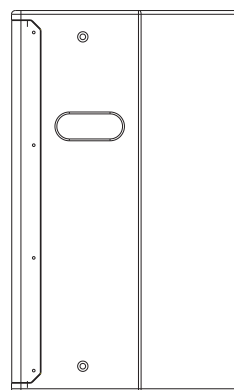
Rear View



Top View



Front View



Side View

EKV-121(Full Range Speaker)

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 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

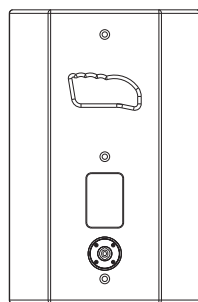
- KTV, bar

Specification

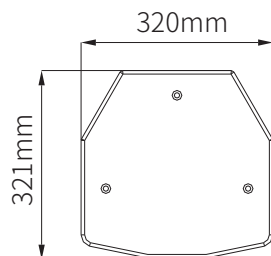
• Rated Power: 600W(AES)	• Suspension/Installation: vertical or horizontal
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speakon(IN1+, 1-, LINK2+, 2-)
• Frequency Response: 40Hz-19KHz(±3dB)	• Enclosure: 15 + 18mm plywood
• Sensitivity: 96dB	• Finish: black painting
• Coverage: H90° x V90°	• HF: 1.75" x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

ELV Speaker Series

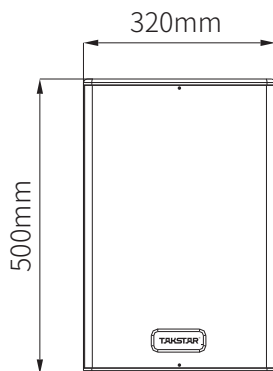




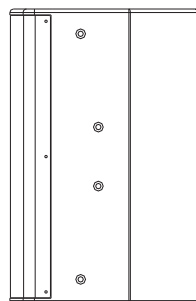
Rear View



Top View



Front View



Side View

ELV-101(Full Range Speaker)

Features

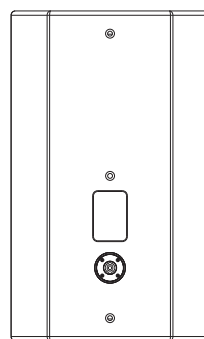
- This 10 inch full range professional speaker (with one 34mm HF) uses refined cone, voice coil and spider
- CELESTION HF driver for high sensitivity, rich bass, wide vocal, charming and clear MFHF to suit for Karaoke application
- The unit structure consists of one 10 inch 65mm voice coil cone woofer 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 and high-quality capacitor to assure crossover network stability
- Trapezoidal enclosure eliminates the standing wave inside and improves the bass pureness

Application

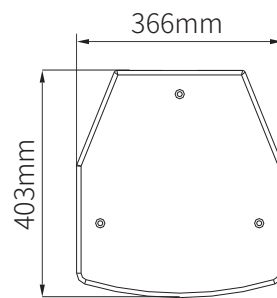
- Luxury KTV, conference room, multifunctional hall

Specification

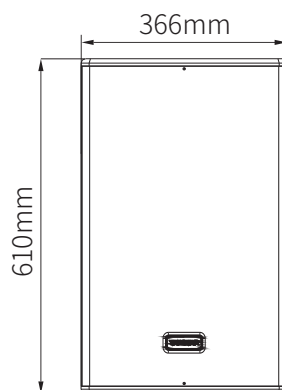
• Rated Power: 500W(AES)	• Crossover Frequency: 2300Hz
• Peak Power: 2000W(AES)	• Suspension/Installation: horizontal or vertical
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector(IN 1+, 1-, LINK 2+, 2-)
• DC Impedance: 7Ω	• Enclosure: 15mm plywood
• Frequency Response: 62Hz-20KHz(±3dB)	• Finish: black painting
• Sensitivity: 94dB	• HF: 1.34" x 1 (34mm, 25mm throat), 102 magnet
• Coverage: H100° x V55°	• 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



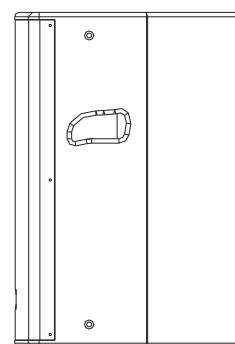
Rear View



Top View



Front View



Side View

ELV-121(Full Range Speaker)

Features

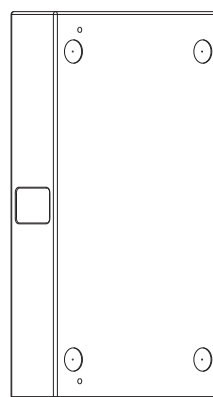
- ELV-121 professional speaker uses one 12 inch woofer with refined cone/voice coil/spider and one B&C HF driver to offer high sensitivity, rich and powerful bass, clear and charming MFHF
- The unit structure consists of one 12 inch 75mm voice coil cone woofer and one 44mm ferrite magnet HF
- The woofer 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 uPVC horn to offer smooth and delicate treble when amplifying the HF sound pressure
- The uPVC horn features high rigidity, good damping factor and excellent acoustic properties
- The crossover uses extremely low-consumption OFC inductor and high-quality capacitor to assure crossover network stability
- Trapezoidal enclosure eliminates the standing wave inside and improves the bass pureness

Application

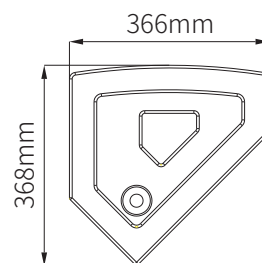
- Disco bar, luxury KTV, conference room, multifunctional hall

Specification

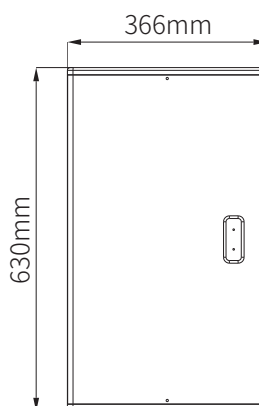
• Rated Power: 700W(AES)	• Crossover Frequency: 2200Hz
• Peak Power: 2800W(AES)	• Suspension/Installation: horizontal or vertical
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector(IN 1+, 1-, LINK 2+, 2-)
• DC Impedance: 6.8Ω	• Enclosure: 18mm plywood
• Frequency Response: 60Hz-18KHz(±3dB)	• 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



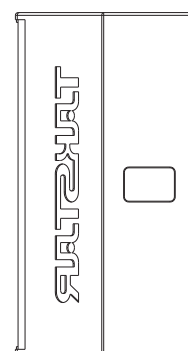
Rear View



Top View



Front View



Side View

ELV-121M(Full Range Speaker)

Features

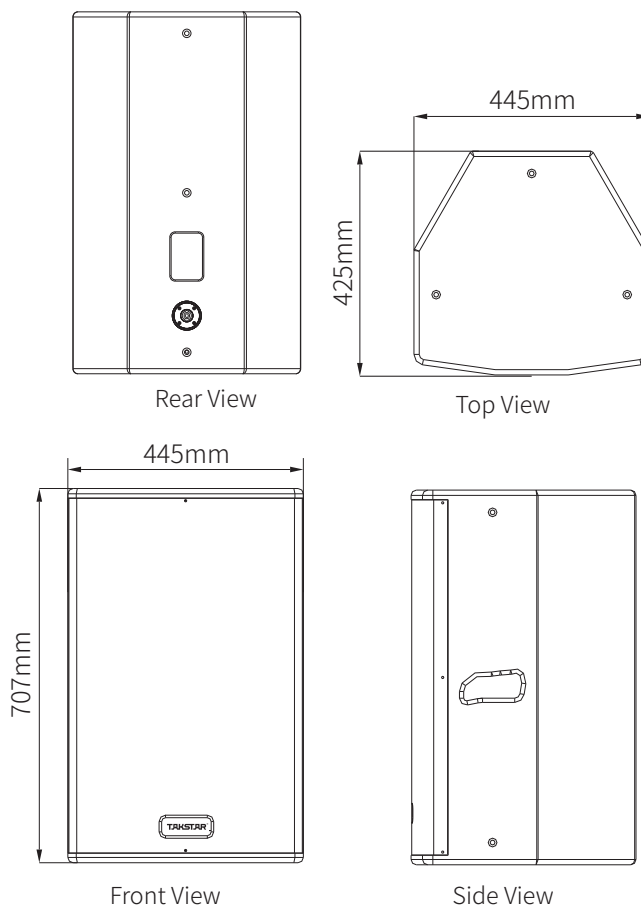
- The unit structure consists of one 12 inch 75mm voice coil cone woofer and one HF unit (ferrite magnet, 44mm voice coil)
- The woofer uses refractory voice coil for reliable performance, CONEX spider for durable performance and symmetric magnet circuit to extremely reduce the odd-order harmonic distortion
- The HF unit uses 1 inch throat and uPVC horn for smooth and delicate treble when amplifying the HF sound pressure
- The uPVC horn features high rigidity, good damping factor and excellent acoustic properties
- The crossover uses extremely low-consumption OFC inductor and high-quality capacitor to assure 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)

Features

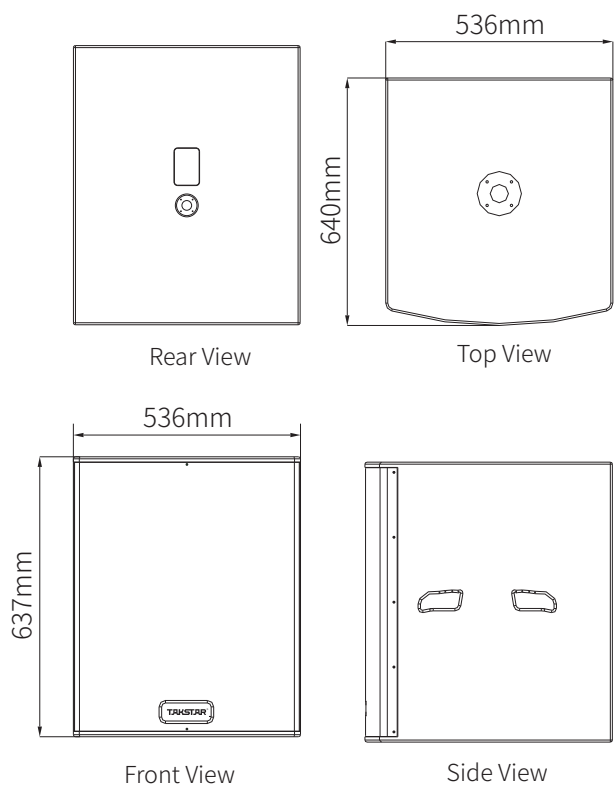
- The unit structure consists of one 15 inch woofer and one B&C HF driver
- The 15 inch woofer uses UKM cone, refractory voice coil and refined spider
- High sensitivity, powerful bass, clear and charming MFHF suits for entertainment applications
- The woofer uses rigid UKM cone to reproduce natural instrument tone, powerful bass, low distortion, vivid, natural and penetrating vocal
- 44mm HF unit features flat & delicate treble and wide MF
- One inch throat and big uPVC horn offers smooth and delicate treble when amplifying the HF sound pressure. The uPVC horn features high rigidity, good damping factor and excellent acoustic properties
- The crossover uses extremely low-consumption OFC inductor and high-quality capacitor to assure 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

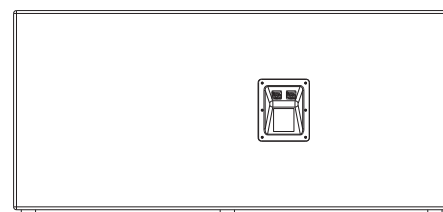
- Uses one 18 inch 220 magnet high quality subwoofer with 100mm refractory voice coil and stiff cone
- Elegant contour, high sensitivity and rich powerful bass suits for indoor entertainment applications
- The cabinet uses 18mm plywood and its baffle uses 25mm plywood, with painting finish for anti-moisture
- 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
- 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

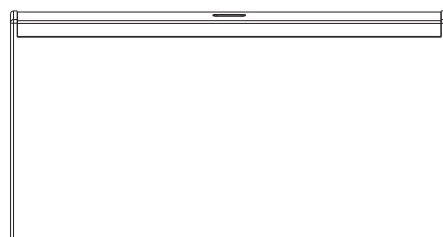
- Used with full range speaker in disco bar, luxury KTV

Specification

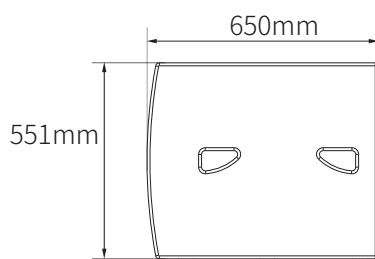
• Rated Power: 1300W(AES)	• Crossover Frequency: set within 25Hz-130Hz
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector(IN1+, 1-, LINK2+, 2-)
• Frequency Response: 30Hz-500Hz	• Enclosure: 18mm plywood(baffle: 25mm plywood)
• Sensitivity: 98dB	• Finish: black painting
• Coverage: no directivity after filtering	• LF: 18" x 1(100mm), 220 magnet
• Max SPL: 126dB	• Dimension(mm): 536 x 640 x 673(W x D x H)
• Crossover Mode: external crossover	• Weight: 40Kg
	• Socket: pole mounting



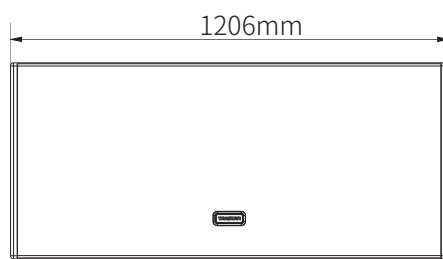
Rear View



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

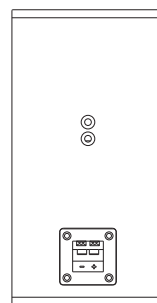
- Suitable for the sound reinforcement system of large-scale performances, disco bars, KTV, etc.

