

# TAKSTAR® 得胜

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**TAKSTAR®**

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· Specifications are subject to change without prior notice.



# AUDIO SYSTEM

Speaker Cabinet / Power Amplifier / PA System  
/ Peripheral Equipment



## Company Introduction

Established in 1995, Takstar is a leading producer in electro-acoustic industry, commencing as a microphone manufacturer, its product range has grown up to become diversified, which comprises professional microphone, headphone, voice amplifier, integrated application products and audio system.

With a large production building area (old factory: 45,000m<sup>2</sup>; new factory: 180,000m<sup>2</sup>) ,1500 employees, complete processing workshops and advanced equipments, Takstar is acknowledged as one of the largest electro-acoustic production bases in the world and a comprehensive corporation consolidating research and development, manufacture, sales and after-service.

### Takstar Mission

To offer quality sound experience and provide creative applied sound solutions for world-wide users.

### Required to All Staff

Exert Creativity, Improve Process, Control Quality, Satisfy Customer

### Our Culture

Innovative, Efficient, Respectful, Responsible

# Reputation Certificate





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# Line Array Series

## Application

Show, church, theater, multifunctional hall, stadium





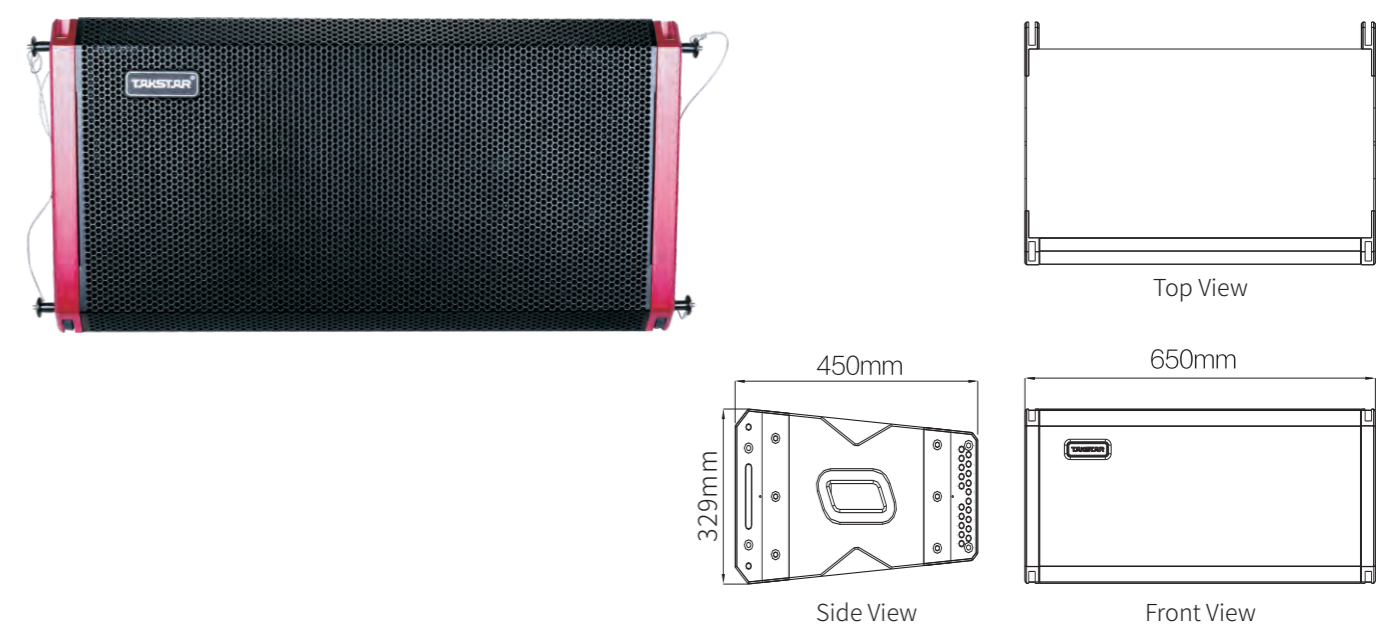
### ELA-082(Full Range Speaker Cabinet)

#### Features

- Two 8" 50mm voice coil MFLF speakers with refined cone, voice coil and spider which extremely reduce the distortion and ensure the charming tone during high power operation
- CELESTION HF driver, high directivity horn together with the crossover of the processor avoid the tone loss and keep high sensitivity, accurate MF performance and excellent HF resolution
- Heat resistant glass fiber bobbin and heat 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	• Peak Power: 1200W
• Magnet: ferrite 160mm	• Magnet: NdFeB	• Wood: 18mm plywood
• Sensitivity: 95dB	• Sensitivity: 110dB	• Dimension: 450 x 650 x 270mm(W x D x H)
• Rated Impedance/Power: 8Ω/100W	• Rated Impedance/Power: 8Ω/40W	• Connector: 2pcs, IN: MFLF 1+/1-, HF 2+/2-
• Frequency Response: 73Hz-4KHz	• Frequency Response: 1.2KHz-20KHz	• Cable: 1.5mm <sup>2</sup> 4 core audio cable
		• Weight: approx. 25.9Kg
MFLF UNIT-Speaker Cabinet	HF Unit-Speaker Cabinet	
• Quantity: 2pcs	• Quantity: 2pcs	
• Impedance: 16Ω(two woofer series)	• Impedance: 16Ω two tweeter series	
• Rated/Peak Power: 220W/800W	• Rated/Peak Power: 80W/320W	
• Power Amplifier Matched: 800W x 2, two cabinets parallel	• Power Amplifier Matched: 300W x 2, two cabinets parallel	
• Crossover Range: 80Hz-2300Hz	• Crossover Range: 2300Hz-17000Hz	
• Filter: HPF Bwt24, LPF Lk/R24	• Filter: HPF Lk/R24, LPF Lk/R24	



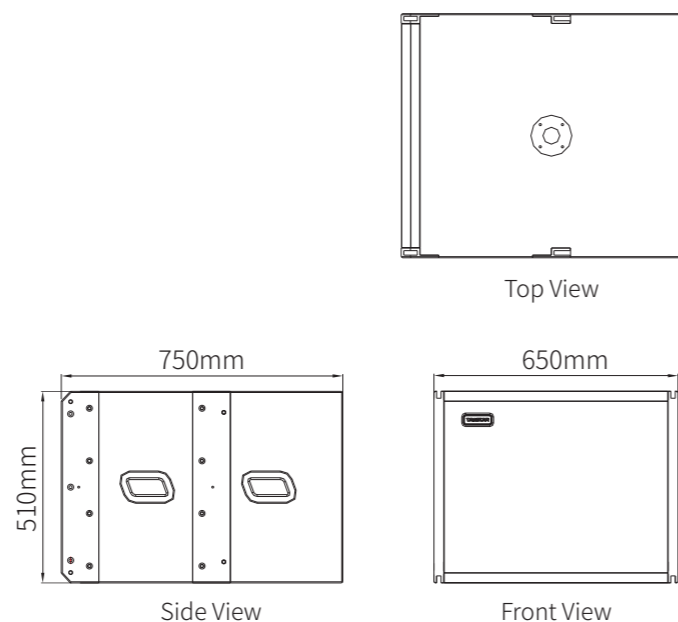
### ELA-121(Full Range Speaker Cabinet)

#### Features

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

#### Specification

MFLF Unit-Speaker	HF Unit-Speaker	Other Specifications
• OD: 12"	• OD: 123mm	• Directivity: 100° x 8°
• Voice Coil Dia.: 75mm	• Voice Coil Dia.: 65mm	• Peak Power: 1500W
• Magnet: NdFeB	• Magnet: NdFeB	• Enclosure: 18mm plywood
• Sensitivity: 98dB	• Sensitivity: 109dB	• Dimension: 450 x 650 x 329mm(W x D x H)
• Rated Impedance: 8Ω	• Rated Impedance: 8Ω	• Connector: 2 pcs, IN: MFLF 1+/1-, HF 2+/2-
• Frequency Response: 73Hz-4KHz	• Frequency Response: 0.7KHz-18KHz	• Cable: 4 core audio cable
		• Weight: approx. 27.8 Kg
MFLF Unit-Speaker Cabinet	HF Unit-Speaker Cabinet	
• Quantity: 1pc	• Quantity: 1 pc	
• Rated Power: 300W	• Rated Power: 75W	
• Power Amplifier Matched: 800W x 2, two speaker cabinets parallel	• Power Amplifier Matched: 300W x 2, two speaker cabinets parallel	
• Crossover Range: 50Hz-1700Hz	• Crossover Range: 1700Hz-18000Hz	
• Filter: HPF BW-24, LPF BW-48	• Filter: HPF Lk-24, LPF Lk-24	



## ELA-181SUB(Subwoofer)

### Features

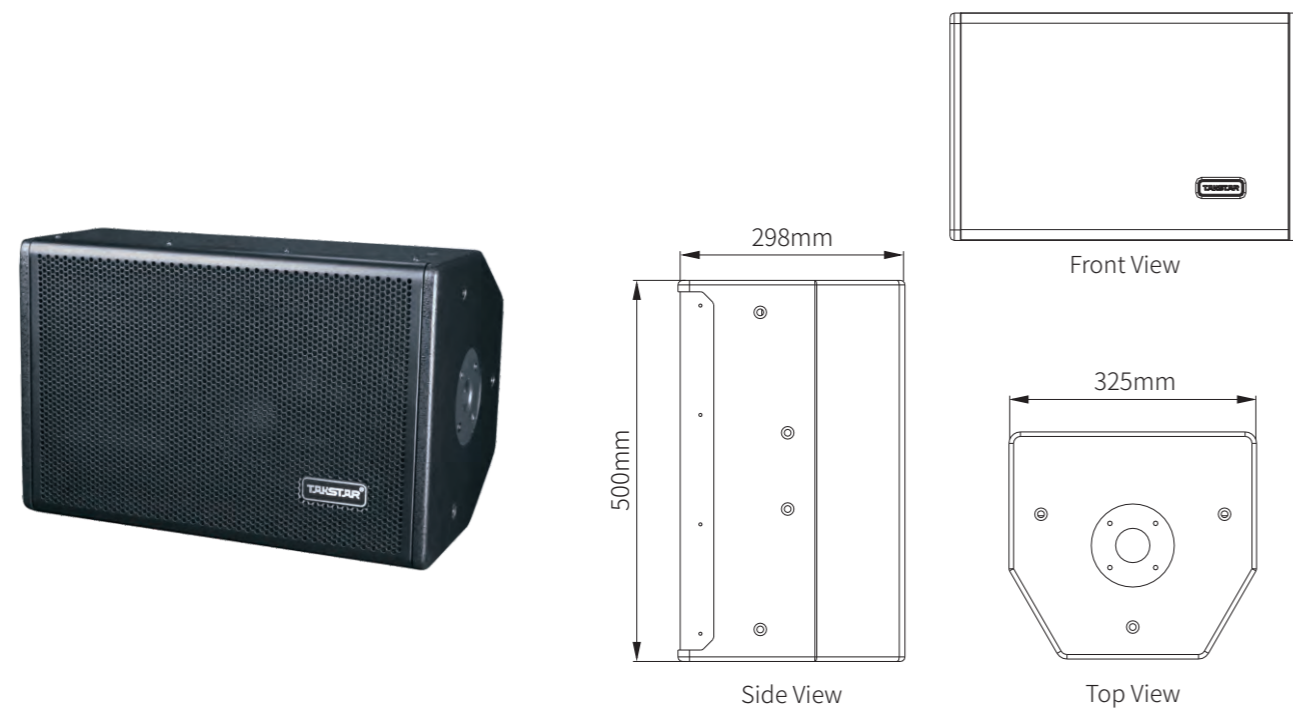
- The suspension part of ELA-181SUB matches with that of the vertical dimension of ELA-082/ELA-121 full range speaker cabinet and can be connected together. When more quantity is needed, ELA-082/ELA-121 and ELA-181SUB can also be suspended in one line independently, e.g. ELA-082/ELA-121 one line, 4 ELA-181SUB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

### Specification

- OD: 18 inch
- Voice Coil Dia.: 100mm
- Magnet: ferrite 220mm
- Sensitivity: 99dB
- Rated Power: 650W
- Peak Power: 2400W
- Rated Impedance: 8Ω
- DC Impedance: 5.6Ω
- Frequency Response: 34Hz-2.5KHz
- Quantity: 1pc
- Speaker Impedance: 8Ω
- Directivity: no
- Power Amp Matched: 1300W x 2 paralleled
- Crossover Range: 25Hz-100Hz
- Filter: HPF Bwt24, LPF Bwt24
- Enclosure: 25+18mm plywood
- Dimension: 800 x 650 x 510mm(W x D x H)
- Connector: 2pcs, IN: 1+/1-
- Cable: 1.5mm<sup>2</sup> 2 core audio cable
- Weight: approx. 55.7Kg

# EKV Speaker Cabinet Series





### EKV-101(Full Range Speaker Cabinet)

#### Features

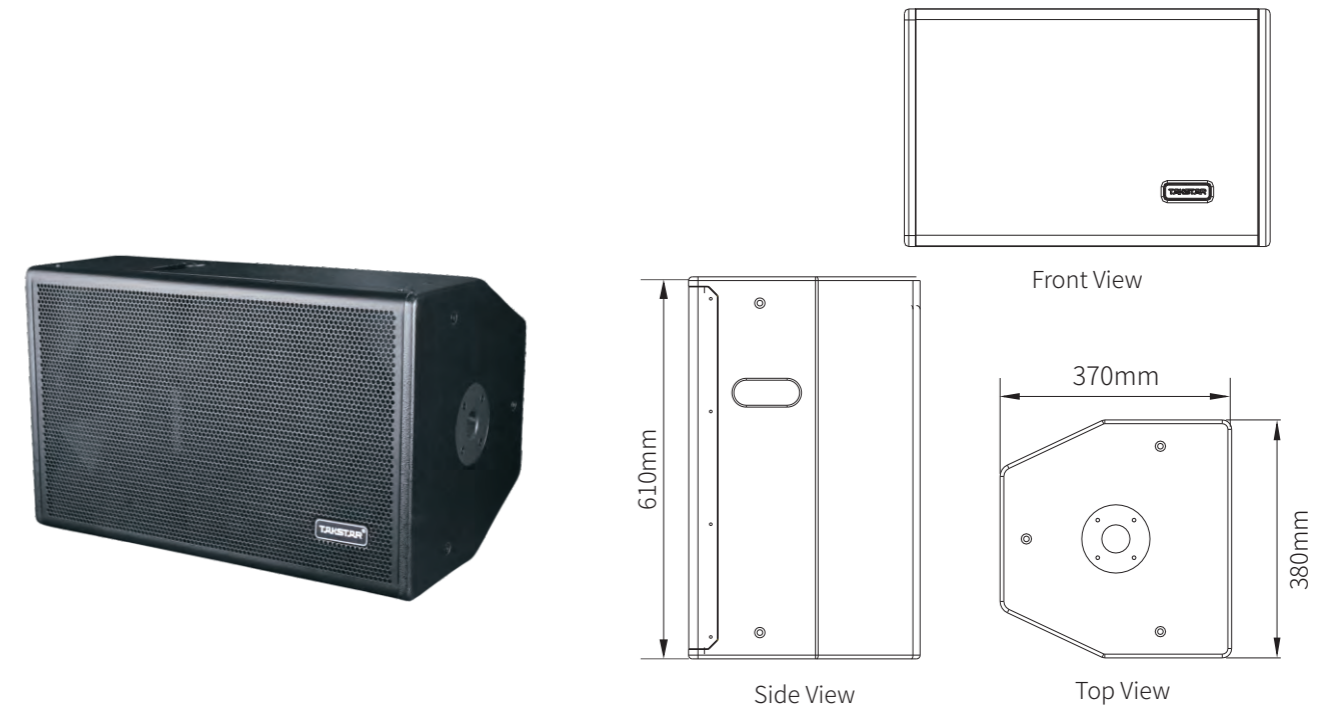
- EKV-101 consists one 10 inch 65mm voice coil woofer and one 36mm ferrite magnet steel HF with high polymer diaphragm, soft and delicate tone
- The speaker cabinet endures wide dynamic power and keep stable performance for long time music playing
- Glass fiber acoustic foam is used inside the cabinet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

#### Specification

- |   |  |
|---|--|
| • Rated Power: 200W                     | • 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           |  |

