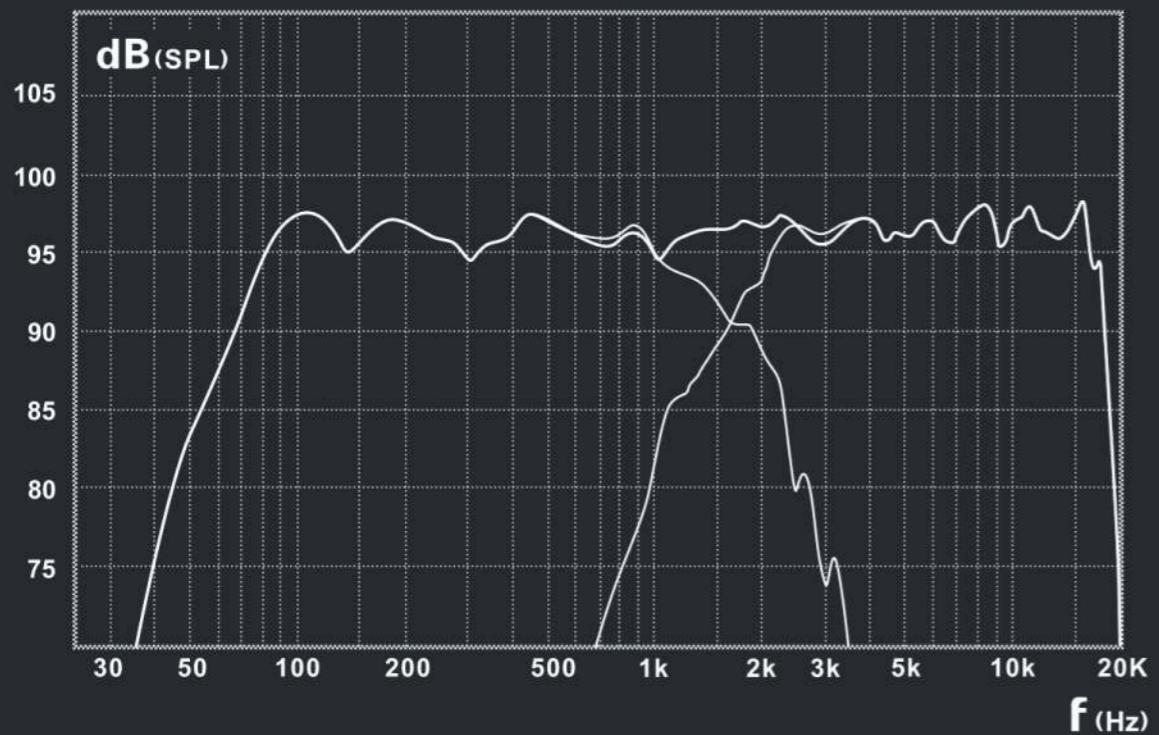




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# Company 公司介绍

FDB AUDIO MANUFACTURE CO .,LTD.

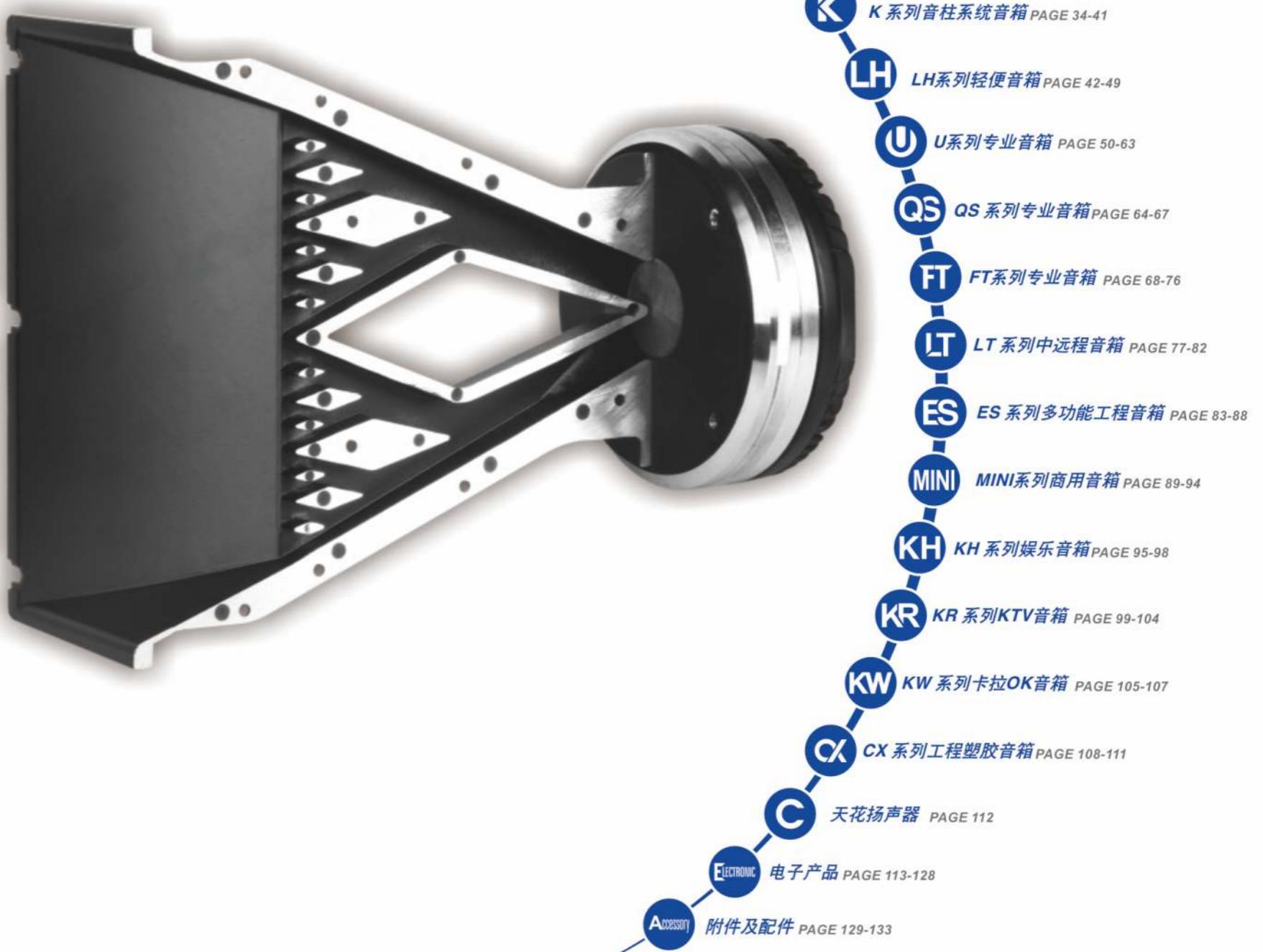
FDB Audio Manufacture Co., Ltd. is specialized in researching & developing, manufacturing, marketing and serving in pro audio products. FDB Audio adopts the world's top-aided software and advanced technology, owns advanced production equipments and testing instruments, establishes cooperation development mechanisms with a number of world top grade materials and accessories manufacturers. All important materials are imported from abroad.

The main products are professional transducers, speaker systems and electronic products. FDB Audio has established and strictly enforced the standard quality management system in accordance with ISO 9001:2015. " Clear basis, perfect process, strict requirements and customer satisfaction " is our quality policy.

东莞市爱高音响有限公司是集研发、生产、销售及工程服务为一体的专业音响公司。建设有一支高素质、稳定的专业团队，采用当今世界最新的辅助设计软件及先进技术，拥有先进的生产设备和检测仪器，与多家世界级专业材料和配件厂商建立了合作开发机制，关键零部件从国外进口。

主要产品有专业扬声器单元、专业音箱及配套的电子产品。公司建立并严格执行 ISO9001: 2015标准的质量管理体系，“依据明确、流程健全、严格执行、顾客满意”是我们的质量方针。

企业宗旨：“追求更好，共同分享”，旨在研发、制造更好的产品，提供更优质的服务，获得合理的利润，与顾客、员工、供应商共同分享，最终服务于社会。“认真、快、坚守承诺”是我们的工作作风，“客户是我们生存和成长之源”是我们的客户观，我们愿凭借着雄厚的电声学研究技术和孜孜不倦的追求，为顾客提供质量稳定可靠、技术含量领先并持续提高的专业音响产品与服务。



# NX series

LINE ARRAY SYSTEM



## NX510 NXseries NX510A

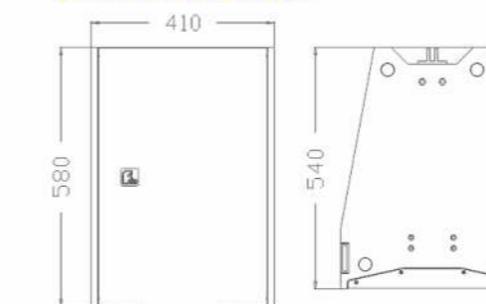
### Line Array System

NX510 is a compact loudspeaker system using medium and low frequency horn and high frequency linear coupling technology, which can obtain relatively high SPL by using small volume and weight, and can be combined with more than one, can be used with stand and can be hung, which is more convenient and fast to install. NX510 is fitted with two 10" neodymium LF drivers and three 1" neodymium HF drivers coupled to a patent horn, made of high quality plywood with polyurea waterproof paint. NX510A is equipped with FA2.68 digital amplifier module based on NX510 to be an active loudspeaker.

NX510 是一款采用中低频号角负载技术与中高频线性技术相结合的紧凑型线性扬声器系统。中低频采用两只10寸钕磁75芯扬声器号角负载，中高频采用三只1寸喉口44芯驱动器加线性波导号角，结构上采用对称设计，中高频组件既能把中低频分成两个完全相同的对称声源，同时又对中低频进行相位修正，以减小失真。中低频与中高频的磁路部分非同一腔室的设计，使得工作产生的热量分散，而不会因为温升过快而产生功率压缩，同时中低频工作时产生的气流对中高频组件起到通风散热功效。箱体采用多层夹板，聚脲喷涂制作，NX510A是在NX510的基础上配置FA2.68功放组件成为有源音箱。



### CONFIGURATION



#### MODEL

**FREQUENCY RESPONSE(-3dB)**

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### NX510

LF: 70Hz-2.5kHz

HF: 1kHz-18kHz

2×10"(250mm)/3" voice coil LF

3×1"(25mm)/1.7" voice coil HF

LF: 600W RMS, 2400W peak

HF: 180W RMS, 720W peak

LF: 106dB 1watt/1meter

HF: 111dB 1watt/1meter

LF: 134dB continuous, 140dB peak

HF: 134dB continuous, 140dB peak

LF: 8 ohms nominal

HF: 6 ohms nominal

90° × 30°

1.5KHz passive

2× Speakon NL4

650mm×520mm×695mm

35kg/pc

39kg/pc

#### NX510A 70Hz-18kHz

2×10"(250mm)/3" voice coil LF

3×1"(25mm)/1.7" voice coil HF

600W/8Ω+800W/8Ω

--

--

--

134dB continuous, 140dB peak

--

--

--

90° × 30°

--

INPUT TYPE: Balanced Differential line

650mm×520mm×695mm

38kg/pc

42kg/pc



### FEATURES

- High quality plywood with polyurea waterproof paint
- Application of coupling technology
- Coaxial design
- Small size, high SPL
- Support pole mounting, can be hung, more convenient to install
- Used for moving performance, clubs, multi-purpose hall, theatre and stadiums

### 系统特征

- 最大不失真声压级与体积、重量比值高
- 可单只使用，也可两只组合使用，相互间不产生干涉
- 系统可堆码、支撑、吊挂使用灵活
- 线性吊挂设计，安装方便快捷
- 体积小、重量轻，方便运输

### 适用范围

- 剧院、厅堂
- 流动演出
- 体育场馆
- 迪厅等大型娱乐场所


**FEATURES**

- High quality plywood with polyurea waterproof paint
- Application of coupling technology
- Coaxial design
- Small size, high SPL
- Support pole mounting, can be hung, more convenient to install
- Used for moving performance, clubs, multi-purpose hall, theatre and stadiums

**系统特征**

- 最大不失真声压级与体积、重量比值高;
- 可单只使用,也可两只组合使用,相互间不产生干涉;
- 系统可堆码、支撑、吊挂使用灵活;
- 线性吊挂设计,安装方便快捷;
- 体积小、重量轻,方便运输;

**适用范围**

- 剧院、厅堂;
- 流动演出;
- 体育场馆;
- 迪厅等大型娱乐场所;

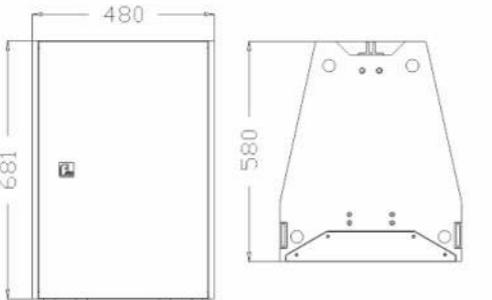
# NXseries NX612

# NXseries NX612A

Line Array System

**NX612** is a compact loudspeaker system using medium and low frequency horn and high frequency linear coupling technology, which can obtain relatively high SPL by using small volume and weight, and can be combined with more than one, can be used with stand and can be hung, which is more convenient and fast to install. NX612 is fitted with two 12" neodymium LF drivers and four 1" neodymium HF drivers coupled to a patent horn, made of high quality plywood with polyurea waterproof paint. NX612A is equipped with FA2.68 digital amplifier module based on NX612 to be an active loudspeaker.

NX612是一款采用中低频号角负载技术与中高频线性技术相结合的紧凑型线性扬声器系统。中低频采用两只12寸钕磁75芯扬声器号角负载，中高频采用四只1寸喉口44芯驱动器加线性波导号角，结构上采用对称设计，中高频组件既能把中低频分成两个完全相同的对称声源，同时又对中低频进行相位修正，以减小失真。中低频与中高频的磁路部分非同一腔室的设计，使得工作产生的热量分散，而不会因为温升过快而产生功率压缩，同时中低频工作时产生的气流对中高频组件起到通风散热功效。箱体采用多层夹板，聚脲喷涂制作，NX612A是在NX612的基础上配置FA2.68功放组件成为有源音箱。


**CONFIGURATION**

**MODEL**
**FREQUENCY RESPONSE(-3dB)**
**DRIVERS**
**RATED POWER**
**SENSITIVITY**
**MAXIMUM SPL**
**IMPEDANCE**
**DISPERSION(-6dB)**
**CROSSOVER FREQUENCIES**
**INPUT CONNECTORS**
**PACKAGE SIZE**
**NET WEIGHT**
**GROSS WEIGHT**
**NX612**
**LF: 60Hz-2.5kHz**
**HF: 1KHz-18kHz**
**2×12"(300mm)/3" voice coil LF**
**4×1"(25mm)/1.7" voice coil HF**
**LF: 800W RMS,3200W peak**
**HF: 240W RMS,960W peak**
**LF: 107dB 1watt/1meter**
**HF: 113dB 1watt/1meter**
**LF: 136dB continuous,142dB peak**
**HF: 137dB continuous,143dB peak**
**LF: 8 ohms nominal**
**HF: 8 ohms nominal**
**90° × 30°**
**1.5KHz passive**
**2× Speakon NL4**
**691mm×590mm×796mm**
**44kg/pc**
**49kg/pc**
**NX612A**
**60Hz-18kHz**
**--**
**2×12"(300mm)/3" voice coil LF**
**4×1"(25mm)/1.7" voice coil HF**
**600W/8Ω+1200W/4Ω**
**--**
**--**
**--**
**136dB continuous,142dB peak**
**--**
**--**
**--**
**90° × 30°**
**--**
**INPUT TYPE: Balanced Differential line**
**691mm×590mm×796mm**
**47kg/pc**
**52kg/pc**

# MAseries

## LINE ARRAY SYSTEM





## MAseries **MLA406** **MLA406A**

Line Array System

### FEATURES

- High quality plywood with special environmental protection paint
- High quality neodymium components
- Patent line array horn
- Bi-amp and passive way choice
- Small cabinet with light weight
- Convenient for tripod and fixed installation
- Good used for conference rooms, multi-purpose halls, high-end hotels and moving performances

### 系统特征

- 高质量单元配置，专利线性号角：高保真音质，投射精确
- 体积小、重量轻便于支撑和固定安装
- 通用支撑及简易吊挂设计：搭建安装灵活、快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 高音质标准要求的会议室、多功能厅，高级酒店的扩声
- 小型流动商演、乐队扩声

### MODEL

FREQUENCY RESPONSE(-3dB)  
FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

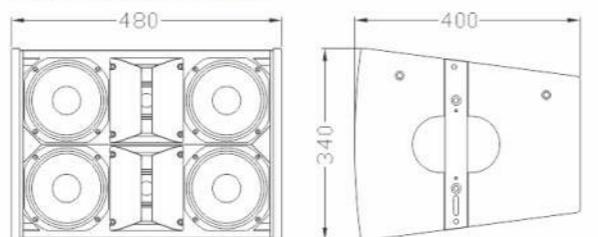
### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT



### CONFIGURATION



### MLA406

80Hz-18kHz  
75Hz-20kHz

### DRIVERS

### 4×6"(150mm)/1.5"voice coil LF

### 2×1"(25mm)/1.7"voice coil HF

### 320W RMS,1280W peak

### 99dB 1watt/1meter

### 124dB continuous,130dB peak

### 8 ohms nominal

### Horizontal coverage:110°,

### Vertical coverage: varies, depending on

### array length and configuration

### 700Hz,1.9kHz passive

### 2× Speakon NL4

### 490mm×410mm×577mm

### 17 kg/pc

### 21 kg/pc

### MLA406A

80Hz-18kHz  
75Hz-20kHz

### DRIVERS

### 4×6"(150mm)/1.5"voice coil LF

### 2×1"(25mm)/1.7"voice coil HF

### 600W/8Ω

### --

### 124dB continuous,130dB peak

### --

### Horizontal coverage:110°,

### Vertical coverage: varies, depending on

### array length and configuration

### --

### INPUT TYPE: Balanced Differential line

### 490mm×410mm×577mm

### 19 kg/pc

### 23 kg/pc





## MAseries **MLA206**

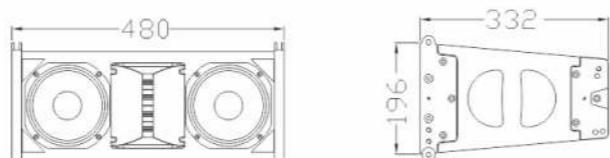
Line Array System

The **MLA206** is a mini line array loudspeaker for small and medium scale sound reinforcement, fitted with two 6" LF neodymium drivers and one 1" neodymium HF driver coupled to a patent line array horn, made of high quality plywood with polyurea waterproof paint. All rigging parts are made of aluminium alloy.