Specification

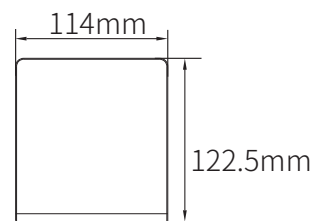
- Rated Power: 4Ω/2400W (AES), 8Ω/1200W (AES)
- Rated Impedance: 8Ω and 4Ω (switchable based on connection method)
- Frequency Response: 30Hz-500Hz (±3dB)
- Sensitivity: 102dB
- Coverage: no directivity
- Max SPL: 133dB
- Connection: 2×NL4 speakon, connecting 1+, 1- or 2+, 2- for operation, no parallel use of two speakers
- Enclosure: 18mm plywood
- Finish: black painting
- LF Unit: 18"×2 (100mm), 220 magnet
- Dimensions(mm): 1206×650×551 (W×D×H)
- Net Weight: 90Kg



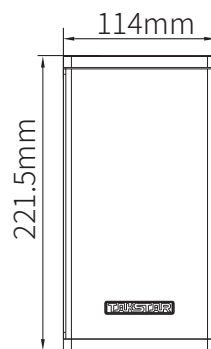
EKS Speaker Series



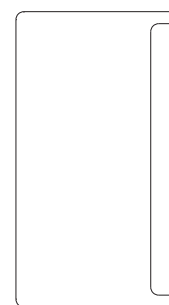
Rear View



Top View



Front View



Side View

EKS-032(Electrified Education Speaker)

Features

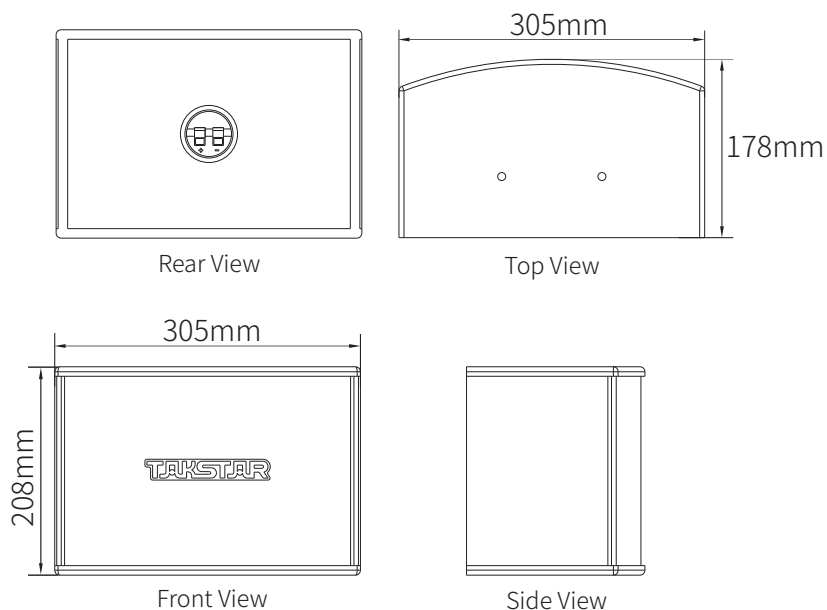
- Two 3 inch full range cone speaker unit of wide frequency response, clear vocal and high sensitivity
- The rational configuration of speaker with cabinet and vent tube offers flat frequency response even without crossover designed, natural sound, without the consumption on the crossover
- Durable matte 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(± 3 dB)
- Sensitivity: 92dB(1W/1M)
- Coverage: H100°×V 85°
- 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(Electrified Education Speaker)

Features

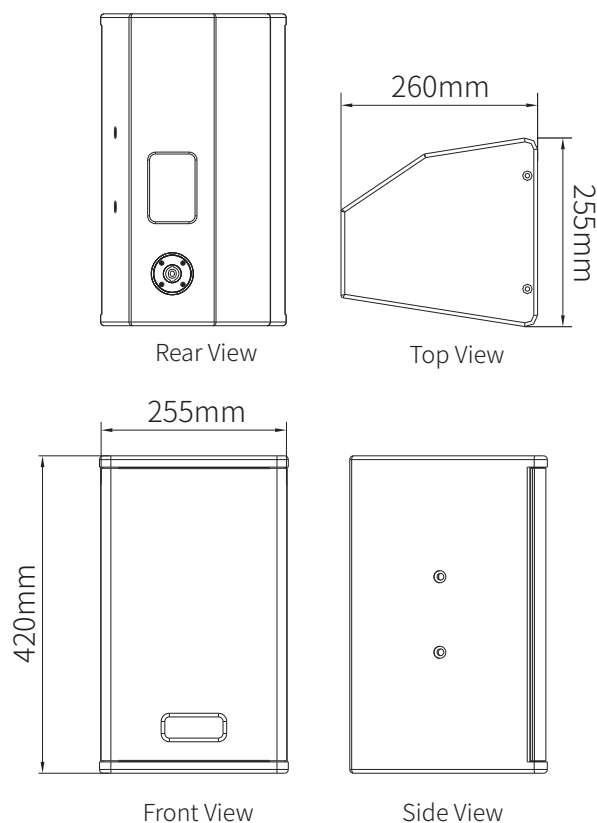
- EKS-061 is a built-in 2 way full range speaker
- The 6.5 inch woofer features wide frequency response, clear vocal and high sensitivity
- The 3 inch tweeter features exquisite tone
- Clear and natural music/vocal performance

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 V 55°	• Dimension(mm): 305 x 178 x 208 (W x D x H)
• Max SPL: 100dB	• Weight: 3.1Kg
• Crossover Frequency: 3000Hz	



EKS-081(Full Range Speaker)

Features

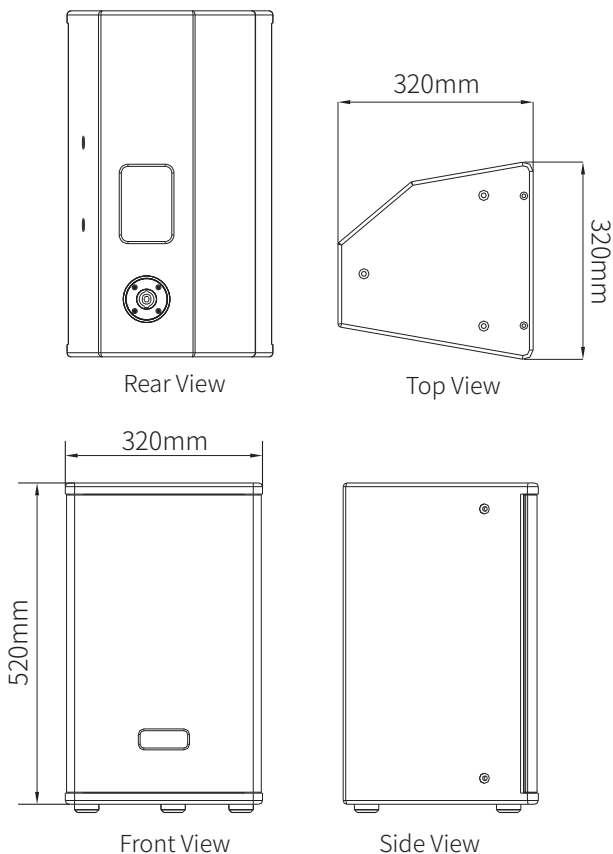
- The unit structure consists of one 8 inch 50mm cone woofer and a 36mm ferrite magnet steel HF unit
- The woofer uses refractory glass fiber bobbin and 50mm CCA winding coil for high efficiency and reliable performance, symmetric magnet circuit design reduces the second harmonic distortion
- The HF 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; AI 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)

Features

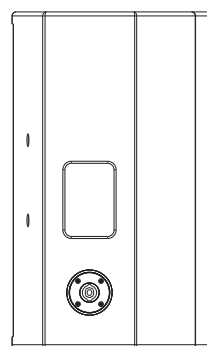
- EKS-101 two way full range speaker uses plane wave guide technology, sound wave phase delay transmission and sound wave phase inversion overlaps for solving the phase distortion
- The speaker features high sensitivity, clear and charming tone, wide and natural vocal
- EKS-101 consists of one 10 inch 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 AI socket for convenient pole mounting
- Multiple flying points for flexible applications

Application

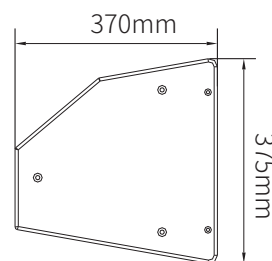
- Multifunctional hall, conference hall, KTV

Specification

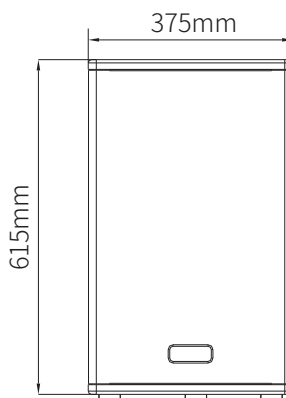
• Rated Power: 500W(AES)	• Suspension/Installation: suspension or pole mounting
• Rated Impedance: 8Ω	• Connection: 1 x NL4 speaker connector, connect 1+, 1- for operation ,
• Frequency Response: 60Hz-19KHz(±3dB)	2+, 2- for speaker parallel
• Sensitivity: 95dB	• Enclosure: 15mm MDF
• Coverage: H100° 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



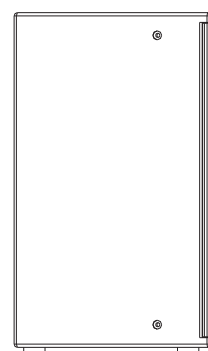
Rear View



Top View



Front View



Side View

EKS-121(Full Range Speaker)

Features

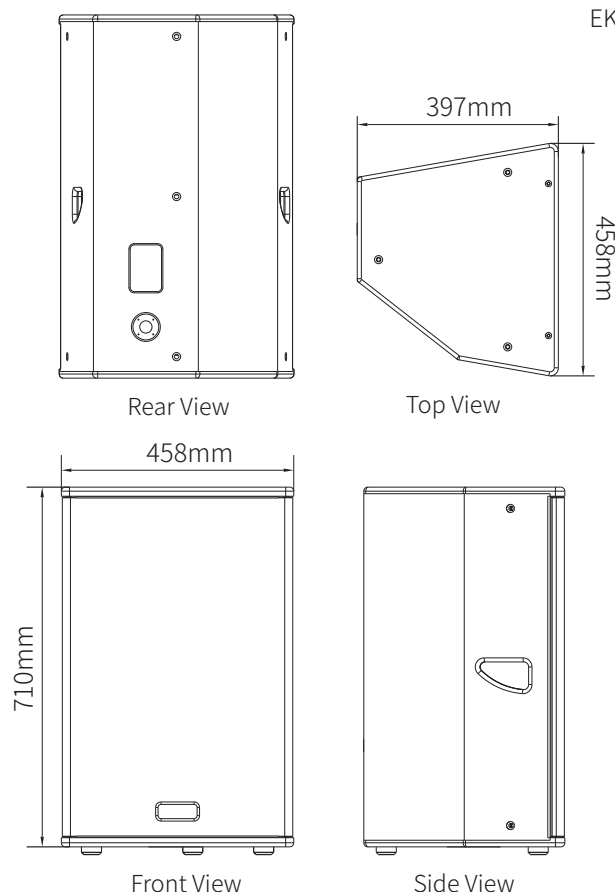
- EKS-121 full range speaker uses 120 magnet 44mm PI diaphragm and Al winding HF unit, HF unit can stand high power operation for a long time, natural and clear tone, accurate phase and flat frequency response after matched with subwoofer
- PI HF refractory diaphragm stands 290°C for a long time and 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 V55°	• 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)

Features

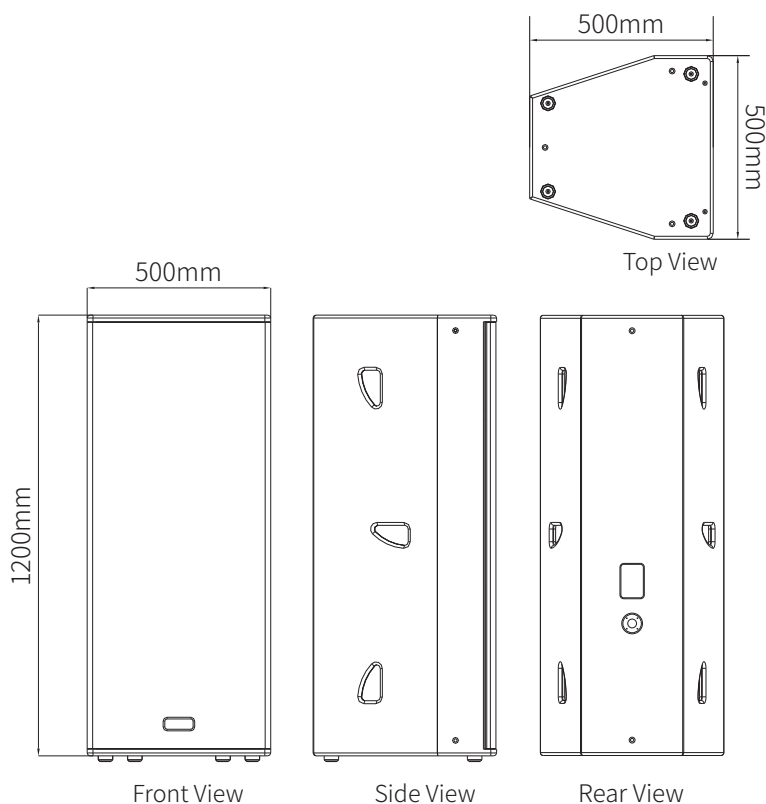
- EKS-151 full range speaker uses UKM cone for natural sound reproduction, low distortion, powerful bass, vivid and penetrating vocal
- HF unit uses PI diaphragm and 44mm 120 magnet for flat HF response and bright tone. The HF unit matches LF unit to offer wide sound range on music or vocal
- PI diaphragm 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 cement 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 AI 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)

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 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

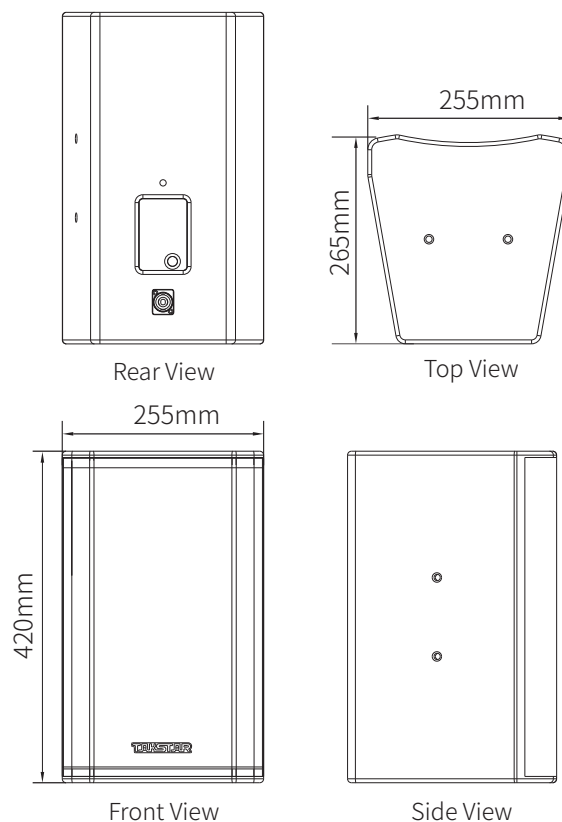
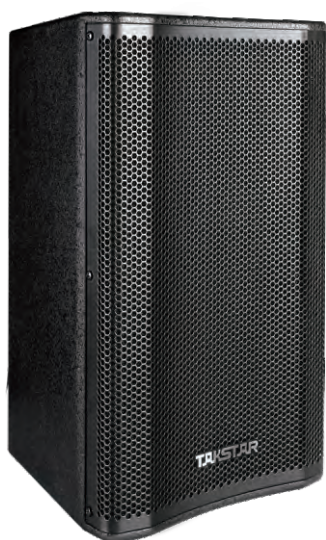
- Indoor/outdoor small show, auditorium; multiple EKS-152 equipped with EKS subwoofer can be used for large show

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 Series



EKL-081(Full Range Speaker)