#### Application

- KTV, bar



### EKV-121(Full Range Speaker Cabinet)

#### Features

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

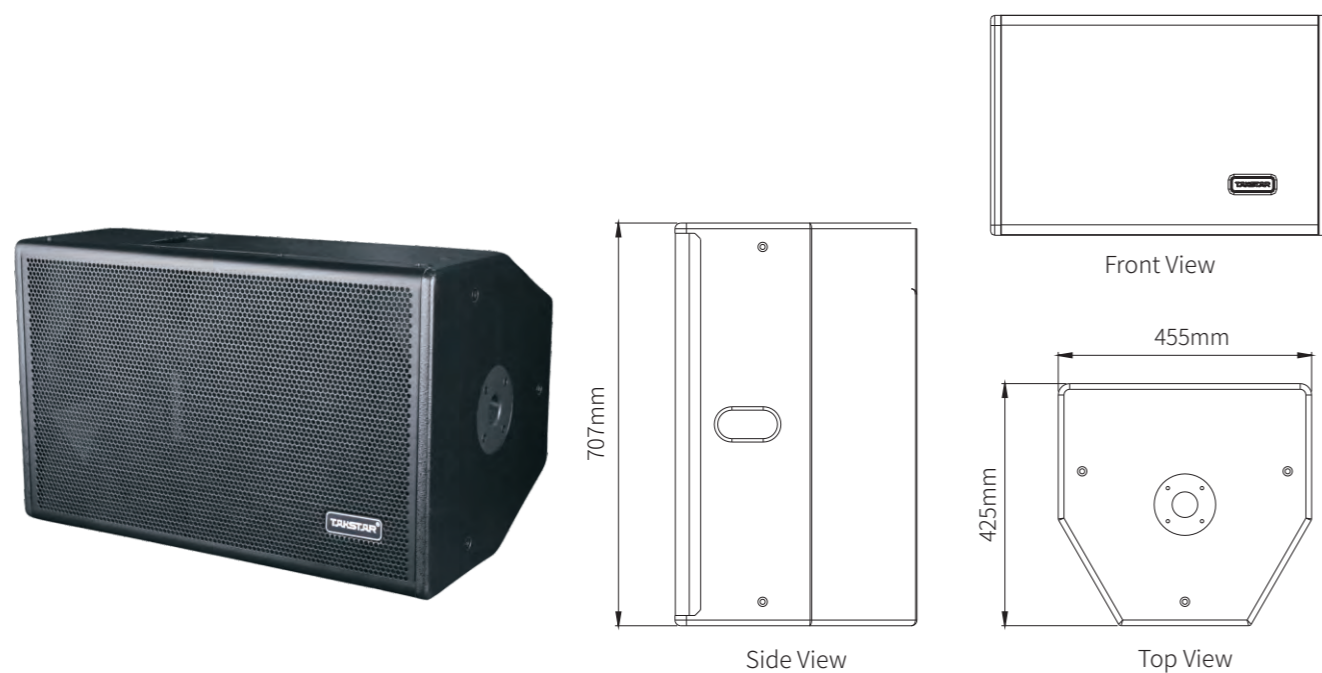
#### Specification

- |  |   |
|--|---|
| • Rated Power: 300W                    | • Suspension/Installation: vertical or horizontal   |
| • Rated Impedance: 8Ω                  | • Connection: 1 x NL4 speakon(IN1+, 1-, LINK2+, 2-) |
| • Frequency Response: 40Hz-19KHz(±3dB) | • Enclosure: 15 + 18mm plywood                      |
| • Sensitivity: 96dB                    | • Finish: black painting                            |
| • Coverage: H90° x V90°                | • HF: 1.75" x 1(44mm, 26mm throat)110 magnet        |
| • SPL: 121dB                           | • LF: 12" x 1(65mm), 170 magnet steel               |
| • Crossover: two way passive           | • Dimension(mm): 370 x 380 x 610(W x D x H)         |
| • Crossover Frequency: 2000Hz          |   |

#### Application

- KTV, bar





## EKV-151(Full Range Speaker Cabinet)

### Features

- EKV-151 consists of one 15 inch 75mm voice coil cone woofer and one 63mm HF compression driver
- The woofer adopts UKM cone for soft bass and clear tone layers
- Symmetric magnet circuit for reducing the second harmonic distortion
- HF driver uses 1.5 inch compression throat and wide directivity large POM horn for flat and delicate treble
- The crossover components use low consumption OFC inductor, high quality polypropylene capacitors and heat dissipation resistors to ensure reliable performance and prominent tone
- The trapezoidal enclosure eliminates the internal standing wave to achieve clean bass and flat frequency response

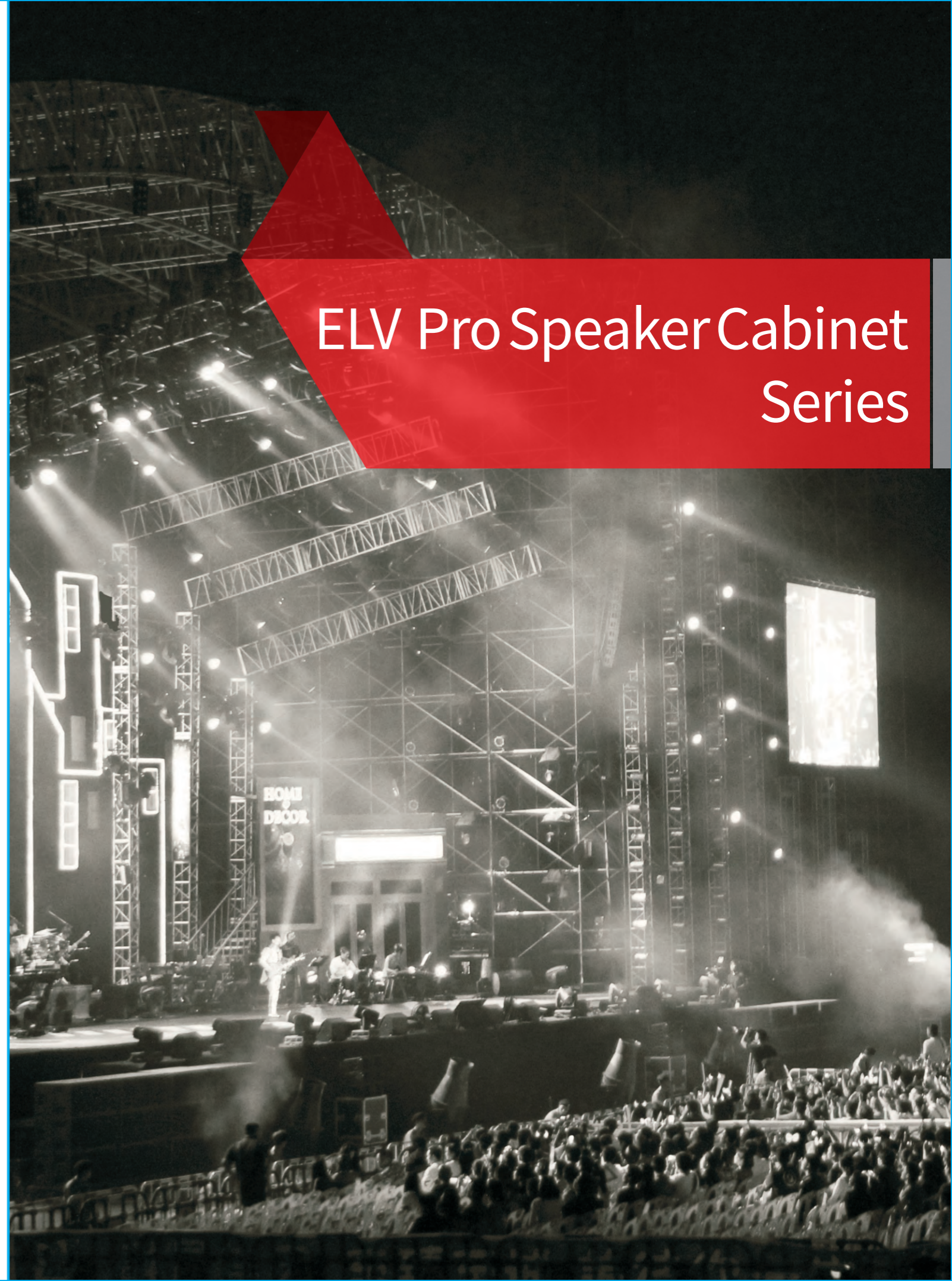
### Specification

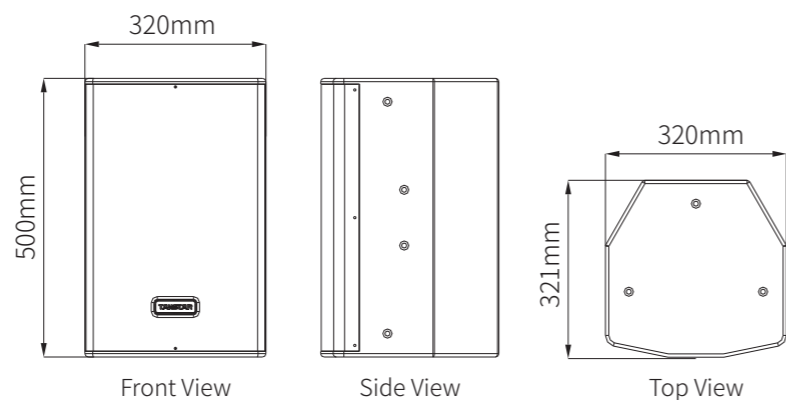
- |   |   |
|---|---|
| • Rated Power: 400W                               | • Connection: 1 x NL4 speakon(IN1+, 1-, LINK2+, 2-) |
| • Impedance: 8Ω                                   | • Enclosure: 18mm plywood                           |
| • Frequency Response: 36Hz-20KHz                  | • Finish: black painting                            |
| • Sensitivity: 97dB                               | • HF: 2.5" x 1(63mm, 36mm throat)145 magnet         |
| • Coverage: H100° x V55°                          | • LF: 15" x 1(75mm), 190 magnet                     |
| • SPL: 124dB                                      | • Dimension(W x D x H): 445 x 425 x 707mm           |
| • Crossover: two way passive                      | • Weight: approx. 30Kg                              |
| • Crossover Frequency: 2100Hz                     |   |
| • Suspension/Installation: horizontal or vertical |   |

### Application

- KTV, bar

# ELV Pro Speaker Cabinet Series





## ELV-101(Full Range Speaker Cabinet)

### Features

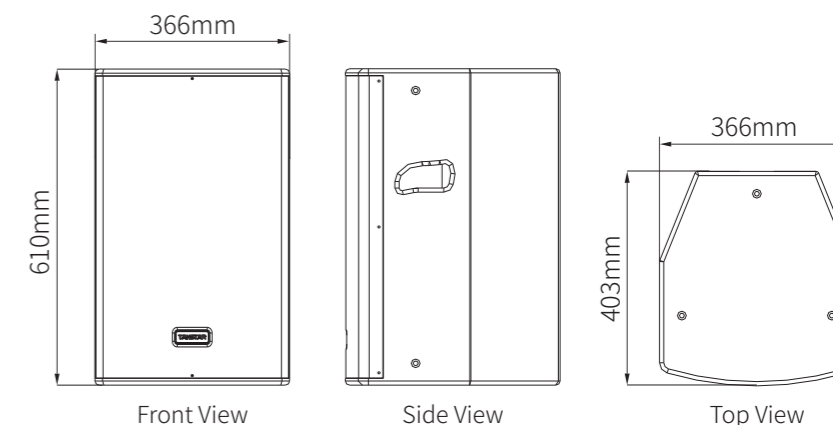
- This 10 inch full range professional speaker (with one 34mm HF) uses refined cone, voice coil and spider
- CELESTION HF driver for high sensitivity, rich bass, wide vocal, charming and clear MFHF to suit for Karaoke application
- The unit structure consists of one 10 inch 65mm voice coil cone woofer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

### Specification

- |  |   |
|--|---|
| • Rated Power: 250W                    | • Crossover Frequency: 2200Hz                                   |
| • Peak Power: 1000W                    | • Suspension/Installation: horizontal or vertical               |
| • Rated Impedance: 8Ω                  | • Connection: 1 x NL4 speaker connector(IN 1+, 1-, LINK 2+, 2-) |
| • DC Impedance: 7Ω                     | • Enclosure: 15mm plywood                                       |
| • Frequency Response: 62Hz-20KHz(±3dB) | • Finish: black painting  |
| • Sensitivity: 94dB                    | • HF: 1.34" x 1(34mm, 25mm throat)102 magnet                    |
| • Coverage: H100° x V 55°              | • LF: 10" x 1(65mm), 170 magnet                                 |
| • Max. SPL: 118dB                      | • Dimension(mm): 320 x 321 x 500(W x D x H)                     |
| • Crossover Mode: 2 way passive        | • Weight: approx. 15.8 Kg                                       |

### Application

- Luxury KTV, conference room, multifunctional hall



## ELV-121(Full Range Speaker Cabinet)

### Features

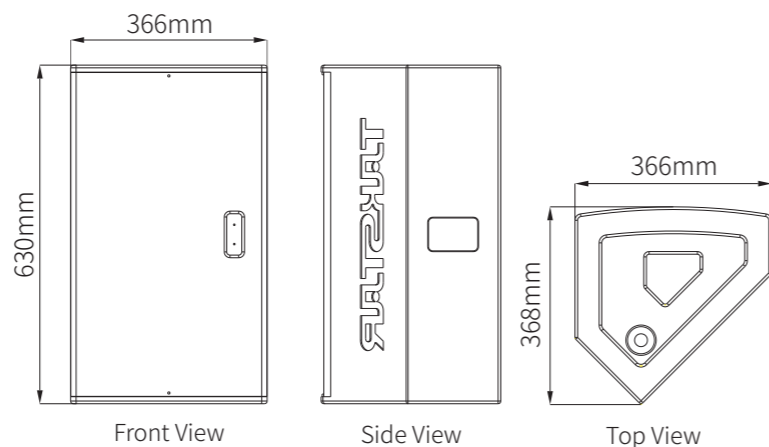
- ELV-121 professional speaker cabinet uses one 12 inch woofer with refined cone/voice coil/spider and one B&C HF driver to offer high sensitivity, rich and powerful bass, clear and charming MFHF
- The unit structure consists of one 12 inch 75mm voice coil cone woofer and one 44mm ferrite magnet HF
-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

### Specification

- |  |   |
|--|---|
| • Rated Power: 300W                    | • Crossover Frequency: 2200Hz                                   |
| • Peak Power: 1200W                    | • 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. 15.8 Kg                                       |

### Application

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



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

#### Features

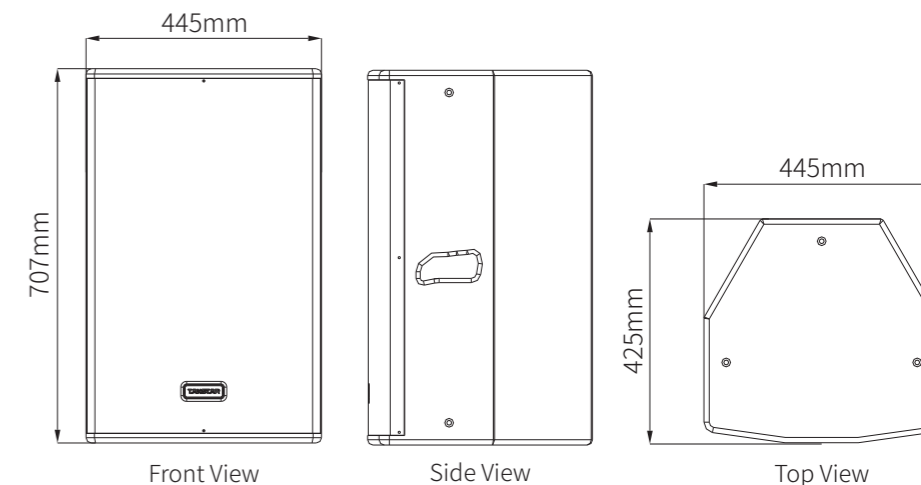
- The unit structure consists of one 12 inch 75mm voice coil cone woofer and one HF unit(ferrite magnet, 44mm voice coil)
- The woofer uses refractory voice coil for reliable performance, CONEX spider for durable performance and symmetric magnet circuit to extremely reduce the odd-order harmonic distortion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

#### Specification

- Rated Noise Power: 300W
- Continuous Music Power: 400W
- Peak Power: 1200W
- Rated Impedance: 8Ω
- DC Impedance: 6Ω
- Frequency Response: 55Hz-18KHz
- Sensitivity: 96dB
- Coverage: H100° x V60°
- Max SPL: 122dB
- Crossover Mode: 2 way passive
- Crossover Frequency: 2100Hz
- Installation: toward actors on stage
- Connection: 2 x NL4 speaker connector(IN 1+, 1-, LINK 2+, 2-)
- Enclosure: 18mm plywood
- Finish: black painting
- HF: B&C 1.75" x 1(44mm, 25mm throat) 120 magnet
- LF: 12" x 1(75mm), 190 magnet
- Dimension(mm): 630 x 344 x 333(W x D x H)