### FEATURES

- High quality plywood with polyurea waterproof paint
- High quality neodymium components
- Patent line array horn
- Small cabinet with light weight, but with high SPL
- Convenient for hanging and stacking
- Good used for moving performance, small scale theater and band

### CONFIGURATION



### 产品特征

- 高质量单元配置，专利线性号角：高保真音质，投射精确
- 方便简捷的吊挂方式：可吊挂，可堆码，安装快捷、灵活
- 超长品质保证期：品质与信心的保证

### 适用范围

- 中小型流动演出
- 多功能厅、高级酒店会所

|                           |  |
|---------------------------|--|
| MODEL                     | MLA206   |
| FREQUENCY RESPONSE(-3dB)  | 90Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 85Hz-20kHz   |
| DRIVERS                   | 2×6"(150mm)/1.5"voice coil LF<br>1×1"(25mm)/1.7"voice coil HF                                      |
| RATED POWER               | 160W RMS,640W peak   |
| SENSITIVITY               | 96dB 1watt/1 metre   |
| MAXIMUM SPL               | 118 dB continuous,124 dB peak  |
| IMPEDANCE                 | 16 ohms nominal  |
| DISPERSION(-6dB)          | Horizontal coverage:110°<br>Vertical coverage: Varies, depending on array length and configuration |
| CROSSOVER FREQUENCIES     | 1.9kHz passive   |
| INPUT CONNECTORS          | 2× Speakon NL4   |
| PACKAGE SIZE              | 412mm×270mm×565mm  |
| NET WEIGHT                | 9 kg/pc  |
| GROSS WEIGHT              | 11 kg/pc   |



## MAseries **MLA115B**

## MAseries **MLA115BAS**

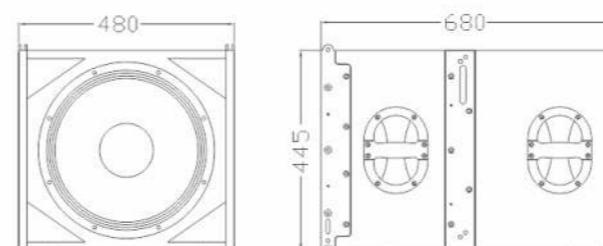
Line Array System

The **MLA115B** is a single 15" low frequency enclosure designed for sub-bass reinforcement to MLA206, made of high quality plywood with polyurea waterproof paint. All rigging parts are made of aluminium alloy. The **MLA115BAS** is equipped with SA2.68 digital amplifier module based on **MLA115B** to be an active system to push 4pcs **MLA206**.

**MLA115B**是一款单15"超低音箱。采用一只15" 100芯低音单元，直射式结构设计，吊挂系统采用铝合金材质，与**MLA206**配合，可吊挂、可堆码，以提升系统低频表现，箱体采用多层复合夹板，聚脲喷涂。**MLA115BAS**是在**MLA115B**基础上配置SA2.68功放组件成为系统，与**MLA206**配合使用。



### CONFIGURATION



### FEATURES

- High quality plywood with polyurea waterproof paint
- Direct radiating design
- High temperature 4"(100mm) voice coil

### 系统特征

- 高质量单元配置，高强度夹板箱体
- 直射式设计，低音丰富自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 配合**MLA206**线性阵列系统，增加低音表现
- 中小型流动演出
- 多功能厅、高级酒店会所

|                          |                              |                              |
|--------------------------|------------------------------|------------------------------|
| MODEL                    | <b>MLA115B</b>               | <b>MLA115BAS</b>             |
| FREQUENCY RESPONSE(-3dB) | 40Hz-300Hz                   | 35Hz-300Hz and 50Hz-20kHz    |
| DRIVERS                  | 1×15"(385mm)/4"voice coil LF | 1×15"(385mm)/4"voice coil LF |
| RATED POWER              | 600W RMS,2400W peak          | 900W/4Ω+1200W/4Ω             |
| SENSITIVITY              | 99dB 1watt/1meter            | --                           |
| MAXIMUM SPL              | 127dB continuous,133dB peak  | 127dB continuous,133dB peak  |
| IMPEDANCE                | 8 ohms nominal               | --                           |
| INPUT CONNECTORS         | 2× Speakon NL4               | Balanced Differential line   |
| PACKAGE SIZE             | 772mm×572mm×540mm            | 772mm×572mm×540mm            |
| NET WEIGHT               | 35 kg/pc                     | 37 kg/pc                     |
| GROSS WEIGHT             | 38 kg/pc                     | 40 kg/pc                     |



**MLAseries**  
LINE ARRAY SYSTEM

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## MLA208 MAseries MLA208DA Line Array System

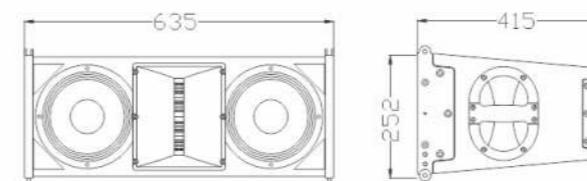


The **MLA208** is a 2.5-way mini line array loudspeaker for small and medium scale sound reinforcement, fitted with two 8" neodymium LF drivers and one 1.4" neodymium HF driver coupled to a patent line array horn, made of high quality polyurea waterproof paint. All rigging parts are made of aluminium alloy. The **MLA208DA** is equipped with FA2.36 digital amplifier module based on **MLA208** to be an active line array loudspeaker.

**MLA208** 是一款中小型、高精度线性阵列扬声器系统，它具有较小的体积和较轻重量，却有较大的声压级，应用低失真中低音单元及专利线性号角，能忠实还原规定范围内音频信号。吊挂系统采用铝合金材质，安装快捷及保证安全。单元配置：两只8"高效率强磁中低音单元，一只专利声透镜号角配置一只1.4"喉口75芯强磁高音驱动器；箱体采用多层复合夹板，聚脲喷涂。**MLA208DA**是在**MLA208**基础上配置FA2.36功放组件成为有源音箱。



### CONFIGURATION



### FEATURES

- High quality plywood with polyurea waterproof paint
- High quality neodymium components
- Patent line array horn
- Passive or Bi-amp operation
- Convenient for hanging and stacking
- Good used for moving performance, small scale theater, stadium and odeums.

### 系统特征

- 高质量单元配置，专利线性号角：  
高保真音质，投射精确
- 内、外置分频选择，操作简便灵活又可最大发挥使用者的技术优势
- 方便简捷的吊挂方式：可吊挂可堆码，安装快捷、灵活
- 超长品质保证期：品质与信心的保证

### 适用范围

- 体育场馆、中小型演出系统
- 剧院、音乐厅、演艺中心、会议中心

**MODEL**  
**FREQUENCY RESPONSE(-3dB)**  
**FREQUENCY RESPONSE(-10dB)**  
**DRIVERS**

**RATED POWER**  
**SENSITIVITY**  
**MAXIMUM SPL**  
**IMPEDANCE**  
**DISPERSION(-6dB)**

**CROSSOVER FREQUENCIES**  
**INPUT CONNECTORS**  
**PACKAGE SIZE**  
**NET WEIGHT**  
**GROSS WEIGHT**

**MLA208**  
65Hz-18kHz  
60Hz-20kHz  
2×8"(200mm)/2"voice coil LF  
1×1.4"(36mm)/3"voice coil HF  
300W RMS,1200W peak  
98dB 1watt/1meter

123dB continuous,129dB peak  
8 ohms nominal  
Horizontal coverage:100°,  
Vertical coverage:varies,depending on  
array length and configuration  
700Hz,1.5kHz passive  
2× Speakon NL4

505mm×362mm×730mm  
20 kg/pc  
24 kg/pc

**MLA208DA**  
65Hz-18kHz  
60Hz-20kHz  
2×8"(200mm)/2"voice coil LF  
1×1.4"(36mm)/3"voice coil HF  
300W/8Ω+600W/8Ω  
--  
123dB continuous,129dB peak  
--

Horizontal coverage:100°,  
Vertical coverage:varies,depending on  
array length and configuration  
--  
INPUT TYPE: Balanced Differential line  
505mm×362mm×730mm

22 kg/pc  
26 kg/pc



## MAseries MLA118B MAseries MLA118BASII

Line Array System

### FEATURES

- High quality plywood with polyurea waterproof paint
- Direct radiating design
- High temperature 4"(100mm) voice coil



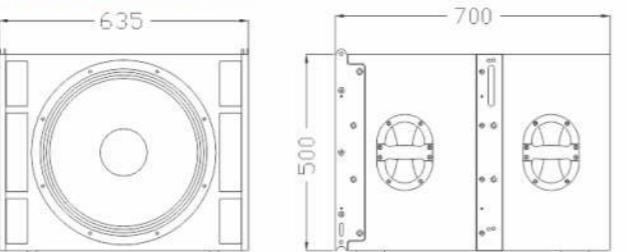
### 系统特征

- 高质量单元配置，高强度夹板箱体
- 直射式设计，低音丰富自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 配合MLA208线性阵列系统，增加低音表现
- 体育馆、中小型演出
- 剧院、音乐厅、演艺中心、会议中心

### CONFIGURATION



|                          |                              |
|--------------------------|------------------------------|
| MODEL                    | MLA118B                      |
| FREQUENCY RESPONSE(-3dB) | 35Hz-300Hz                   |
| DRIVERS                  | 1×18"(460mm)/4"voice coil LF |
| RATED POWER              | 600W RMS,2400W peak          |
| SENSITIVITY              | 99dB 1watt/1meter            |
| MAXIMUM SPL              | 127dB continuous,133dB peak  |
| IMPEDANCE                | 8 ohms nominal               |
| INPUT CONNECTORS         | 2× Speakon NL4               |
| PACKAGE SIZE             | 790mm×725mm×595mm            |
| NET WEIGHT               | 45 kg/pc                     |
| GROSS WEIGHT             | 50 kg/pc                     |

|                          |                                       |
|--------------------------|---------------------------------------|
| MODEL                    | MLA118BASII                           |
| FREQUENCY RESPONSE(-3dB) | 35Hz-300Hz and 50Hz-20kHz             |
| DRIVERS                  | 1×18"(460mm)/4"voice coil LF          |
| RATED POWER              | 900W/4Ω+1200W/4Ω                      |
| SENSITIVITY              | --                                    |
| MAXIMUM SPL              | 127dB continuous,133dB peak           |
| IMPEDANCE                | --                                    |
| INPUT CONNECTORS         | INPUT TYPE:Balanced Differential line |
| PACKAGE SIZE             | 790mm×725mm×595mm                     |
| NET WEIGHT               | 47 kg/pc                              |
| GROSS WEIGHT             | 52 kg/pc                              |

**MAseries**  
LINE ARRAY SYSTEM





## MAseries MLA110

Line Array System

### FEATURES

- High quality plywood with polyurea waterproof paint
- High quality neodymium components
- Patent line array horn
- Small cabinet with light weight, but with high SPL
- Passive or Bi-amp operation
- Convenient for hanging and stacking
- Good used for moving performance, small scale theater and band

### 产品特征

- 高质量单元配置，专利线性号角：高保真音质，投射精确
- 内、外置分频选择，操作简便灵活又可最大发挥使用者的技术优势
- 方便简捷的吊挂方式：可吊挂，可堆码，可支撑，安装快捷、灵活
- 超长品质保证期：品质与信心的保证

### 适用范围

- 中小型流动演出
- 多功能厅、酒店会所

#### MODEL

FREQUENCY RESPONSE(-3dB)  
FREQUENCY RESPONSE(-10dB)

#### DRIVERS

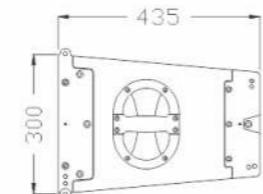
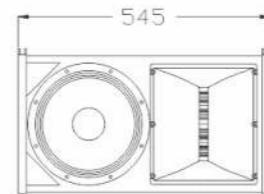
RATED POWER  
SENSITIVITY  
MAXIMUM SPL  
IMPEDANCE  
DISPERSION(-6dB)

CROSSOVER FREQUENCIES  
INPUT CONNECTORS  
PACKAGE SIZE  
NET WEIGHT  
GROSS WEIGHT

The **MLA110** is a small and medium scale line array loudspeaker for long throw distance scale sound reinforcement, fitted with one 10" neodymium LF driver and one 1.4" neodymium HF driver coupled to a patent line array horn, made of high quality plywood with polyurea waterproof paint. All rigging parts are made of aluminium alloy.

MLA110是一款中小型、高精度线性阵列扬声器系统，它具有较小的体积和较轻重量，却有较大的声压级，应用低失真中低音单元及专利线性号角，能真实还原规定范围内音频信号。吊挂系统全部采用铝合金材质，人性化设计使整个系统安装快捷及保证安全。单元配置：一只10"高效率强磁中低音单元，一只专利声透镜号角配置一只1.4"喉口75芯强磁高音驱动器；箱体采用多层复合夹板，聚脲喷涂制作。

### CONFIGURATION



## MAseries MLA112

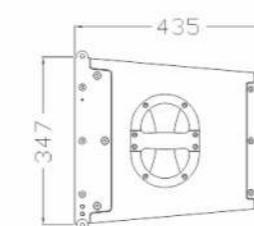
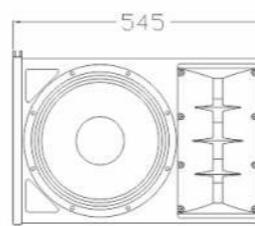
Line Array System



The **MLA112** is a small and medium scale line array loudspeaker for long throw distance scale sound reinforcement, fitted with one 12" neodymium LF driver and two 1" neodymium HF driver coupled to a patent line array horn, made of high quality plywood with polyurea waterproof paint. All rigging parts are made of aluminium alloy.

MLA112是一款中型、高精度线性阵列扬声器系统，它具有较小的体积和较轻重量，却有较大的声压级，应用低失真中低音单元及线性号角，能忠实还原规定范围内音频信号。吊挂系统采用铝合金材质，安装快捷及保证安全。一只12"高效率强磁中低音单元，一只声透镜号角配置两只1"喉口44芯强磁高音驱动器；箱体采用多层复合夹板，聚脲喷涂。

### CONFIGURATION



#### MODEL

FREQUENCY RESPONSE(-3dB)  
FREQUENCY RESPONSE(-10dB)

#### DRIVERS

RATED POWER  
SENSITIVITY  
MAXIMUM SPL  
IMPEDANCE  
DISPERSION(-6dB)

CROSSOVER FREQUENCIES  
INPUT CONNECTORS  
PACKAGE SIZE  
NET WEIGHT  
GROSS WEIGHT

### FEATURES

- High quality plywood with polyurea waterproof paint
- High quality neodymium components
- Patent line array horn
- Small cabinet with light weight, but with high SPL
- Passive or Bi-amp operation
- Convenient for hanging tripod and stacking
- Good used for moving performance, small scale theater, stadium and odeums.