Features

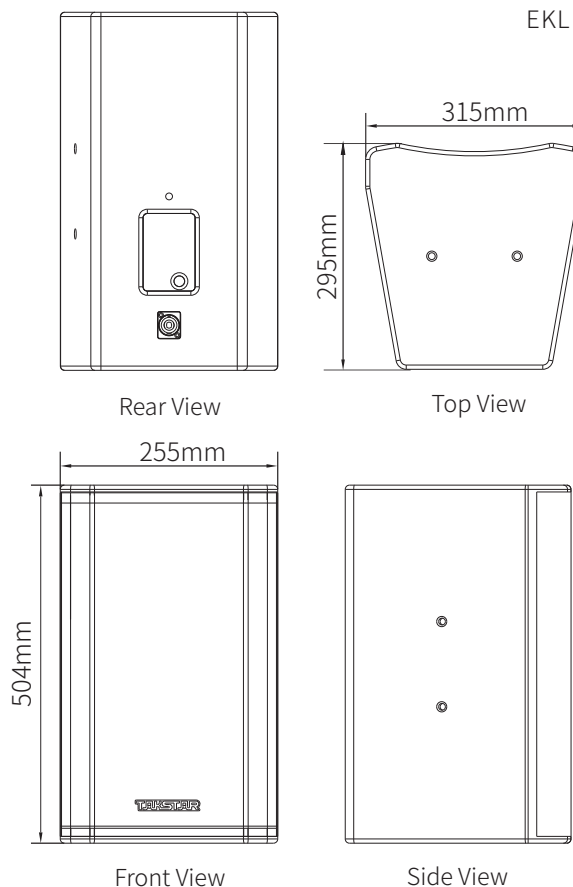
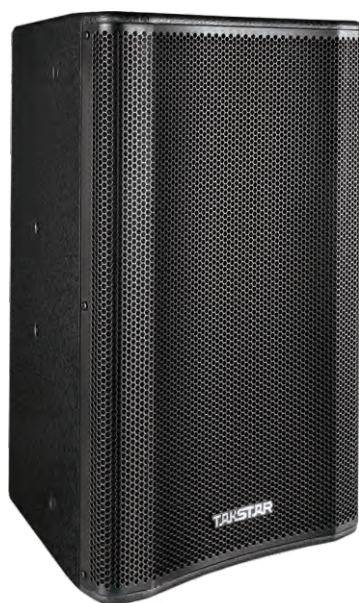
- The unit consists of one 8 inch 35mm cone woofer and one 25mm ferrite HF. The woofer uses polyimide bobbin and 35mm pure copper winding voice coil for high efficiency and thermal reliability. Symmetric magnetic design reduces harmonic distortion. Ferrite HF offers bright and penetrating sound
- Trapezoidal 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 throat)
- LF: 8"×1 (35mm), 70magnet
- Dimension (mm): 255×265×420 (W×D×H)
- Net Weight: 7.4Kg



EKL-101(Full Range Speaker)

Features

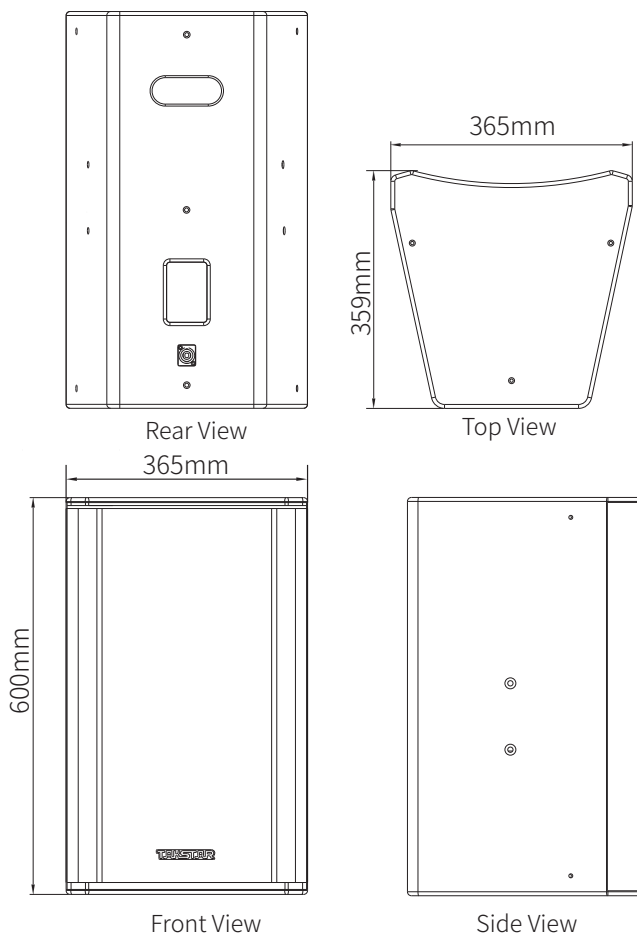
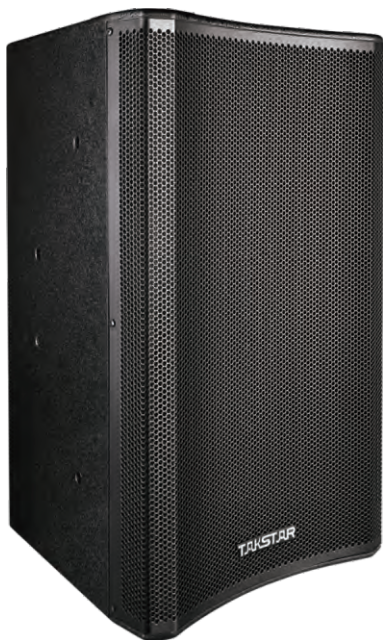
- The unit consists of one 10 inch 50mm cone LF and one 35mm ferrite HF. The LF is designed with polyimide bobbin and 50mm pure copper winding voice coil for high efficiency and reliable thermal performance. Symmetric magnet design reduces harmonic distortion. Ferrite makes HF bright and delicate and 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 throat), 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)

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

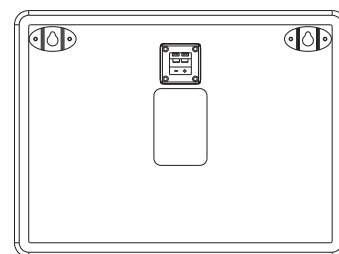
- Main reinforcement or filling reinforcement in multifunction hall or conference hall or KTV installation

Specification

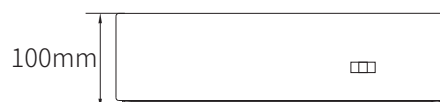
- Rated Power: 400W(AES)
- Rated Impedance: 8Ω
- Frequency Response: 52Hz-20kHz
- Sensitivity: 96dB
- Coverage: H90° × V 90°
- Max SPL: 119dB
- Crossover Mode: two way passive
- Crossover Frequency: 2200Hz
- Installation: H/V suspension
- Connection: 1 × NL4speakon(1+, 1-)
- Enclosure: 12mm MDF
- Finish: black painting
- HF: 1" × 1 (34mm, 26mm throat), 100 magnet
- LF: 12" × 1 (65mm), 156 magnet
- Dimension(mm): 365 × 359 × 600 (W × D × H)
- Net weight: 16.2kg



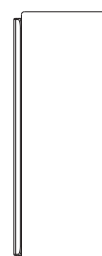
T Series Speaker



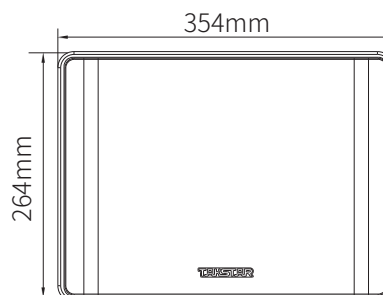
Rear View



Top View



Side View



Front View

T6(Wall Mount Speaker)

Features

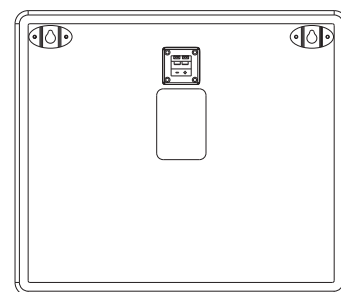
- T6 is a two-way full-range speaker with a compact design and exquisite appearance. It adopts a 6-inch 25mm paper cone woofer with wide frequency response, high voice clarity, and high sensitivity, and two 2.5-inch 13mm paper cone tweeters that produce sweet and delicate sound.
- The crossover is designed 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

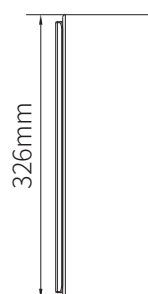
• Rated Power: 60W (AES)	• Connection: spring clip
• Rated Impedance: 6Ω	• Enclosure: 9mm MDF
• Frequency Response (±3dB): 65Hz-16kHz	• Finish: black painting
• Sensitivity (1W/1M): 89dB	• Unit: HF: 2.5"×2 (13mm) LF: 6.5"×1 (25mm), 85 magnet
• Coverage: directivity selection	• Dimensions(mm): 354×264×92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



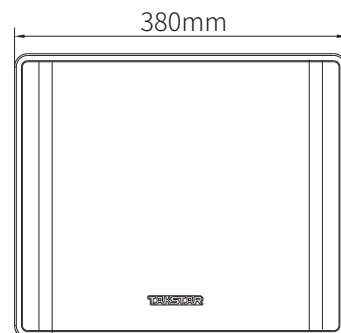
Rear View



Top View



Side View



Front View

T7(Wall Mount 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

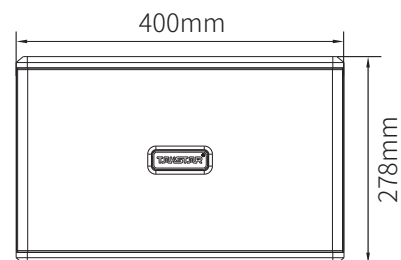
- The main application scenarios are conferences and application projects of basic sound reinforcement.

Specification

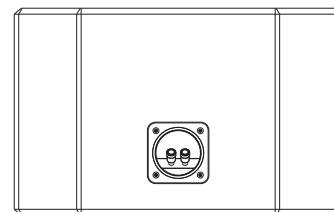
• Rated Power: 120W (AES)	• Connection: spring clip
• Rated Impedance: 4Ω	• Enclosure: 12mm MDF
• Frequency Response (±3dB): 65Hz-16kHz	• Finish: black painting
• Sensitivity (1W/1M): 92dB	• Unit: HF: 2.5"×4 (13mm) LF: 6.5"×2 (25mm), 85 magnet
• Coverage: directivity selection	• Dimensions(mm): 380×326×111 (W×H×D)
• Max SPL: 106dB	• Net Weight: approx. 6kg
• Crossover Mode: two way	
• Crossover Frequency: 5500Hz	
• Suspension/Installation: wall-mounted	



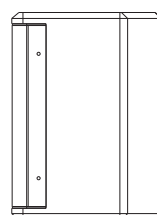
EKT Speaker Series



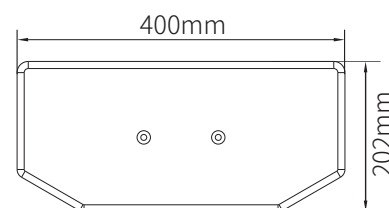
Front View



Rear View



Side View



Top View

EKT-081(KTV Speaker)

Features

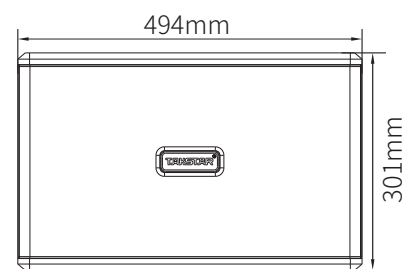
- EKT-081 is the high quality Karaoke speaker specially designed for KTV and home Karaoke which features prominent vocal and music performance
- The vented tube and acoustic foam match with the cabinet volume perfectly, which boosts the bass performance
- The woofer uses excellent damping factor and 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

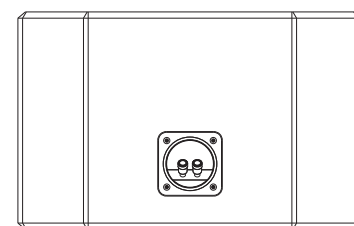
- KTV, home Karaoke

Specification

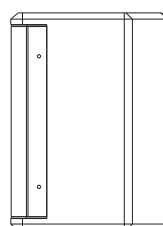
• Rated Power: 240(AES)	• Suspension/Installation: horizontal suspension
• Rated Impedance: 8Ω	• Connection: spring cup
• Frequency Response: 40Hz-18KHz(±3dB)	• Enclosure: 15mm plywood
• Sensitivity: 92dB	• Finish: PVC
• Coverage: H150° x V 55°	• HF: 3" x 2 (13mm), 55+50 dual magnets
• SPL: 111dB	• LF: 8" x 1 (35mm), 100+100 dual magnets
• Crossover Mode: 2 way passive	• Dimension(mm): 400 x 202 x 278 (W x D x H)
• Crossover Frequency: 1900Hz	• Weight: approx. 8.8Kg



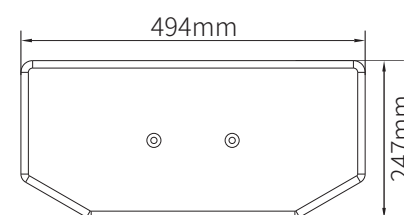
Front View



Rear View



Side View



Top View

EKT-101(KTV Speaker)

Features

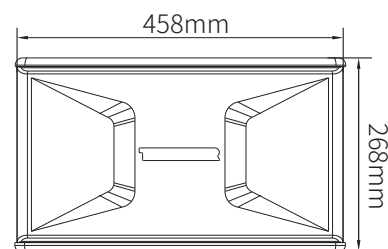
- EKT-101 is the high quality 10 inch Karaoke speaker specially designed for KTV and home Karaoke audio system
- EKT-101 features prominent vocal, clean and rich bass, flat and delicate treble, together use with Takstar tailored microphone and Karaoke power amplifier to offer high quality music and tone
- 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

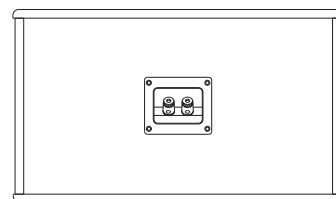
- KTV, home karaoke

Specification

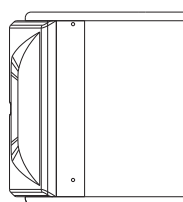
• Rated Power: 320W(AES)	• Crossover Frequency: 1600Hz
• Peak Power: 1280W(AES)	• Suspension/Installation: horizontal suspension
• Rated Impedance: 8Ω	• Connection: spring cup
• DC Impedance: 6Ω	• Enclosure: 15mm plywood
• Frequency Response: 35Hz-18KHz(±3dB)	• Finish: PVC
• Sensitivity: 93dB	• HF: 3" x 2 (13mm), 55+50 dual magnets
• Coverage: H150° x V55°	• LF: 10" x 1 (50mm), 120+110+55 three magnets
• Max SPL: 115dB	• Dimension(mm): 494 x 247 x 301 (W x D x H)
• Crossover Mode: 2 way passive	• Weight: approx. 10.3 Kg



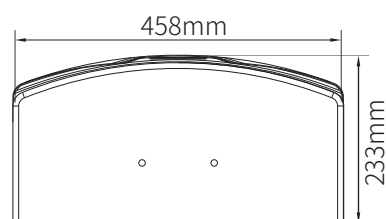
Front View



Rear View



Side View



Top View

EKT-8L(KTV Speaker)

Features

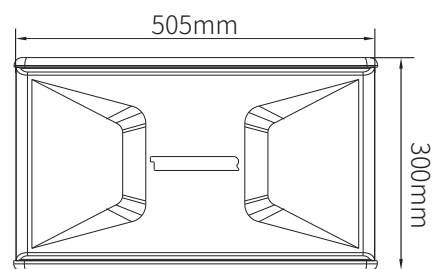
- Good damping and rigidity of the paper cone in the woofer, ensures no distortion across frequencies. The sponge surround is made of compressed corrosion-resistant material, and is elastic enough to withstand greater amplitude and dynamics
- Generally speaking, MF/HF from speakers reacts much with human auditory senses, and if improperly tuned, could cause hearing fatigue and annoyance. Therefore, for the 3" tweeter, we opt for paper cone that has a smooth frequency response in MF/HF and offers higher fidelity in MF/HF vocals and music, along with a heat-resisting voice coil to endure prolonged music power
- The crossover is carefully tuned on the HF end to fit physiological characteristics of the human ears. MF is clean and clear, and HF is detailed, bright yet not noisy, offering an overall satisfactory experience in KTV singing or music application without stressing the ears