#### Application

- Stage monitoring



### ELV-151(Full Range Speaker Cabinet)

#### Features

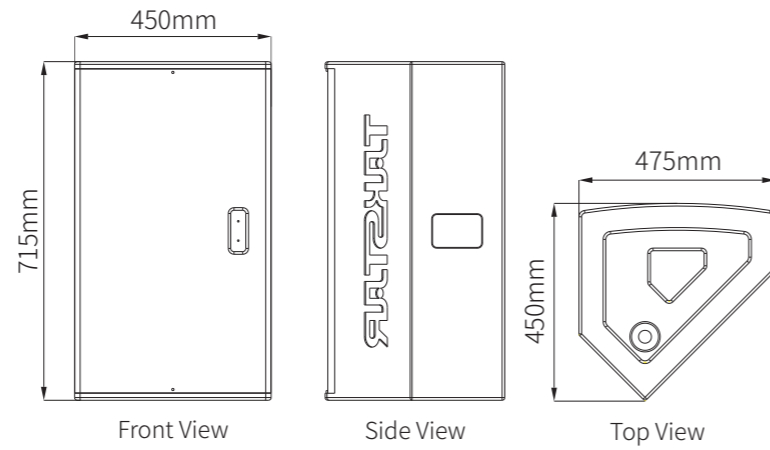
- The unit structure consists of one 15 inch woofer and one B&C HF driver
- The 15 inch woofer uses UKM cone, refractory voice coil and refined spider
- High sensitivity, powerful bass, clear and charming MFHF suits for entertainment applications
- The woofer uses rigid UKM cone to reproduce natural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

#### Specification

- Rated Power: 450W
- Peak Power: 1400W
- Rated Impedance: 8Ω
- DC Impedance: 6.4Ω
- Frequency Response: 48Hz-18KHz(±3dB)
- Sensitivity: 98dB
- Coverage: H100° x V55°
- Max SPL: 125dB
- Crossover Mode: 2 way passive
- Crossover Frequency: 2100Hz
- Suspension/Installation: horizontal or vertical
- Connection: 1 x NL4 speaker connector(IN 1+, 1-, LINK 2+, 2-)
- Enclosure: 18mm plywood
- Finish: black painting
- HF: 1.4" x 1(44mm, 25mm throat) 120 magnet
- LF: 15" x 1(75mm), 190 magnet
- Dimension(mm): 425 x 445 x 707(W x D x H)
- Weight: approx. 30.5Kg

#### Application

- Disco bar, luxury multifunctional hall, luxury conference hall



### ELV-151M(Full Range Speaker Cabinet)

#### Features

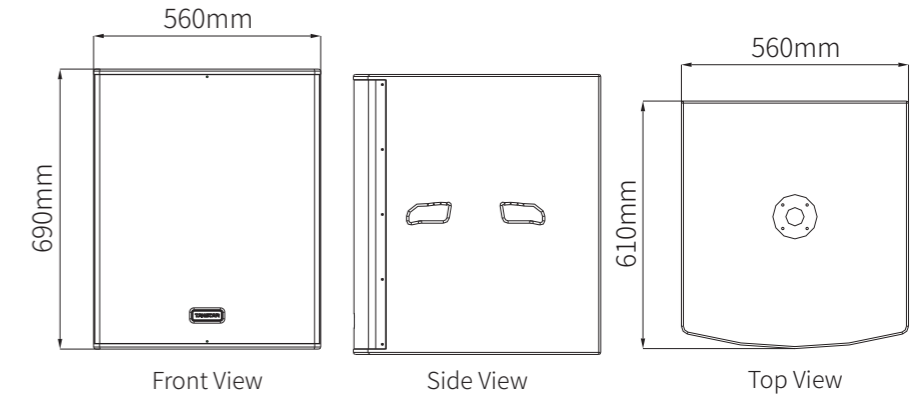
- ELV-151M consists of one 15 inch 75mm cone woofer and one 65mm Ti diaphragm HF compression driver
- The woofer uses 75mm CCA winding voice coil which is made of heat-resistant glass fiber bobbin for high efficiency and reliable performance
- Waterproof cone for outdoor performance
- Flat high frequency, delicate and soft tone
- The crossover uses extremely low consumption OFC inductor, high quality XPP capacitor and heat dissipation resistor to keep reliable performance and prominent tone
- Trapezoidal enclosure eliminates the standing wave and provides pure bass and flat frequency response. 45° foldback angle suits for stage monitoring

#### Specification

- Rated Power: 400W
- Impedance: 8Ω
- Frequency Response: 50Hz-20KHz
- Sensitivity: 98dB
- Coverage: H90° x V70°
- SPL: 124dB
- Crossover: two way passive
- Crossover Frequency: 1800Hz
- Installation: on stage (toward actors)
- Connection: 2 x NL4 speakon(IN1+, 1-, LINK2+, 2-)
- Enclosure: 18mm plywood
- Finish: black painting
- HF: 2.5" x 1(65mm, 36mm throat) 160 magnet steel
- LF: 15" x 1(75mm), 190 magnet steel
- Dimension(W x D x H): 715 x 450 x 475mm

#### Application

- Stage monitoring



### ELV-181SUB(Subwoofer)

#### Features

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

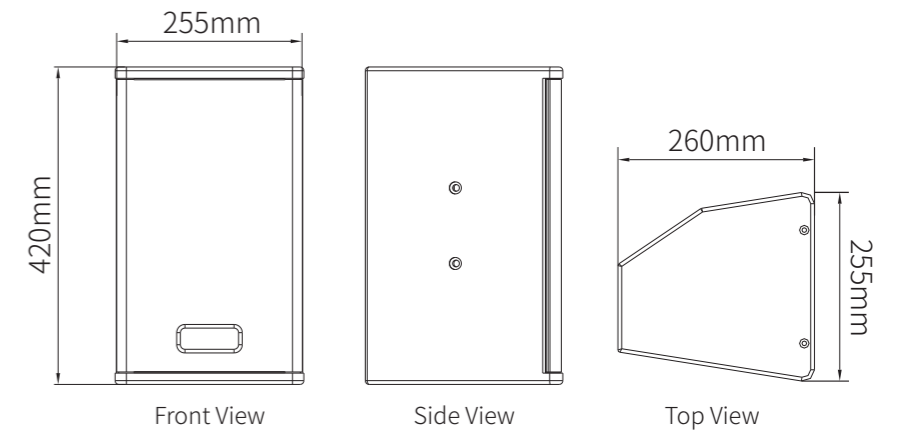
#### Specification

- Rated Power: 650W
- Peak Power: 2600W
- Rated Impedance: 8Ω
- DC Impedance: 5.6Ω
- Frequency Response: 34Hz-2.5KHz
- Sensitivity: 98dB
- Max SPL: 126dB
- Crossover Mode: external crossover
- Crossover Frequency: range 25Hz-130Hz
- Coverage: no directivity after filtering
- Socket: pole mounting
- Connection: 1 x NL4 speaker connector(IN1+, 1-, LINK2+, 2-)
- Enclosure: 18mm plywood(baffle: 25mm plywood)
- Finish: black painting
- LF: 18" x 1(100mm), 220 magnet
- Dimension(mm): 560 x 610 x 690(W x D x H)
- Weight: 40Kg

#### Application

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

# EKS Speaker Cabinet Series



## EKS-081(Full Range Speaker Cabinet)

### Features

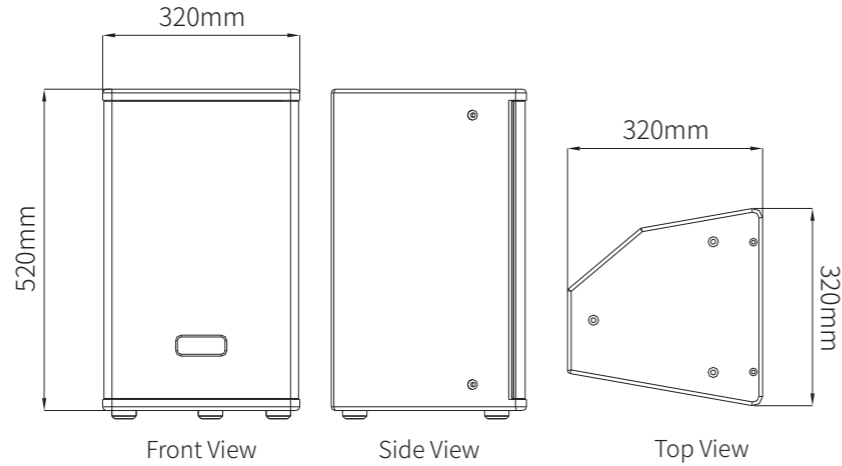
- The unit structure consists of one 8 inch 50mm cone woofer and a 36mm ferrite magnet steel HF unit
- The woofer uses refractory glass fiber bobbin and 50mm CCA winding coil for high efficiency and reliable performance, symmetric magnet circuit design reduces the second harmonic distortion
- The HF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

### Specification

- Rated Power: 150W
- Peak Power: 600W
- Rated Impedance: 8Ω
- DC Impedance: 6.2Ω
- Frequency Response: 65Hz-19KHz (±3dB)
- Sensitivity: 93dB
- Coverage: H100° x V55°
- Max SPL: 115dB
- Crossover Mode: 2 way passive
- Crossover Frequency: 2500Hz
- Suspension/Installation: horizontal suspension
- Connection: 1 x NL4 speaker connector, connect 1+, 1- for operation, 2+, 2- for speaker parallel
- Enclosure: 15mm MDF
- Finish: black painting
- HF: 1.4" x 1(36mm, 26mm throat) 90 magnet
- LF: 8" x 1(50mm), 145 magnet
- Dimension(mm): 255 x 260 x 420(W x D x H)
- Weight: approx. 16.4Kg

### Application

- Multifunctional hall, conference hall, KTV installation



### EKS-101(Full Range Speaker Cabinet)

#### Features

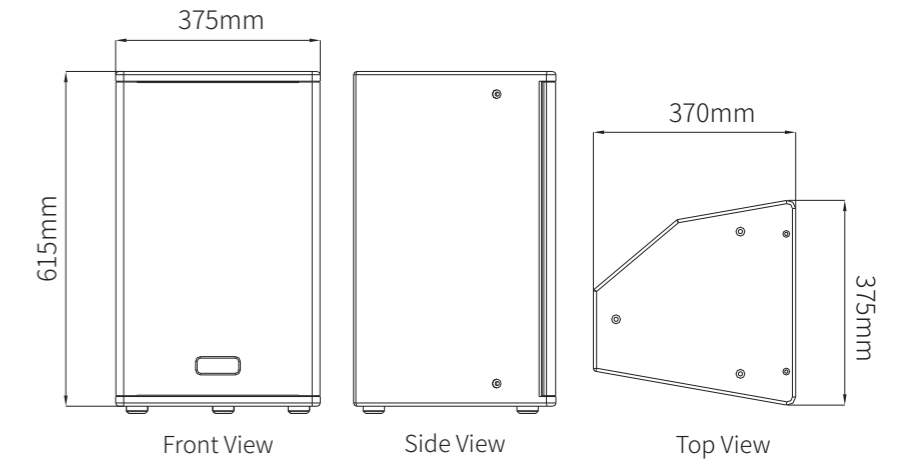
- EKS-101 two way full range speaker cabinet uses plane wave guide technology, the sound wave phase delay transmission and sound wave phase inversion overlaps for solving the phase distortion
- The speaker cabinet features high sensitivity, clear and charming tone, wide and natural vocal
- EKS-101 consists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

#### Specification

- Rated Power: 250W
- Peak Power: 1000W
- Rated Impedance: 8Ω
- DC Impedance: 6Ω
- Frequency Response: 60Hz-19KHz(±3dB)
- Sensitivity: 95dB
- Coverage: H100° x V 55°
- Max SPL: 120dB
- Crossover Mode: 2 way passive
- Crossover Frequency: 2300Hz
- Suspension/Installation: suspension or pole mounting
- Connection: 1 x NL4 speaker connector, connect 1+, 1- for operation, 2+, 2- for speaker parallel
- Enclosure: 15mm MDF
- Finish: black painting
- HF: 1.4" x 1(36mm, 26mm throat), 90 magnet
- LF: 10" x 1(50mm), 145 magnet
- Dimension(mm): 320 x 320 x 520(W x D x H)
- Weight: approx. 16.4 Kg

#### Application

- Multifunctional hall, conference hall, KTV



### EKS-121(Full Range Speaker Cabinet)

#### Features

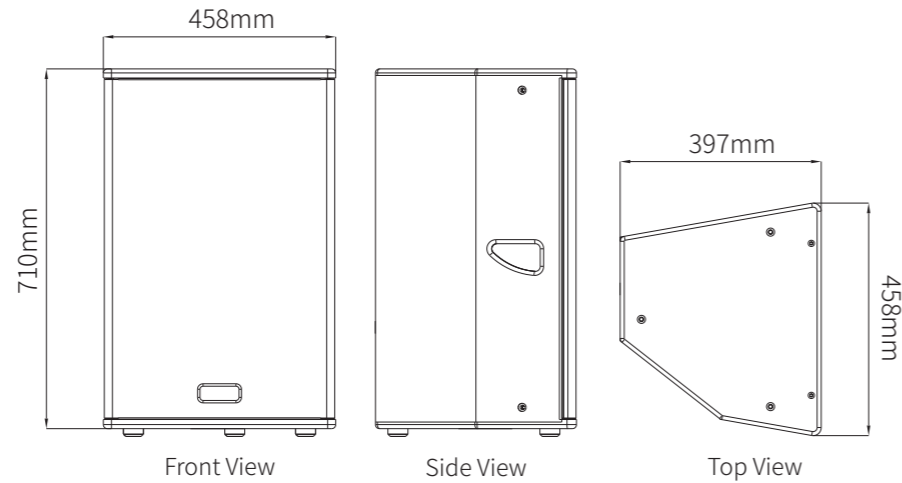
- EKS-121 full range speaker uses 120 magnet 44mm PI diaphragm and Al winding HF unit, the HF unit can stand high power operation for a long time, natural and clear tone, accurate phase and flat frequency response after matched with subwoofer
- PI HF refractory diaphragm stands 290°C for a long time 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, the 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 AI socket for convenient pole mounting
- Multiple flying points for flexible applications

#### Specification

- Rated Power: 350W
- Peak Power: 1400W
- Rated Impedance: 8Ω
- DC Impedance: 4.9Ω
- Frequency Response: 50Hz-18KHz(±3dB)
- Sensitivity: 96dB
- Coverage: H100° x V 55°
- Max SPL: 125dB
- Crossover Mode: 2 way passive
- Crossover Frequency: 2100Hz
- Suspension/Installation: suspension or pole mounting
- Connection: 1 x NL4 speaker connector, connect 1+, 1- for operation, 2+, 2- for speaker parallel
- Enclosure: 18mm MDF
- Finish: black painting
- HF: 1.75" x 1(44mm, 26mm throat), 120 magnet
- LF: 12" x 1(65mm), 170 magnet
- Dimension(mm): 375 x 370 x 615(W x D x H)
- Weight: approx. 22.7 Kg

#### Application

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



## EKS-151(Full Range Speaker Cabinet)

### Features

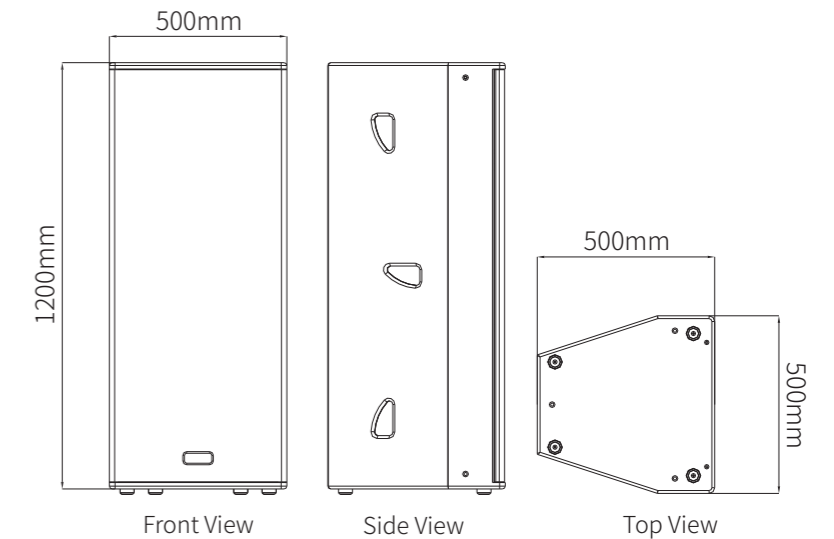
- EKS-151 full range speaker uses UKM cone for natural sound reproduction, low distortion, powerful bass, vivid and penetrating vocal
- HF unit uses PI diaphragm and 44mm 120 magnet for flat HF response and bright tone. The HF unit matches LF unit to offer wide sound range on music or vocal
- PI diaphragm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