### 产品特征

- 高质量单元配置，专利线性号角：高保真音质，投射精确
- 内、外置分频选择，操作简便灵活又可最大发挥使用者的技术优势
- 方便简捷的吊挂方式：可吊挂，可堆码，可支撑，安装快捷、灵活
- 超长品质保证期：品质与信心的保证

### 适用范围

- 中小型流动演出
- 多功能厅、酒店会所

#### MODEL

FREQUENCY RESPONSE(-3dB)  
FREQUENCY RESPONSE(-10dB)

#### DRIVERS

RATED POWER  
SENSITIVITY  
MAXIMUM SPL  
IMPEDANCE  
DISPERSION(-6dB)

CROSSOVER FREQUENCIES  
INPUT CONNECTORS  
PACKAGE SIZE  
NET WEIGHT  
GROSS WEIGHT



## MAseries **MLA118W** MAseries **MLA118WASII**

Line Array System

### FEATURES

- High quality plywood with polyurea waterproof paint
- Direct radiating design
- High temperature 4" (100mm) voice coil

### 系统特征

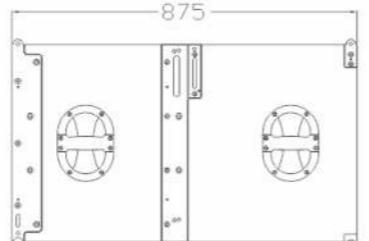
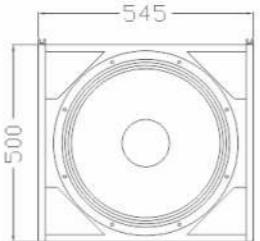
- 高质量单元配置，高强度夹板箱体
- 直射式设计，低音丰富自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 配合MLA110或MLA112线性阵列系统，增加低音表现
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声



### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

DRIVERS

RATED POWER

SENSITIVITY

MAXIMUM SPL

IMPEDANCE

INPUT CONNECTORS

PACKAGE SIZE

NET WEIGHT

GROSS WEIGHT

### MLA118W

35Hz-300Hz

1×18"(460mm)/4"voice coil LF

600W RMS,2400W peak

99dB 1watt/1meter

127dB continuous,133dB peak

8 ohms nominal

2× Speakon NL4

965mm×635mm×595mm

43 kg/pc

48 kg/pc

### MLA118WASII

35Hz-300Hz and 50Hz-20kHz

1×18"(460mm)/4"voice coil LF

900W/4Ω+1200W/4Ω

--

127dB continuous,133dB peak

--

INPUT TYPE:Balanced Differential line

965mm×635mm×595mm

45 kg/pc

50 kg/pc





## MLA210 MAseries MLA210DA

Line Array System

### FEATURES

- High quality plywood with polyurea waterproof paint
- High quality neodymium components
- Patent line array horn
- Small cabinet with light weight, but with high SPL
- Passive or Bi-amp operation
- Convenient for hanging and stacking
- Good used for stadiums,big scale performance,conference centers and odeums.

### 系统特征

- 高质量单元配置，专利线性号角：高保真音质，投射精确
- 内、外置分频选择，操作简便灵活又可最大发挥使用者的技术优势
- 方便简捷的吊挂方式：可吊挂可堆码，安装快捷、灵活
- 超长品质保证期：品质与信心的保证

### 适用范围

- 体育场、大型演出
- 剧院、音乐厅、演艺中心、会议中心

#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

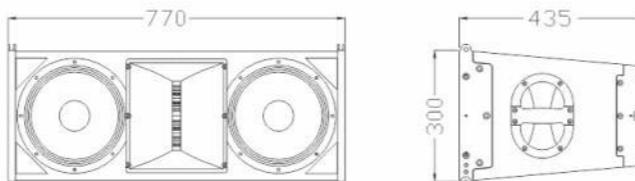
#### GROSS WEIGHT

The **MLA210** is a 2.5-way medium scale line array loudspeaker for long throw distance scale sound reinforcement, fitted with two 10" neodymium LF driver and one 1.4" neodymium HF driver coupled to a patent line array horn, made of high quality plywood with polyurea waterproof paint. All rigging parts are made of aluminium alloy. The **MLA210DA** is equipped with FA2.38 digital amplifier module based on **MLA210** to be an active line array loudspeaker.

**MLA210** 是一款中型、高精度线性阵列扬声器系统，它具有较小的体积和较轻重量，却有较大的声压级，应用低失真中低音单元及专利线性号角，能忠实还原规定范围内音频信号。吊挂系统采用铝合金材质，安装快捷及保证安全。单元配置：两只10"高效率强磁中低音单元，一只专利声透镜号角配置一只1.4"喉口75芯强磁高音驱动器；箱体采用多层复合夹板，聚脲喷涂。**MLA210DA** 是在**MLA210**基础上配置FA2.38功放组件成为有源音箱。



### CONFIGURATION



## MLA215B MAseries MLA215BA

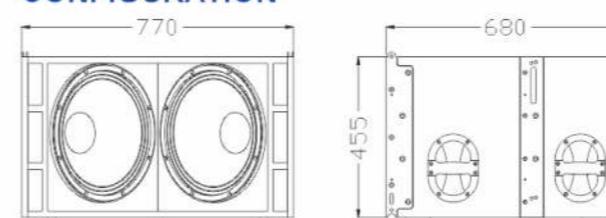
Line Array System

The **MLA215B** is a dual 15" low frequency enclosure designed for sub-bass reinforcement to **MLA210**, made of high quality plywood with polyurea waterproof paint. All rigging parts are made of aluminium alloy. The **MLA215BA** is equipped with BA2.88 digital amplifier module based on **MLA215B** to be an active subwoofer.

**MLA215B** 是一款双15"超低音箱。采用两只15" 100芯低音单元，号角式结构设计，吊挂系统采用铝合金材质，与**MLA210**配合，可吊挂、可堆码，以提升系统低频表现，箱体采用多层复合夹板，聚脲喷涂。**MLA215BA**是在**MLA215B**的基础上配置BA2.88功放组件成为有源音箱，与**MLA210DA**配合使用。



### CONFIGURATION



### FEATURES

- High quality plywood with polyurea waterproof paint
- Bass reflex and horn-loaded design
- High SPL
- Good used for moving performance, small scale theater and band

### 系统特征

- 高质量单元配置，高强度夹板箱体
- 推挽式设计，低音丰富自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 配合**MLA210**线性阵列系统，增加低音表现
- 体育场、大型演出
- 剧院、音乐厅、演艺中心、会议中心

#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT



**MAseries**  
LINE ARRAY SYSTEM

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pro audio

## MLA212 MAseries MLA212DA Line Array System

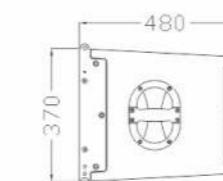
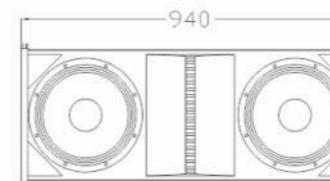


The **MLA212** is a 2.5-way line array loudspeaker for long throw distance scale sound reinforcement, fitted with two 12" neodymium LF driver and two 1.4" neodymium HF driver, made of high quality plywood with polyurea waterproof paint. All rigging parts are made of aluminium alloy. The **MLA212DA** is equipped with FA2.38 digital amplifier module based on **MLA212** to be an active line array loudspeaker.

**MLA212** 是一款大型、设计结构精巧的线性阵列扬声器系统，它具有极大的动态容量，吊挂系统采用铝合金材质，安装快捷及保证安全。2只12"强磁大功率低音单元，2只1.4"喉口75芯强磁高音驱动器，箱体采用多层复合夹板，聚脲喷涂。**MLA212DA**是在**MLA212**的基础上配置FA2.38功放组件成为有源音箱。



### CONFIGURATION



**MODEL**  
**FREQUENCY RESPONSE(-3dB)**  
**FREQUENCY RESPONSE(-10dB)**  
**DRIVERS**

**RATED POWER**  
**SENSITIVITY**  
**MAXIMUM SPL**  
**IMPEDANCE**  
**DISPERSION(-6dB)**

**CROSSOVER FREQUENCIES**  
**INPUT CONNECTORS**  
**PACKAGE SIZE**  
**NET WEIGHT**  
**GROSS WEIGHT**

**MLA212**  
50Hz-18kHz  
45Hz-20kHz  
2×12"(300mm)/3"voice coil LF  
2×1.4"(36mm)/3"voice coil HF  
800W RMS,3200W peak  
101dB 1watt/1meter  
130dB continuous,136dB peak  
8 ohms nominal  
Horizontal coverage:100°,  
Vertical coverage:varies,depending on  
array length and configuration  
400Hz,1.3kHz passive  
2×Speakon NL4

570mm×480mm×1055mm  
41 kg/pc  
47 kg/pc

**MLA212DA**  
50Hz-18kHz  
45Hz-20kHz  
2×12"(300mm)/3"voice coil LF  
2×1.4"(36mm)/3"voice coil HF  
300W/8Ω+1200W/4Ω  
--  
130dB continuous,136dB peak  
--

Horizontal coverage:100°,  
Vertical coverage:varies,depending on  
array length and configuration  
--  
**INPUT TYPE:**Balanced Differential line  
570mm×480mm×1055mm  
43 kg/pc  
49 kg/pc

[www.fdbaudio.com](http://www.fdbaudio.com)



## MAseries **MLA218S** **MLA218SA**

Line Array System

### FEATURES

- High quality plywood with polyurea paint
- Bass reflex and horn-loaded design
- Compact vented sub-bass
- Good used for stadiums, big scale performance, conference centers and odeums

### 产品特征

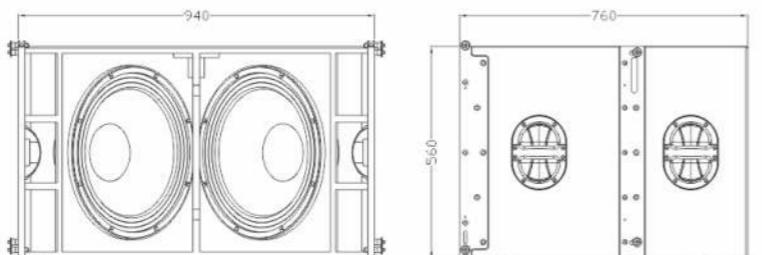
- 高质量单元配置，高强度夹板箱体
- 综合式设计，低音丰富自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 配合MLA212线性阵列扬声器系统，增加低音表现
- 大型演出、体育场馆
- 流动演出、乐队扩声、剧院、音乐厅演艺中心



### CONFIGURATION



### MODEL

MLA218S

FREQUENCY RESPONSE(-3dB) 35Hz-150Hz

### DRIVERS

2×18"(460mm)/4"voice coil LF

RATED POWER 1200W RMS,4800W peak

SENSITIVITY 103dB 1 watt/1meter

MAXIMUM SPL 134dB continuous,140dB peak

IMPEDANCE 4 ohms nominal

INPUT CONNECTORS 2× Speakon NL4

PACKAGE SIZE 1030mm×850mm×655mm

NET WEIGHT 77 kg/pc

GROSS WEIGHT 87 kg/pc

### MLA218SA

FREQUENCY RESPONSE(35Hz-150Hz)

DRIVERS 2×18"(460mm)/4"voice coil LF

RATED POWER 1200W/4Ω+1200W/4Ω

SENSITIVITY --

MAXIMUM SPL 134dB continuous,140dB peak

IMPEDANCE --

INPUT CONNECTORS INPUT TYPE:Balanced Differential line

PACKAGE SIZE 1030mm×850mm×655mm

NET WEIGHT 80 kg/pc

GROSS WEIGHT 99 kg/pc

**MAseries**  
LINE ARRAY SYSTEM







## MAseries **MLA121B** **MLA121BA**

Line Array System

### FEATURES

- High quality plywood with polyurea waterproof paint
- Bass-reflex design
- Support pole mounting
- Used for sub-bass reinforcement

### 产品特征

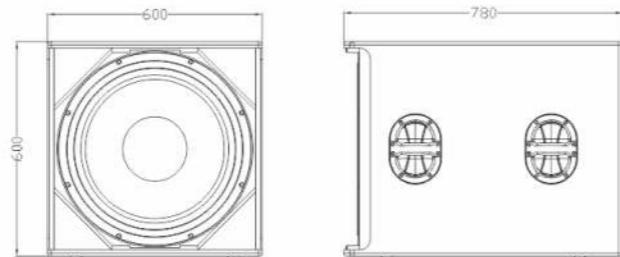
- 高质量单元配置，高强度夹板箱体
- 综合式设计，低音丰富自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 配合MLA、NX系列线性阵列扬声器系统，增加低音表现
- 大型演出、体育场馆
- 流动演出、乐队扩声、剧院、音乐厅演艺中心



### CONFIGURATION



|                                 |                                |
|---------------------------------|--------------------------------|
| <b>MODEL</b>                    | MLA121B                        |
| <b>FREQUENCY RESPONSE(-3dB)</b> | 35Hz-300Hz                     |
| <b>DRIVERS</b>                  | 1×21"(530mm)/4.5"voice coil LF |
| <b>RATED POWER</b>              | 800W RMS,3200W peak            |
| <b>SENSITIVITY</b>              | 100dB 1 watt/1meter            |
| <b>MAXIMUM SPL</b>              | 129dB continuous,135dB peak    |
| <b>IMPEDANCE</b>                | 4 ohms nominal                 |
| <b>INPUT CONNECTORS</b>         | 2× Speakon NL4                 |
| <b>PACKAGE SIZE</b>             | 870mm×690mm×695mm              |
| <b>NET WEIGHT</b>               | 55 kg/pc                       |
| <b>GROSS WEIGHT</b>             | 61 kg/pc                       |

|                                 |                                |
|---------------------------------|--------------------------------|
| <b>MODEL</b>                    | MLA121BA                       |
| <b>FREQUENCY RESPONSE(-3dB)</b> | 35Hz-300Hz                     |
| <b>DRIVERS</b>                  | 1×21"(530mm)/4.5"voice coil LF |
| <b>RATED POWER</b>              | 1800W/4Ω                       |
| <b>SENSITIVITY</b>              | --                             |
| <b>MAXIMUM SPL</b>              | 129dB continuous,135dB peak    |
| <b>IMPEDANCE</b>                | --                             |
| <b>INPUT CONNECTORS</b>         | Balanced Differential line     |
| <b>PACKAGE SIZE</b>             | 870mm×690mm×695mm              |
| <b>NET WEIGHT</b>               | 58 kg/pc                       |
| <b>GROSS WEIGHT</b>             | 64 kg/pc                       |



## MAseries **MLA221B** **MLA221BA**

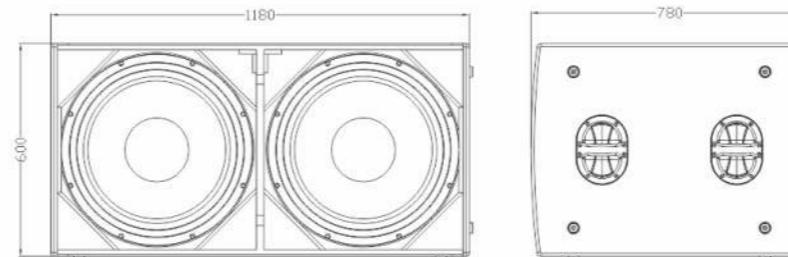
Line Array System

### FEATURES

- High quality plywood with polyurea waterproof paint
- Bass-reflex design
- Support pole mounting
- Used for sub-bass reinforcement



### CONFIGURATION



### 产品特征

- 高质量单元配置，高强度夹板箱体
- 综合式设计，低音丰富自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 配合MLA、NX系列线性阵列扬声器系统，增加低音表现
- 大型演出、体育场馆
- 流动演出、乐队扩声、剧院、音乐厅演艺中心

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>MODEL</b>                    | MLA221B                         |
| <b>FREQUENCY RESPONSE(-3dB)</b> | 35Hz-300Hz                      |
| <b>DRIVERS</b>                  | 2×21"(530mm)/4.5"voice coil LF  |
| <b>RATED POWER</b>              | 800W+800W RMS, 3200W+3200W peak |
| <b>SENSITIVITY</b>              | 103dB 1 watt/1meter             |
| <b>MAXIMUM SPL</b>              | 135dB continuous,141dB peak     |
| <b>IMPEDANCE</b>                | 4 ohms +4 ohms nominal          |
| <b>INPUT CONNECTORS</b>         | 2× Speakon NL4                  |
| <b>PACKAGE SIZE</b>             | 1275mm×870mm×695mm              |
| <b>NET WEIGHT</b>               | 104 kg/pc                       |
| <b>GROSS WEIGHT</b>             | 112 kg/pc                       |

|                                 |                                |
|---------------------------------|--------------------------------|
| <b>MODEL</b>                    | MLA221BA                       |
| <b>FREQUENCY RESPONSE(-3dB)</b> | 35Hz-300Hz                     |
| <b>DRIVERS</b>                  | 2×21"(530mm)/4.5"voice coil LF |
| <b>RATED POWER</b>              | 1800W/4Ω+1800W/4Ω              |
| <b>SENSITIVITY</b>              | --                             |
| <b>MAXIMUM SPL</b>              | 135dB continuous,141dB peak    |
| <b>IMPEDANCE</b>                | --                             |
| <b>INPUT CONNECTORS</b>         | Balanced Differential line     |
| <b>PACKAGE SIZE</b>             | 1275mm×870mm×695mm             |
| <b>NET WEIGHT</b>               | 109 kg/pc                      |
| <b>GROSS WEIGHT</b>             | 117 kg/pc                      |

# MR series

MR 系列监听音箱

## MR12CN MRseries MR12CNA

Two-way Loudspeaker System

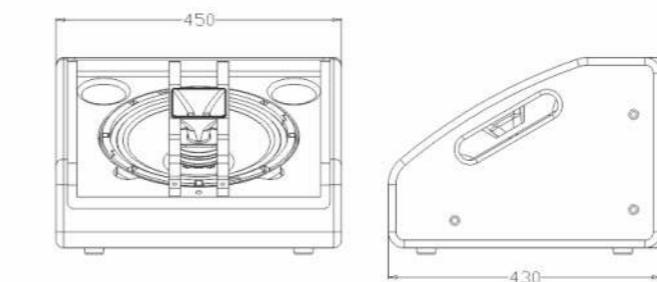


The MR12CN is a high precision and high power stage monitor, made of high quality plywood with polyurea paint. It offers a "studio monitoring" type of response, exceptional dynamic capability and very low distortion. Fitted with one 12" neodymium woofer and one 1" exit neodymium compression driver coupled to a patent 70° x 40° horn. MR12CNA is equipped with FA1.6 digital amplifier module based on MR12CN to be an active monitor.