Application

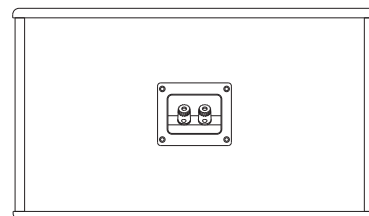
- Small KTV room, family karaoke

Specification

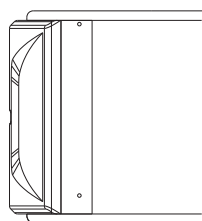
• Rated Power: 80W (AES)	• Installation: suspended horizontally
• Rate Impedance: 8Ω	• Connection: spring cup
• Frequency Response ($\pm 3\text{dB}$): 45Hz-20kHz	• Enclosure: 12mm MDF
• Sensitivity (1W/1M): 92dB	• Finish: black painting
• Coverage Angle: H100° × V55°	• Driver: HF: 3" × 2 (13mm voice coil); LF: 8" × 1 (35mm voice coil), 100mm magnet
• Max SPL: 114dB	• Dimensions (mm): 458×268×233 (W×H×D)
• Crossover Mode: two-way	• Net Weight: approx. 6.7kg
• Crossover Frequency: 3200Hz	



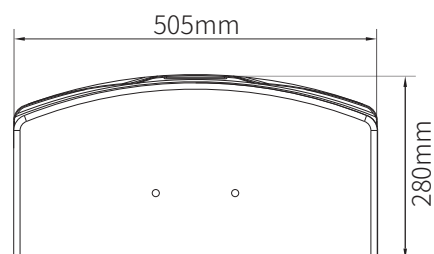
Front View



Rear View



Side View



Top View

EKT-10L (KTV Speaker)

Features

- Good damping and rigidity of the paper cone in the woofer, ensures no distortion across frequencies. The sponge surround is made of compressed corrosion-resistant material, and is elastic enough to withstand greater amplitude and dynamics
- Generally speaking, MF/HF from speakers reacts much with human auditory senses, and if improperly tuned, could cause hearing fatigue and annoyance. Therefore, for the 3" tweeter, we opt for paper cone that has a smooth frequency response in MF/HF and offers higher fidelity in MF/HF vocals and music, along with a heat-resisting voice coil to endure prolonged music power
- The crossover is carefully tuned on the HF end to fit physiological characteristics of the human ears. MF is clean and clear, and HF is detailed, bright yet not noisy, offering an overall satisfactory experience in KTV singing or music application without stressing the ears

Application

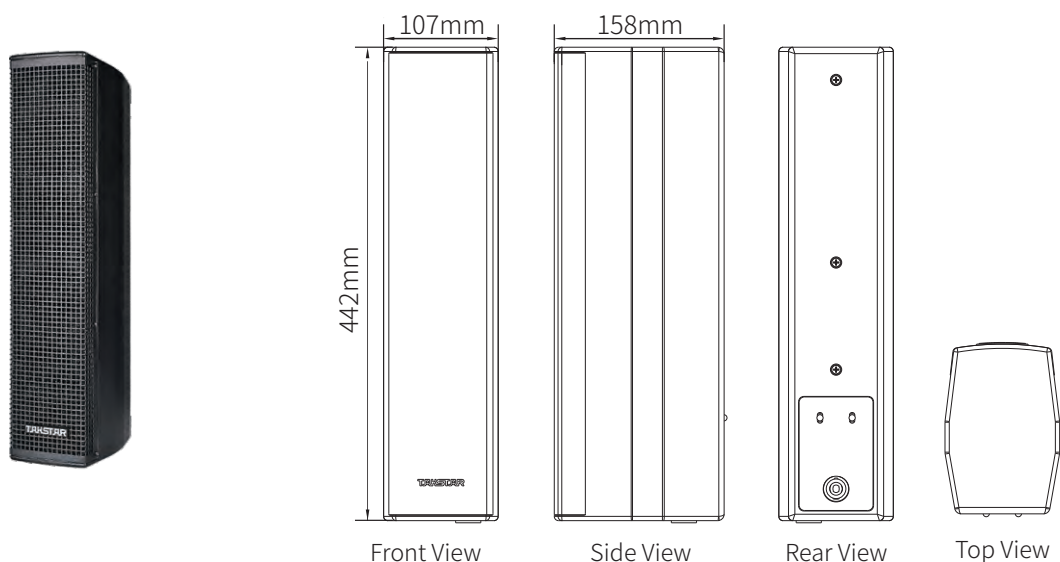
- Small KTV room, family karaoke

Specification

• Rated Power: 100W (AES)	• Connection: spring cup
• Rate Impedance: 8Ω	• Enclosure: 12mm MDF
• Frequency Response ($\pm 3\text{dB}$): 40Hz-20kHz	• Finish: black painting
• Sensitivity (1W/1M): 93dB	• Driver: HF: 3" \times 2 (13mm voice coil); LF: 10" \times 1 (35mm voice coil), 100mm magnet
• Coverage Angle: H100° \times V55°	• Dimensions (mm): 505 \times 280 \times 300 (W \times H \times D)
• Max SPL: 115dB	• Net Weight: approx. 8kg
• Crossover Mode: two-way	
• Crossover Frequency: 3000Hz	
• Installation: suspended horizontally	



ESC Speaker Series



Optional Color:  

ESC-034(Column speaker)

Features

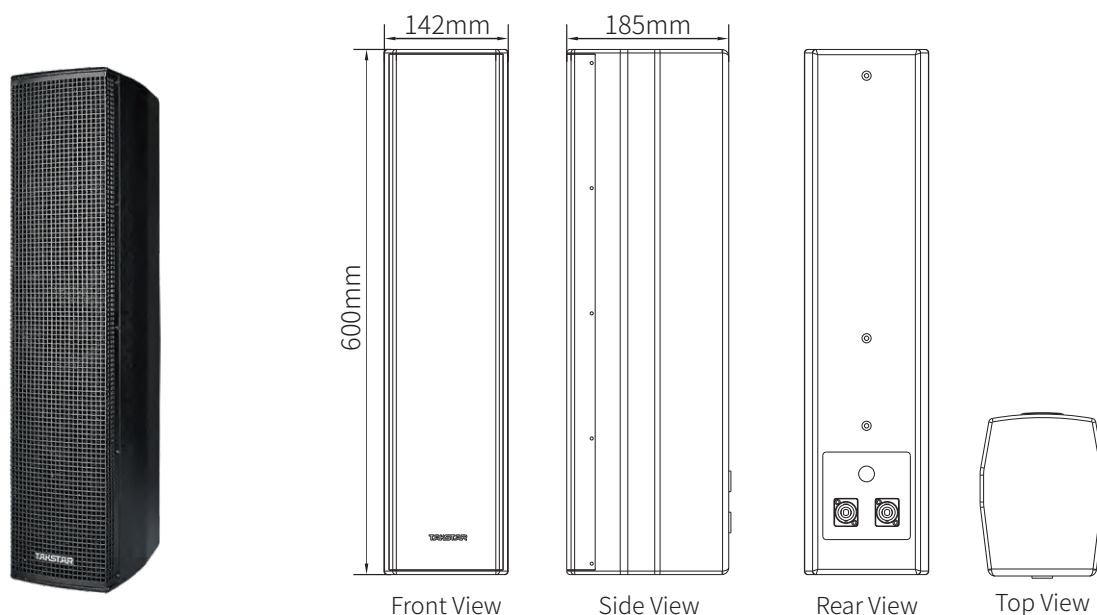
- The unit structure consists of four 3 inch 20mm full range cone speakers, which feature the elastic and durable rubber surround for quick and dynamic MFLF, symmetric magnet design for low harmonic distortion, speaker topology for wider horizontal directivity, vertical line array for narrower vertical 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 playback in conference room, multifunction hall, large supermarket

Specification

- Rated Power: 120W(AES)
- Rated Impedance: 8Ω
- Frequency Response($\pm 3\text{dB}$): 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): 107x158x442(W*D*H)
- Net Weight: 3.9Kg



Optional Color:  

ESC-044(Column speaker)

Features

- 4 inch *4 drivers, 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 playback 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 throat), 20 magnet
- Dimension(mm): 142x185x600(WxDxH)
- Net Weight: 6Kg



ESC-80A(Column Speaker)

Features

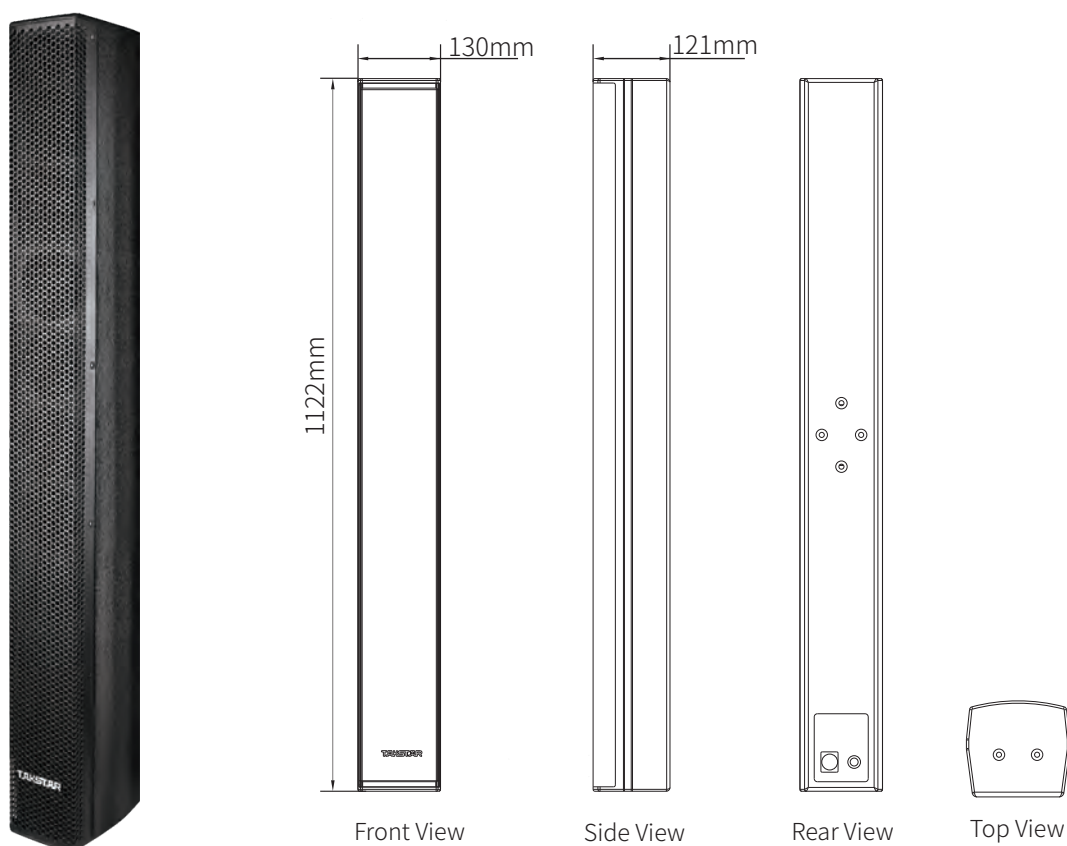
- Built-in 8-channel digital power amplifier module, all-aluminum enclosure
- Eight 4-inch full-range drivers, adjusting DSP through software to achieve controllable directivity
- 32-bit DSP chip, 48kHz sampling rate, 24-bit AD/DA conversion
- Three input ports are available: XLR, V, DANTE
- With advanced 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

- This column speaker consists of nine 4" cone woofers with Ø25mm voice coil. The woofer features elastic and durable rubber surround for quick and dynamic MFLF, symmetric magnetic circuit design for low harmonic distortion, as well as wider horizontal directivity and narrower vertical directivity for farther transmission
- The crossover adopts low consumption OFC inductor for reliable performance and prominent sound
- Trapezoidal enclosure and acoustic foam eliminate the standing wave inside, and make the MFLF purer and frequency response flatter. The slender enclosure suits for various architectural styles
- Dedicated correction circuit can adjust the HF. There are two modes, NEAR and FAR, switchable for different scenarios

Application

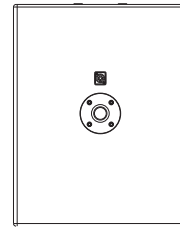
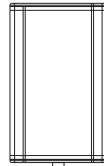
- Vocal reinforcement and background music application in conference rooms, multifunction halls and large shopping malls

Specification

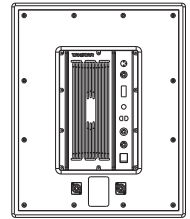
- | | |
|--|--|
| • Rated Power: 360W (AES) | • Connector: 1×NL4speakon (1+, 1-) |
| • Rated Impedance: 8Ω | • Enclosure: 12mm MDF |
| • Frequency Response (±3dB): 160Hz-16KHz | • Finish: black painting |
| • Sensitivity (1W/1M): 99dB | • Unit: LF: 4" ×9 (Ø25mm voice coil), Ø80mm magnet |
| • Coverage: H120°×V25° | • Dimension (mm): W130xD121xH1122 |
| • Max SPL: 114dB | • Net Weight: approx. 11.5kg |
| • Crossover Mode: full range | |
| • Installation: wall mount bracket | |



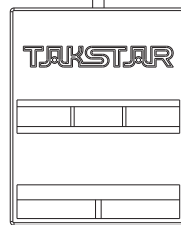
(Full Range Speaker)



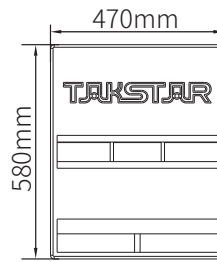
Top View



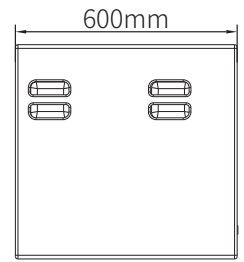
Rear View



ESC-15A(Subwoofer)



Front View



Side View

ESC-15A(Active 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

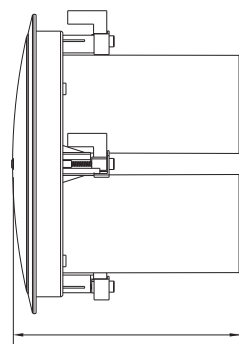
- Used together with full-range speakers in music restaurants, bars, Live House, KTV, etc.

Specification

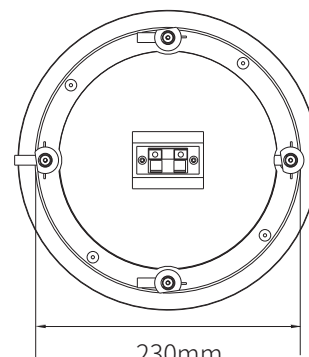
Speaker Specifications	Power Amplifier Specifications
• Speaker Type: 15" active subwoofer, band-pass	• Input Sensitivity@8Ω: ≤2.2V/+9dBu@32dB gain
• Max SPL (Peak): 131dB	• S/N Ratio: ≥115dB (A weighted)
• Frequency Response (-10dB): 40Hz-150Hz	• Power: 2×1000W @8Ω, 2×1500W @4Ω
• Unit: High-power 15" LF driver, 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)

A black and white photograph of a large, modern conference room. The room features a high ceiling with a grid of recessed lighting. Rows of chairs are arranged in the room, facing a stage area with a large screen displaying a cityscape. A red geometric shape is overlaid on the right side of the image, containing the text "EBS Fixed Impedance Ceiling Speaker".