### Specification

- |  |  |
|--|--|
| • Rated Power: 450W                    | • Suspension/Installation: suspension or pole mounting                                     |
| • Peak Power: 1800W                    | • Connection: 1 x NL4 speaker connector, connect 1+, 1- for operation, 2+, 2- for parallel |
| • Rated Impedance: 8Ω                  | • Enclosure: 18mm MDF  |
| • DC Impedance: 6Ω                     | • Finish: black painting   |
| • Frequency Response: 48Hz-18KHz(±3dB) | • HF: 1.75" x 1(44mm, 25mm throat), 120 magnet   |
| • Sensitivity: 98dB                    | • LF: 15" x 1(75mm), 190 magnet  |
| • Coverage: H100° x V 55°              | • Dimension(mm): 458 x 397 x 710(W x D x H)  |
| • Max SPL: 128dB                       | • Weight: 33.1Kg   |
| • Crossover Mode: 2 way passive        |  |
| • Crossover Frequency: 1800Hz          |  |

### Application

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



## EKS-152(Full Range Speaker Cabinet)

### Features

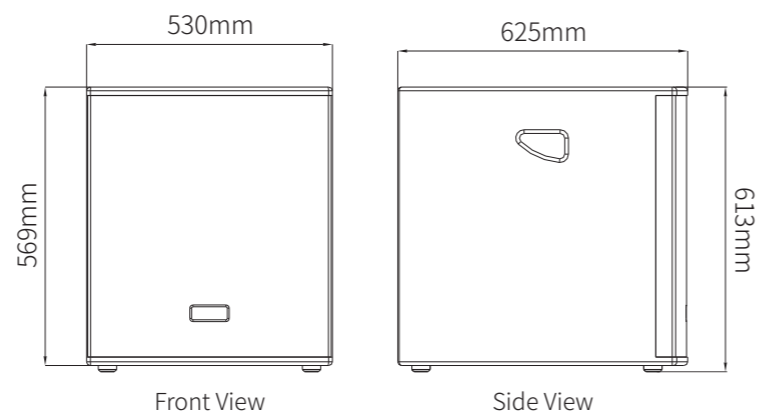
- EKS-152 uses dual HF units, one 51mm Ti diaphragm CCA winding HF unit and one 34mm Ti diaphragm tweeter to endure the high power operation
- 34mm HF unit mainly compensates HF and ultra HF to offer bright, delicate tone and to extend the vocal range
- Ti diaphragm features light weight, high strength, high anti-erosion capacity, anti-high-temperature, anti-low-temperature, anti-acid, anti-alkaline
- The speaker cabinet features clear bass and clear vocal, and uses acoustic foam and vented hole to improve bass clearness
- The trapezoid 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

### Specification

- |  |  |
|--|--|
| • Rated Power: 900W  | • Suspension/Installation: suspension/pole mounting  |
| • Peak Power: 3600W  | • Connection: 1 x NL4 speaker connector, connect 1+, 1- or 2+, 2-, parallel connection is not recommended. |
| • Rated Impedance: 4Ω  | • Enclosure: 18mm plywood  |
| • DC Impedance: 3.6Ω   | • Finish: black painting   |
| • Frequency Response: 45Hz-18KHz(±3dB)                                       | • HF1: 2" x 1(51mm, 26mm throat), 140 magnet   |
| • Sensitivity: 101dB   | • HF2: 1.35" x 1(34mm, 26mm throat), 100 magnet  |
| • Coverage: H100° x V 55°  | • LF: 15" x 2(75mm), 190 magnet  |
| • Max SPL: 130dB   | • Dimension(mm): 500 x 500 x 1200(W x D x H)   |
| • Crossover Mode: 3 way passive  | • Weight: approx. 53.9Kg   |
| • Crossover Frequency: 500Hz(LPF), 1900Hz(ML, treble 1), 2500Hz(treble 2 HP) |  |

### Application

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



### EKS-181SUB(Subwoofer)

#### Features

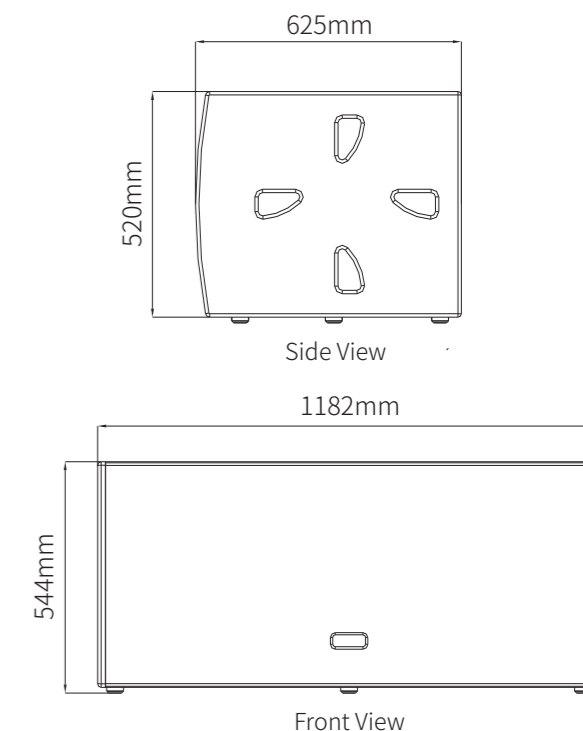
- EKS-181SUB is a high power vented tube subwoofer which uses long stroke voice coil for high efficiency
- 100mm voice coil 220mm magnet 18 inch 8Ω speaker is designed with damping processing cone and assembled reversely in the cabinet to make the bass more clear and powerful. The cabinet is designed with compression horn structure to boost sensitivity, thus to suit for powerful but elastic bass applications
- The cabinet uses 18mm plywood with black paint finish and is equipped with 4 handles for easy transportation, 4 pin speaker connector for convenient linking, 4 rubber feet for anti-vibration and AI socket for convenient pole mounting

#### Specification

- Rated Power: 600W
- Peak Power: 2400W
- Rated Impedance: 8Ω
- DC Impedance: 5Ω
- Frequency Response: 30Hz~500Hz(±3dB)
- Sensitivity: 99dB
- Coverage: no directivity
- Max SPL: 130dB
- Connection: 1 x NL4 speaker connector, connect 1+, 1- for operation, 2+, 2- for parallel
- Enclosure: 18mm plywood
- Finish: black painting
- LF: 18" x 1(100mm), 220 magnet
- Dimension(mm): 530 x 625 x 569(W x D x H)
- Weight: approx. 39Kg

#### Application

- Bass compensation in large reinforcement system or disco bar, large KTV



### EKS-182SUB(Subwoofer)

#### Features

- EKS-182SUB is a high power vented tube dual 18 inch subwoofer which uses long stroke high efficiency 100mm voice coil 220mm magnet 8Ω speakers
- The two speakers are designed with damping processing cone and assembled reversely in the cabinet to make the bass more clear and powerful
- The cabinet is designed with compression horn structure to boost the sensitivity, thus to suit for powerful but elastic bass applications
- The cabinet uses 18mm plywood with black painting finish and is equipped with 8 handles for easy transportation, one 4 pin speaker connector and 5 foot pads for anti-vibration

Note: as the speaker is assembled reversely in the cabinet, please adjust the sub-frequency output phase to 180 degree on the audio processor during operation

#### Specification

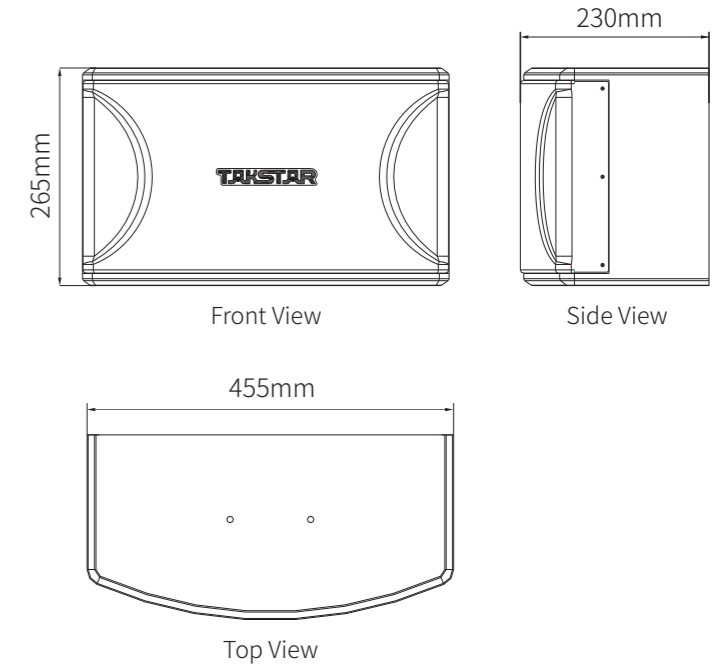
- Rated Power: 1200W
- Peak Power: 4800W
- Rated Impedance: 4Ω
- DC Impedance: 2.5Ω
- Frequency Response: 30Hz~500Hz(±3dB)
- Sensitivity: 102dB
- Coverage: no directivity
- Max SPL: 133dB
- Connection: 1 x NL4 speaker connector, connecting 1+, 1- or 2+, 2-, parallel connection is not recommended
- Enclosure: 18mm plywood
- Finish: black painting
- LF: 18" x 2(100mm), 220 magnet
- Dimension(mm): 1182 x 625 x 520(W x D x H)
- Weight: 73.3Kg

#### Application

- Bass compensation for large show reinforcement system or disco bar, large KTV



# EKT Speaker Cabinet Series



Optional Color:

## EKT-081 (KTV Speaker Cabinet)

### Features

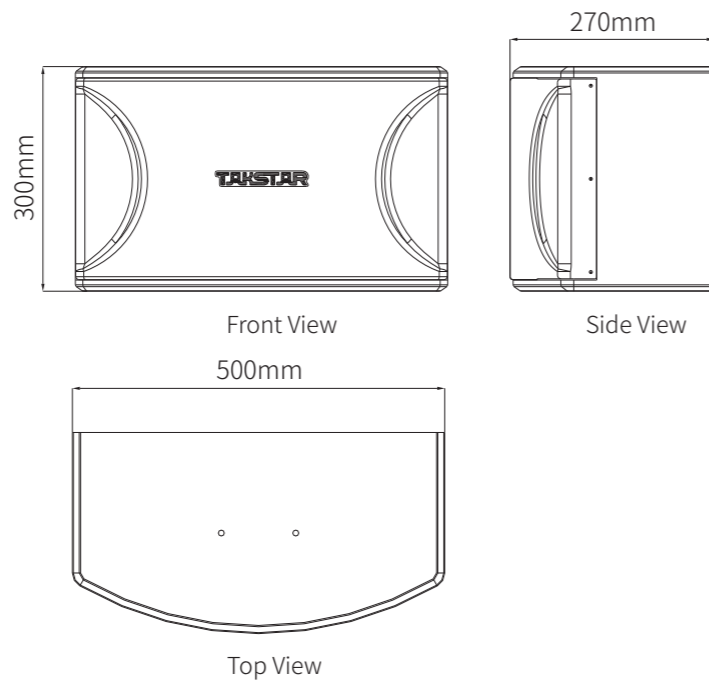
- EKT-081 is the high quality Karaoke speaker cabinet specially designed for KTV and home Karaoke which features prominent vocal and music performance
- The vented tube and acoustic foam match with the cabinet volume perfectly, which boosts the bass performance
- The woofer uses excellent damping factor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

### Specification

- Rated Power: 120W
- Peak Power: 480W
- Rated Impedance: 8Ω
- DC Impedance: 5.6Ω
- Frequency Response: 40Hz-18KHz(±3dB)
- Sensitivity: 92dB
- Coverage: H100° x V55°
- SPL: 111dB
- Crossover Mode: 2 way passive
- Crossover Frequency: 1900Hz
- Suspension/Installation: horizontal suspension
- Connection: pressing post
- Enclosure: 15mm plywood
- Finish: black painting
- HF: 3" x 2(13mm)55+50 dual magnets
- LF: 8" x 1(35mm)100+100 dual magnets
- Dimension(mm): 455 x 265 x 230(W x D x H)
- Weight: approx. 8.8Kg

### Application

- KTV, home Karaoke



Optional Color:

### EKT-101(KTV Speaker Cabinet)

#### Features

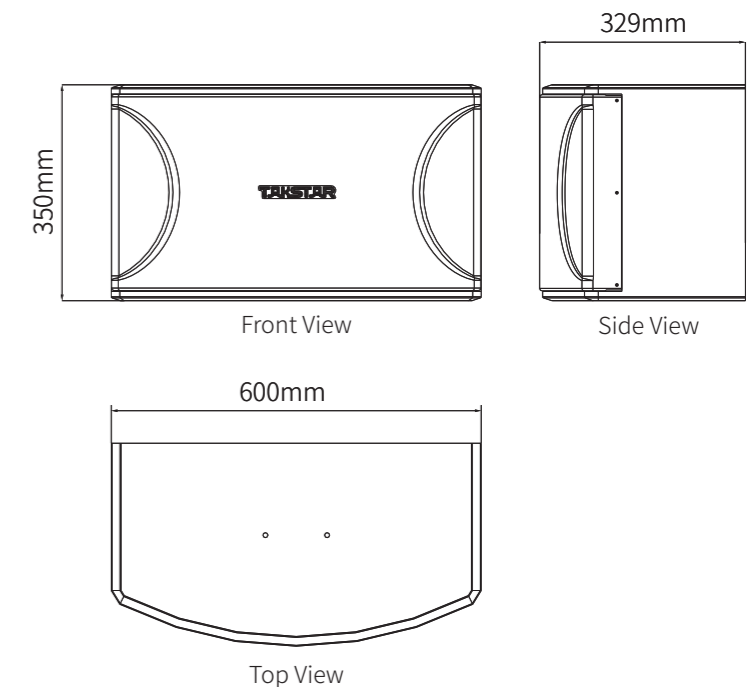
- EKT-101 is the high quality 10 inch Karaoke speaker cabinet specially designed for KTV and home Karaoke audio system
- EKT-101 features prominent vocal, clean and rich bass, flat and delicate treble, together use with Takstar tailored microphone and Karaoke power amplifier to offer high quality music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

#### Specification

- |  |  |
|--|--|
| • Rated Power: 160W                    | • Crossover Frequency: 1600Hz                    |
| • Peak Power: 640W                     | • Suspension/Installation: horizontal suspension |
| • Rated Impedance: 8Ω                  | • Connection: binding post                       |
| • DC Impedance: 6Ω                     | • Enclosure: 15mm plywood                        |
| • Frequency Response: 35Hz-18KHz(±3dB) | • Finish: black painting                         |
| • Sensitivity: 93dB                    | • HF: 3" x 2(13mm), 55+50 dual magnets           |
| • Coverage: H100° x V55°               | • LF: 10" x 1(50mm), 120+110+55 three magnets    |
| • Max SPL: 115dB                       | • Dimension(mm): 500 x 270 x 300(W x D x H)      |
| • Crossover Mode: 2 way passive        | • Weight: approx. 10.3 Kg                        |

#### Application

- KTV, home karaoke



### EKT-121(KTV Speaker Cabinet)

#### Features

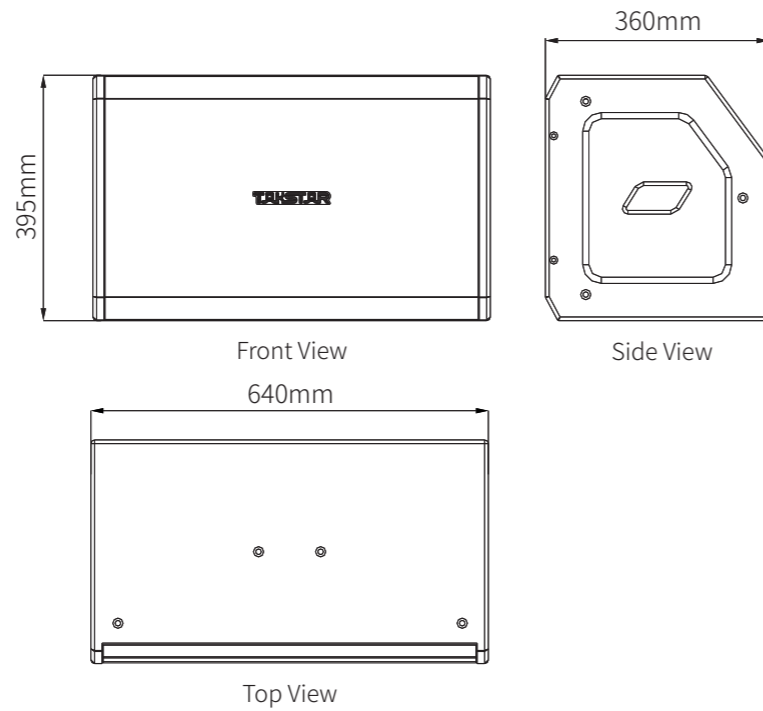
- EKT-121 high quality 3 way Karaoke speaker cabinet uses dual HF, dual MF and one 12 inch LF configuration. Prominent vocal, pure and rich bass, flat and delicate treble
- The crossover uses low consumption resistor, high quality polypropylene capacitor and OFC inductor to reduce the audio quality loss
- Woofer uses excellent damping factor, rigid and low distortion cone
- Adopts anti-fatigue and elastic foam surround
- The magnet circuit adopts dual magnets and low carbon steel T yoke/washer to strengthen the magnetic field induction-intensity and reduces the voice coil non-linear distortion under large dynamic