MR12CN 是一款12寸同轴两分音全音域舞台监听音箱，采用一只12寸高效率强磁中低音单元和一只1寸喉口44芯强磁驱动器，配置专门设计的70° × 40° 号角。箱体采用多层复合夹板，聚脲喷涂制作。MR12CNA是在MR12CN的基础上配置FA1.6功放组件成为有源音箱。



### CONFIGURATION



|                                  |            |
|----------------------------------|------------|
| <b>MODEL</b>                     | MR12CN     |
| <b>FREQUENCY RESPONSE(-3dB)</b>  | 75Hz-18kHz |
| <b>FREQUENCY RESPONSE(-10dB)</b> | 70Hz-20kHz |

|                    |  |
|--------------------|--|
| <b>DRIVERS</b>     | 1×12"(300mm)/3"voice coil LF<br>1×1"(25mm)/1.7"voice coil HF |
| <b>RATED POWER</b> | 300W RMS,1200W peak  |

|                    |                             |
|--------------------|-----------------------------|
| <b>SENSITIVITY</b> | 97dB 1watt/1 metre          |
| <b>MAXIMUM SPL</b> | 122dB continuous,128dB peak |

|                         |                |
|-------------------------|----------------|
| <b>IMPEDANCE</b>        | 8 ohms nominal |
| <b>DISPERSION(-6dB)</b> | 70°×40°        |

|                              |                |
|------------------------------|----------------|
| <b>CROSSOVER FREQUENCIES</b> | 2.3kHz passive |
| <b>INPUT CONNECTORS</b>      | 2× Speakon NL4 |

|                     |                   |
|---------------------|-------------------|
| <b>PACKAGE SIZE</b> | 520mm×390mm×545mm |
| <b>NET WEIGHT</b>   | 18 kg/pc          |

|                     |          |
|---------------------|----------|
| <b>GROSS WEIGHT</b> | 21 kg/pc |
|---------------------|----------|

### FEATURES

- High quality plywood with polyurea waterproof paint
- Neodymium HF driver and LF driver
- Patent 70° × 40° horn

### 产品特征

- 高质量单元配置，高强度夹板箱体
- 超长品质保证期：品质与信心的保证

### 适用范围

- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

|                |  |
|----------------|--|
| <b>MR12CNA</b> | 75Hz-18kHz<br>70Hz-20kHz<br>1×12"(300mm)/3"voice coil LF<br>1×1"(25mm) / 1.7"voice coil HF<br>600W/8Ω<br>--<br>122dB continuous,128dB peak<br>--<br>70° × 40°<br>--<br>INPUT TYPE: Balanced Differential line<br>520mm×390mm×545mm<br>20 kg/pc<br>23 kg/pc |
|----------------|--|



## MRseries MR15CNA

Two-way Loudspeaker System

### FEATURES

- High quality plywood with polyurea waterproof paint
- Neodymium HF driver and LF driver
- Patent 70° x 40° horn

### 产品特征

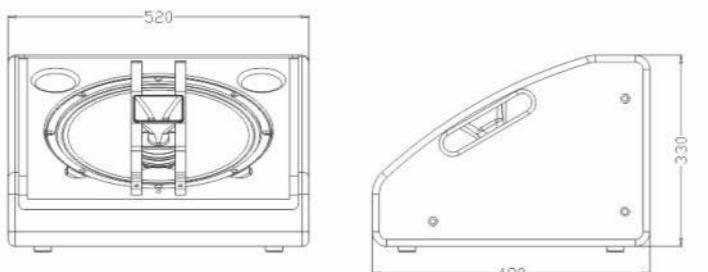
- 高质量单元配置，高强度夹板箱体
- 超长品质保证期：品质与信心的保证

### 适用范围

- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱



### CONFIGURATION



|                           |  |
|---------------------------|--|
| MODEL                     | MR15CN   |
| FREQUENCY RESPONSE(-3dB)  | 70Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 65Hz-20kHz   |
| DRIVERS                   | 1×15"(385mm)/3"voice coil LF<br>1×1"(25mm)/1.7"voice coil HF |
| RATED POWER               | 400W RMS,1600W peak  |
| SENSITIVITY               | 97dB 1watt/1 metre   |
| MAXIMUM SPL               | 124dB continuous,130dB peak                                  |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 70°× 40°   |
| CROSSOVER FREQUENCIES     | 2.2kHz passive   |
| INPUT CONNECTORS          | 2× Speakon NL4   |
| PACKAGE SIZE              | 590mm×440mm×635mm  |
| NET WEIGHT                | 20 kg/pc   |
| GROSS WEIGHT              | 24 kg/pc   |

|                           |  |
|---------------------------|--|
| MODEL                     | MR15CNA  |
| FREQUENCY RESPONSE(-3dB)  | 70Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 65Hz-20kHz   |
| DRIVERS                   | 1×15"(385mm)/3"voice coil LF<br>1×1"(25mm) / 1.7"voice coil HF |
| RATED POWER               | 600W/8Ω  |
| SENSITIVITY               | --   |
| MAXIMUM SPL               | 124dB continuous,130dB peak                                    |
| IMPEDANCE                 | --   |
| DISPERSION(-6dB)          | 70°× 40°   |
| CROSSOVER FREQUENCIES     | --   |
| INPUT CONNECTORS          | Balanced Differential line                                     |
| PACKAGE SIZE              | 590mm×440mm×635mm  |
| NET WEIGHT                | 22 kg/pc   |
| GROSS WEIGHT              | 26 kg/pc   |

## MRseries MR12N

Two-way Loudspeaker System



### FEATURES

- High quality plywood with polyurea waterproof paint
- Neodymium coaxial component
- Compact two-way passive system
- Patent 90° x 40° horn

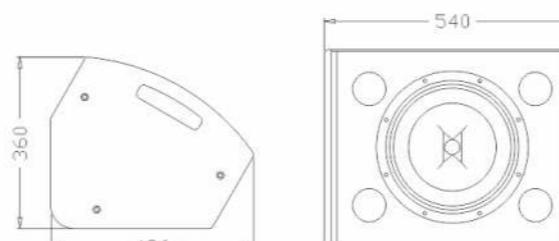
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 多角度设计适合不同舞台
- 超长品质保证期：品质与信心的保证

### 适用范围

- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### CONFIGURATION



|                           |  |
|---------------------------|--|
| MODEL                     | MR12N  |
| FREQUENCY RESPONSE(-3dB)  | 55 Hz-18kHz  |
| FREQUENCY RESPONSE(-10dB) | 50 Hz-20kHz  |
| DRIVERS                   | 1×12"(300mm)/3"voice coil LF<br>1×1.4"(36mm)/3"voice coil HF |
| RATED POWER               | 300W RMS,1200W peak  |
| SENSITIVITY               | 97dB 1watt/1 metre   |
| MAXIMUM SPL               | 122dB continuous,128dB peak                                  |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 90°×40°  |
| CROSSOVER FREQUENCIES     | 1.5kHz passive   |
| INPUT CONNECTORS          | 2× Speakon NL4   |
| PACKAGE SIZE              | 495mm×465mm×643mm  |
| NET WEIGHT                | 17 kg/pc   |
| GROSS WEIGHT              | 20 kg/pc   |



## MRseries MR15N

Two-way Loudspeaker System

### FEATURES

- High quality plywood with polyurea waterproof paint
- Neodymium coaxial component
- Compact two-way passive system
- Patent 90° × 40° horn

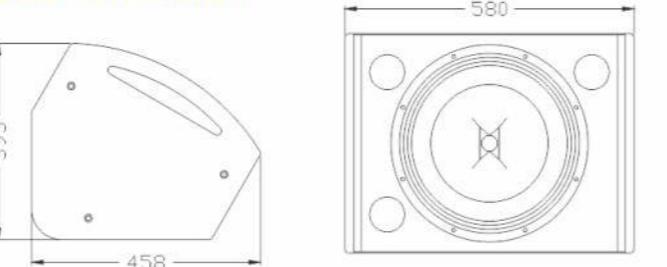
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 多角度设计适合不同舞台
- 超长品质保证期：品质与信心的保证

### 适用范围

- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)  
FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### MR15N

50 Hz-18kHz  
45 Hz-20kHz

1×15"(385mm)/3"voice coil LF  
1×1.4"(36mm)/3"voice coil HF

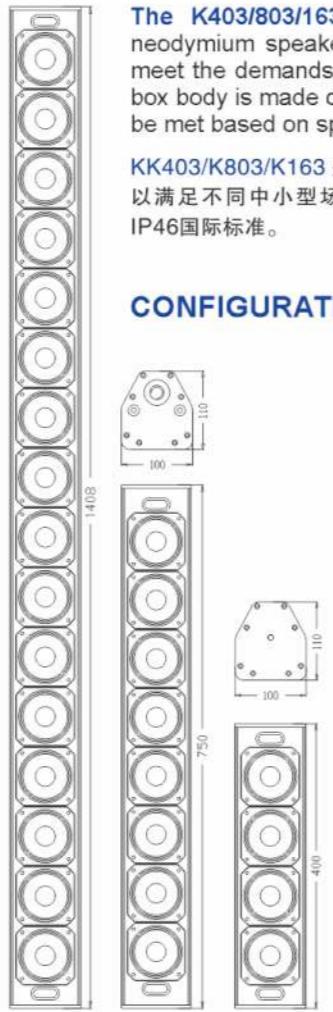
400W RMS,1600W peak

98dB 1watt/1 metre



## Kseries K403 K803 K163

### Mid / High Unit System



#### CONFIGURATION

#### FEATURES

- Light weight aluminium alloy enclosure
- Multi combinations and installation ways
- Used for moving performance, church and multi-purpose hall

#### 产品特征

- 高质量单元配置，铝合金箱体
- 多种安装方式，操作简易快捷
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 会议室、多功能厅、教堂、小型流动商演

The K403/803/163 is a series product, using the high quality 3" neodymium speaker units skillfully assembled into column speakers to meet the demands of different small and medium-scaled places, and the box body is made of aluminium alloy. The IP46 international standard can be met based on special request.

KK403/K803/K163 是一个系列产品，利用优质3"喇叭单元巧妙组合成的音柱，以满足不同中小型场所使用需求，箱体采用铝合金制作。可应需求做到满足IP46国际标准。

## K306 K506 Kseries K606 K806

### Two-way Loudspeaker System

The K306/506/606/806 are a series of product, using the high quality 6" neodymium LF drivers and neodymium HF drivers coupled to special designed horns assembled into small speakers and column speakers to meet the demands of different small and medium-scaled places, and the box body is made of high quality plywood with polyurea waterproof paint.

K306/K506/K606/K806 是一个系列产品，利用优质6"单元、高品质驱动器及特别设计的号角组合成的音箱和音柱，以满足中小型流动演出和固定位置使用，箱体采用多层复合夹板，聚脲喷涂。



#### CONFIGURATION

#### FEATURES

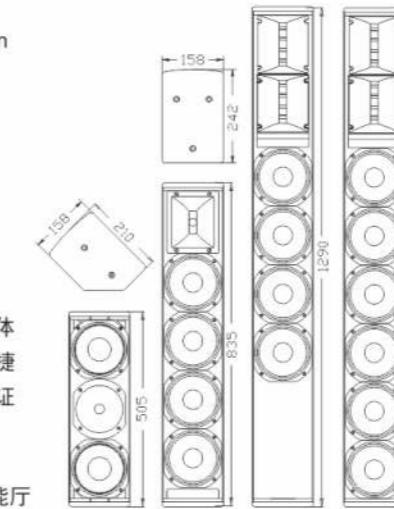
- High quality plywood with polyurea waterproof paint
- Multi combinations and installation ways
- Used for moving performance, church and multi-purpose hall

#### 产品特征

- 高质量单元配置,多层复合夹板箱体
- 多种使用和安装方式,操作简易快捷
- 超长品质保证期:品质与信心的保证

#### 适用范围

- 流动商演、教堂、会议室、多功能厅



| MODEL                    | K403                                | MODEL                    | K803                                | MODEL                    | K163                                 |
|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------------------|
| FREQUENCY RESPONSE(-3dB) | 120Hz-18kHz                         | FREQUENCY RESPONSE(-3dB) | 120Hz-18kHz                         | FREQUENCY RESPONSE(-3dB) | 120Hz-18kHz                          |
| DRIVERS                  | 4×3"(83mm)/0.8"voice coil           | DRIVERS                  | 8×3"(83mm)/0.8"voice coil           | DRIVERS                  | 16×3"(83mm)/0.8"voice coil           |
| RATED POWER              | 100W RMS,400W peak                  | RATED POWER              | 200W RMS,800W peak                  | RATED POWER              | 400W RMS,1600W peak                  |
| SENSITIVITY              | 94dB 1watt/1meter                   | SENSITIVITY              | 97dB 1watt/1meter                   | SENSITIVITY              | 100dB 1watt/1meter                   |
| MAXIMUM SPL              | 114dB continuous                    | MAXIMUM SPL              | 120dB continuous,                   | MAXIMUM SPL              | 126dB continuous                     |
| IMPEDANCE                | 120dB peak                          | IMPEDANCE                | 126dB peak                          | IMPEDANCE                | 132dB peak                           |
| DISPERSION(-6dB)         | 70° horizontal                      | DISPERSION(-6dB)         | 70° horizontal                      | DISPERSION(-6dB)         | 70° horizontal                       |
| INPUT CONNECTORS         | 2×Speakon NL4                       | INPUT CONNECTORS         | 2×Speakon NL4                       | INPUT CONNECTORS         | 2×Speakon NL4                        |
| PACKAGE SIZE             | 285mm×210mm×465mm<br>(1pair/carton) | PACKAGE SIZE             | 840mm×340mm×195mm<br>(1pair/carton) | PACKAGE SIZE             | 1498mm×340mm×195mm<br>(1pair/carton) |
| NET WEIGHT               | 2.7 kg/pc                           | NET WEIGHT               | 4.7 kg/pc                           | NET WEIGHT               | 8.8 kg/pc                            |
| GROSS WEIGHT             | 7 kg/pair                           | GROSS WEIGHT             | 12 kg/pair                          | GROSS WEIGHT             | 21 kg/pair                           |