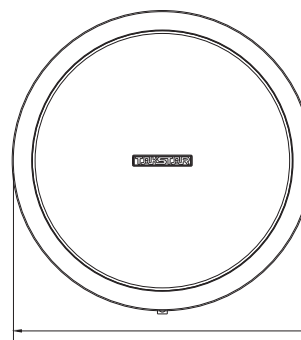
EBS Fixed Impedance Ceiling Speaker



197mm
Side View



230mm
Rear View



260mm
Front View

EBS-640(Fixed Impedance In-Ceiling Speaker)

Features

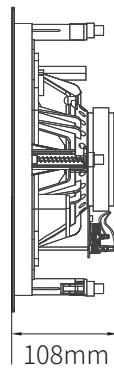
- EBS-640 consists of one 6.5 inch 25mm cone woofer and one 25mm silk dome tweeter. The woofer is designed with elastic and durable rubber surround for quick response and sufficient dynamic, specially processed cone for clear music performance, symmetric magnet for low harmonic distortion. The tweeter 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

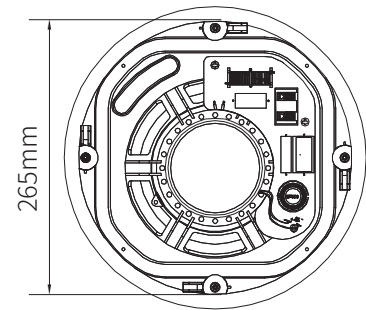
- Conference room, multifunction hall, plaza

Specification

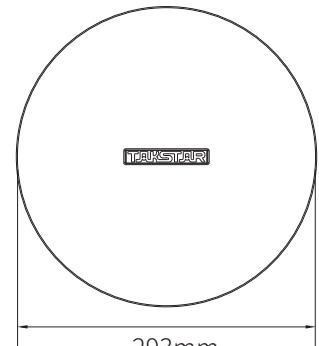
• Rated Power: 80W(AES)	• Installation: dogleg clamps
• Rated Impedance: 16Ω	• Hole Size: 233±2mm
• Frequency Response (±3dB): 70Hz-20KHz	• Wiring: spring clip (IN: red+, black-)
• Sensitivity (1W/1m): 90dB	• Enclosure: ABS
• Coverage: H90°×V90°	• Finish: white
• Max SPL: 106dB	• HF: 1"×1 (25mm), silk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



Side View



Rear View



Front View

EBS-750(Fixed-Impedance In-Ceiling Speaker)

Features

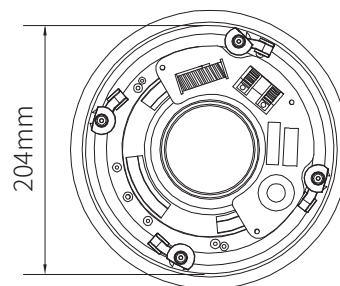
- Professional, two-way, full-range, 7.5" in-ceiling speaker
- Utilizes all-weather-proof material for panel frame, against moisture, water, and UV
- 7.5" woofer with moisture/water-proof composite diaphragm, and 1" silk-dome tweeter with adjustable angle, producing rich mids, delicate highs and an overall warm sound
- Popular borderless design and magnetic grille, extremely easy for installation and removal

Application

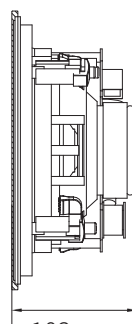
- BGM in hotel/restaurant/building/conference center

Specification

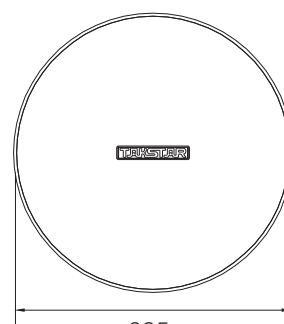
- | | |
|---|---|
| • Rated Power: 100W (AES) | • Installation Depth: 108mm |
| • Rated Impedance: 8Ω | • Connection: spring clip (IN:red+, black—) |
| • Frequency Response ($\pm 3\text{dB}$): 50Hz-20kHz | • Enclosure: ABS plastic |
| • Sensitivity (1W/1M): 88dB | • Finish: white |
| • Coverage Angle: H110°V110° | • HF: 1" tweeter with silk dome, Nd magnet, 360° rotatable angle |
| • Max SPL: 105dB | • LF: 7.5" driver *1, 33mm voicecoil, 100mm magnet, PP composite cone +NBR surround |
| • Crossover: two-way, passive | • Dimensions: $\varnothing 293\text{mm} \times \text{H}108\text{mm}$ |
| • Crossover Frequency: 2800Hz | • Net Weight: 2.1Kg |
| • Installation Method: flush in-built | |
| • Cut-out Size: $\varnothing 265\text{mm}$ circle | |



Rear View



102mm
Side View



235mm
Front View

EBS-630(Fixed-Impedance In-Ceiling Speaker)

Features

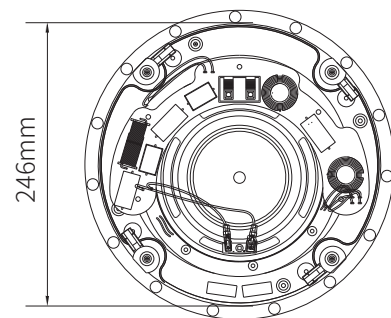
- Professional, two-way, full-range, 6.5" in-ceiling speaker
- Utilizes all-weather-proof material for panel frame, against moisture, water, and UV
- 6.5" woofer with moisture/water-proof composite diaphragm, and 1" silk-dome tweeter with adjustable angle, producing rich mids, delicate highs and an overall warm sound
- Popular borderless design and magnetic grille, extremely easy for installation and removal

Application

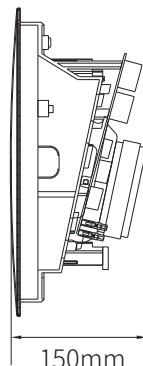
- BGM in hotel/restaurant/building/conference center

Specification

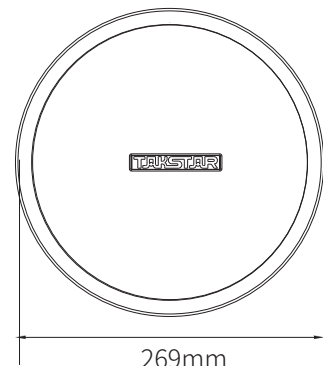
• Rated Power: 60W (AES)	• Installation Depth: 102mm
• Rated Impedance: 8Ω	• Connection: spring clip (IN:red+, black—)
• Frequency Response (±3dB): 52Hz-20kHz	• Enclosure: ABS plastic
• Sensitivity (1W/1M): 87dB	• Finish: white
• Coverage Angle: H110°V110°	• HF: 1" tweeter, silk dome, Nd magnet, 360° rotatable angle
• Max SPL: 102dB	• LF: 6.5" driver *1, 28mm voicecoil, 80mm magnet, PP composite cone +NBR surround
• Crossover: two-way, passive	• Dimensions: ø235mm*H102mm
• Crossover Frequency: 3000Hz	• Net Weight: 1.4Kg
• Installation Method: flush in-built	
• Cut-out Size: ø204mm circle	



Rear View



Side View



Front View

EBS-653(Fixed-Impedance In-Ceiling Speaker)

Features

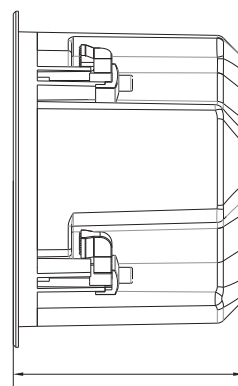
- Professional, three-way, 6.5" embedded speaker with moist-/water-/UV-resistant panel frame
- Special fiberglass cone for squawker and woofer, featured by its light weight, high rigidity, moderate internal resistance, and excellent resistance to fatigue, corrosion and air vibration. Widely used by audiophiles, for music playback, it produces balanced, clean bass and mids, with gorgeous timbre and high fidelity. Additional carbon fiber is mixed in to improve cone rigidity for superior performance than normal fiberglass.
- Neodymium magnets for both squawker and tweeter, 0.75" titanium diaphragm for tweeter (both drivers have synced adjustable angle), producing rich mids, delicate, transparent highs and an overall warm sound.
- Borderless design, magnetic grille, easy for installation and maintenance.

Application

- BGM in hotel/restaurant/building/conference center, home theater

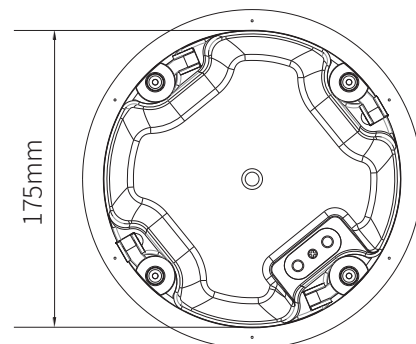
Specification

• Rated Power: 60W (AES)	• Installation Depth: 150mm
• Rated Impedance: 8Ω	• Connection: spring clip (IN: red+, black—)
• Frequency Response ($\pm 3\text{dB}$): 60Hz-20kHz	• Enclosure: ABS plastic
• Sensitivity (1W/1M): 86dB	• Finish: black
• Coverage Angle: H110°V150°	• HF: 0.75" titanium diaphragm, Nd magnet, rotatable angle
• Max SPL: 102dB	• MF: 2" fiberglass cone + NBR surround, Nd magnet, rotatable angle
• Crossover: three-way, passive	• LF: 6.5" driver * 1, fiberglass cone + NBR surround
• Installation: in-ceiling/in-wall	• Dimensions: $\varnothing 269\text{mm} \times \text{H}150\text{mm}$
• Cut-out Size: $\varnothing 246\text{mm}$ circle	• Net Weight: 2.14Kg

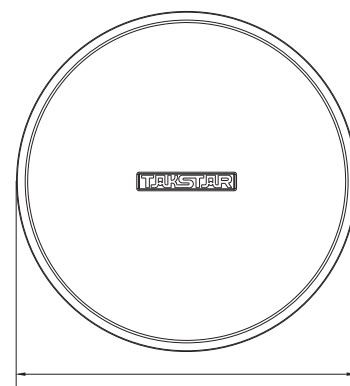


131mm

Side View



Rear View



206.5mm

Front View

EBS-400(Fixed-Impedance In-Ceiling Speaker)

Features

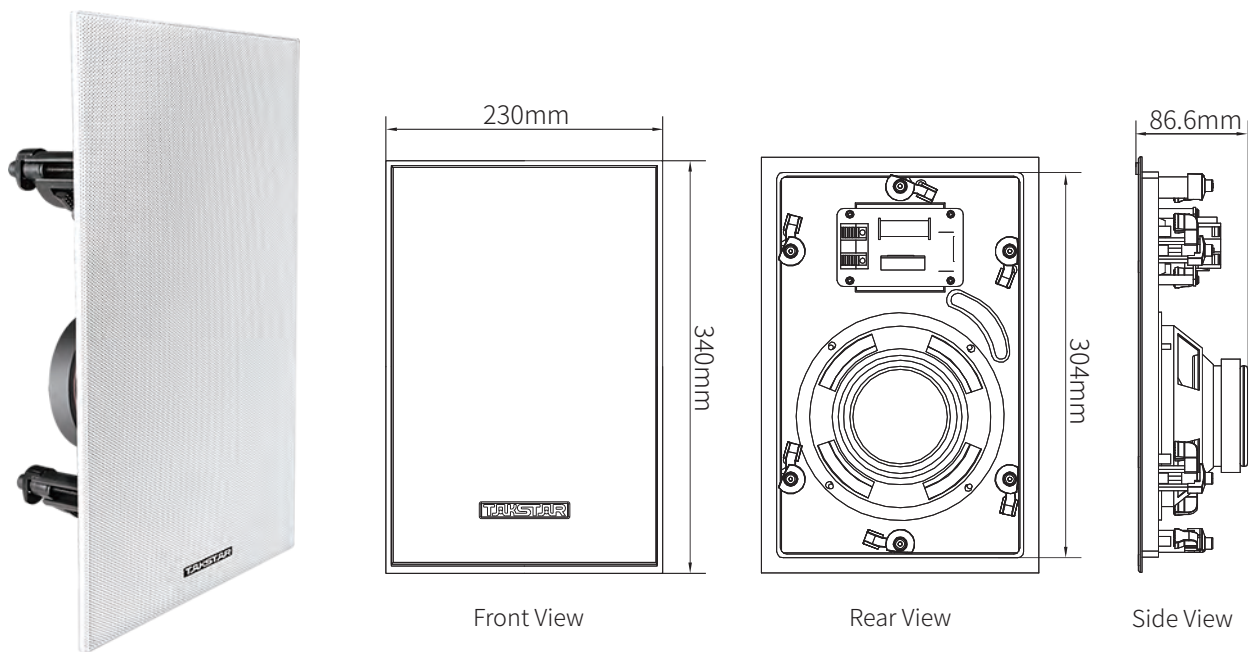
- Professional, two-way, full-range, 4" in-ceiling speaker. Utilizes all-weather-proof material for panel frame, against moisture, water, and UV
- 4" woofer with moisture/water-proof composite diaphragm, and 0.75" silk-dome tweeter, producing rich mids, delicate highs and an overall warm sound
- Popular borderless design and magnetic grille, extremely easy for installation and removal

Application

- BGM in hotel/restaurant/building/conference center, home theater, yacht audio system

Specification

• Rated Power: 40W (AES)	• Installation Depth: 131mm
• Rated Impedance: 8Ω	• Connection: spring clip (IN: red+, black-)
• Frequency Response (±3dB): 120Hz-20kHz	• Enclosure: ABS plastic
• Sensitivity (1W/1M): 84dB	• Finish: black
• Coverage Angle: H90°V90°	• HF: 0.75" tweeter with silk dome, Nd magnet
• Max SPL: 98dB	• LF: 4" * 1 driver (25mm voicecoil) with 80mm magnet, (PP) composite cone + NBR surround
• Crossover: two-way, passive	• Dimensions: ø206.5mm*H131mm
• Crossover Frequency: 2800Hz	• Net Weight: 1.27Kg
• Installation Method: flush/flying	
• Cut-out Size: ø175mm circle	



EBS-6T(Fixed-Impedance In-Wall Speaker)

Features

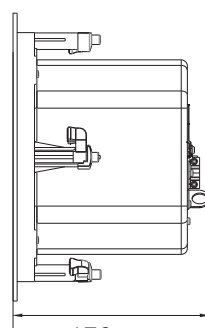
- Professional, two-way, full-range, 6.5" in-wall speaker
- Utilizes all-weather-proof material for panel frame, against moisture, water, and UV
- 6.5" woofer with moisture/water-proof composite diaphragm, and 1" tweeter with silk dome, producing rich mids, delicate highs and an overall warm sound
- Popular borderless design and magnetic grille, extremely easy for installation and removal

Application

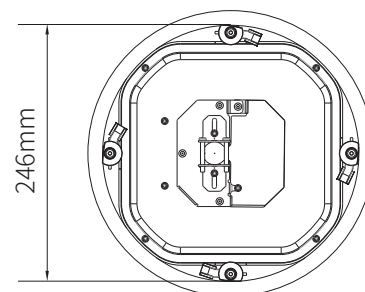
- BGM in hotel/restaurant/building/conference center, home theater, yacht audio system