#### Specification

- |  |  |
|--|--|
| • Rated Power: 300W                    | • Suspension/Installation: horizontal suspension |
| • Peak Power: 1200W                    | • Connection: binding post                       |
| • Rated Impedance: 8Ω                  | • Enclosure: 15mm MDF                            |
| • DC Impedance: 6.8Ω                   | • Finish: black painting                         |
| • Frequency Response: 33Hz-18KHz(±3dB) | • HF: 3" x 2(13mm), 55+50 dual magnets           |
| • Sensitivity: 96dB                    | • MF: 4" x 2(25mm), 70+60 dual magnets           |
| • Coverage: H100° x V55°               | • LF: 12" x 1(65mm), 140+100 dual magnets        |
| • SPL: 122dB                           | • Dimension(mm): 600 x 329 x 350(W x D x H)      |
| • Crossover Mode: 3 way passive        | • Weight: approx. 18.7Kg                         |
| • Crossover Frequency: 800Hz, 3000Hz   |  |

#### Application

- KTV, home karaoke



Optional Color:  

### EKT-102(KTV Speaker Cabinet)

#### Features

- EKT-102 uses two 10 inch woofers. The 38mm Al voice coil features excellent heat dissipation, light weight, better sensitivity and reliable performance
- Rigid and light weight cone for high SPL and low distortion performance
- Scientific design of foam surround and durable spider for reliable performance under wide dynamic without non-linear distortion
- The magnet loop system uses aerospace magnet steel, 10# T yoke and washer to boost the magnetic conductivity and magnetic flux
- The HF driver uses high polymer diaphragm to offer soft treble and flat frequency response. The compression structure and PF horn boost the efficiency, sensitivity and the sound penetration
- The high quality crossover components well connect the crossover frequencies of woofer and tweeter to offer consistent phase and prominent tone

#### Specification

- Rated Power: 280W
- Peak Power: 1120W
- Rated Impedance: 4Ω
- DC Impedance: 3.4Ω
- Frequency Response: 36Hz-19KHz(±3dB)
- Sensitivity: 97dB
- Coverage: H90° x V55°
- SPL: 124dB
- Crossover: two way passive
- Crossover Frequency: 2000Hz
- Suspension/Installation: horizontal suspension/pole mounting
- Connection: 1 x NL4 speakon
- Enclosure: 18mm plywood
- Finish: black painting
- HF: 1.75" x 1(44mm), 120mm magnet
- LF: 10" x 2(38mm), 134mm magnet
- Dimension(mm): 640 x 360 x 395(W x D x H)
- Weight: approx. 22.8Kg

#### Application

- KTV, home Karaoke



Power Amplifier Series



## EKAX Power Amplifier Series

### Features

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

### Specification

Model		EKAX-1A	EKAX-2A	EKAX-3A
Output Power(W)	8Ω	150+150	200+200	300+300
	4Ω	225+225	300+300	450+450
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 Power Amplifier Series

### Features

- EKA series power amplifier consists of EKA-3A,EKA-6A,EKA-8A,EKA-12A,EKA-13A,EKA-403 and EKA-406
- EKA-3A,EKA-6A,EKA-8A,EKA-403 and EKA-406 are 2U, EKA-12A and EKA-13A are 3U
- EKA-3A,EKA-6A,EKA-8A,EKA-12A and EKA-13A are 2 channels, EKA-403 and EKA-406 are 4 channels
- EKA-3A,EKA-6A,EKA-8A features excellent LF effect extension, wide HF extension and balanced LF/MF/HF. Low distortion and wide frequency response music performance
- EKA-12A features rich and powerful bass, bright MFHF. Suitable for dual 15 inch speaker cabinets and single 18 inch subwoofer
- EKA-13A features rich and powerful low frequency, suitable for dual 18 inch subwoofers
- EKA-403 is a combination of two EKA-3A for improving the practicability and reducing the amplifier usage quantity, suitable for 8 inch and 10 inch speaker cabinets
- EKA-406 is a combination of one EKA-3A and one EKA-6A for improving the practicability and reducing the amplifier usage quantity, A and B channels are suitable for two 12 inch, or four 10 inch/8 inch speaker cabinets, C and D channels are suitable for two/four 8 inch, or two 10 inch speaker cabinets

### Specification

Channel	2 Channel					4 channel		
Model	EKA-3A	EKA-6A	EKA-8A	EKA-12A	EKA-13A	EKA-403	EKA-406	
Max. Undistorted Power(8Ω)	300W x 2	600W x 2	800W x 2	1200W x 2	1300W x 2	300W x 4	300W x 2	600W x 2
Max. Undistorted Power(4Ω)	450W x 2	900W x 2	1200W x 2	1800W x 2	1950W x 2	450W x 4	450W x 2	900W x 2
Max. Undistorted Power(2Ω)	600W x 2	1200W x 2	1600W x 2	2400W x 2	2600W x 2	600W x 4	600W x 2	1200W x 2
Max. Undistorted Power(Bridge 8Ω)	900W	1800W	2400W	3600W	3900W	900W x 2	900W	1200W
Max. Undistorted Power(Bridge 4Ω)	1200W	2400W	3200W	4800W	5200W	1200W	1200W	1800W
Damping Factor	600: 1							
S/N Ratio	110dB					>102dB@volume min		
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, balanced/unbalanced							
Input Gain	≤-75dB							
Channel Separation	≤-70dB							
Panel Indicators	signal, power, clip, protection							
Power Supply	220V/50Hz							
Weight(Kg)	14	18	21	30	33	21	25.7	
Dimension(mm)	483mm x 512mm x 88mm			483mm x 490mm x 133.5mm		483mm x 512 x 88mm		

### Application

- Conference room, KTV, outdoor performance



## ELV Power Amplifier Series

### Features

- This series of power amplifier is specially designed according to Hi-Fi standard for ELV series speaker cabinet, the high power transistors are divided into left and right groups for improving the heat dissipation
- Adopts metal housing transistor(excellent stability, heat dissipation and sound quality) and high quality components, wide sound field, clear LF/MF/HF, detailed and bright sound effect
- ELV-3A power amplifier(350W x 2CH) matches with ELV-101 speaker cabinet; ELV-5A power amplifier(500W x 2CH) matches with ELV-121 speaker cabinet; ELV-7A power amplifier(700W x 2CH) matches with ELV-151 speaker cabinet; ELV-12A power amplifier(1200W x 2CH) matches with ELV-181SUB speaker cabinet
- It automatically shuts down the pre-noise when there is no signal and optimizes the sound effect according to the actual requirement based on the speaker cabinet features
- Adjustable 70Hz gain knob is designed on the rear panel for boosting the bass
- The front metal grille is fixed by magnets for easy dust cleaning
- Designed with Class AB circuit, each channel circuit is internally bridged (equals to dual built-in Class AB circuits) to amplify the output power, so the output can not be bridged

### Specification

Model	ELV-3A	ELV-5A	ELV-7A	ELV-12A
Rated Power (8Ω)/(4Ω)	350W/500W	500W/750W	650W/900W	1200W/1800W
Damping Factor	400: 1			600: 1
S/N Ratio	>100dB			
THD	≤0.1% @1KHz			
Frequency Response	20Hz-20KHz +/-0.3dB			
IMD	≤0.2% 8Ω 1KHz@1W			
Input Sensitivity	0.775V			
Input Impedance	15K/30K, balanced, unbalanced			
Power Supply	220V/50Hz			
Weight(Kg)	23Kg			
Dimension(mm)	483 x 132 x 407mm			

### Application

- KTV, bar

Microphone Series



## ECM-120

### Features

- Excellent rejection of sound feedback which minimize the howling
- Red working status ring
- Screw joint between gooseneck and base ensures low handling noise
- Rugged metal housing
- On/off switch at base with LED indicator
- Powered by AA batteries or phantom power supply-automatic switching

### Specification

- Transducer Principle: back electret condenser
- Polar Pattern: cardioid
- Frequency Response: 100Hz-16KHz
- Sensitivity:  $-37\text{dB} \pm 3\text{dB}$  (0dB=1V/Pa at 1KHz)
- Output Impedance:  $100\Omega \pm 30\%$  (at 1KHz)
- Power Requirement: 9-52V phantom power or 3V (2pcs 1.5V AA batteries)

### Application

- Conference, PA



## ECM-220

### Features

- Ø22mm gold-plated diaphragm capsule
- Low distortion and self noise
- High sensitivity, wide dynamic range and distinct sound quality
- Stable performance
- 90° rotatable design between capsule & pipe, pipe & base features angle adjustment flexibility for best pick up effect
- RFI shield technology features excellent anti-interference capability such as mobile phone signal
- CapSense touching on/off switch design eliminates the mechanical noise of traditional switch

### Specification

- Transducer Principle: pressure and Psid combination principle
- Element: gold-plated diaphragm capsule
- Polar Pattern: cardioid
- Frequency Response: 30Hz-20KHz
- Sensitivity:  $-39\text{dB} \pm 3\text{dB}$  (0dB=1V/Pa at 1KHz)
- Self Noise:  $\leq 18\text{dBA}$
- Output Impedance:  $100\Omega \pm 30\%$
- Power Requirement: 48V phantom power

### Application

- Public address, conference system, church, broadcasting



**DG-C100T2** (Delegate Unit)    **DG-C100T1** (Chairman Unit)    **DG-C100R** (Host Unit)

## DG-C100

### Features

- 2.4G digital wireless military communication and ADFHSS technology feature high confidentiality, strong anti-interference and long operating range up to 25-40m
- The system consists of host unit, chairman unit and delegate units up to 254 pcs
- 4 transmitters are allowed to speak simultaneously without interference
- Optional free or application speech mode of delegate units controlled by the chairman unit
- Intelligent power management system features battery power saving (All units turn off automatically when chairman unit is turned off)
- Built-in high performance frequency shifter reduces howling and enhances the sound pick up effect
- LCD display indicates working status and battery power
- Host unit features balanced and unbalanced output for convenient connection with audio equipments

### Specification

- Carrier Frequency: 2.4G(2400-2830MHz) digital FHSS technology
- Operating Range: 25-40m(indoors)
- Chairman & Delegate Units Power Supply: 2pcs AA batteries
- Battery Play Time: ≥8hrs
- Host Unit Power Supply: DC-12V/1A
- Frequency Response: 70Hz-15KHz

### Application

- Enterprise & Government Conference

## DG-C200

### Features

- 2.4G wireless digital technology features self-adaptive frequency hopping for confidential communication and strong anti-interference ability
- Provided with a high gain directional antenna to extend the operating range and improve the stability of the system
- Supports 4 transmitters to speak simultaneously without mutual interference
- Optional free or request speech mode of delegate units controlled by the chairman unit
- Intelligent power management system for reducing the battery consumption, all units turn off automatically after the host unit is turned off
- Built-in high performance frequency shifter effectively reduce the howling and enhance the sound pickup effect
- All units adopt LCD to display the working status and battery level
- Host unit features balanced and unbalanced audio output for convenient connection with audio equipments



**DG-C200R** (Host Unit)

### Specification

- Carrier Frequency: 2.4G (2400-2480MHz) digital frequency hopping communication technology
- Operating Range: 40-60m when using the external directional antenna
- Chairman/Delegate Units Power Supply: 2pcs AA batteries
- Battery Playtime: ≥8hrs
- Host Unit Power Supply: DC-12V/1A
- Frequency Response: 70Hz-15KHz

### Application

- Senior Conference Application



**DG-C200T1** (Chairman Unit)

**DG-C200T2** (Delegate Unit)

**DG-C200T3** (Delegate Unit)

**DG-C200T4** (Delegate Unit)

**TS-AD3**(Antenna Amplifier)



## X4

### 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 requirements
- Intuitive LC-display on both receiver and transmitters

### Specification

- |   |   |
|---|---|
| • Frequency Range: 830~870MHz                       | • Total Harmonic Distortion: $\leq 1.0\%$                     |
| • Modulation Mode: FM                               | • Receiving Mode: double conversion superheterodyne           |
| • Adjustable Range: 40MHz                           | • Intermediate Frequency: First: 184.2MHz,<br>Second: 10.7MHz |
| • Number of Frequencies: 800                        | • Wireless Interface: TNC/50 $\Omega$                         |
| • Frequency Spacing: 50KHz                          | • Sensitivity: 12 dB $\mu$ V (80dB S/N)                       |
| • Frequency Steadiness: $\pm 0.005\%$               | • Output Power: 0dBV  |
| • Dynamic Range: 100dB                              | • Spurious Suppression: 0dBV                                  |
| • Max Frequency Deviation: $\pm 48$ KHz             | • Power Supply: 2pcs AA batteries                             |
| • Audio Frequency Response: 80Hz~15KHz( $\pm 3$ dB) | • Playtime: approx. 10 hours                                  |
| • S/N Ratio: >105dB A+                              |   |

### Application

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



## X7

### Features

- UHF wide frequency band design offers 200 frequencies
- Excellent interference-free reception
- Double conversion superheterodyne receiving technology features strong signal receiving ability and long operating range
- D-PLL RF stable technique for accurate frequency and stable performance
- Professional audio companding technique for reducing the noise and increasing the dynamic range
- Advanced pilot signal lock function can better avoid interference and eliminate the on/off mechanical noise
- Separate (XLR) or mixed (6.3mm) output for easy connection with various audio equipment

### Specification

- Frequency Range: 740MHz-790MHz
- Modulation Mode: FM
- Adjustable Range: 50MHz
- Number of Frequencies: 200
- Frequency Spacing: 250KHz
- Frequency Steadiness:  $\pm 0.005\%$
- Dynamic Range: 100dB
- Max. Frequency Deviation: 80Hz-18KHz ( $\pm 3$ dB)
- S/N Ratio: > 105dB
- Total Harmonic Distortion:  $\leq 0.5\%$
- Operating Temperature: -10  $^{\circ}$ C ~ 40  $^{\circ}$ C
- Operating Range: 500m in open area

### Application

- Campus meeting, speech, ceremony, outdoor activities, long distance applications





Black Handheld Microphone



Silver Handheld Microphone

## X8

### Features

- PLL stable frequency control system provides 200 well-selected channel
- Interactive wireless intelligent installation patent technology features one-click full-automatic interference detection & parameter setting, multiple sets of system can be conveniently installed
- Receiver features both auto-installation and manually frequency setting mode
- Button lock function on receiver prevents mis-operation
- Transmitter is powered by rechargeable Li-ion battery for long play time and environmental protection
- Top level audio companding technology features natural sound reproduction
- Balanced(XLR) and unbalanced (6.35mm) output for convenient connection with various audio equipment

### Specification

#### System Specification

- Frequency Range: 740~790MHz
- Modulation Mode: FM
- Adjustable Range: 50MHz
- Number of Channels: 200
- Frequency Spacing: 250KHz
- Frequency Steadiness:  $< \pm 0.005\%$
- Dynamic Range: 100dB
- Max. Frequency Deviation:  $\pm 45\text{KHz}$
- Audio Response: 80Hz~18KHz ( $\pm 3\text{dB}$ )
- S/N Ratio:  $> 105\text{dB}$
- THD:  $\leq 0.5\%$
- Operating Temperature:  $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Operating Range: 50m in open area

#### Receiver Specification

- Receiver Mode: double conversion superheterodyne
- Intermediate Frequency: First: 110MHz, Second: 10.7MHz

- Wireless Interface: TNC/50 $\Omega$
- Sensitivity: 12dBuV (80 dB S/N)
- Spurious Suppression:  $\geq 75\text{dB}$
- Max. Output Level: +10dBV

#### Transmitter Specification

- Output Power:  $< 10\text{mW}$
- Spurious Suppression: -60dB
- Power Supply: 1pc 3.7V Li-ion battery
- Playtime: approx. 12hrs
- Recharging Period: approx. 5hrs

### Application

- Auto-installation of multiple sets for luxury club, high end karaoke, bar, etc



Black Handheld Microphone



Silver Handheld Microphone

Note: TS-9310C(Condenser)  
TS-9310D(Dynamic)