| MODEL                    | K306                               | MODEL                    | K506                | MODEL                    | K606                     | MODEL                    | K806                     |
|--------------------------|------------------------------------|--------------------------|---------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| FREQUENCY RESPONSE(-3dB) | 80Hz-18kHz                         | FREQUENCY RESPONSE(-3dB) | 80Hz-18kHz          | FREQUENCY RESPONSE(-3dB) | 80Hz-18kHz               | FREQUENCY RESPONSE(-3dB) | 80Hz-18kHz               |
| DRIVERS                  | 75Hz-20kHz                         | DRIVERS                  | 75Hz-20kHz          | DRIVERS                  | 75Hz-20kHz               | DRIVERS                  | 75Hz-20kHz               |
| RATED POWER              | 160W RMS,640W peak                 | RATED POWER              | 320W RMS,1280W peak | RATED POWER              | 320W RMS,1280W peak      | RATED POWER              | 480W RMS,1920W peak      |
| SENSITIVITY              | 95dB 1watt/1meter                  | SENSITIVITY              | 98dB 1watt/1meter   | SENSITIVITY              | 98dB 1watt/1meter        | SENSITIVITY              | 98dB 1watt/1meter        |
| MAXIMUM SPL              | 117dB continuous                   | MAXIMUM SPL              | 123dB continuous    | MAXIMUM SPL              | 123dB continuous         | MAXIMUM SPL              | 123dB continuous         |
| IMPEDANCE                | 123dB peak                         | IMPEDANCE                | 129dB peak          | IMPEDANCE                | 129dB peak               | IMPEDANCE                | 133dB peak               |
| DISPERSION(-6dB)         | 8 ohms nominal                     | DISPERSION(-6dB)         | 8 ohms nominal      | DISPERSION(-6dB)         | 8 ohms nominal           | DISPERSION(-6dB)         | 6 ohms nominal           |
| CROSSOVER                | 100° × 100°                        | CROSSOVER                | 90° × 50°           | CROSSOVER                | 110° × 25°(-17.5°/+7.5°) | CROSSOVER                | 110° × 25°(-17.5°/+7.5°) |
| FREQUENCIES              | 2.6KHz passive                     | FREQUENCIES              | 2.6KHz passive      | FREQUENCIES              | 2.5KHz passive           | FREQUENCIES              | 1.8KHz passive           |
| INPUT CONNECTORS         | 2×Speakon NL4                      | INPUT CONNECTORS         | 2×Speakon NL4       | INPUT CONNECTORS         | 2×Speakon NL4            | INPUT CONNECTORS         | 2×Speakon NL4            |
| PACKAGE SIZE             | 562mm×425mm×307mm<br>(carton/pair) | PACKAGE SIZE             | 935mm×335mm×250mm   | PACKAGE SIZE             | 1285mm×340mm×270mm       | PACKAGE SIZE             | 1285mm×340mm×270mm       |
| NET WEIGHT               | 6 kg/pc                            | NET WEIGHT               | 12 kg/pc            | NET WEIGHT               | 16 kg/pc                 | NET WEIGHT               | 18 kg/pc                 |
| GROSS WEIGHT             | 15 kg/pair                         | GROSS WEIGHT             | 24 kg/pair          | GROSS WEIGHT             | 30 kg/pair               | GROSS WEIGHT             | 36 kg/pair               |

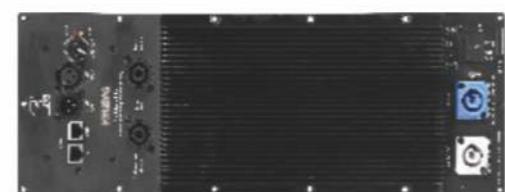


## K112B Kseries K112BAS

### Sub-woofer System

**K112B** is a single 12" subwoofer, using 3" voice coil woofer, made of high quality plywood with polyurea waterproof paint. K112BAS is equipped with digital amplifier module with DSP to be an active system with full range and sub outputs based on K112B.

K112B is a single 12" subwoofer, using 3" voice coil woofer, made of high quality plywood with polyurea waterproof paint. K112BAS is equipped with digital amplifier module with DSP to be an active system with full range and sub outputs based on K112B.



#### FEATURES

- High quality plywood with polyurea waterproof paint
- Bass reflex design
- High temperature 3"(75mm) voice coil
- Top hat fitting for pole mounting to K series
- To match small size K series full range speakers

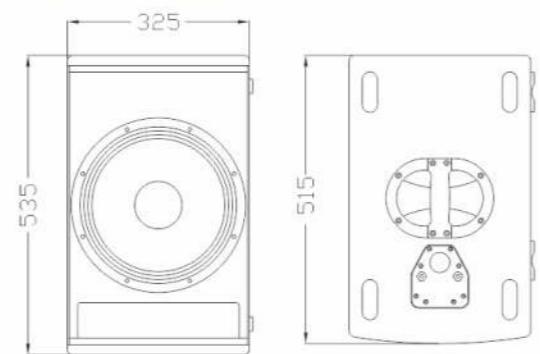
#### 产品特征

- 高质量单元配置，多层复合夹板箱体聚脲喷涂
- 多种安装方式，操作简易快捷
- 开关电源数字功放、内置DSP信号处理
- 具有超低音及全频输出功能
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 流动商演、教堂、会议室、多功能厅
- 配合小型K系列全频使用、提升低频表现

#### CONFIGURATION



#### MODEL

#### FREQUENCY RESPONSE(-3dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### K112B

#### 40Hz-300Hz

#### 1x12"(300mm)/3"voice coil LF

#### 300W RMS,1200W peak

#### 96dB 1watt/1meter

#### 121dB continuous,127dB peak

#### 8 ohms nominal

#### 2xSpeakon NL4

#### 605mm×415mm×632mm

#### 22 kg/pc

#### 26 kg/pc

#### K112BAS

#### 40Hz-300Hz and 50Hz-20kHz

#### 1x12"(300mm)/3"voice coil LF

#### 350W/8Ω+350W/8Ω, 700W/4Ω+700W/4Ω

#### --

#### 121dB continuous,127dB peak

#### --

#### INPUT TYPE: Balanced Differential line

#### 605mm×415mm×632mm

#### 24 kg/pc

#### 28 kg/pc

## K115B Kseries K115BAS

### Sub-woofer System

**K115B** is a single 15" subwoofer, using 4" voice coil woofer, made of high quality plywood with polyurea waterproof paint. K115BAS is equipped with SA2.68 digital amplifier module to be an active system with full range and sub outputs based on K115B.

K115B is a single 15" subwoofer, using 4" voice coil woofer, made of high quality plywood with polyurea waterproof paint. K115BAS is equipped with SA2.68 digital amplifier module to be an active system with full range and sub outputs based on K115B.



#### FEATURES

- High quality plywood with polyurea waterproof paint
- Bass reflex design
- High temperature 4"(100mm) voice coil
- Top hat fitting for pole mounting to K series
- To match K506/K606

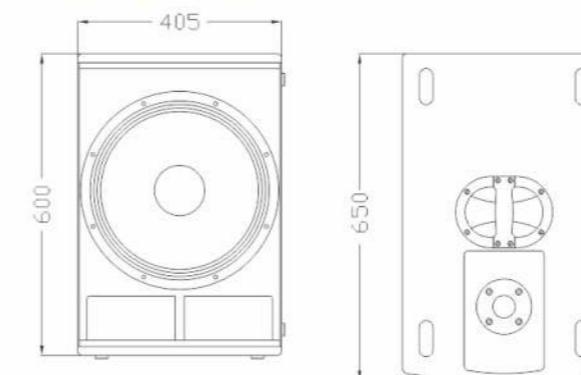
#### 产品特征

- 高质量单元配置，多层复合夹板箱体聚脲喷涂
- 多种安装方式，操作简易快捷
- 开关电源数字功放、内置DSP信号处理
- 具有超低音及全频输出功能
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 流动商演、教堂、会议室、多功能厅
- 配合K506/K606使用，提升低频表现

#### CONFIGURATION



#### MODEL

#### FREQUENCY RESPONSE(-3dB)

#### DRIVERS

#### 1x15"(385mm)/4"voice coil LF

#### 600W RMS,2400W peak

#### 99dB 1watt/1meter

#### 127dB continuous,133dB peak

#### 8 ohms nominal

#### 2xSpeakon NL4

#### 740mm×495mm×695mm

#### 35 kg/pc

#### 39 kg/pc

#### K115BAS

#### 40Hz-300Hz and 50Hz-20kHz

#### 1x15"(385mm)/4"voice coil LF

#### 900W/4Ω+1200W/4Ω

#### --

#### 127dB continuous,133dB peak

#### --

#### INPUT TYPE: Balanced Differential line

#### 740mm×495mm×695mm

#### 37 kg/pc

#### 41 kg/pc



## K118B Kseries K118BAS

### Sub-woofer System

**K118B** is a single 18" subwoofer, using 4" voice coil woofer, made of high quality plywood with polyurea waterproof paint. K118BAS is equipped with SA2.68 digital amplifier module to be an active system with full range and sub outputs based on K118B.

K118B是一款单18"超低音箱，采用一只18" 100芯高效率超低音单元，倒相式箱体设计，箱体采用多层复合夹板，聚脲喷涂。K118BAS是在K118B的基础上配置SA2.68功放组件，形成有源系统，具有全频和超低音输出功能。



#### FEATURES

- High quality plywood with polyurea waterproof paint
- Bass reflex design
- High temperature 4"(100mm) voice coil
- Top hat fitting for pole mounting to K series
- To match K606/K806

#### 产品特征

- 高质量单元配置，多层复合夹板箱体聚脲喷涂
- 多种安装方式，操作简易快捷
- 开关电源数字功放，内置DSP信号处理
- 具有超低音及全频输出功能
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 流动商演、教堂、会议室、多功能厅
- 配合K606/K806使用，提升低频表现

#### MODEL

#### FREQUENCY RESPONSE(-3dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### K118B

35Hz-300Hz

1×18"(460mm)/4"voice coil LF

600W RMS,2400W peak

99dB 1watt/1meter

127dB continuous,133dB peak

8 ohms nominal

2×Speakon NL4

802mm×567mm×789mm

42 kg/pc

47 kg/pc

#### K118BAS

35Hz-300Hz and 50Hz-20kHz

1×18"(460mm)/4"voice coil LF

900W/4Ω+1200W/4Ω

--

127dB continuous,133dB peak

--

INPUT TYPE: Balanced Differential line

802mm×567mm×789mm

44 kg/pc

49 kg/pc

## K312 Kseries K312DA

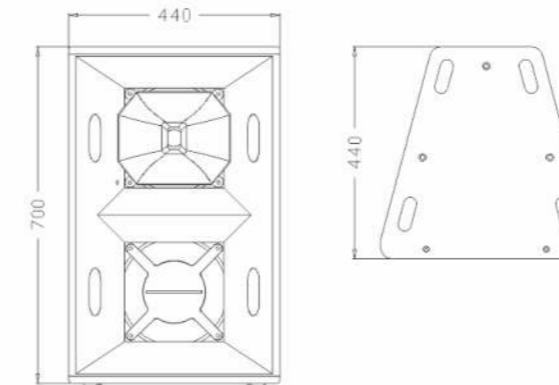
### Two-way Loudspeaker System

The K312 is a dual 12" middle-long throw speaker system with big power and high SPL, fitted with two 12" neodymium woofer and one 1.4" exit neodymium compression driver. All components are designed with horn-loaded and the box body is made of high quality plywood with polyurea waterproof paint. The K312DA is equipped with FA2.38 digital amplifier module to be an active loudspeaker based on K312.

K312是一款双12"大功率，高声压，中远程演出音箱。采用两只12"强磁高效率低音单元，一只1.4"喉口75芯强磁复合振膜高音驱动器，中低音与高音全部采用号角负载设计，箱体采用多层复合夹板，聚脲喷涂。K312DA是在K312的基础上配置FA2.38功放组件成为有源音箱。



#### CONFIGURATION



#### FEATURES

- High quality plywood with polyurea waterproof paint
- Horn-loaded design with high SPL
- Multi-angle hanging points
- Good used for moving performance and theatre.

#### 产品特征

- 高质量单元配置，高强度夹板箱体
- 号角负载设计，高声压输出
- 多吊挂点，操作简易快捷
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 用于中远程扩声
- 流动演出、剧院

#### MODEL

#### FREQUENCY RESPONSE(-3dB)

#### FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### K312

65Hz-18kHz

60Hz-20kHz

2×12"(300mm)/3"voice coil LF

1×1.4"(36mm)/3"voice coil HF

600W RMS,2400W peak

103dB 1watt/1meter

131dB continuous,137dB peak

4 ohms nominal

60°×40°

1.3kHz passive

2×Speakon NL4

530mm×530mm×795mm

32 kg/pc

37 kg/pc

#### K312DA

65Hz-18kHz

60Hz-20kHz

2×12"(300mm)/3"voice coil LF

1×1.4"(36mm)/3"voice coil HF

300W/8Ω+1200W/4Ω

--

131dB continuous,137dB peak

--

60°×40°

--

INPUT TYPE: Balanced Differential line

530mm×530mm×795mm

35 kg/pc

40 kg/pc



## Kseries K215BII K215BAII

### Sub-woofer System

**K215BII** is a dual 15" subwoofer, designed for bass reinforcement to K312 made of high quality plywood with polyurea waterproof paint. K215BAII is equipped with BA2.88 digital amplifier module to be an active subwoofer based on K215BII.

**K215BII** 是一款双15"超低音箱。采用两只15"低音单元，倒相与前置号角结合结构设计，箱体采用多层复合夹板，聚脲喷涂。K215BAII是在K215BII的基础上配置BA2.88功放组件成为有源音箱。



#### FEATURES

- High quality plywood with polyurea waterproof paint
- Bass reflex and horn-loaded design
- Top hat fitting for pole mounting to K series
- To match K312

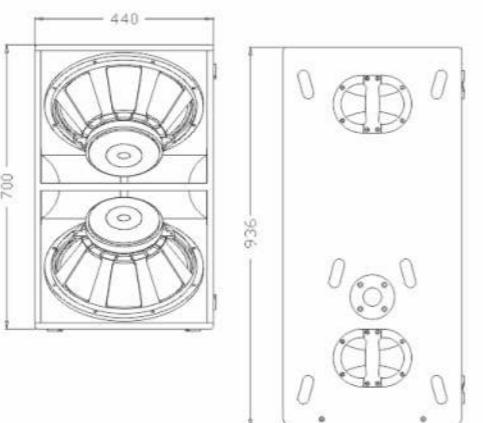
#### 产品特征

- 高质量单元配置，高强度夹板箱体
- 倒相与前置号角结合设计，高声压输出
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 用于中远程扩声
- 流动演出、剧院
- 配合K312使用，提升低频表现

#### CONFIGURATION



#### MODEL

FREQUENCY RESPONSE(-3dB)

K215BII

40Hz-200Hz

#### DRIVERS

2x15"(385mm)/4"voice coil LF

#### RATED POWER

1200W RMS,4800W peak

#### SENSITIVITY

101dB 1watt/1meter

#### MAXIMUM SPL

132dB continuous,138dB peak

#### IMPEDANCE

4 ohms nominal

#### INPUT CONNECTORS

2xSpeakon NL4

#### PACKAGE SIZE

1026mm×532mm×795mm

#### NET WEIGHT

55 kg/pc

#### GROSS WEIGHT

62 kg/pc

#### K215BII

40Hz-200Hz

2x15"(385mm)/4"voice coil LF

1200W/4Ω+1200W/4Ω

--

132dB continuous,138dB peak

--

INPUT TYPE: Balanced Differential line

1026mm×532mm×795mm

57 kg/pc

64 kg/pc





## LHseries LH8

Two-way Loudspeaker System

### FEATURES

- High quality plywood with special environmental protection paint
- Rotatable 90°×50° horn
- Flexible mounting options
- Top hat fitting for tripod
- Light weight, convenient to move and fix installation
- Used for back ground music, clubs and monitor speaker

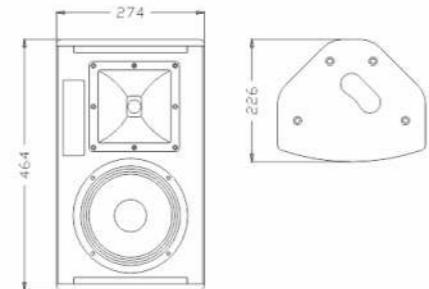
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 体积小、重量轻便于搬运和固定安装
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、语言扩声会议系统
- 背景音乐，酒吧舞厅等也可作为小型舞台返送音箱