Specification

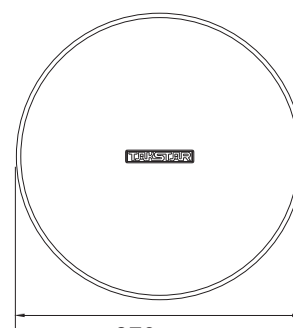
• Rated Power: 60W (AES)	• Installation Depth: 86.6mm
• Rated Impedance: 8Ω	• Connection: spring clip(IN:red+, black—)
• Frequency Response(±3dB): 62Hz-20kHz	• Enclosure: ABS plastic
• Sensitivity (1W/1M): 87dB	• Finish: black
• Coverage Angle: H110°V110°	• HF: 1" driver, silk dome, Nd magnet
• Max SPL: 102dB	• LF: 6.5" driver * 1, 28mm voicecoil, 90mm magnet, PP composite cone + NBR surround
• Crossover: two-way, passive	• Dimensions (W*H*D): 230mm*340mm*86.6mm
• Crossover Frequency: 3000Hz	• Net Weight: 1.73Kg
• Installation Method: flush in-built	
• Cut-out Size: W 193mm * H 304mm	



Side View



Rear View



Front View

EBS-630A (Constant Voltage/Impedance Switchable Ceiling Speaker)

Features

- Professional, two-way, full-range, dual-purpose (fixed-impedance or constant-voltage) passive ceiling speaker
- ABS panel and metal enclosure, all-weather-proof, against moisture, water, and UV
- 6.5" woofer with moisture/water-proof composite diaphragm, and 1" silk-dome tweeter with adjustable angle, producing rich mids, delicate highs and an overall warm sound
- Popular borderless design and magnetic grille, extremely easy for installation and removal

Application

- BGM in hotel/restaurant/building/conference center

Specification

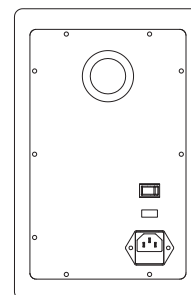
• Rated Power: 80W (AES)	• Rated Voltage/Power: 70V (80/60/40/20/10 W) / 100V (X/80/60/40/20 W) (AES)
• Rated Impedance: 8Ω	• Installation Depth: 176mm
• Frequency Response (±3dB): 70Hz-20kHz	• Connection: phoenix plug
• Sensitivity (1W/1M): 87dB	• Enclosure: ABS plastic
• Coverage Angle: H110°V110°	• Finish: black
• Max SPL: 103dB	• HF: 1" tweeter with silk dome, Nd magnet, rotatable angle
• Crossover: two-way, passive	• LF: 6.5" * 1 driver (25mm voice coil) with 80mm magnet, (PP) composite cone + NBR surround
• Crossover Frequency: 3000Hz	• Dimensions: ø278mm*H176mm
	• Net Weight: 3.3Kg

Monitor Speaker

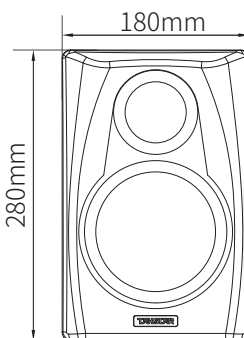




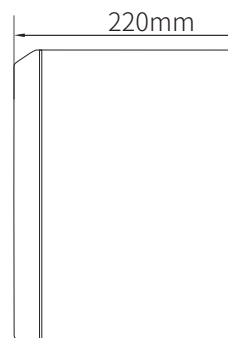
Top View



Rear View



Front View



Side View

MT5(Monitor Speaker)

Features

- Tailored for monitoring. The effect reaches professional level in studio
- Boosting stereo to optimal auditory effects
- 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 studios

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 ($\pm 3\text{dB}$): 57Hz-20kHz
- Crossover: 24dB/octave@2KHz
- Max SPL (one pair): 108dB SPL@1m/1w
- Input Adjustment: HF, LF 3 band adjustment
- Input Connector: 1*1/4" TRS, 1*XLR, 1*RCA
- EQ: HF filtering, acoustic space
- Weight: 4.7Kg(net)
- Dimension: 180 x 220 x 280mm (WxDxH)

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, middle speaker, surround speaker 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 Ω , THD=1%,1KHz)
- Power Consumption: $\leq 750\text{W}$ (8 Ω)
- 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)			EKC-6SW
Speaker	Mid Speaker	Front Speaker	Surround Speaker	Active Subwoofer
Specification				
Rated Power	80W(AES)	80W(AES)	60W(AES)	240W(AES)
Rated Impedance	16 Ω	16 Ω	16 Ω	
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
Driver	LF:3" 20mm MFLF×2 HF:25mm silk diaphragm HF×2	LF:3" 20mm MFLF×2 HF:25mm 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



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: ± 5 ppm	• 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: $\leq 0.3\%$	• MIC Input Impedance: 2K Ω
Power Specifications	• Music Input Jack: unbalanced RCA
• 4 Ω Input Power: 750Wx2	• Music Input Level: +12dBu
• 8 Ω Input Power: 450Wx2	• Music Input Impedance: 1M Ω /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: 75 Ω
• 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



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)



EKA-D8A Integrated Amplifier

Features

- Full metal chassis, quality transformer
- 2CH Mic IN with volume/reverb/HFLF control for effective feedback suppression
- 1CH AUX IN, 1CH AUX OUT for connecting to high-power amplifier or recording device
- Bluetooth audio connection with auto connect and interaction functions
- Flash drive & SD card player
- Efficient power supply circuit
- High-fidelity, wide-dynamic line output
- Widely used in multimedia classrooms, small meeting rooms, shops, etc.

Specification

- Max Power: $2 \times 60W/8\Omega$
- Frequency Response: Line Input: 20Hz-20KHz/ Mic: 60Hz-14KHz
- LINE Tone Control: HF: $10KHz \pm 12dB$ / LF: $100Hz \pm 12dB$
- Rated Input Level: Mic 15mV/Line 200mV
- Rated Output Level: Line 0.775V
- Distortion: $\leq 0.5\%$
- S/N Ratio: $\geq 80dB$ (A-weighted)
- FM Frequency Range: 87.5-108MHz
- Main Fuse: 2A
- Power Supply: AC 220V $\pm 10\%$ / 50Hz
- Dimension: 320 \times 210 \times 75mm
- Weight: 2.5Kg



EKA-415 Integrated Amplifier (4-Channel)

Features

- Bluetooth input and recording output
- 4-channel output with 150W per channel (8Ω) and a 4-8 ohm load per channel
- EKA-415 is a professional integrated amplifier, featuring microphone effect adjustment function, automatic overload protection and air-cooled heat dissipation design. In sound quality, the bass, mid and treble are balanced; in music, the distortion is low and the frequency response is wide; in vocal, it is outstanding and lifelike.

Application

- Classrooms, small conference rooms

Specification

- Output Power: 150W*4 (8Ω)
- THD: <0.1% (1KHz, 1W, 8Ω)
- Frequency Response: 20Hz-20KHz
- S/N Ratio: ≥80dB (A-weighted)
- Input Sensitivity: 250mV
- MIC Input Sensitivity: 20mV
- Power Supply: AC220V/50Hz
- Dimensions (W*L*H): 480mm*445mm*90mm
- Weight: 13Kg



EKAX Series Power Amplifier

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-A 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 Undistorted Power (8Ω)	300W×2	600W×2
Max Undistorted Power (4Ω)	450W×2	900W×2
Max Undistorted Power (2Ω)	600W×2	1200W×2
Max Undistorted Power (bridge 8Ω)	900W	1800W
Max Undistorted 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-N 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, automatically adjusting fixed impedance/voltage output
- Independent gain control of each channel, easily controlling the amplification to suit for speaker 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-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-N Series Power Amplifier

Features

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- 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, automatically adjusting fixed impedance/voltage output
- Independent gain control of each channel, easily controlling the amplification to suit for speaker 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



EA Series Power Amplifier

Features

- Class-AB design with toroidal power supply.
- Analog amplifier, featured by enjoyable sound, delicate MFHF and punchy LF.
- Precise gain controls, power/signal/protection/clip LEDs on the front panel.
- DC/thermal/over-load/limiter protection circuit design on each channel.
- Rear-to-front fan cooling for prolonged and reliable operation.
- Balanced XLR input connector and pro SPEAKON output connector.
- Toggle switch on the rear panel to select Stereo/Parallel/Bridge mode.

Specification

Specification \ Model	EA-2	EA-3
Rated Output Power (1KHz, 1% THD)	Stereo 8Ω: 220W+220W Stereo 4Ω: 330W+330W Bridge 8Ω: 660W	Stereo 8Ω: 330W+330W Stereo 4Ω: 500W+500W Bridge 8Ω: 1000W
Peak Power (1KHz1%THD)	Stereo 8Ω: 440W+440W Stereo 4Ω: 660W+660W Bridge 8Ω: 1320W	Stereo 8Ω: 660W+660W Stereo 4Ω: 1000W+1000W Bridge 8Ω: 2000W
Output Connector	Binding for Stereo & Bridge Output	
Frequency Response	20Hz-20KHz	
Input Sensitivity	1.0V; 1. 4V	
Input Impedance (bal/unbal)	20k /Balanced, 10k /un-Balanced	
S/N Ratio	100dB	
Distortion	<0.03% (8ohm/1KHz/half power)	
Crosstalk (at rated output power, 1KHz, 8 Ohms)	80dB	
Damping Factor (1KHz, 8 Ohms)	300	
Conversion Rate	20 V/uS	
Protection	Soft Start, Short Circuit, Limiter, DC Fault, AC Line Fuse, Thermal Cut	
Cooling System	Two steps speed fan	
Power Requirement	AC:220-240V 50Hz	
Net Weight (kg)	11.8kg	12.4kg
Dimension (WxDxH)	483x88x410mm	



EKA-3D/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

Specification \ Model	EKA-3D	EKA-403D
4Ω Stereo	500W X 2	500W X 4
8Ω Stereo	300W X 2	300W X 4
8Ω Stereo	1000W	1000W X 2
THD (1kHz,-10dB/40hms)	<0.1%	
Frequency Response	10Hz to 20kHz, +/-1dB	
Input Impedance (bal/unbal)	20k/10k	
Sensitivity	0dB	
SNR (20Hz-20KHz,40hms)	>100 dB	
Crosstalk (1KHz,40hms)	>70dB	
Damping Factor (10-400Hz,80hms)	>300	
Output Level	Class D	
Protection	Short circuit, DC output, overload, low voltage	
Front Panel	Power Switch, CH1-2 Gain Control	Power Switch, CH1-4 Gain Control
Rear Panel	Mono/Stereo/Bridge	
Display	Clip/-10dB/Signal Mono/Bridge/Status	
Powerup Delay	4S	
Input	XLR Female	
Output	SPEAKON	
Weight (Net)	5.0KG	6.5KG
Dimension (WDXH)	482X358X44mm	



EKA-D Digital Amplifier

Features

- Class-D amplifier with PFC switched-mode power supply
- High efficiency conversion circuit, high output power, low consumption, eco-friendly
- Precise gain controls, power/signal/protection/clip LEDs on the front panel
- DC/thermal/over-load/limiter protection circuit design on each channel
- Rear-to-front fan cooling for prolonged and reliable operation
- Balanced XLR input connector, and pro SPEAKON output connector
- Toggle switch on the rear panel to select parallel/stereo/sensitivity/power

Specification

Model			EKA-8D	EKA-10D	EKA-14D
Output Power (1KHz, 1% THD)	Stereo	8Ω	2X800W	2X1000W	2X1400W
		4Ω	2X1200W	2X1500W	2X2100W
		2Ω	2X1360W	2X1700W	2X2380W
Peak Power (1KHz, 1% THD)	Stereo	8Ω	2X1600W	2X2000W	2X2800W
		4Ω	2X2400W	2X3000W	2X4200W
		2Ω	2X2720W	2X3400W	2X4760W
Output Connector		Binding for Stereo & Bridge Output			
Frequency Response		20Hz-20KHz, -1dB			
Input Sensitivity		EKA-8D/EKA-10D(0.775V)/EKA-14D(35dB/1.0V)			
Input Impedance (bal/unbal)		20kΩ/Balanced, 10kΩ/un-Balanced			
S/N Ratio		110dB			
Distortion		<0.03% (8 Ohms/1KHz/half power)			
Crosstalk (at rated output power, 1KHz, 8 Ohms)		80dB			
Damping Factor (1KHz, 8 Ohms)		700			
Conversion Rate		30 V/μS			
Protection		Soft Start, Short Circuit, Limiter, DC Fault, AC Line Fuse, Thermal Cut			
Cooling System		Two steps speed fan			
Power Requirement		AC:90-260V50/60Hz			
Net Weight (kg)		EKA-8D(5kg)	EKA-10D(5.3kg)	EKA-14D(6.4kg)	
Dimension (W*D*H)		483x44x350mm			



Peripheral Equipment Series



EKX-5A(Professional Digital Audio Processor)

Features

- Latest ADI 5 series chip, 64-Bit high-performance dual-core DSP
- 9-band PEQ for music channels; automatic recognition of optical input
- 15-band PEQ for microphone adjustment, fully digital audio processing system, and stereo DSP multiple digital reverbs for more professional vocal
- Microphone noise rejection along with independent limiter design; switchable 2Hz~8Hz frequency shift for feedback suppression
- Independent HPF/LPF, and 5-band PEQ Reverb/Echo under Effect Channel
- 7-band PEQ for each output channel, along with HPF/LPF, mix ratio, polarity, delay, limiter and gain functions
- Supports VOD IR remote control
- Supports PC control via RS232, using a professional device control software
- Includes RTA software interface to help find and eliminate howling
- 3-level password lock for customized security setting
- Save up to 9 system modes; device automatically restores last saved setting upon bootup

Application

- KTV project installation

Specification

Music Channel

- Music Socket Max. Input Level: +14dBu (4V RMS)
- All Channel Max. Output Level: +14dBu (4V RMS)
- Mic Input Sensitivity: 64mV (out:4V)
- Music Input Gain: 0dB, +3dB, +6dB (selectable)
- S/N Ratio: >90dB
- Power Supply: 220V/50Hz
- Net Weight: 3.8Kg
- Device Dimensions (L*W*H): 483*218.5*47.5mm



EKX-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 at 1kHz(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-408(Digital Audio Processor)

Features

- 96KHz sampling frequency, 32-bit DSP processor, 24-bit A/D and D/A converter
- A variety of models: 2in-4out, 2in-6out, 2in-8out, 3in-6out, 4in-6out, 4in-8out; multiple crossover types, HP/LP crossover can reach 20Hz~20KHz
- Provides USB 2.0, USB3.0, RS485 and TCP/IP interfaces for PC connection, in which the RS485 interface can connect up to 250 devices and be controlled over 1500 meters away via PC
- Convenient, intuitive and simple control on the panel or via PC software
- Store up to 30 sets of user programs locally
- Lock panel control with a password in SYSTEM setting to prevent parameter modification
- Each input/output has independent 6-band PEQ with five EQ modes: PEQ/Hi-Shelf/Lo-Shelf/APF-1st/APF-2nd, and has adjustable gain ($\pm 20\text{dB}$)
- Each input channel has adjustable noise gate, two full-parameter adjustable dynamic equalization (DEQ) and automatic gain control
- 2 × 24 LCD blue backlight display, 5-segment LED input/output digital level meter, mute and edit status
- Each input/output has delay, phase control and mute settings; delay can be up to 1000ms, in unit of milliseconds(ms), meters(m), feet(ft), and be finely or coarsely tuned
- Output channel can also control compression and limiter, select input channel signal and copy all parameters of one channel to another channel for linkage control

Application

- Suitable for theater, stage performance, club, bar, etc.