## TS-9310C / D

### Features

- TUNER balanced diversity reception technique effectively improve the dead corner and background noise problem
- The receiver antenna port can supply power to the external antenna amplifier and other distance extension equipments
- UHF wide band design, 1000 selectable channels
- Receiver features automatic interference signal recognition ability and can automatically avoid the interference channels
- Up to 10 steps of adjustable receiving operating range enables the system to exclude other interference signal
- Transmitter battery power level can be indicated on the receiver LCD
- Double conversion receiving technique features super strong signal receiving ability, long operating range is up to 150 meters
- D-PLL RF stability technique features accurate frequency and stable working performance
- Microphone adopts professional audio companding technique for low noise and wide dynamic range
- Advanced pilot signal lock function can better avoid interference and eliminate the on/off mechanical noise
- Independent XLR output and mixed 6.3mm output for convenient connection with the audio processing and amplifier equipment

### Specification

- Squelch Control: noise lock and pilot signal testing
- Frequency Deviation:  $\pm 48\text{KHz}$
- Frequency Response: 60Hz-18KHz
- Frequency Steadiness:  $\pm 0.005\%$
- S/N Ratio:  $> 95\text{dB A+}$
- Total Harmonic Distortion:  $< 0.5\%$ (at 1KHz)
- Number of Frequencies: 1000
- Sensitivity: -90dBm~-65dBm, 10 adjustable level
- Operating Range: 150m in open area
- Receiver Power Supply: external DC 12V/1000mA power adaptor
- Transmitter Power Supply: 2pcs of AA batteries
- Transmit Power:  $< 10\text{mW}$
- Frequency Range: 740MHz-765MHz
- Output Type: balanced(XLR) and unbalanced(6.3mm), headphone monitor output(6.3mm)

### Application

- Live performance, program recorded broadcast, large conference

# Peripheral Equipment Series



## EKV-4A(Pre-effector)

### Features

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

### Specification

#### Music Channel

- Music Frequency Response: 20Hz~22KHz( $\pm 0.5$ )
- Input Music Signal Sensitivity: 210mV
- Music Signal Max. Output Level: 7V(THD $\leq 0.5\%$ )
- Music Signal Input Overload Voltage: 2.2V(THD $\leq 1\%$ )
- Output Noise Level: 0.19mV(peak main volume, A weighted)

#### Microphone Channel

- Microphone Frequency Response: 20Hz~20KHz( $\pm 0.5$ )
- Microphone1-3 Input Sensitivity: 15mV

- Microphone4-5 Input Sensitivity: 15mV
- Microphone Signal Max. Output Level: 7V(THD $\leq 0.5\%$ )
- Microphone Signal Input Overload Voltage: 220mV(THD $\leq 1\%$ )
- Output Noise Level: 0.36mV(channel volume/peak volume, A weighted)

#### Others

- Power Supply: AC~220V 50Hz
- Max. Power Consumption: 10W
- Unit Dimension(mm): 480 x 155 x 66(W x D x H)
- Weight: 2.5Kg

### Application

- KTV project installation



### EKX-3A(Processor)

#### Features

- Both input and output are with delay, adopts Bessel filters and Shelf filters. The output is designed with delay, HPF/LPF and RMS limiter
- Parametric EQ: each input channel has 5 filters which can be designed as Bessel filters or Shelf filters, each output channel has 7 filters which can be designed as Bessel filters or Shelf filters
- Filter type: symmetric Bessel or high/low Shelf pass filter can be extended to second order filter
- Filter gain: Bessel and Shelf filter gain adjusting range: -15dBu~+15dBu, stepping accuracy: 0.5dBu
- Central frequency: 1/24octave stepping accuracy within 20Hz~20KHz frequency range
- Filter Q factor/band width: range: 0.05~3, stepping accuracy: 0.05(dB/oct)
- High pass filter: frequency: 20Hz~20KHz  
Slope: -6dB/Oct to -24dB/Oct for option(type: Butterworth/Linkwitz-Riley/Bessel for option)
- Low pass filter: frequency: 20Hz~20KHz  
Slope: -6dB/Oct to -24dB/Oct for option(type: Butterworth/Linkwitz-Riley/Bessel for option)
- Limit: RMS limiter
- Attack threshold: range: 20dBu~-10dBu
- Attack time range: 5mS~200mS, stepping accuracy 1mS within range 5mS~20mS, stepping accuracy 10mS within range 20mS~100mS, stepping accuracy 20mS within range 100mS~200mS
- Release time range: 0.1S~3S, stepping accuracy: 0.1S
- Peak delay: 848.998mS, stepping accuracy: 21uS

#### Specification

- |  |  |
|--|--|
| • Input/Output: XLR balanced   | • Frequency Response: 20Hz—20KHz: -0.5dBu@20Hz and 20KHz   |
| • Load: ≥1500hm  | • Spdif Input Gain(digital): input sensitivity 0dBu, RCA connector                               |
| • Level Display: input 7 LED display [-20dBu to +15dBu; clip];<br>output 7 LED display [-15dBu to +15dBu; clip; limit],<br>the output LED can be used to display the output level or limit | • A/D D/A Conversion: 1 x AK5392, 24bit A/D; 3 x AK4396, 24bit D/A                               |
| • THD+N Dynamic Range: 0.001%@1KHz 0dBu  | • Display: 2 x 20 character LCD display  |
| • S/N Ratio: > 110dB   | • Dimension: 1U height, (482 x 44 x 6.9mm)   |
|  | • Processing: dream SAM3716 DSP, 24 x 32bit filter processing,<br>96bit accuracy data processing |

#### Application

- Theater, stage show, dancing hall, bar



### TS-808(Intelligent Mixer)

#### Features

- 8-channel intelligent mixer with high S/N ratio and clear, natural sound quality
- Advanced microprocessor controlled circuitry
- Capable of linking systems containing several mixers
- Optional control for principal mode, FIFO mode, free mode
- Additional line input for background music
- Balanced microphone output for connecting with mixer, amplifier, etc
- Additional line output for recording system
- Powered by 48V phantom power supply, separate power switches for channel 1-4 and channel 5-8
- High output level for synchronous tracking of the camera and indicator
- Can be used as common mixer while switching to the manual mode
- Headphone monitoring function available
- Optional 10dB attenuation on each channel for different applications

#### Specification

- |                                   |                                    |
|-----------------------------------|------------------------------------|
| • Max. Gain: >73dB                | • Control Voltage Output: +48V DC  |
| • Frequency Response: 30Hz-20KHz  | • Power Requirement: 15V/800mA     |
| • Equivalent Input Noise: -124dBV | • Input Impedance: 4000Ω(Balanced) |
| • Mic Input Attenuation: 10dB     | • Output Impedance: 300Ω(Balanced) |
| • Power Supply: +48V DC           |                                    |

#### Application

- Conference system



## TS-808V (Intelligent Mixer)

### Features

- 8-channel intelligent mixer is customized for conference application, which guarantee high quality and well-organized conference environment
- 3 optional speech mode (Chairman priority, sequential and free speech mode)
- Advanced audio processing circuit features low noise, wide frequency response and large dynamic range
- LINK IN / LINK OUT serial port design enable multiple units in series connection for using more microphones
- Camera cloud control port (supports VISCA/PELCO\_D/P protocol) for conference camera autotracking
- Two independent control phantom power (1-4, 5-8) for convenient connection with power required and non-power required microphone
- Headphone monitoring output and independent volume control switch
- AUX input function for background music and other audio signals play

### Specification

- Max. Input Level: -24dBV(Mic), -6dBV(Line), -6dBV(Aux)
- Max. Gain: >73dB
- Equivalent Input Noise: -95dBV(A+)
- Phantom Power Supply: +48V DC
- Power Supply: 18V/2A
- Frequency Response: 30Hz - 20KHz
- Camera Protocol: VISCA/PELCO\_D/P
- Camera Interface: RS-422/485(simplex)
- Camera Baud Rate: 9600bps

### Application

- Conference, recorded broadcast, monitoring



## TS-816V (Intelligent Mixer)

### Features

- Balanced/unbalanced 16 channel compound input, supports microphone or line input, with independent gain input control knob
- Camera PTZ control port (support VISCA/PELCO\_D/P protocol) for conference camera automatic tracking
- Four camera inputs, automatic video output signal switch and multi-position video without dead-corner suits for video conferencing with multiple participants
- 3 units can be combined and used together, user can increase the quantity of host unit according to the actual application
- With speak restriction mode, FIFO, the simultaneous speaking number can be set to effectively reduce the howling and enhance the conference quality
- Intelligent voice control function, when the voice is detected and exceeds the set threshold, the microphone will turn on automatically
- Chairman channel is always defaulted as channel 1, which is not restricted by the speech mode
- Provided with switchable 48V phantom power supply
- With line input, record output and headphone monitor interfaces

### Specification

- Max. Input Level:  $\geq$  -7dBV(UN\_BAL), -13dBV(BAL), +10dBV(Aux)
- Max. Gain:  $\geq$  25dB
- XLR Max. Output:  $\geq$  +8dBV
- S/N Ratio: 93dB(A+)
- Phantom Power Supply: +48V DC
- Power Supply: 18V/2A
- Frequency Response: 30Hz - 70KHz
- Camera Protocol: VISCA/PELCO\_D/P
- Camera Interface: RS-422/485(simplex)
- Camera Baud Rate: 9600bps

### Application

- Conference, recorded broadcast, monitoring



## TS-108(Hub)

### Features

- Supports 10 balanced or unbalanced microphone signal input
- Independent microphone output volume control
- Stereo line input for connecting the background sound source device
- 48V phantom power supply meets the power supply demand of condenser microphone
- With microphone ECHO effect adjustment function
- Built-in digital frequency shift circuit features strong anti-howling ability
- 2 microphone EQ adjustment for better sound effect of different microphone

### Specification

- |                                     |                                 |
|-------------------------------------|---------------------------------|
| • Channel Input Impedance: 8KΩ      | • Self Noise: -80dBV            |
| • Output Impedance: 600Ω            | • Phantom Power: 48V            |
| • Max. Gain: 30dB                   | • Power Supply Voltage: AC15V   |
| • Max. Input Level: mic50mV(THD≤1%) | • Power Consumption: <7.5W      |
| • Frequency Response: 50Hz-20KHz    | • Dimension: 485 x 206.5 x 61mm |

### Application

- Meeting



## FE-224(Feedback Suppressor)

### Features

- |  |  |
|--|--|
| • 24 programmable filters per channel  | • 2 x Input channel metering                                     |
| • Dual independent channel processing  | • 24 LED filter metering per channel                             |
| • Live and fixed filter modes  | • 2 x XLR and 2 x TRS electronically balanced inputs and outputs |
| • Automatic live filter release  | • Selectable operating level switches (+4dBu / -10dBv)           |
| • Selectable application of VOLTA proprietary filter variations (Music/Speech) | • Rear panel lockout switch                                      |

### Specification

#### Analog Inputs

- 2 x female XLR and 2 x 1/4" TRS: electronically balanced/unbalanced, RF filter suppressor
- Input Impedance: 30KOhm balanced/15KOhm unbalanced
- Max. Input Line Level: +20.5dBu

#### Analog Outputs

- 2 x male XLR and 2 x 1/4" TRS: electronically balanced/unbalanced, RF filter suppressor
- Output Impedance: 1000hm balanced/500hm unbalanced
- Max Output Level: +14.5dBu

#### A/D Performance

- Dynamic Range: 114dB, A-weighted
- A/D Conversion: 24bit

#### D/A Performance

- Dynamic Range: 100dB, A-weighted
- D/A Conversion: 24bit

#### System Performance

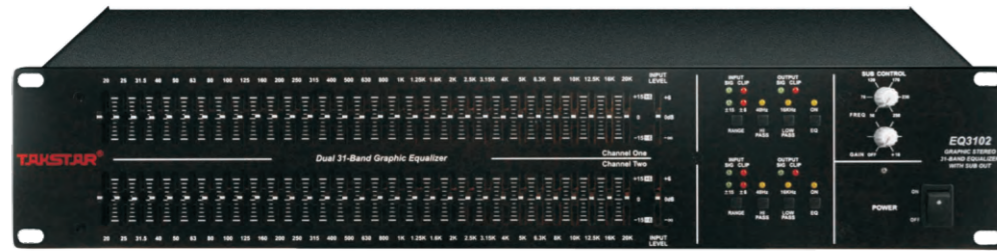
- Sample Rate: 48KHz
- Dynamic Range: 100dB, A-weighted
- THD+N %: 0.01%, 1KHz
- S/N Ratio: 100dB, A-weighted
- Frequency Response: 20Hz to 20KHz, +/-0.5dB
- Inter Channel Crosstalk: 100dB, A-weighted
- Crosstalk Input To Output: 100dB, A-weighted
- Operating Voltage: 230VAC 50/60Hz 115VAC 50/60Hz
- Power Consumption: 15W

#### Physical

- Dimension: 483 x 195 x 44mm
- Net Weight: 3.1Kg

### Application

- Conference, live performance, speech, public address



## EQ3102(Equalizer)

### Features

- Easy to operate the front panel controls
- Constant Q circuitry design with 3% center frequency accuracy
- Selectable control range:  $\pm 6\text{dB}$  or  $\pm 15\text{dB}$
- Balanced and unbalanced input and output connectors
- Variable input level control
- Signal clipping control
- Ground "LIFT" switch to disconnect signal ground from chassis ground
- Selectable input voltage
- Durable and compact design
- The unit is with subwoofer output

### Specification

- |  |  |
|--|--|
| • Type: 2 x 31 band: 1/3 octave, ISO spacing (2H)                    | • Output Impedance: $< 600\Omega$                          |
| • Slider Travel: 20mm with positive centre detente                   | • High Pass Filter: 40Hz(12dB/oct)                         |
| • Range: $\pm 6\text{dB}$ or $\pm 15\text{dB}$ , selectable          | • Low Pass Filter: 16KHz(12dB/oct)                         |
| • Input Connections: balanced XLR and 1/4" TRS unbalanced RCA        | • Frequency Response: 20Hz to 50KHz-1.5dBu                 |
| • Input Impedance: 20K $\Omega$ (balanced) 15K $\Omega$ (unbalanced) | • THD: $< 0.01\%$ (@1KHz, all VR at middle position)       |
| • Maximum Input Level: 14dBu   | • S/N Ratio: $> 110\text{dB}$                              |
| • Output Connections: balanced XLR and 1/4" TRS unbalanced RCA       | • Power Supply: 95V-120V AC-60Hz, 220V-240V - 50Hz / 60Hz  |
| • Subwoofer Out: balanced XLR(Frequency: 50Hz-250Hz)                 | • Consumption: 18W   |
| • Input Impedance: 20K $\Omega$ (balanced) 15K $\Omega$ (unbalanced) | • Dimensions: 483(W) x 220(D) x 88(H) (19" x 8.66" x 3.5") |



## EPO-802(Power Sequencer)

### Features

- Designed with voltage display on the front panel for voltage stability real time monitoring
- Automatically and sequentially turning on/off via the switch on the front panel
- LED indication for each channel operation, independent switch control for each channel
- Standard USB interface provides 5V power supply
- An additional strong power socket on the front panel for convenient power supply of live application
- 3 pin output sockets for wide applications
- High quality relays for long service life

### Specification

- |   |   |
|---|---|
| • Input Power: AC 220V/50Hz                                       | • ON/OFF LED: 8 LEDs(red), one for each channel |
| • Load Capacity: total 220V, 30A; each channel output current 10A | • Input Power LED: one LED(green)               |
| • Input Power Cord: 3 x 6mm <sup>2</sup> pure copper RVV cable    | • USB Interface: 1 (5V)                         |
| • Controlled Channel: 8 channels                                  | • Sequential Interval: 2 seconds                |
| • Standby Socket: 1pc   | • Dimension(W x D x H): 440mm x 215mm x 48mm    |
| • Socket: 3pin socket (pure phosphor bronze)                      | • Weight: 4.45Kg                                |

### Application

- Conference room, multi-function hall, KTV bar, project installation, outdoor activity



## TS-AD1(Antenna Amplifier)

### Features

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

### Specification

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

### Application

- Engineering application, outdoor performance



## TS-AD2(Antenna Amplifier)

### Features

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

### Specification

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

### Application

- Engineering application, outdoor performance



## 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

- Microphone Input: balanced XLR
- Frequency Response: 20Hz to 50KHz±3dB
- Distortion(THD & N): <0.005% to +4dBu, 1KHz
- Gain Range: 0dBa50dB MIC
- SNR (Signal To Noise Ratio): <-100dB
- Phantom Power: +48V with switch
- Line Input: electronically balanced 1/4" TRS
- Frequency Response: 20Hz to 50KHz±3dB
- Distortion: <0.005% to +4dBu, 1KHz
- Sensitivity: +15dBu±3dB

#### Impedances

- Microphone Input: 1.4KOhm
- All Other Inputs: 10KOhm
- Tape Out: 1KOhm
- All Other Output: 120Ohm

#### Equalization

#### Mono Channel

- High: ±15dB@12KHz
- Mid: ±15dB frequency range 100Hz to 8KHz
- Low: ±15dB@80KHz