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### MODEL

80 Hz-18kHz

75 Hz-20kHz

1×8"(200mm)/2"voice coil LF

1×1"(25mm)/1.7"voice coil HF

150W RMS,600W peak

93dB 1watt/1 metre

115dB continuous,121 dB peak

8 ohms nominal

90°×50°

2.3kHz passive

2× Speakon NL4

350mm×300mm×544mm

8 kg/pc

9 kg/pc

## LHseries LH10

Two-way Loudspeaker System



### FEATURES

- High quality plywood with special environmental protection paint
- Rotatable 90°×50° horn
- Flexible mounting options
- Top hat fitting for tripod
- Light weight, convenient to move and fix installation
- Used for moving performance, multi-purpose hall, conference room, hotel, KTV and band

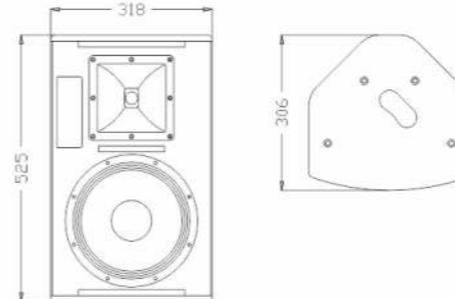
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 体积小、重量轻便于搬运和固定安装
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、语言会议系统、高级卡拉OK包房
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### MODEL

60 Hz-18kHz

55 Hz-20kHz

1×10"(250mm)/3"voice coil LF

1×1"(25mm)/1.7"voice coil HF

250W RMS,1000W peak

96dB 1watt/1 metre

120dB continuous,126 dB peak

8 ohms nominal

90°×50°

2.5kHz passive

2× Speakon NL4

391mm×380mm×605mm

13 kg/pc

14 kg/pc



## LH series LH12

Two-way Loudspeaker System

### FEATURES

- High quality plywood with special environmental protection paint
- Rotatable 90°×40° horn
- Flexible mounting options
- Top hat fitting for tripod
- Light weight, convenient to move and fix installation
- Used for moving performance, multi-purpose hall, conference room, hotel, KTV and band

### 产品特征

- 高质量单元配置，高强度夹板箱体
- 重量轻便于搬运和固定安装
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

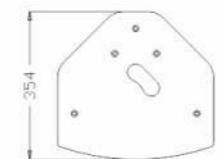
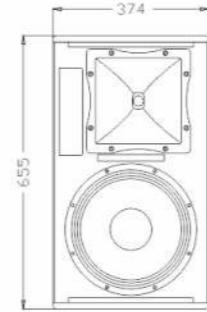
### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### CONFIGURATION



## LH series LH15

Two-way Loudspeaker System



### FEATURES

- High quality plywood with special environmental protection paint
- Rotatable 90°×40° horn
- Flexible mounting options
- Top hat fitting for tripod
- Light weight, convenient to move and fix installation
- Used for moving performance, multi-purpose hall, conference room, hotel, KTV and band

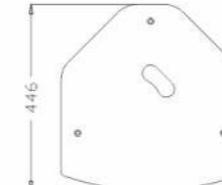
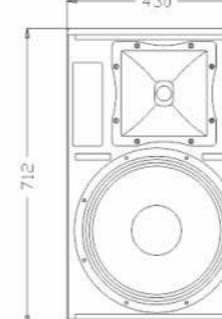
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 重量轻便于搬运和固定安装
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### MODEL

45 Hz-18kHz

40 Hz-20kHz

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT



## LH series LH15H

Two-way Loudspeaker System

### FEATURES

- High quality plywood with special environmental protection paint
- Rotatable 90°×40° horn
- Flexible mounting options
- Top hat fitting for tripod
- Light weight, convenient to move and fix installation
- Used for moving performance, multi-purpose hall, conference room, hotel, KTV and band

### 产品特征

- 高质量单元配置，高强度夹板箱体
- 重量轻便于搬运和固定安装
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

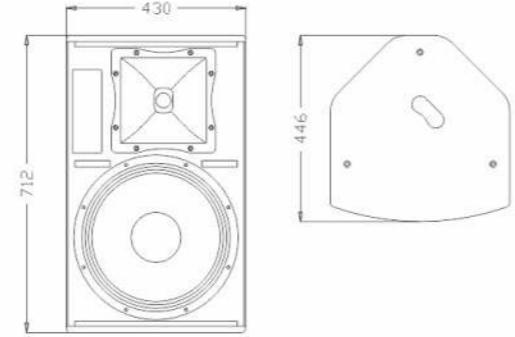
### NET WEIGHT

### GROSS WEIGHT

The LH15H is the ideal general-purpose 2-way loudspeaker with a wide frequency response, suitable for all kinds of mid-field theatre and live venue applications that require professional sound quality, fitted with one 15" neodymium woofer and one 1.4" exit neodymium compression driver coupled to a rotatable horn.

LH15H是一款15"两分音全音域音箱，采用一只15"强磁高效率低音单元，一只1.4"喉口75芯强磁复合钛膜高音驱动器配置90°×40°可旋转号角，箱体采用多层复合夹板，特殊环保喷涂制作。

### CONFIGURATION



## LH series LH215

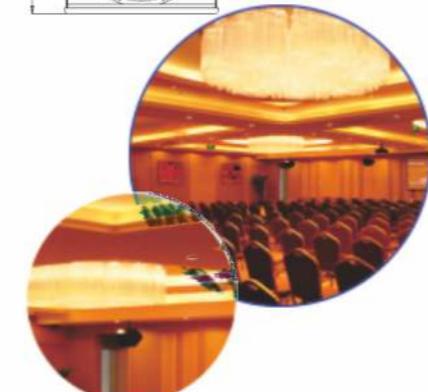
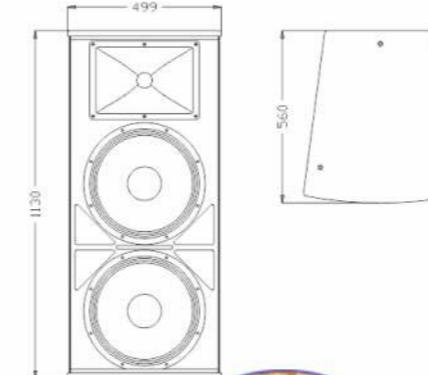
Two-way Loudspeaker System



The LH215 is the ideal general-purpose 2-way loudspeaker with a wide frequency response, suitable for all kinds of mid-field theatre and live venue applications that require professional sound quality, fitted with two 15" neodymium woofers and one 2" exit neodymium compression driver coupled to a special design horn.

LH215是一款双15"两分音全音域音箱。采用两只15"强磁高功率低音单元，一只2"喉口75芯钛膜高音驱动器配置专门设计的号角，箱体采用多层复合夹板，特殊环保喷涂制作。

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### FEATURES

- High quality plywood with special environmental protection paint
- Very high SPL from a full range passive enclosure
- Fiberglass 90°×50° horn
- Dedicated low distortion mid-bass driver
- Used for moving performance, multi-purpose hall and high-end hotel

### 产品特征

- 高质量单元配置，高强度夹板箱体
- 高功率输出，重量轻便于搬运和固定安装
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域室内、外扩声
- 多功能厅、高级酒店会所



## LHseries LH18B

Sub-woofer System

The LH18B is a single 18" low frequency enclosure designed for sub-bass reinforcement to LH compact series in a wide variety of fixed installation, fitted with one 18" neodymium woofer.

### FEATURES

- High quality plywood with special environmental protection paint
- Bandpass sub-bass
- High temperature 4"(100mm) voice coil
- Top hat fitting for pole mounting to LH series

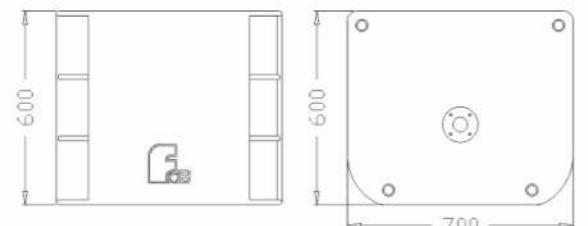
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 带通式设计，低音强劲自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于有超低音重放需求的高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

### DRIVERS

RATED POWER

SENSITIVITY

MAXIMUM SPL

IMPEDANCE

INPUT CONNECTORS

PACKAGE SIZE

NET WEIGHT

GROSS WEIGHT

### LH18B

40 Hz-150Hz

1×18"(460mm)/4"voice coil LF

600W RMS,2400W peak

99dB 1watt/1 metre

127 dB continuous,133 dB peak

8 ohms nominal

2× Speakon NL4

792mm×692mm×697mm

37 kg/pc

43 kg/pc

fdb

# Useries

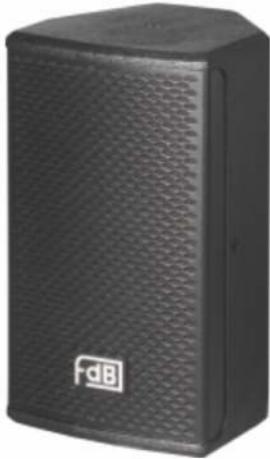
经典系列音箱

fdb

pro audio

[www.fdbaudio.com](http://www.fdbaudio.com)

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## Useries U106V

Two-way Loudspeaker System

The U106V is an all-purpose full-range loudspeaker designed for near-field contracting applications. Rated at 120 watts(RMS), fitted with one 6.5" woofer and one 1" exit compression driver coupled to a wide dispersion HF horn.

U106V是一款6.5"两分音全音域音箱，采用一只6.5"高效率中低音单元，一只1"喉口25芯高分子聚酯膜高音驱动器配置120°恒指向性号角，箱体采用多层复合夹板，水性环保喷涂制作。

### FEATURES

- High quality plywood with special environmental protection paint
- Ultra-compact two way system
- Constant dispersion 120° horn
- Flexible mounting options

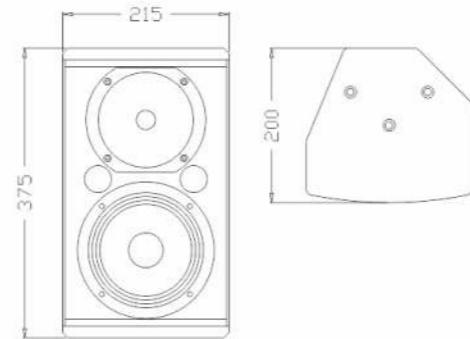
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 体积小、大声压
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、语言扩声会议系统
- 背景音乐，酒吧舞厅等

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

80 Hz-18kHz

FREQUENCY RESPONSE(-10dB)

75 Hz-20kHz

### DRIVERS

RATED POWER

SENSITIVITY

MAXIMUM SPL

IMPEDANCE

DISPERSION(-6dB)

CROSSOVER FREQUENCIES

INPUT CONNECTORS

PACKAGE SIZE

NET WEIGHT

GROSS WEIGHT

### U106V

80 Hz-18kHz

75 Hz-20kHz

1×6.5"(165mm)/2"voice coil LF

1×1"(25mm)/1"voice coil HF

120W RMS,480W peak

90dB 1watt/1 metre

111dB continuous,117dB peak

8 ohms nominal

120°

3.2kHz passive

2×Speakon NL4

510mm×285mm×450mm(carton/pair)

6 kg/pc

15 kg/pair

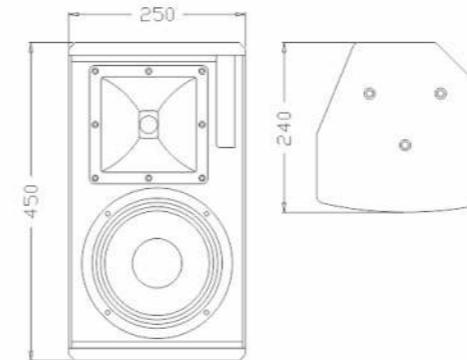
## Useries U108V

### Two-way Loudspeaker System

The U108V is an all-purpose full-range loudspeaker designed for near-field contracting applications. Rated at 150 watts(RMS), fitted with one 8" woofer and one 1" exit compression driver coupled to a wide dispersion HF horn.

U108V是一款8"两分音全音域音箱，采用一只8"高效率中低音单元，一只1"喉口25芯高分子聚酯膜高音驱动器配置90°×50°可旋转号角，箱体采用多层复合夹板，水性环保喷涂制作。

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

60 Hz-18kHz

55 Hz-20kHz

1×8"(200mm)/2"voice coil LF

1×1"(25mm)/1"voice coil HF

150W RMS,600W peak

93dB 1watt/1 metre

115dB continuous,121 dB peak

8 ohms nominal

90°×50°

2.8kHz passive

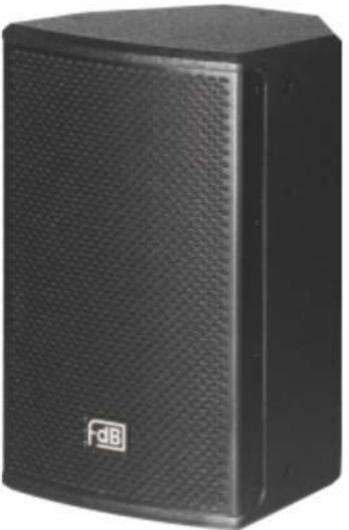
2×Speakon NL4

330mm×320mm×540mm

10 kg/pc

12 kg/pc





## U series U110V

Two-way Loudspeaker System

**The U110V is an all-purpose full-range loudspeaker** designed for near-field contracting applications. Rated at 250 watts(RMS), fitted with one 10" woofer and one 1" exit compression driver coupled to a wide dispersion HF horn.

U110V 是一款10"两分音全音域音箱。采用一只10"高效率中低音单元，一只1"喉口44芯高分子聚酯膜高音驱动器配置90°×50°可旋转号角，箱体采用多层复合夹板，水性环保喷涂制作。

### FEATURES

- High quality plywood with special environmental protection paint
- Ultra-compact two way system
- Rotatable 90°×50° horn
- Mid-high frequency's sensitivity can be adjusted
- High power output
- Flexible mounting options
- Top hat fitting for tripod

### 产品特征

- 中高音灵敏度可调
- 高质量单元配置，高强度夹板箱体
- 体积小、大声压
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、会议系统
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

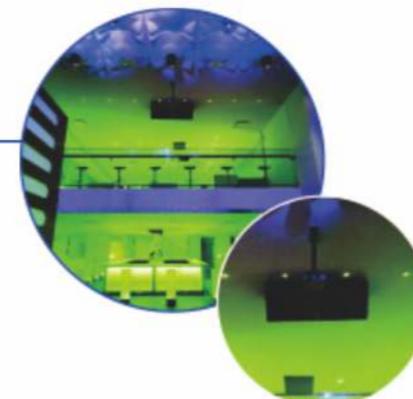
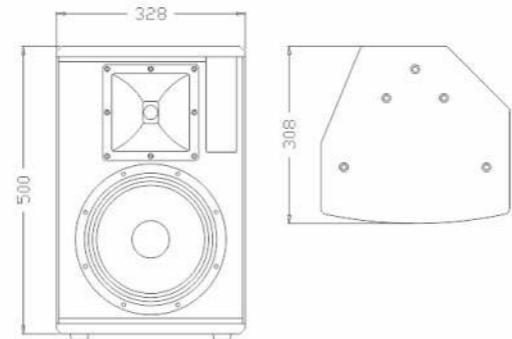
### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### CONFIGURATION



## U series U112V

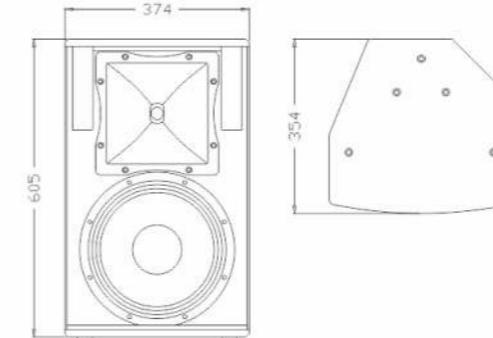
Two-way Loudspeaker System

**The U112V is the ideal general-purpose loudspeaker** with a wide frequency response, suitable for all kinds of mid-field theatre and live venue applications that require professional sound quality.U112VA is equipped with FA1.6 digital amplifier module to be an active loudspeaker based on U112V.

U112V是一款12"两分音全音域音箱。采用一只12"高效率中低音单元，一只1"喉口44芯高分子聚酯膜高音驱动器配置90°×40°可旋转号角，箱体采用多层复合夹板，水性环保喷涂制作。U112VA是在U112V的基础上配置FA1.6功放组件成为有源音箱。



### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

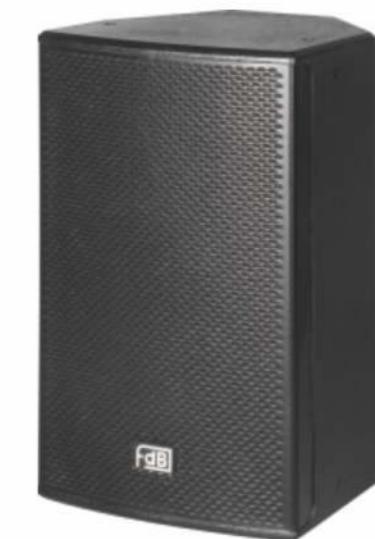
### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT



### FEATURES

- High quality plywood with special environmental protection paint
- Compact two-way passive system
- Mid-high frequency's sensitivity can be adjusted
- Rotatable 90°×40°horn
- Flexible mounting options
- Top hat fitting for tripod

### 产品特征

- 中高音灵敏度可调
- 高质量单元配置，高强度夹板箱体
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT



## Useries U112VH

Two-way Loudspeaker System

**The U112VH is the ideal general-purpose loudspeaker** with a wide frequency response, suitable for all kinds of mid-field theatre and live venue applications that require professional sound quality.