Specification

- Input Channel and Socket: 4CH XLR female
- Output Channel and Socket: 8CH XLR male
- Input Impedance: balanced: 20K Ω
- Output Impedance: balanced: 100 Ω
- PC Interface: front: 1 USB2.0 (PC)/USB3.0 (WIFI/PC); rear: 1 RS485 (Phoenix socket), 1 TCP/IP (RJ45)
- CMRR: >53dB (1KHz)
- Input Range: +15dBu
- Frequency Response: 19.7Hz-20KHz($\pm 0.5\text{dB}$)
- S/N Ratio: >88dB
- Distortion: <0.03% OUTPUT=0dBu/1KHz
- Channel Separation: >100dB(1KHz)
- Input Channel Function:
 - Input Noise Gate: one for each input channel, threshold: -120dBu~0dBu, step: 1dBu
 - Input Mute: one for each channel
 - Input Gain: adjustment range: -80dB~+12dB in 0.1dB steps



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

- Power Supply: AC220V-230V, 50/60Hz
- Frequency Shift: 5 Hz \pm 1 Hz
- Line-in Impedance: $\geq 5K\Omega$
- Phantom Power: +48VDC
- Frequency Response: non-frequency-shift status: 20 Hz-20K Hz; frequency-shift status: 150 Hz-15K Hz
- Microphone Channel: 6 channel
- Gain Boost: 5-14dB
- Line-out Impedance: $\leq 600\Omega$
- Power Consumption: 15W
- Input Connector: mic 6*XLR female & 6*1/4" TRS, line RCA dual CH
- Output Connector: master out 2*XLR male, line RCA dual CH
- Dimension (W×D×H): 484x227x44mm
- Net Weight: 2.6Kg



EPO-802N



EPO-802P

EPO-802P/EPO-802N(Power Sequencer)

Features

EPO-802P

- 2-inch color LCD smart display shows real-time voltage, date and time, and channel switch status
- 8 sequence channels, and the delay time to switch on/off each channel can be set freely(0-999s)
- Panel lock function prevents misoperation
- Automatic scheduled switching on/off based on built-in clock chip
- Supports cascade control of multiple devices and automatic cascade detection
- RS232 port supports connecting external central control device
- 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 overvoltage detection
- Power purification function (EMI professional grid filter) provides a purer power supply

EPO-802N

- Built-in filtering function reduces 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 endures 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 rooms, multi-function halls, KTV, bars, engineering installations and outdoor performances, etc.

Specification

- Rated Output: AC 220V, 50Hz
- Power Supply: AC 220V 50/60Hz
- Rated Total Output Current: 30A
- Sequence Channel: 8 channels
- Bypass Channel: 2 channels
- Factory Default Sequence Interval: 1 second
- Weight: approx. 2.85Kg (EPO-802N), 4Kg (EPO-802P)
- Dimension: 482×166×44mm (EPO-802N product), 536*410*80mm (EPO-802P packaging)



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	



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: $\leq 15\text{dB}@12\text{KHz}$	• Built-in USB full speed (12Mbps)
• Frequency Response: 20Hz to 50KHz $\pm 3\text{dB}$	• High Mid: $\leq 15\text{dB}@3\text{KHz}$	• Supports the USB mass storage class
• Gain Range: 0dB to 50dB MIC	• Low Mid: $\leq 15\text{dB}@500\text{KHz}$	MP3 Decode
• SNR (Signal to Noise Ratio): $< -100\text{dB}$	• Low: $\leq 15\text{dB}@80\text{KHz}$	• 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 $\pm 3\text{dB}$	• DSP Resolution: 24 bit vocal, small room, large hall, echo	• Frequency Response: 20Hz-20KHz
• Sensitivity: $+15\text{dBu} \pm 3\text{dB}$	• Type of Effects: echo + verb, flanger + verb, plate, chorus GTR, rotary GTR, tremolo GTR	• Signal/ Noise Ratio: $> 90\text{dB}$
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) all input channels, unity gain -70dB	
Equalization	• Max. Output: $+22\text{dBu}$ unbalanced, 1/4" jacks	
Mono Channel	• Aux Sends Max. Outputs: $+22\text{dBu}$	
• High: $\pm 15\text{dB}@12\text{KHz}$	• Aux Returns Gain Range: $-\infty$ to $+15\text{dB}$	
• Mid: $\pm 15\text{dB}$ frequency range 100Hz to 8KHz		
• Low: $\pm 15\text{dB}@80\text{KHz}$		



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 | |



AM Series(Mixing Console)

Features

- AM18: 18 inputs including 12 mics+ 3 Stereos(L+R)
- AM14: 14 inputs including 8 mics+ 3 Stereos(L+R)
- AM10: 10 inputs including 4 mics+ 3 Stereos(L+R)
- L/R on main channel, SUB group, SOLO and other bus signal distribution buttons
- Built-in 99 kinds of 24BIT DSP +digital display
- 3 band EQ
- Group output of SUB1/2
- Double 12-bar level meter monitoring
- PAN MUTE, THD signal lamp
- 2 stereo aux return input+PC USB-A 2.0 interface, can be used for USB playback and other electronic equipment
- Aux+ effect FX send, RCA input and REC recording output
- Independent monitoring+ Headphones monitoring for output
- 60mm logarithmic fader
- 48V phantom power supply

Application

- Suitable for all kinds of small & medium activities, conferences, multi-function hall, small performance

Specification

	INPUT		OUTPUT	CHANNEL		STEREO	RETURN
				MIC	LINE	LINE	
GAIN (0dBu)	GAIN (0dBu)			10~60	-10~40	-20~20	
	AUX	0dB(PRE)					
		0dB (POST)		10	-10	-22	
		MAX(POST)		81	61	33	
	MONITOR OUT	MAX (ALL MAX)		78	64	43	40
		0dB(GAIN Control at MIN)		5	-16	9	15
	PHONES OUT	MAX (ALL MAX)		84	61	50	40
		0dB(GAIN Control at MIN)		10	0	15	15
	GROUP OUT	MAX (ALL MAX)		56	67	46	
		0dB(GAIN Control at MIN)		15	-5	17	
	STEREO OUT	MAX (ALL MAX)		86	67	46	19
		0dB(GAIN Control at MIN)		15	-5	17	0
	CH INSERT OUT	MAX (ALL MAX)		60	44		
0dB(GAIN Control at MIN)			11	-13			
REC OUT	MAX		75	60	38		
Signal to Noise Ratio		STEREO OUT		79	64	84	
		PHONES OUT		79	65	85	
Noise (Control at MIN)		PHONES OUT (Fader at 0dB)	-90				
		STEREO OUT (Fader at 0dB)	-73				
		STEREO OUT (Fader at MIN)	-87				
		CH INSERT OUT	-95				



XR 26(Digital Mixer)

Features

- 16CH mic in, 3CH stereo in, 2CH digital stereo in (USB sound card, USB playback)
- 14CH BUS design, 8CH BUS out/8CH discrete programmable DCA, 1CH stereo master out, 1CH stereo monitor out, 3CH stereo digital out (AES/EBU, USB sound card, USB recording)
- All mic in CH has high-quality, programmable digital gain control and independent +48V power
- All input CH has independent low cut, PEQ, compressor, noise gate and phase processing
- All BUS output CH has independent crossover, PEQ, compressor, delayer, and supports 2 discrete pluggable 31-band GEQ processing
- Master out CH has independent crossover, PEQ, compressor, delayer, and discrete 31-band GEQ processing
- All in/BUS CH can be linked as stereo status freely
- All CH name and color can be customized
- All in/out CH can support any custom copy
- All in/out CH has independent preset save/recall function for settings like EQ, compressor and noise gate, and supports import/export via USB drive.

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: 5k Ω / Output: 200 Ω
- 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 1k) : -96dB
- Phase Difference: Phase difference between channels(+4dBu 1k) : <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

DT-2(Dante Box)

Features

- High quality A/D(24-Bit), D/A(32-Bit) convert, 48KHZ sampling rate
- 2 channel balanced MIC/LINE XLR input, 2 channel balance output, Dante can support 2IN/2OUT
- Dante digital network port configuration is a double standard network interface, which fully supports the function of unite switching and hot backup. Digital audio channel can support 2IN/2OUT, using 24-bit precision and extremely low network latency
- Each input channel with independent signal light and gain control, also with +48V phantom power controlled by switch. Its input channel 1 with high resistance switch selection, supporting guitar, bass, key instrument equipment input, input channel 2 extra with 2 stereo input port (one pair of RCA input and one 3.5mm socket). Supporting media player, notebook computer and others equipment signal input
- Each output channel with independent signal light
- Dante can be used in the standard existing network interchanger, has high interoperability: perfect cooperation with other start using Dante device
- Outer connect +12 VDC power supply, Power switch independently controlled and power indicator light



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 Impedance: balanced 10K Ω , unbalanced 5K Ω
- MIC Input Gain: 50dBu
- Max Input Level: +15dBu
- Dynamic Range: >105dB
- System THD (TH+N): <0.01%
- Max Output Level: +15dBu
- Output Impedance: 200 Ω (balance), 100 Ω (unbalance)
- Frequency Response: 20Hz-20kHz, -0.5dB
- DC Input: +12V 2A
- Dimension: 130mm*164mm*44mm

EKX-86(Wall Control Terminal)

Features

- Use with EKX-808 digital matrix processor for quick operations
- Controlled by RS485; in-wall concealed installation
- Quick channel volume control and preset calling

Application

- Sound reinforcement in conference halls, lecture halls, banquet halls, etc.

Specification

- Core Processor: 400MHz 32-bit dual-core
- Operating System: embedded system (FreeRTOS)
- Protocol Type: default Dacai configuration instruction set, the host computer can be configured to run MODBUS RTU, XGUS protocol
- Size: 4.0 inch
- Installation Direction: supports 0, 90, 180 and 270 degree rotation
- Voltage: 5-36V ($\pm 0.2V$)
- Power Consumption: Sleep: 0.4W; Dimmest w/o speaker: 1.5W; Brightest w/o speaker: 2.4W
- Communication Protocol: RS485
- Communication Baud Rate: RS485: 1200~115200bps, typical baud rate: 9600bps
- Dimension (L*W*H): 90.7mm*90.7mm*27.9mm





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: ≥ 85 dB | • Net Weight: 5Kg |
| • Distortion: $< 0.1\%$ (1KHz) | • Unit Dimension(mm): 485 x 395 x 95mm |
| • Frequency Response: 20Hz~20KHz ± 3 dB | |



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

- World-class advanced power amplifier circuit, featuring high efficiency, low distortion, high power, low noise, strong load
- Designed with 2CH AUX LINE INs, 1CH EMC(emergency) IN, 2CH MIC INs; and 1CH AUX OUT for cascading next power amplifier
- Independent volume control: LINE 1, EMC IN, LINE 2, MASTER
- Built-in Bluetooth/MP3 function for pushing playback program via mobile phone
- Six zone output buttons
- 1CH EMC IN with the highest priority for emergency alarm signal input
- MIC 1 and EMC IN have the highest priority, which overrides other line inputs, i.e., MIC 2, LINE 1/2
- Treble and bass adjustment function
- Advanced protection against short circuit, overheat and overload
- Circuit limiter function protects speakers by preventing excessive amplifier output
- Supports a variety of status indicators (power, signal, clipping, protection LED)
- Active fan cooling to ensure long-time operation
- Protection against mains fluctuation, over-voltage or under-voltage

Specification

Model	EBS-06M	EBS-12M	EBS-24M
Output Power	60W	120W	240W
Power Supply	AC220V/50HZ		
AUX Sensitivity	-10dB		
Mic Sensitivity	-40dB		
Frequency Response	80Hz~16KHz±1dB		
Distortion	THD≤0.1%		
S/N Ratio	≥70dB		
Line Output	0dB		
Protection Circuit	DC Surge, Overload, Overheat, Short Circuit		
Operating Humidity	20%~80% RH, no condensation		
Operating Temperature	-5°C~80°C		
Dimension (mm)	485 x 410 x 90mm		



EBS-24A/EBS-50A



EBS-100A

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	EBS-100A
Output Power	240W	500W	1000W
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 K Ω m(Ω)/250mV(-10dBV)unbalanced		10 K Ω (-6dB)balanced XLR; 10 K Ω (0dB)unbalanced TRS
Frequency Response	60Hz~18KHz		
Distortion	<0.1% at 1KHz, 1/3 rated power output		
S/N Ratio	Line: 70dB, Microphone: 66dB		
Gain Range	Bass: ± 10 dB(100Hz), Treble: ± 10 dB(10KHz)		
Protection	AC fuse: DC voltage, overload and short circuit protection		
Power Supply	AC220V~240V/50~60Hz		
Fuse	8A	10A	10A
Dimension	485 x 410 x 90mm	485 x 410 x 90mm	485 x 410 x 132mm
Weight	14Kg	16Kg	25.5Kg

EBS-6C(Ceiling Speaker)

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): Ø198
- Open Pore Dimension(mm): Ø168
- Frequency Response: 110Hz~13KHz



EBS-10W(Wall Speaker)

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)

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)

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 | |



EBS-60W(Column Speaker)

Features

- Rugged, waterproof, UV-resistant Aluminum enclosure
- Transparent tone, exquisite contour, professional dust-proof design

Application

- Outdoor use, e.g., supermarket, station, school, park, enterprise

Specification

- Rated Power: 120W (AES)
- Input Voltage: 70/100V
- Frequency Response: 90Hz~16KHz
- Sensitivity (1W/1M): 92dB
- Driver Size: 6.5" * 3
- Dimension: 225 x 120 x 740mm



EBS-100W(Column Speaker)

Features

- Rugged, waterproof, UV-resistant Aluminum enclosure
- Transparent tone, exquisite contour, professional dust-proof design

Application

- Outdoor use, e.g., supermarket, station, school, park, enterprise

Specification

- Rated Power: 200W (AES)
- Input Voltage: 70/100V
- Frequency Response: 90Hz~16KHz
- Sensitivity (1W/1M): 92dB
- Driver Size: 6.5" * 5
- Dimension: 225 x 120 x 1170mm



Microphone Series





G5(Wireless Microphone)

Features

- Digital pilot frequency technology effectively solves crosstalk problem
- UHF frequency, PLL design
- 100×2 channels, 250KHz interval
- Double superheterodyne design, high receiving sensitivity
- The mute circuit effectively reduces ON/OFF noise
- Infrared matching function
- Microphone operation time approximate 6-10h
- Voltage boosting design keeps the microphone performance during low voltage
- The microphone automatically mutes after being unheld by hand for 3 seconds, and stands by for 5 minutes, and powers off for 15 minutes

Application

- KTV, live performance, large conference

Specification

- Frequency Range: 645-693MHz
- Frequency Stability: $\pm 10\text{ppm}$
- Channel Quantity: 100×2
- Frequency Response: 40Hz-18KHz
- Distortion: $\leq 0.5\%$ (at 1KHz)
- S/N Ratio: $\geq 110\text{dB}$
- Receiving: double superheterodyne
- Modulation: FM
- Transmission Power: 3-30mW
- Receiving Sensitivity: -95~-60dBm
- Receiving Range: 100m (open area)
- Transmitter Power Supply: two AA batteries
- Receiver Power Supply: DC 12V
- Power Supply Consumption: $\leq 10\text{W}$



G108(8-Channel Wireless Conference System)

Features

- UHF 612.25MHz~690.00MHz with strong anti-interference property
- PLL and high-precision quartz crystal, plus MCU control for high frequency stability
- IR sync function for ease of use
- Advanced digital pilot frequency which eliminates interference and crosstalk
- Three AND-logic squelch circuits to prevent noise and surge upon power on/off
- Auto frequency finder to help find the interference-free channel quickly and easily
- Adjustable transmission power and noise gate, effectively adapting to different use distance
- Dual boost circuit to ensure transmission performance unaffected by decrease of battery voltage
- Simple UI and controls to prevent accidental setting changes leading to malfunction
- Silent switch on conference microphone to avoid mechanical switch noise
- Highly sensitive vocal pickup, allowing effortless speech or singing
- Use multiple sets together without interference or crosstalk between one another

Application

- Conference room, classroom, multifunction hall.