#### Application

- Home entertainment, on-stage performance, auditoriums, outdoor activities



## 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
- With gain and +48V phantom power for mono input channel
- 6 stereo input channel with 6.3mm socket and level selection switch
- Effector with 100 kinds of effect
- Output signal with 9-band graphic EQ
- Mono input channel with 3-band EQ and adjustable mid frequency
- 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
- Each input channel with MUTE/SUB1-2/SUB3-4, SOLO switch and signal LED/overload LED
- TAPE IN/TAPE OUT with shut-off switch
- Matrix(MAIN MIX/SUB1-2/3-4) and decentralized output level for headphone/control room
- Balanced XLR and 6.3mm output socket
- Product Dimension: 440 x 480 x 108mm
- Net Weight: 5.5Kg

### Application

- Home entertainment, commercial performance, outdoor activities





## XR-1824FX(Mixing Console)

### Features

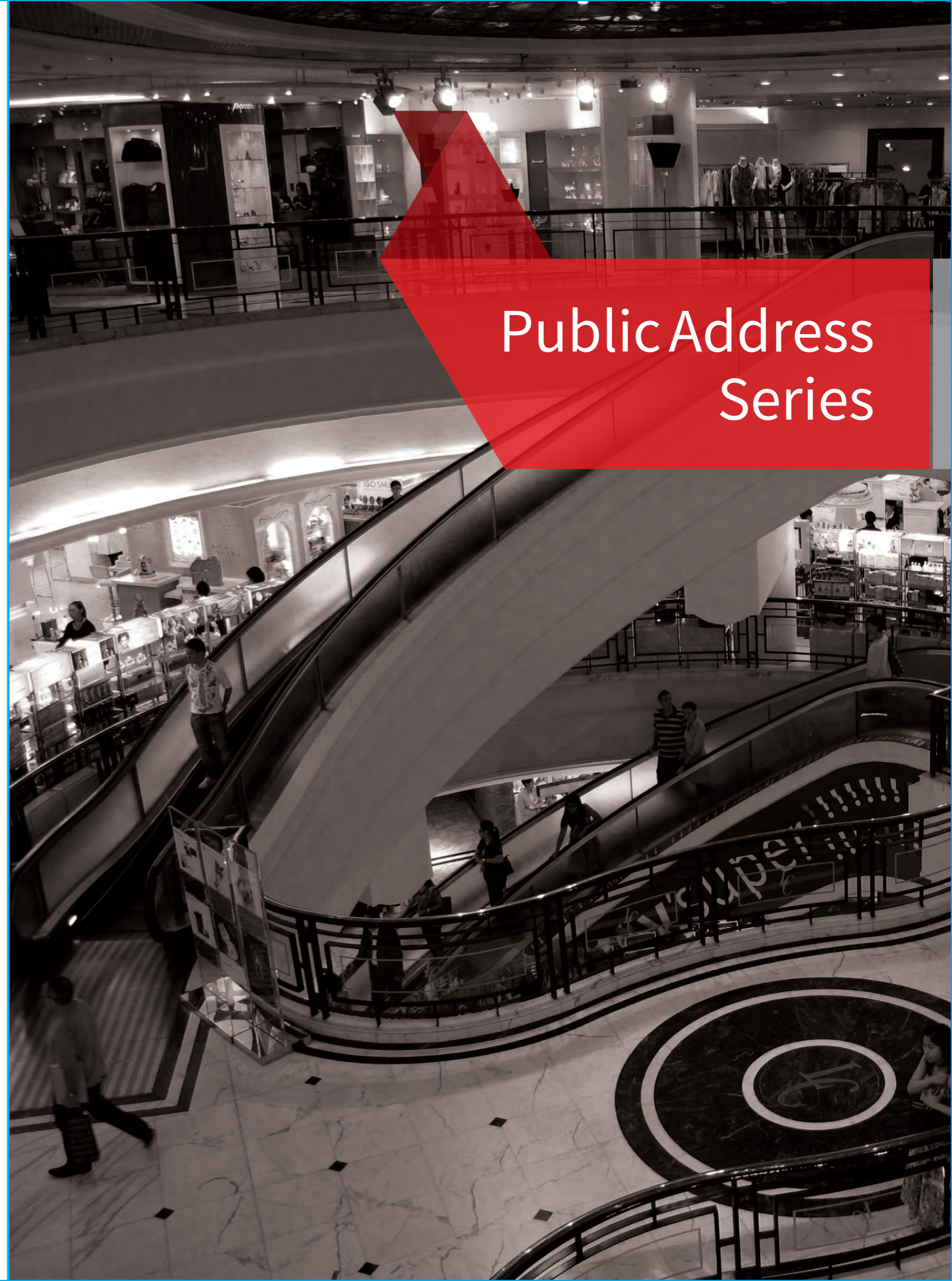
- 18 XLR and TRS balanced inputs
- 6 stereo TRS balanced inputs
- Low noise preamplifier and +48V phantom power
- Each channel has SUB1-2, SUB3-4 and MAIN L-R signal distribution switch
- Each channel has 4 aux sends: AUX1/AUX2 sends with PRE/POST switch are used to monitor the operation effect and sound processor input, whether controlled by fader or not is to switch the PRE/POST switch; additional aux sends DFX1 and DFX2 are used to monitor the external or internal DSP effect when it is set at the post of the fader
- Mono channel has 3 band EQ with adjustable MF, stereo 4 band EQ
- Insert connector and direct output connector for each mono channel, together with the main insert connector, it can connect with the external equipment flexibly
- CD/Tape IN can be assigned to the main output and monitor/headphone output
- USB interface, 9 band GEQ
- Built-in 24 bit effector equipped with 100 presets, effect mute and peak LED.

### Specification

- 18pcs gold plated XLR and balanced 6.3mm mono input channel, with HPF
- With gain and +48V phantom power for mono input channel
- 6 stereo input channels with 6.3mm connector and level selection switch
- Two effectors with 99 effects
- Output signal has 9 band GEQ
- 6 band EQ with MF scanning for mono input channel
- 4 band fixed EQ for stereo input channel
- 6 AUX outputs: AUX1 is with pre/post fader for foldback; AUX6 post fader is used for sending effects
- Each input channel is with MUTE/ALT1-2/ALT3-4, SOLO switch, signal LED and overload LED
- 4 stereo AUX returns have level controls and can send the signal to AUX1
- TAPE IN/TAPE OUT with shut-off switch for sending the signal to the control room and main output
- Matrix(MAIN MIX/1-2/3-4) and group output level are used for headphone/control room
- Balanced XLR and 6.3mm output connector
- Dimension: 545 x 770 x 190mm
- Net Weight: 14.4Kg

### Application

- Home entertainment, commercial show, large assembly, outdoor activities



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



## 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: 600 $\Omega$ , 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: 600 $\Omega$ , 1V, unbalanced
- Power Supply: 220V/50Hz
- Power Consumption: 10~15W
- Dimension: 485 x 340 x 88mm
- Weight: 7.0Kg



### EBS-3C(Power Sequencer)

#### Features

- Standard 2U height, Al alloy panel, LED indication
- Microcomputer control, one second time interval of turning on each channel
- 10CH power outputs
- Electronic safety lock switch management, manually emergency control 10CH power outputs
- 1CH short circuit signal input can trigger and turn on the equipment
- Turning on the power in turn and vice versa to protect the equipments from current surge

#### Specification

- Controlled Power Quantity: 10 channels
- Single Channel Capacity: 3KVA
- Total Capacity: 6KVA
- Operating Time Interval: 1S
- Control Way: manual
- Power Supply: AC220V~240V/50~60Hz
- Power Consumption: 50W
- Protection: AC fuse(32A)
- Dimension: 485 x 345 x 88mm
- Net Weight: 5.6Kg



### EBS Series(PA System)

#### Features

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

#### Specification

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



## EBS Series(PA Power Amplifier)

### Features

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

### Specification

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



## EBS-100A(PA Power Amplifier)

### Features

- LED for operating status indication, independent volume adjustment
- Unique amplifying circuit
- Ultra high power, stable and reliable performance
- RCA and XLR connectors for convenient linking
- Short circuit/overload/thermal protection
- Automatic variable speed fan for heat dissipation
- Standard enclosure design, 3U height Al panel

### Specification

- Output Power: 1000W
- Output Way: 4-16Ω fixed impedance output;  
70V fixed voltage output;  
100V fixed voltage output;
- Frequency Response: 60-18KHz
- Line Input: 10KΩ(-6dB) balanced XLR;  
10KΩ(0dB) unbalanced TRS
- S/N Ratio: line: 70dB, microphone: 66dB
- Distortion: <0.1% at 1KHz, 1/3 rated power output
- Power Supply: AC 220V-240V/50-60Hz
- Aux Output: 600Ω/1V(0dBV)
- Dimension: 485 x 410 x 132mm
- Weight: 25.5Kg

### Application

- Medium/large PA system reinforcement

### EBS-6C(Ceiling Speaker Cabinet)

#### Features

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

#### Specification

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

#### Application

- Hotel, supermarket



### EBS-10W(Wall Speaker Cabinet)

#### Features

- Clear and charming tone, flat music frequency response

#### Specification

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

#### Application

- Indoor application, e.g. classroom, supermarket



### EBS-25W(Column Speaker Cabinet)

#### Features

- Rugged and waterproof Al enclosure
- Transparent tone, exquisite contour, professional dust-proof design

#### Specification

- Rated Power: 25W
- Dimension: 145 x 130 x 410mm
- Voltage: 70V/100V
- Enclosure: Al alloy

#### Application

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



### EBS-45W(Column Speaker Cabinet)

#### Features

- Rugged and waterproof Al enclosure
- Transparent tone, exquisite contour, dust-proof design

#### 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

#### Application

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



# Electrified Education Series



## EKA-D3A (Power Amplifier)

### Features

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

### 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)

### Application

- Classroom, small conference room



## EKS-061(Speaker Cabinet)

### Features

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

### Specification

- |  |   |
|--|---|
| • Rated Power: 30W                     | • Suspension: horizontal suspension         |
| • Peak Power: 120W                     | • 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 180 x 208(W x D x H) |
| • Max SPL: 100dB                       | • Weight: 3.1Kg                             |
| • Crossover Frequency: 2500Hz          |   |

### Application

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



## WDA-700(Education System)

### Features

- UHF 790MHz-805.750MHz and 806MHz-821.750MHz frequency bands, 64 frequencies per band, totally 128 selectable frequencies
- Adopts patent anti-interference technology, the transmitter can be used free from interference in any classroom which has installed the WDA700 wireless speaker
- The transmit frequency is automatically and synchronously set by the receiver (main speaker) via infrared data transmission
- High quality wooden speaker housing and advanced audio circuitry design features natural and distortion-free sound
- Stereo left and right speakers, maximum output power is up to 30W
- AUX IN socket for convenient connection with signal from campus broadcasting or DVD, etc
- LINE OUT function meets the demands of multimedia teaching
- The transmitter is supplied with high capacity rechargeable lithium-ion batteries; the continuous playtime is up to 12 hrs
- Elegant and durable metal alloy housing for transmitter
- Choices of installation: mounting with tripod, hanging on wall, or putting on the table directly

### Specification

- |   |   |  |
|---|---|--|
| • Receiver Sensitivity: -80dBm SN>25dB                                | • Max. Output Power: 30W x 2                                    | • Audio Modulation: 7-8KHz (input 15mV)        |
| • Noise Lock: -91dBm±1dBm   | • Output Impedance: 4Ω  | • Pilot Frequency Modulation: 8-9KHz (max.)    |
| • Frequency Range: 790.000MHz - 821.750MHz                            | • Power Adaptor: DC 16V/5A                                      | • Wireless Operating Range: 20-30m (indoors)   |
| • Frequency Band: two bands<br>(790MHz-805.750MHz, 806MHz-821.750MHz) | • Transmit Power: <10mW   | • Recharging Period of Transmitter: 3-5 hrs    |
| • Frequency Response: 80Hz-16KHz                                      | • Transmit Current Consumption: 40-50mA                         | • Playtime of Transmitter: >12hrs              |
| • Speaker System: two speakers (stereo)                               | • Transmit Recharging Current: 350mA                            | • Low Power Indication of Transmitter: 3.2V±1V |
|   | • Distance of Infrared Data Transmission:<br>6-8m (in straight) |  |

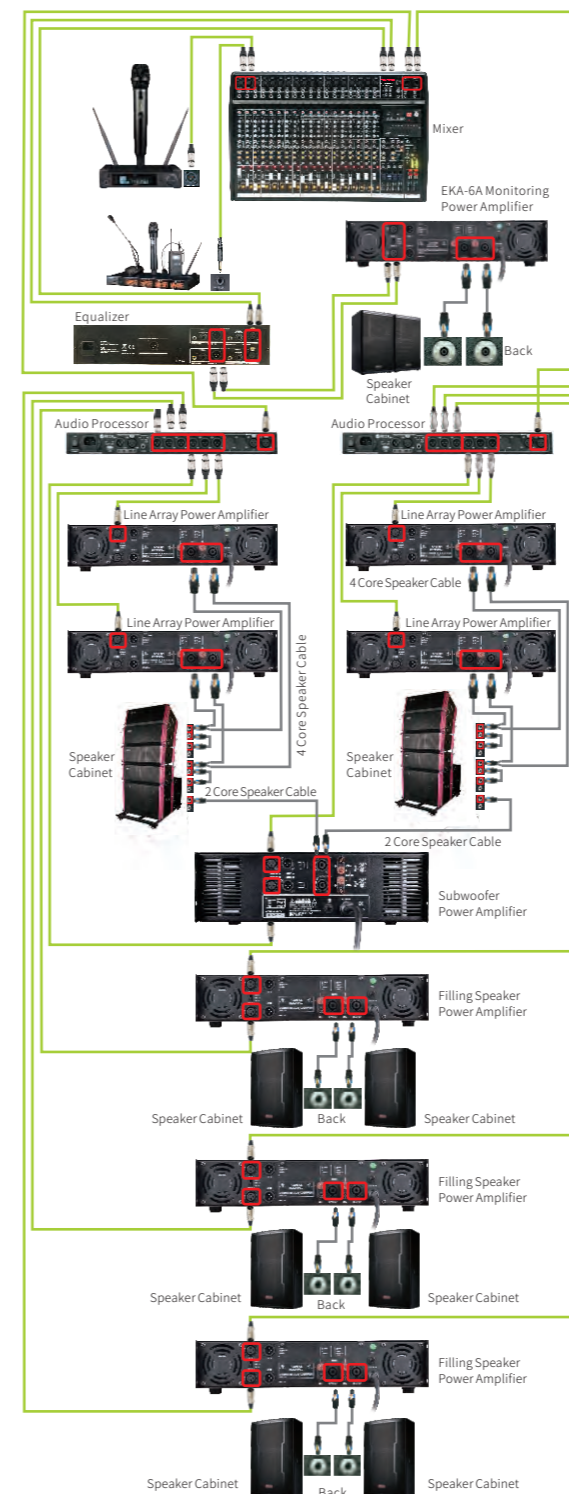
### Application

- Multimedia teaching, etc

# Solution



## Solution Connection Diagram:



## Application:



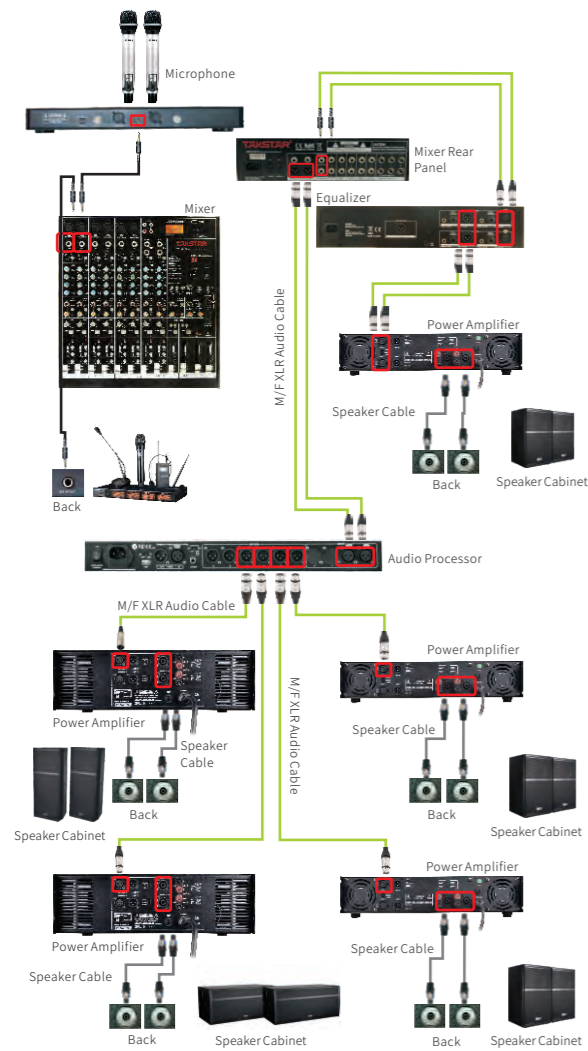
Banquet Hall

## Recommended Solution Configuration

Type	Model	Unit	Quantity
Line array	ELA-082	pc	8
Line array	ELA-181SUB	pc	2
300W line array power amplifier	EKA-3A	pc	2
800W line array power amplifier	EKA-8A	pc	2
1200W line array subwoofer power amplifier	EKA-12A	pc	1
Filling 15 inch full range speaker cabinet	ELV-151	pc	4
Stage border 15 inch full range speaker cabinet	ELV-151	pc	2
Filling 800W power amplifier	EKA-8A	pc	3
Stage monitoring full range speaker cabinet	EKS-121	pc	2
Stage monitoring 600W power amplifier	EKA-6A	pc	1
Equalizer	EQ 3102	pc	1
Audio processor	EKX-3A	pc	2
24CH analog mixer	XR-1824FX	pc	1
Wireless microphone	TS-9310D	set	2
Conference microphone	X4	set	1