U112VH是一款12"两分音全音域音箱，采用一只12"高效率中低音单元，一只1.4"喉口75芯复合振膜高音驱动器配置90° × 40° 可旋转号角，箱体采用多层复合夹板，水性环保喷涂制作。

### FEATURES

- High quality plywood with special environmental protection paint
- Compact two-way passive system
- Mid-high frequency's sensitivity can be adjusted
- Rotatable 90° × 40° horn
- Flexible mounting options
- Top hat fitting for tripod

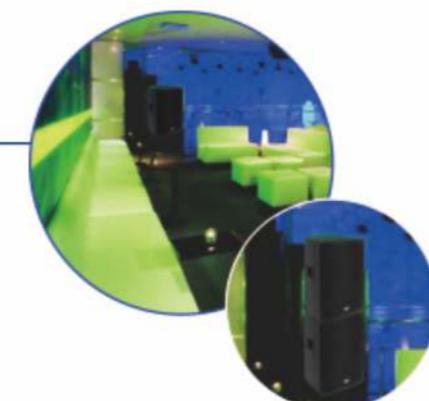
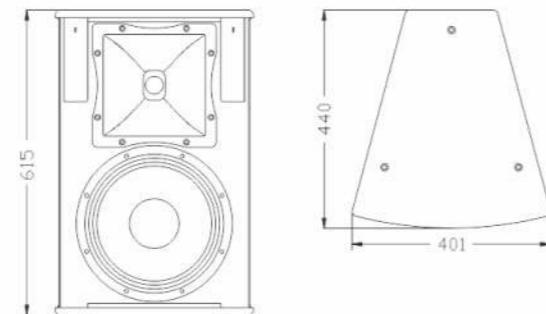
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 重量轻便于搬运和固定安装
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声
- 多功能厅、高级酒店会所
- 流动商演、固定安装

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

U112VH

50 Hz-18kHz

FREQUENCY RESPONSE(-10dB)

45 Hz-20kHz

### DRIVERS

1x12"(300mm)/3"voice coil LF

1x1.4"(36mm)/3"voice coil HF

### RATED POWER

450W RMS,1800W peak

### SENSITIVITY

97dB 1watt/1 metre

### MAXIMUM SPL

124dB continuous,130 dB peak

### IMPEDANCE

8 ohms nominal

### DISPERSION(-6dB)

90°×40°

### CROSSOVER FREQUENCIES

1.5kHz passive

### INPUT CONNECTORS

2×Speakon NL4

### PACKAGE SIZE

530mm×495mm×710mm

### NET WEIGHT

25 kg/pc

### GROSS WEIGHT

29 kg/pc

## U115V Useries U115VA

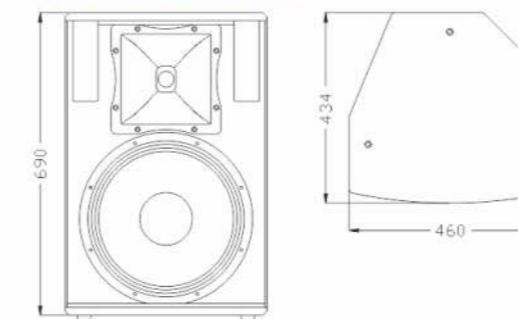
Two-way Loudspeaker System

The U115V is the ideal general-purpose loudspeaker with a wide frequency response, suitable for all kinds of mid-field theatre and live venue applications that require professional sound quality.U115VA is equipped with FA1.6 digital amplifier module to be an active loudspeaker based on U115V.

U115V是一款15"两分音全音域音箱。采用一只15"高效率低音单元，一只1.4"喉口75芯复合振膜高音驱动器配置90° × 40° 可旋转号角，箱体采用多层复合夹板，水性环保喷涂制作。U115VA是在U115V的基础上配置FA1.6功放组件成为有源音箱。



### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

U115V

45Hz-18kHz

FREQUENCY RESPONSE(-10dB)

40 Hz-20kHz

### DRIVERS

1x15"(385mm)/3"voice coil LF

1x1.4"(36mm)/3"voice coil HF

### RATED POWER

400W RMS,1600W peak

### SENSITIVITY

98dB 1watt/1meter

### MAXIMUM SPL

124dB continuous,130dB peak

### IMPEDANCE

8 ohms nominal

### DISPERSION(-6dB)

90°×40°

### CROSSOVER FREQUENCIES

1.5kHz passive

### INPUT CONNECTORS

2×Speakon NL4

### PACKAGE SIZE

580mm×560mm×820mm

### NET WEIGHT

30 kg/pc

### GROSS WEIGHT

35 kg/pc



### FEATURES

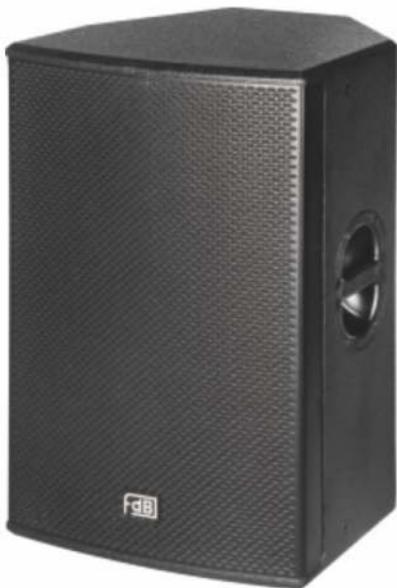
- High quality plywood with special environmental protection paint
- Wide-bandwidth system
- Rotatable 90° × 40° horn
- Mid-high frequency's sensitivity can be adjusted
- Flexible mounting options
- Top hat fitting for tripod

### 产品特征

- 中高音灵敏度可调
- 高质量单元配置，高强度夹板箱体
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱



## U series U115VH

Two-way Loudspeaker System

**The U115VH is the ideal general-purpose loudspeaker** with a wide frequency response, suitable for all kinds of mid-field theatre and live venue applications that require professional sound quality.

U115VH is a 15" two-way full-range speaker. It features a 15" high-efficiency low-frequency driver, a 1.4" throat 75mm composite membrane high-frequency driver, and a 90° × 40° rotatable horn. The cabinet is made of multi-layer composite material and has a water-based environmental protection paint.

### FEATURES

- High quality plywood with special environmental protection paint
- Use 4" voice coil high power woofer
- Wide-bandwidth system
- Rotatable 90° × 40° horn
- Mid-high frequency's sensitivity can be adjusted
- Flexible mounting options
- Top hat fitting for tripod

### 产品特征

- 中高音灵敏度可调
- 高质量单元配置，高强度夹板箱体
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### MODEL

FREQUENCY RESPONSE(-3dB)

U115VH

45 Hz-18kHz

FREQUENCY RESPONSE(-10dB)

40 Hz-20kHz

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT



## U215V U series U215DA

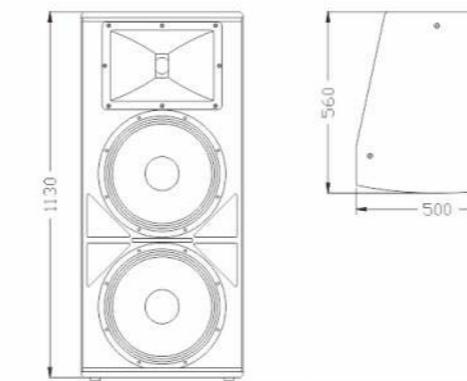
Two-way Loudspeaker System

The U215V is the ideal general-purpose loudspeaker with a wide frequency response, suitable for all kinds of mid-field theatre and live venue applications that require professional sound quality. U215DA is equipped with FA2.38 digital amplifier module to be an active loudspeaker based on U215V.

U215V is a dual 15" two-way full-range speaker. It features two 15" high-power low-frequency drivers, a 2" throat 75mm composite membrane high-frequency driver, and a 90° × 40° rotatable horn. The cabinet is made of multi-layer composite material and has a water-based environmental protection paint.



### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

U215V

40 Hz-18kHz

FREQUENCY RESPONSE(-10dB)

35 Hz-20kHz

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT



### FEATURES

- High quality plywood with special environmental protection paint
- Very high SPL from a full range passive enclosure
- Extended low frequency performance from dual 15" drivers
- Dedicated low distortion mid-bass driver
- 90° × 50° fiberglass horn
- 2" (50mm) exit titanium dome compression driver

### 产品特征

- 中高音灵敏度可调
- 高质量单元配置，高强度夹板箱体
- 多吊挂点，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域室内、外扩声
- 多功能厅、高级酒店会所

### MODEL

U215DA

40 Hz-18kHz

35 Hz-20kHz

2x15"(385mm)/3"voice coil LF

1x2"(50mm)/3"voice coil HF

300W/8Ω+1200W/4Ω

--

130dB continuous,136dB peak

--

90°×50°

--

INPUT TYPE:Balanced Differential line

660mmx605mmx1250mm

55 kg/pc

61 kg/pc



## U series U115S U115SA

### Sub-woofer System

The **U115S** is a single 15" low frequency enclosure designed for sub-bass reinforcement to U Compact series in a wide variety of fixed installation. U115SA is equipped with BA1.8 digital amplifier module to be an active subwoofer based on U115S.

**U115S** 是一款单15"超低音箱。采用一只15" 100芯低音单元，倒相式箱体设计，箱体采用多层复合夹板，水性环保喷涂制作。U115SA是在U115S的基础上配置BA1.8功放组件成为有源音箱。

#### FEATURES

- High quality plywood with special environmental protection paint
- Bass reflex design
- High temperature 4" (100mm) voice coil
- Top hat fitting for pole mounting to U108V/U110V

#### 产品特征

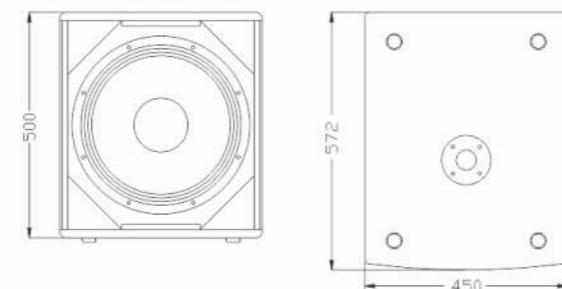
- 高质量单元配置，高强度夹板箱体
- 倒相式设计，低音丰富自然
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 用于有超低音重放需求的高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声



#### CONFIGURATION



#### MODEL

#### FREQUENCY RESPONSE(-3dB)

40Hz-300Hz

#### DRIVERS

1x15"(385mm)/4"voice coil LF

#### RATED POWER

600W RMS,2400W peak

#### SENSITIVITY

99dB 1watt/1meter

#### MAXIMUM SPL

127dB continuous,133dB peak

#### IMPEDANCE

8 ohms nominal

#### INPUT CONNECTORS

2×Speakon NL4

#### PACKAGE SIZE

670mmx550mmx605mm

#### NET WEIGHT

31 kg/pc

#### GROSS WEIGHT

34 kg/pc

#### MODEL

#### FREQUENCY RESPONSE(-3dB)

40Hz-300Hz

#### DRIVERS

1x15"(385mm)/4"voice coil LF

#### RATED POWER

1200W/4Ω

#### SENSITIVITY

--

#### MAXIMUM SPL

127dB continuous,133dB peak

#### IMPEDANCE

--

#### INPUT CONNECTORS

Balanced Differential line

#### PACKAGE SIZE

670mmx550mmx605mm

#### NET WEIGHT

33 kg/pc

#### GROSS WEIGHT

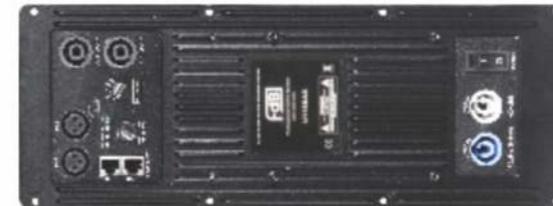
36 kg/pc

## U series U115SAS

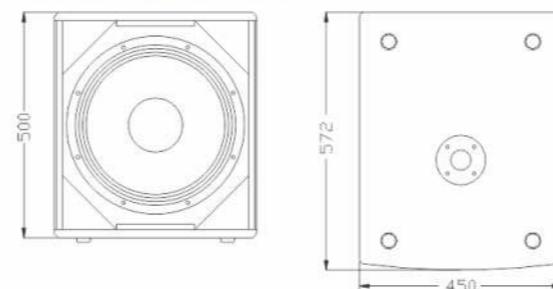
### Sub-woofer System

The **U115SAS** is a single 15" low frequency enclosure designed for sub-bass reinforcement to U compact series in a wide variety of fixed installation, made of high quality plywood. U115SAS is equipped with SA3.448 digital amplifier module to be an active system with left & right side full range output and sub output based on U115S.

**U115SAS**是一款单15"有源音箱系统，采用一只15" 100芯高效率超低音单元，倒相式箱体设计，箱体采用多层复合夹板，水性环保喷涂制，配置SA3.448成为有源系统。



#### CONFIGURATION



#### MODEL

#### FREQUENCY RESPONSE(-3dB)

40Hz-300Hz and 50Hz-18kHz

#### DRIVERS

1x15"(385mm)/4"voice coil LF

#### RATED POWER

2x400W/8Ω+1200W/4Ω

#### SENSITIVITY

--

#### MAXIMUM SPL

127dB continuous,133 dB peak

#### IMPEDANCE

--

#### INPUT CONNECTORS

Balanced Differential line

#### PACKAGE SIZE

670mmx550mmx605mm

#### NET WEIGHT

33 kg/pc

#### GROSS WEIGHT

36 kg/pc



#### FEATURES

- High quality plywood with special environmental protection paint
- Bass reflex design
- High temperature 4"(100mm) voice coil
- Top hat fitting for pole mounting to U108V / U110V

#### 产品特征

- 数字功放，内置DSP信息处理器
- 具有超低音及左右两通道全频功率输出功能
- 可与多种全频音箱组合，操作简易快捷
- 高质量单元配置，高强度夹板箱体
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 中小型流动商演、乐队扩声
- 会议室、多功能厅



## U series U118S Sub-woofer System

The **U118S** is a single 18" low frequency enclosure designed for sub-bass reinforcement to U Compact series in a wide variety of fixed installation. U118SA is equipped with BA1.8 digital amplifier module to be an active subwoofer based on U118S.

U118S 是一款单18"超低音箱。采用一只18"100芯低音单元，倒相式箱体设计，箱体采用多层复合夹板，水性环保喷涂制作。U118SA是在U118S的基础上配置BA1.8功放组件成为有源音箱。

### FEATURES

- High quality plywood with special environmental protection paint
- Bass reflex design
- High temperature 4" (100mm) voice coil
- Top hat fitting for pole mounting to U112V/U115V

### 产品特征

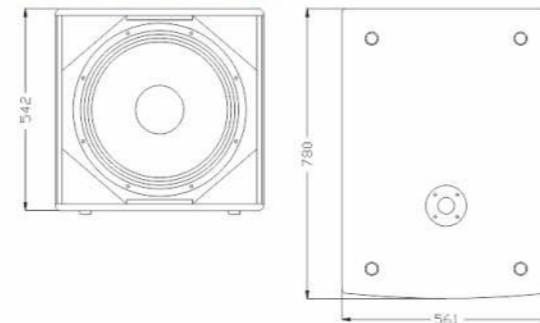
- 高质量单元配置，高强度夹板箱体
- 倒相式设计，低音强劲自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于有超低音重放需求的高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声



### CONFIGURATION



### MODEL

### FREQUENCY RESPONSE(-3dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### U118S

35Hz-300Hz

1x18"(460mm)/4"voice coil LF

600W RMS,2400W peak

100dB 1 watt/1meter

128dB continuous,134dB peak

8 ohms nominal

2×Speakon NL4

880mmx660mmx655mm

40 kg/pc

48 kg/pc

### U118SA

35Hz-300Hz

1x18"(460mm)/4"voice coil LF

1200W/4Ω

--

128dB continuous,134dB peak

--

INPUT TYPE:Balanced Differential line

880mmx660mmx655mm

42 kg/pc

50 kg/pc

### MODEL

### FREQUENCY RESPONSE(-3dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### U118SAS

35Hz-300Hz and 50Hz-18kHz

1x18"(460mm)/4"voice coil LF

2x400W/8Ω+1200W/4Ω

--

128dB continuous,134dB peak

--

Balanced Differential line

880mmx660mmx655mm

42 kg/pc

50 kg/pc

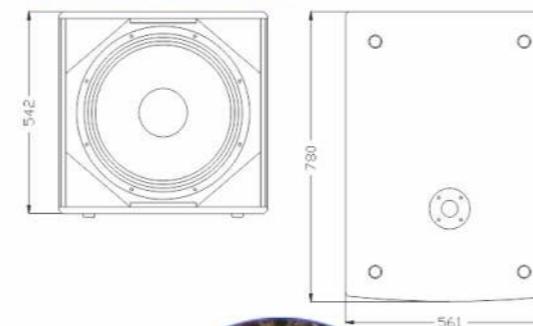
## U series U118SAS Sub-woofer System

The **U118SAS** is a single 18" low frequency enclosure designed for sub-bass reinforcement to U compact series in a wide variety of fixed installation, made of high quality plywood. U118SAS is equipped with SA3.448 digital amplifier module to be an active system with left & right side full range output and sub output based on U118S.