Specification

System Specification	Transmitter Specification
• Frequency Range: 612.25MHz-690.00MHz	• Antenna: built-in
• Frequency Band: 612.25-667.00MHz, 640.00-690.00MHz	• Spurious Suppression: -60dB
• Modulation: FM	• Output Power: 10~30mW
• Frequency Channel: 400 (200 channels per band, 2 bands in total)	• Power Supply: 2x1.5V AA battery
• Channel Spacing: 250KHz	• Battery Life: 10~20h (subject to the battery)
• Oscillation Mode: PLL synthesized	Receiver Specification
• Frequency Stability: $\pm 10\text{ppm}$	• Receiving Mode: dual conversion superheterodyne
• Dynamic Range: 100dB	• Intermediate Frequency: 110MHz, 10.7MHz
• Audio Frequency Response: 60-1600Hz	• Antenna: BNC/50 Ω
• S/N Ratio: $\geq 110\text{dB}$	• Receiving Sensitivity: -95~-75dBm
• Distortion: $\leq 0.5\%$	• Spurious Suppression: $\geq -75\text{dB}$
• Operating Range: 150m (open area)	• Audio Output: +10dB
• Operating Temperature: -10°C~+50°C	• Power Supply: DC 12V
	• Power Consumption: $\leq 7\text{W}$



M-2R(True Diversity Wireless Microphone)

Features

- Tuner true diversity technology improves receiving capability
- VA LCD intuitive display
- Preset 8 groups, each group has 12 non-interference channels for convenient installation
- Automatic search function for non-interference channel
- SQ function changes sensitivity threshold to improve anti-interference capability
- XLR and 6.3 connector for convenient connection
- The receiver can be used with Takstar antenna system to improve receiving range and signal

Application

- Show, wedding, school, church

Specification

System	Receiver	Handheld Transmitter
• Frequency Range: 470~960 Mhz (frequency band)	• Receiving: dual modulation auto diversity	• Power Supply: two AA batteries
• Channel Quantity: two channels	• Oscillation: PLL	• Transmission Power: $\leq 10\text{mW}$
• Frequency Band Quantity: 700	• Display: VALCD	• Display: LCD displays channel and power supply information
• Frequency Width: 30MHz	• Power Supply: DC12V1000mA	• Oscillation: PLL
• Modulation: FM	• Antenna: BNC/50 Ω , 10-12V300mA(Max.)	• Operation Time: more than 8h
• Mute Control: pilot tone	• Receiving Sensitivity: $\leq -85\text{dBm}$ (wired during test)	• Dimension (D*H): 54*260mm
• Frequency Deviation: $\pm 48\text{KHz}$	• Audio Output: XLR & 6.3mm connector	• Weight: approx. 345g
• Frequency Response: 50~18000Hz	• Receiver Dimension (LxWxH): 400 x 42 x 183mm	• Bodypack Transmitter
• Frequency Accuracy: $\pm 15\text{KHz}$	• Receiver Weight: approx. 1720g	• Channel setting: SYNC automatic lock frequency
• Dynamic Range: $\geq 95\text{dB}$ A+		• Display: LCD displays channel and power supply information
• S/N Ratio: $\geq 100\text{dB}$ A+		• Oscillation: PLL
• Distortion: $\leq 1\%$ (at 1KHz)		• Power Supply: two AA batteries
• Operation Range: 100M		• Transmission Power: $\leq 10\text{mW}$
		• Operation Time: more than 8h
		• Dimension (WxLxH): 66*97*25mm
		• Weight: approx. 86g



X4(UHF Wireless Microphone)

Features

- UHF wide frequency band design provides 800 selectable frequencies
- D-PLL RF frequency lock technique for accurate frequency and stable performance
- Double conversion receiving technology features strong signal receiving ability
- 10 groups of interference-free reception frequencies pre-setting for convenient setup of multiple systems at one venue
- Adopts professional audio companding technique for low noise and wide dynamic range
- Intelligent microcomputer control enables 4 wireless microphones to work simultaneously
- Designed with 4 independent audio outputs, 1 mixed output and 4 independent volume control for different application requirement
- Intuitive LCD display on both receiver and transmitters

Application

- Meeting room, campus classroom, karaoke, home entertainment, outdoor activities

Specification

System Specification	Receiver Specification
• Frequency Range: 470~960MHz (Frequency band)	• Receiving Mode: Double conversion superheterodyne
• Modulation Mode: FM	• Intermediate Frequency: First: 184.2MHz
• Adjustable Range: 40MHz	Second: 10.7MHz
• Number of Frequencies: 800	• Wireless Interface: TNC/50Ω
• Frequency Spacing: 50KHz	• Sensitivity: 12 dBμV (80dBS/N)
• Frequency Steadiness: $\leq \pm 0.005\%$	• Spurious Suppression: -60dB
• Dynamic Range: 100dB	• Max. Output Power: +3 dBv
• Max Frequency Deviation: $\pm 48\text{KHz}$	Transmitter Specification
• Audio Frequency Response: 80Hz-12KHz	• Output Power: <10mW
• S/N Ratio: >85dB (A weighted)	• Spurious Suppression: -60dB
• Total Harmonic Distortion: $\leq 1.0\%$	• Power Supply: 2pcs AA battery
• Operating Temperature: -10°C~+40°C	• Play Time: More than 8 hours



X7(UHF Wireless Microphone)

Features

- Using UHF wideband design, pre-programmed 200 selectable channels, anti-interference ability
- Use double-conversion receiver technology, with superior signal receptivity, and up to 500 meters wireless range
- Apply DPLL frequency stabilization, frequency accuracy, stable and reliable
- The use of professional audio compression - extension technology, low noise, small tail, greater dynamic range
- Advanced audio code modulation lock function, better able to avoid interference and impulsive noise elimination switch
- A separate output (XRL) and mixed (6.35mm) output for easy connection audio processing, amplifier equipment

Application

- Campus, sports activities and hosted lectures, outdoor activities and stage performances and other occasions

Specification

System Specification:

- Frequency Range: 740MHz-790MHz
- FM mode: FM Bandwidth
- Adjustable Range: 50MHz
- Number of Channels: 200
- Channel Spacing: 250KHz
- Frequency Stability: $\pm 0.005\%$ or less
- Dynamic Range: 100 dB
- Maximum Deviation: $\pm 45\text{KHz}$
- Audio Frequency Response: 80Hz-18kHz ($\pm 3\text{dB}$)
- Integrated SNR: $> 105\text{dB}$
- Integrated Distortion: $\leq 0.5\%$
- Operating Temperature: $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$

Receiver Specification:

- Receiver Mode: double conversion superheterodyne
- IF Frequency: 1st IF: 110MHz; 2nd IF: 10.7MHz
- Wireless Interface: TNC/50 Ω
- Sensitivity: 12 dB μV (80dBS / N)
- Spurious Rejection: $\geq 75\text{dB}$
- Maximum Output Level: +10 dBV
- Receiver Dimensions: 420 \times 215 \times 50mm
- Receiver Weight: 2595g

Transmitter Specification:

- Spurious Rejection: -40 dB
- Power Supply: two 1.5V batteries
- Spurious Rejection: -60dB
- Use Time: > 6 hours
- Handheld Dimensions: 265 \times 55 \times 40 mm
- Handheld Weight: 290g
- Lavalier Transmitter Box Size: 115 \times 35 \times 20mm
- Lavalier Transmitter Box Weight: 90g



MS800(Conference Microphone)

Features

- Sound collecting tube, 20-80 cm of pickup range, long-distance pickup
- Cardioid pickup pattern to effectively reduce ambient noise
- Three levels of adjustable gain flexibly configured according to the on-site situation
- Utilizes a short-handle design, with combined casing of zinc/aluminum alloys, for a classic and premium look
- Maximum elevation angle of 50°, locking design added to the base joint, angle adjustment accurate and effective for a long time
- 48V phantom power, XLR connector for connecting to mixers, phantom power, etc.
- Radio frequency interference (RFI) shielding technology to eliminate the noise caused by electromagnetic interference or cell phone interference

Application

- Conferencing, broadcasting

Specification

- Type: back electret condenser
- Polar Pattern: unidirectional
- Frequency Response: 60Hz-18kHz
- Sensitivity: $-31\text{dB} \pm 3\text{dB}$ (0dB=1V/Pa at 1kHz)
- Output Impedance: $100\Omega \pm 30\%$ (at 1kHz)
- Operating Voltage: 48V
- Net Weight: approx. 991g



MS-T5/MS-T2(Conference Microphone)

Features

- Designed with five professional microphones and stand together
- Line array design of microphones to effectively promote picking up range
- Flexible redundant microphone configuration to prevent from accident situation
- Front address cartridge of small diaphragm, wide frequency response, powerful bass, clear treble
- -10dB attenuation of microphone to improve feedback problem and boost peak SPL
- 100Hz HPF of microphone to effectively reduce ambient noise
- RF interference shield technology to prevent from RF interference, e.g. cell phone signal interference

Application

- News release conference, broadcast recording, large report, conference, etc

Specification

- Type: gold plated diaphragm condenser cartridge
- Polar Pattern: cardioid
- Frequency Response: 30Hz-20kHz
- Sensitivity: -35dB \pm 2dB (0dB=1V/Pa at 1kHz)
- Output Impedance: 200 Ω \pm 30% (at 1kHz)
- Load Impedance: \geq 1000 Ω
- Equivalent Noise Level: \leq 22dB A (IEC 581-5)
- Peak SPL: 130dB (THD \leq 1.0% at 1kHz) 140dB (with 10dB pad)
- LF Attenuation: 100Hz 10dB/Oct
- Power Supply: 48V phantom power
- Dimension: \varnothing 22 x 145mm



DG-S100(Conference System)

Features

- The system consists of a control unit, chairman units and delegate units
- The system has the functions of free speech, in-turn-speech, controlled delegate speech, chairman priority, video tracking
- 8 core cable for connection, plug and play
- The host has RS232 connector to link with PC for the management of microphone or video
- The host has 8 in 2 out video matrix and is compatible with multiple protocols
- Chairman units and delegate units can be added freely. Total unit quantity: ≤ 250 pcs
- Speech sound prompt can be set on the chairman unit to remind the delegate unit
- The units are designed with unidirectional condenser microphone
- The units are powered by the control unit, 18V power supply

Application

- Conference room

Specification

- Control Unit Frequency Response: 100Hz ~18KHz
- THD: @100Hz~18KHz, conference system sound output less than 0.1%
- Unit Frequency Response: 50-16kHz
- Microphone Sensitivity: $-42\text{dB} \pm 2\text{dB}$
- Pickup Range: 15cm-60cm



DG-S101(Embedded Conference System)

Features

- Consists of a Central Unit, and Discussion Units (Chairman/Delegate)
- Speak Modes: Free/Alternate/Restricted/Chairman-Only. Supports video tracking
- Hand-in-Hand daisy chain connection with 8P-DIN cable, enables hot-swap function
- Central Unit: RJ45/RS232 (optional) interface, used for central management of mic and video via special PC software
- Central Unit: 8-In / 2-Out video matrix which supports multiple control protocols
- Discussion Unit: Speak button and LED indicator, for speak control and status indication
- Discussion Unit: Unidirectional condenser capsule with pop filter
- Discussion Unit: Powered by 18V safe voltage from Central Unit
- Discussion Unit: Connected by 8P-DIN Y splitter cable
- Chairman Unit: Priority button overrides Delegate Unit speech
- Chairman Unit: Able to set Speak Reminder tone to call for participants' attention
- Supports unlimited number of Chairman Units, placeable anywhere inside the daisy loop

Application

- Conference rooms for enterprises, institutions, government agencies

Specification

Central Unit (CU)	Embedded Discussion Unit (DU)
• CU Frequency Response: 100Hz ~18KHz	• DU Frequency Response: 50-16kHz
• THD: < 0.1% @ 100Hz~18KHz	• Microphone Sensitivity: -42dB±2dB
• DU Frequency Response: 50-16kHz	• Reference Speak Distance: 15cm-50cm
• Microphone Sensitivity: -42dB±2dB	• Microphone Length: 420mm
• Reference Speak Distance: 15cm-60cm	• Dimension: 200mm*50mm
	• Cut-out Size: 151mm*48mm
	• Net Weight: 0.7kg



DG-U100(Conference System)

Features

- Connects up to 83 mic units within signal coverage, allowing simultaneous speech from 1~4 persons
- Real-time tracking of speakers by connecting to cameras; controls up to 7 cameras at the same time
- Supports multiple PTZ camera control protocols such as Sony Visca, Pelco-P and Pelco-D
- Smart LAN control software for managing all units in one integrated interface, easy to deploy
- Infrared sync for greater ease on setting up conference
- Built-in 15-band EQ for each channel, adjustable as required
- Remote gain control on discussion units, catering to different speaker requirements
- SUBG band data scheduling technology, wireless digital audio/control signal processing, farther transmission and better anti-interference
- Intelligent power management lowers battery consumption by auto shutdown of discussion units when central unit is powered off
- Remote frequency changer allows synchronizing frequency changes remotely between central unit and discussion units
- Supports two discussion modes: FIFO (First-in-First-out) or No-Delegate mode
- XLR/TRS/TRS-Isolated outputs for connection with various audio equipment
- 2U rack unit size installs into a standard 19" rack mount

Application

- Suitable for meetings, classrooms, multi-function halls

Specification

Control Unit	Discussion Unit
• Power Supply: DC 12V/1A	• Power Supply: DC 3V, AA 1.5V * 2
• Frequency: call frequency: 640-692MHz, scheduling frequency: 315-316MHz	• Transmit Power (antenna port): $\geq 10\text{mW}$
• Receiving Sensitivity: -105dBm	• Mic Capsule: condenser, unidirectional
• S/N Ratio: $> 80\text{dB}$	• Continuous Use Time: 8hrs (subject to battery capacity)
• T.H.D: $< 0.5\% \text{dB @ } 1\text{KHz}$	
• Effective Range: $\geq 30\text{m}$ (in open area)	
• Number of Discussion Channels: 4 X 83	
• Network Communication Protocol: UDP	
• Camera Control Mode: RS-485, 9600 baud	
• Power Consumption: 6W	

Dual 8/Single 12 Inch Frame

Features

- 60*30 seamless square tube 3mm thick
- 5mm iron side board
- 4*M12 nuts soldered on the square tubes for wheel assembly
- Suitable for ELA Series Speakers



Single 8 Inch Frame

Features

- 60*30 seamless square tube 3mm thick
- 5mm iron side board
- 4*M12 nuts soldered on the square tubes for wheel assembly
- Suitable for ESA Series Speakers



ST-8 Speaker Stand

Features

- Telescopic design, adjustable height
- Stand load capacity: approx. 5Kg
- Cable-in-stand design, cable less than Ø8mm
- Suitable for EKC Series Speakers



ST-9 Speaker Stand

Features

- Male thread, thickened tubing with stoving varnish
- Telescopic design, 4 selectable positions for variable height
- Durable metal tube can bear around 30 kg
- Embedded security pin, hard to lose, easy to fix in place
- Spray paint finish, neat and clean
- Suitable for ESC-15A Subwoofer and ELV-181 Subwoofer



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



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· Specifications are subject to change without prior notice.