**Solution Connection Diagram:**



**Application:**

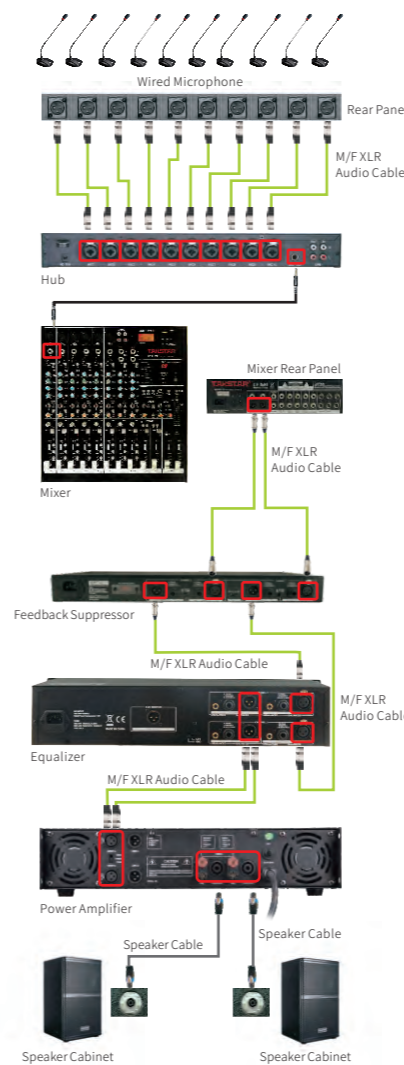
Speech, report, training, stage show in about 100-1000 square meter conference room



**Recommended Solution Configuration**

Type	Model	Unit	Quantity
Dual 18 inch subwoofer	EKS-182SUB	pc	2
1300W subwoofer power amplifier	EKA-13A	pc	1
Dual 15 inch full range main speaker cabinet	EKS-152	pc	2
1200W main speaker cabinet power amplifier	EKA-12A	pc	1
12 inch aux speaker cabinet	EKS-121	pc	4
600W aux speaker cabinet power amplifier	EKA-6A	pc	2
Stage monitoring 10 inch full range speaker cabinet	EKS-101	pc	2
300W monitoring speaker cabinet power amplifier	EKA-3A	pc	1
Equalizer	EQ 3102	pc	1
Conference microphone	X4	set	1
Audio processor	EKX-3A	pc	1
Mixer	XR-612FX	pc	1
Wireless Handheld microphone	X6	set	1

**Solution Connection Diagram:**



**Application:**

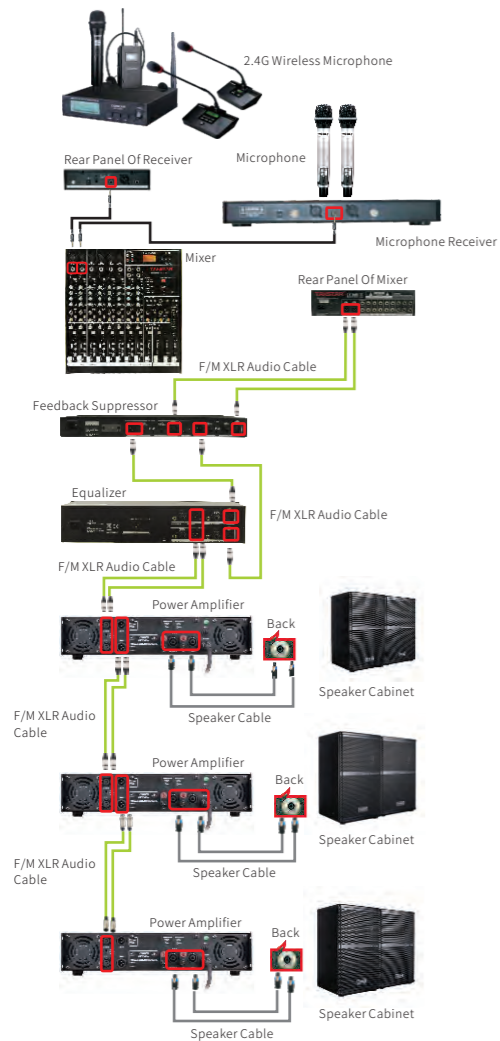
Enterprise/government conference



**Recommended Solution Configuration**

Application	Type	Model	Unit	Quantity
Medium Conference	8 inch main speaker cabinet	EKS-081	pc	4
	300W main speaker cabinet power amplifier	EKA-3A	pc	2
	Feedback suppressor	FE-224	pc	1
	Equalizer	EQ 3102	pc	1
	Mixer	XR-612FX	pc	1
	Wireless conference microphone receiver	DG-C100	set	1
	Wireless conference microphone chairman unit	DG-C100T1	pc	1
	Wireless conference microphone delegate unit	DG-C100T2	pc	15
	Wireless conference gooseneck microphone	GN-45	pc	16
	Wireless handheld microphone	X6	set	1
Small Conference	8 inch conference speaker cabinet	EKS-081	pc	2
	300W power amplifier	EKA-3A	pc	1
	Equalizer	EQ 3102	pc	1
	Hub	TS-108	pc	1
	Feedback suppressor	FE-224	set	1
	Wired conference microphone	MS400-1	set	10
12CH mixer	XR-612FX	pc	1	

**Solution Connection Diagram:**



**Application:**

Enterprise/government conference



Enterprise



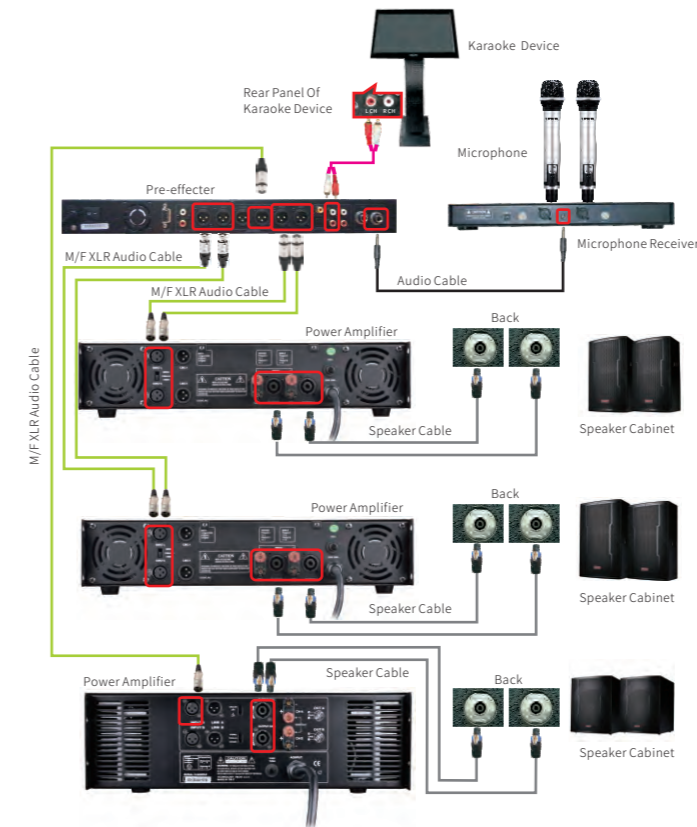
Government

**Recommended Solution Configuration**

Application	Type	Model	Unit	Quantity
■ Large Conference	10 inch main speaker cabinet	EKS-101	pc	2
	8 inch aux speaker cabinet	EKS-081	pc	4
	300W main speaker cabinet power amp	EKA-3A	pc	3
	Feedback suppressor	FE-224	pc	1
	Equalizer	EQ 3102	pc	1
	Mixer	XR-612FX	pc	1
	Wireless conference microphone receiver	DG-C200	set	1
	Wireless conference microphone chairman unit	DG-C200T1	pc	1
	Wireless conference microphone delegate unit	DG-C200T2	pc	15
	Wireless conference gooseneck microphone	GN-45	pc	16
Wireless handheld microphone	X6	set	1	

**Solution Connection Diagram:**

VIP Chamber Luxury Solution



**Application:**

KTV, multifunctional hall, home entertainment



KTV Project



Multifunctional Hall



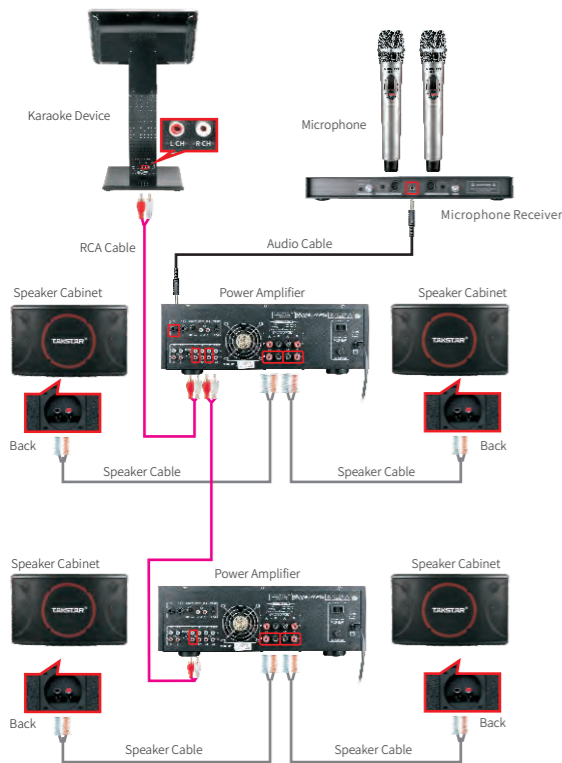
Home

**Recommended Solution Configuration**

Application	Type	Model	Unit	Quantity
■ VIP Chamber Luxury Solution (50-70m <sup>2</sup> )	18 inch subwoofer	ELV-181SUB	pc	2
	1200W power amplifier	EKA-12A	pc	1
	15 inch main speaker cabinet	ELV-151	pc	2
	800W power amplifier	EKA-8A	pc	1
	12 inch aux speaker cabinet	ELV-121	pc	2
	500W power amplifier	EKA-6A	pc	1
	Pre-effector	EKX-4A	pc	1
Wireless Handheld microphone	X6	set	1	
■ KTV Large Chamber (Approx. 50m <sup>2</sup> )	15 inch main speaker cabinet	ELV-151	pc	2
	800W power amplifier	EKA-8A	pc	1
	10 inch filling speaker cabinet	ELV-101	pc	2
	300W power amplifier	EKA-3A	pc	1
	Pre-effector	EKX-4A	pc	1
■ KTV Medium Chamber (Approx. 30m <sup>2</sup> )	Wireless microphone	X5	set	1
	12 inch main speaker cabinet	EKS-121	pc	2
	600W power amplifier	EKA-6A	pc	1
	10 inch aux speaker cabinet	EKS-101	pc	2
	300W power amplifier	EKA-3A	pc	1
■ KTV Small Chamber (Approx. 20m <sup>2</sup> )	Pre-effector	EKX-4A	pc	1
	Wireless Handheld microphone	X6	set	1
	10 inch speaker cabinet	EKS-101	pc	2
	600W power amplifier	EKA-3A	pc	1
Pre-effector	EKX-2A	pc	1	
Wireless Handheld microphone	X6	set	1	

**Solution Connection Diagram:**

**Luxury Configuration Solution**

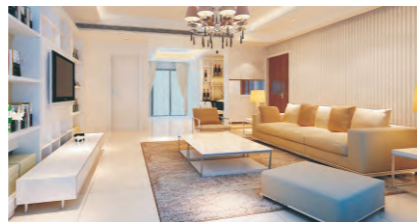


**Application:**

Home entertainment



Villa Luxury Application



High Class Home Application



Economical Home Application

**Recommended Solution Configuration**

Application	Type	Model	Unit	Quantity
■ Villa Luxury Application	12 inch KTV main speaker cabinet	EKT-121	pc	2
	300W combo power amplifier	EKAX-3A	pc	1
	10 inch KTV speaker cabinet	EKT-101	pc	2
	200W combo power amplifier	EKAX-2A	pc	1
	Wireless microphone	TS-8807	set	1
■ High Class Home Application	10 inch KTV speaker cabinet	EKT-101	pc	2
	200W power amplifier	EKAX-2A	pc	1
	Wireless microphone	TS-8807	set	1
■ Economical Home Application	8 inch KTV speaker cabinet	EKT-081	pc	2
	150W power amplifier	EKAX-1A	pc	1
	Wireless microphone	TS-6720	set	1

**Solution Connection Diagram:**



**Application:**

Hotel, supermarket



Hotel



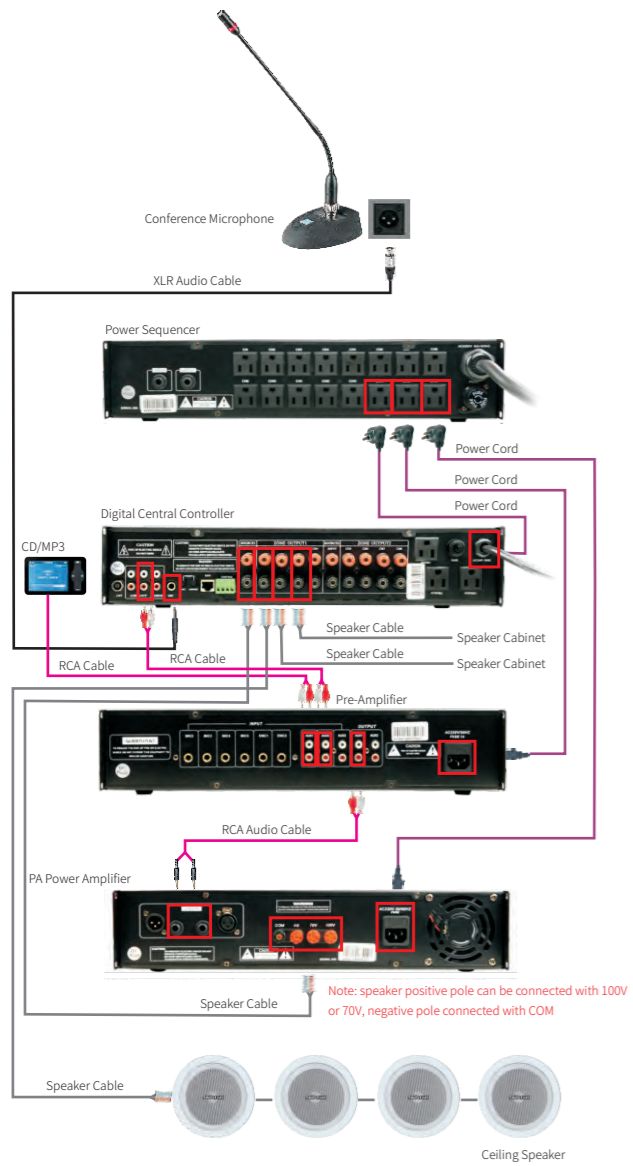
supermarket PA System

**Recommended Solution Configuration**

Application	Type	Model	Unit	Quantity
■ Small/Medium /Large supermarket	Conference microphone	MS200-2	pc	1
	PA power amplifier	EBS-06M	pc	1
	Ceiling speaker	EBS-6C	pc	N

Note: please match the total power of PA power amplifier and that of the ceiling speaker (N means multiple speaker cabinets).

**Solution Connection Diagram:**



**Application**

Supermarket, station, school, park, enterprise



Station



Campus PA System



Enterprise

**Recommended Solution Configuration**

Application	Type	Model	Unit	Quantity
■ Campus	Digital central controller	EBS-1C	pc	1
	Preamplifier	EBS-2C	pc	1
	16CH power sequencer	EBS-3C	pc	1
	Rear amplifier	EBS-50A	pc	1
	10W wall installation speaker cabinet	EBS-10W	pc	N
	Outdoor column speaker	EBS-25W	pc	N
	Ceiling speaker	EBS-6C	set	N
	Conference microphone	MS200-2	pc	1