U118SAS是一款单18"有源音箱系统，采用一只18" 100芯高效率超低音单元，倒相式箱体设计，箱体采用多层复合夹板，水性环保喷涂制，配置SA3.448成为有源系统。



### CONFIGURATION



### FEATURES

- High quality plywood with special environmental protection paint
- Bass reflex design
- High temperature 4"(100mm) voice coil
- Top hat fitting for pole mounting to U110V /U112V

### 产品特征

- 数字功放，内置DSP信息处理器
- 具有超低音及左右两通道全频功率输出功能
- 可与多种全频音箱组合，操作简易快捷
- 高质量单元配置，高强度夹板箱体
- 超长品质保证期：品质与信心的保证

### 适用范围

- 中小型流动商演、乐队扩声
- 会议室、多功能厅



## U series U218S Sub-woofer System

The **U218S** provides deep and punchy bass(down to 35HZ) suitable for all club applications as part of the U Compact system. U218SA is equipped with BA2.88 digital amplifier module to be an active subwoofer based on U218S.

**U218S** 是一款双18"超低音箱。采用两只18"100芯超低音单元，倒相式箱体设计，箱体采用多层复合夹板，水性环保喷涂制作。U218SA是在U218S的基础上配置BA2.88 功放组件成为有源音箱。

### FEATURES

- High quality plywood with special environmental protection paint
- Bass reflex design
- High temperature 4" (100mm) voice coil

### 产品特征

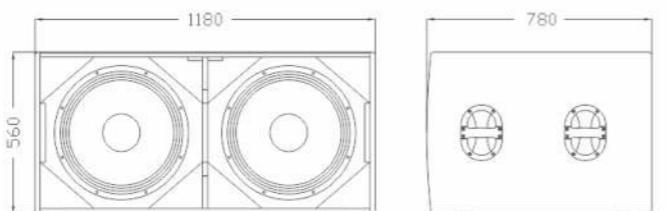
- 高质量单元配置，高强度夹板箱体
- 倒相式设计，低音强劲自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于有超低音重放需求的高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声



### CONFIGURATION



### MODEL

### FREQUENCY RESPONSE(-3dB)

U218S 35Hz-300Hz  
35Hz-300Hz

### DRIVERS

U218S 2x18"(460mm)/4"voice coil LF  
2x18"(460mm)/4"voice coil LF

### RATED POWER

U218S 1200W RMS,4800W peak  
1200W RMS,4800W peak

### SENSITIVITY

U218S 103dB 1watt/1meter  
103dB 1watt/1meter

### MAXIMUM SPL

U218S 134dB continuous,140dB peak  
134dB continuous,140dB peak

### IMPEDANCE

U218S 4 ohms nominal  
4 ohms nominal

### INPUT CONNECTORS

U218S 2×Speakon NL4  
2×Speakon NL4

### PACKAGE SIZE

U218S 1272mmx872mmx658mm  
1272mmx872mmx658mm

### NET WEIGHT

U218S 82 kg/pc  
82 kg/pc

kg/pc

[www.fdbaudio.com](http://www.fdbaudio.com)

fdb

pro audio

## QS series

QS 系列多功能音箱

[www.fdbaudio.com](http://www.fdbaudio.com)

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## QSseries QS10II

Two-way Loudspeaker System

### FEATURES

- High quality plywood with special environmental protection paint
- Ultra-compact two way system
- Rotatable (50-100) ° × 55 ° horn
- High power output
- Flexible mounting options
- Top hat fitting for tripod

### 产品特征

- 高质量单元配置，高强度夹板箱体
- 体积小、重量轻便于搬运和固定安装
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、语言会议系统、高级卡拉OK包房
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及小型舞台返送音箱

### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

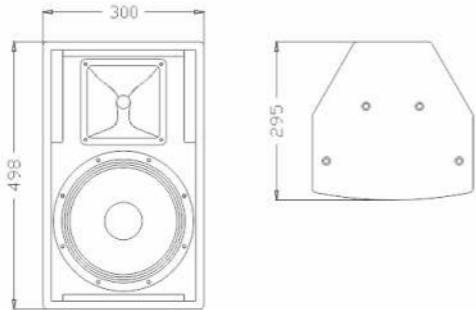
### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### CONFIGURATION



## QSseries QS12II

Two-way Loudspeaker System



The QS12 II is the ideal general-purpose loudspeaker with a wide frequency response, suitable for all kinds of mid-field theatre and live venue applications that require professional sound quality.

QS12 II 是一款12"两分音全音域音箱。采用一只12"高效率低音单元，一只1"喉口44芯高分子聚酯膜高音驱动器配置(50-100) ° × 55 ° 可旋转号角，箱体采用多层复合夹板，水性环保喷涂制作。

### FEATURES

- High quality plywood with special environmental protection paint
- Compact two-way passive system
- Rotatable (50-100) ° × 55 ° horn
- Flexible mounting options
- Top hat fitting for tripod

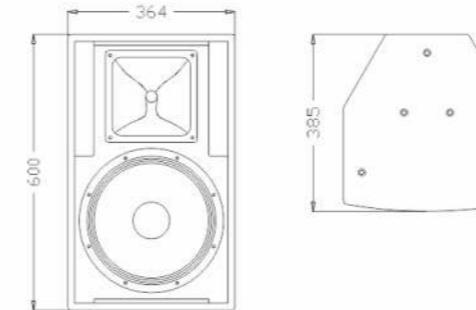
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT



## QSseries QS15 II

Two-way Loudspeaker System

### FEATURES

- High quality plywood with special environmental protection paint
- Wide-bandwidth system
- Rotatable (50-100) ° × 55 ° horn
- Flexible mounting options
- Top hat fitting for tripod

### 产品特征

- 高质量单元配置，高强度夹板箱体
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声以及舞台返送音箱

### MODEL

FREQUENCY RESPONSE(-3dB)

QS15 II

40 Hz-18kHz

FREQUENCY RESPONSE(-10dB)

35 Hz-20kHz

### DRIVERS

### RATED POWER

### SENSITIVITY

### MAXIMUM SPL

### IMPEDANCE

### DISPERSION(-6dB)

### CROSSOVER FREQUENCIES

### INPUT CONNECTORS

### PACKAGE SIZE

### NET WEIGHT

### GROSS WEIGHT

40 Hz-18kHz

35 Hz-20kHz

1×15"(385mm)/3"voice coil LF

1×1"(25mm)/ 1.7"voice coil HF

400W RMS,1600W peak

98dB 1watt/1 metre

124dB continuous,130 dB peak

8 ohms nominal

(50-100)°×55°

2.2kHz passive

2×Speakon NL4

570mm×530mm×820mm

29 kg/pc

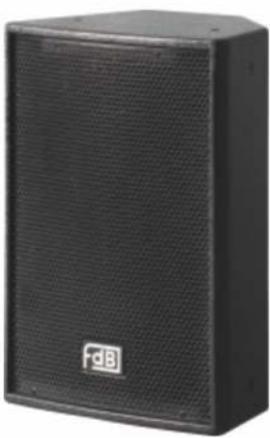
32 kg/pc



## FTseries

FT 系列专业音箱





## FTseries FT8II

Two-way Loudspeaker System

### FEATURES

- High quality MDF with special environmental protection paint
- Ultra-compact two-way system
- Rotatable 90°×50° horn

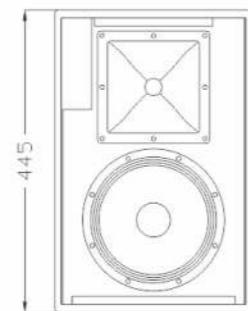
### 产品特征

- 高质量单元配置，高强度复合板箱体
- 体积小、重量轻便于搬运和固定安装
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、语言扩声会议系统
- 背景音乐重放、学校教室

### CONFIGURATION



#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### MODEL

FT8 II

55Hz-18kHz

50Hz-20kHz

1×8"(200mm)/1.5"voice coil LF

1×1"(25mm)/ 1"voice coil HF

100W RMS,400W peak

92dB 1watt/1 metre

112 dB continuous,118 dB peak

8 ohms nominal

90°×50°

2.5 kHz passive

2× Speakon NL4

615mm×380mm×535mm(carton/pair)

9 kg/pc

21 kg/pair

## FTseries FT10II

Two-way Loudspeaker System



### FEATURES

- High quality MDF with special environmental protection paint
- Ultra-compact two-way system
- Rotatable 90°×50° horn

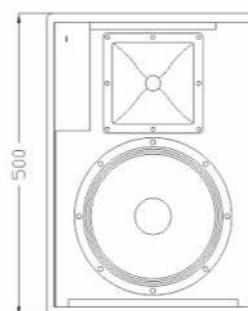
### 产品特征

- 高质量单元配置，高强度复合板箱体
- 体积小、重量轻便于搬运和固定安装
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、语言扩声会议系统
- 背景音乐重放、学校教室

### CONFIGURATION



#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### MODEL

FT10 II

50Hz-18kHz

45Hz-20kHz

1×10"(250mm)/2" voice coil LF

1×1"(25mm)/ 1"voice coil HF

150W RMS,600W peak

95dB 1watt/1 metre

117 dB continuous,123 dB peak

8 ohms nominal

90°×50°

2.2 kHz passive

2× Speakon NL4

440mm×400mm×585mm

13 kg/pc

15 kg/pair



## FT series FT12II

Two-way Loudspeaker System

### FEATURES

- High quality MDF with special environmental protection paint
- Ultra-compact two-way system
- Rotatable 80°×50°horn

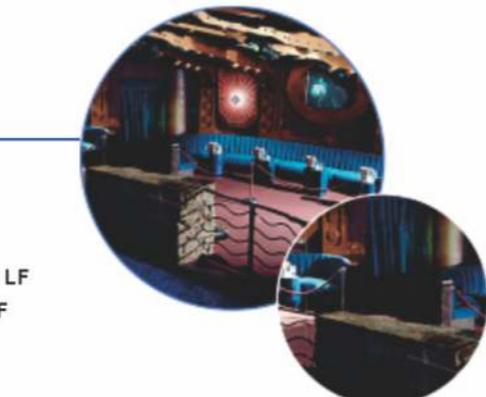
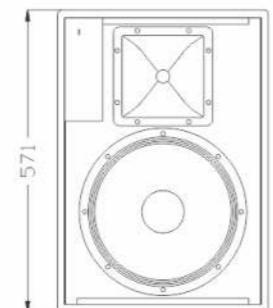
### 产品特征

- 优化单元配置，高强度复合板箱体，性价比极高
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、语言会议系统
- 多功能厅、高级酒店会所、学校教室
- 小型室外扩声

### CONFIGURATION



#### MODEL

FREQUENCY RESPONSE(-3dB)

45Hz-20kHz

FREQUENCY RESPONSE(-10dB)

40Hz-20kHz

#### DRIVERS

1×12"(300mm)/2.5" voice coil LF

1×1"(25mm)/ 1.4"voice coil HF

250W RMS,1000W peak

96dB 1watt/1 metre

120 dB continuous,126 dB peak

8 ohms nominal

80°×50°

2.2 kHz passive

2×Speakon NL4

490mm×455mm×665mm

19 kg/pc

21 kg/pc

## FT series FT15II

Two-way Loudspeaker System



### FEATURES

- High quality MDF with special environmental protection paint
- Wide-bandwidth system
- Rotatable 80°×50° horn

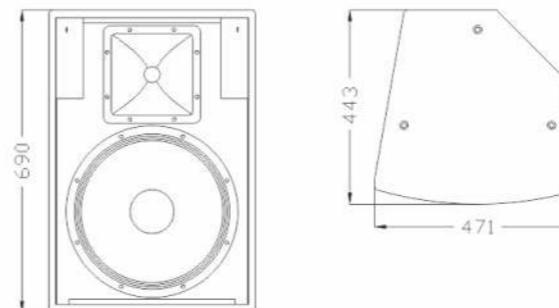
### 产品特征

- 优化单元配置，高强度复合板箱体，性价比极高
- 多吊挂点与支撑配合，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、语言会议系统
- 多功能厅、高级酒店会所、学校教室
- 小型室外扩声

### CONFIGURATION



#### MODEL

FREQUENCY RESPONSE(-3dB)

40Hz-20kHz

35Hz-20kHz

1×15"(385mm)/2.5" voice coil LF

1×1"(25mm)/ 1.4"voice coil HF

300W RMS,1200W peak

97dB 1watt/1 metre

122 dB continuous,128 dB peak

8 ohms nominal

80°×50°

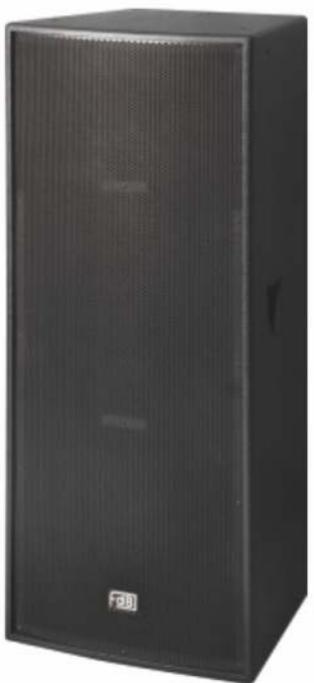
2kHz passive

2×Speakon NL4

565mm×545mm×795mm

27 kg/pc

30 kg/pc



## FT series FT215II

Two-way Loudspeaker System

### FEATURES

- High quality MDF with special environmental protection paint
- Very high SPL from a full range passive enclosure
- 100° × 50° plastic horn

### 产品特征

- 优化单元配置，高强度复合板箱体，性价比极高
- 多吊挂点，操作简易快捷
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于全音域扩声、语言会议系统
- 多功能厅、高级酒店会所
- 小型室外扩声



### MODEL

FREQUENCY RESPONSE(-3dB)

40Hz-20kHz

FREQUENCY RESPONSE(-10dB)

35Hz-20kHz

### DRIVERS

2×15"(385mm)/3" voice coil LF

1×1"(25mm)/ 1.7"voice coil HF

700W RMS,2800W peak

100dB 1watt/1 metre

128 dB continuous,134 dB peak

4 ohms nominal

100°×50°

2.2 kHz passive

2×Speakon NL4

565mm×555mm×1270mm

41 kg/pc

47 kg/pc

## FT series FT2153II

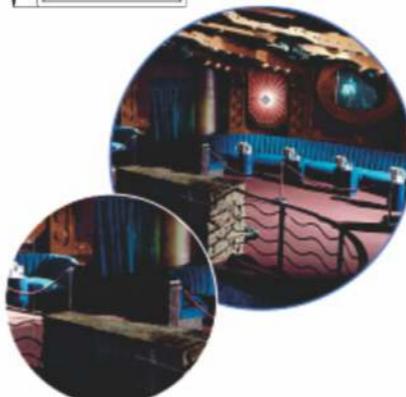
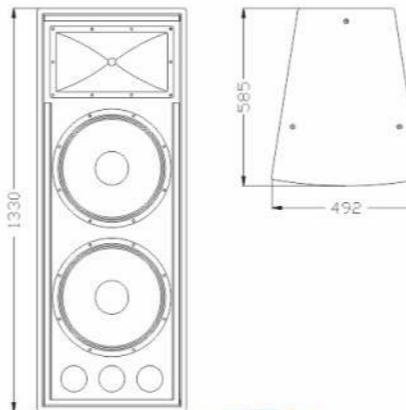
Two-way Loudspeaker System



The FT2153 II is a 2-way system with two15"(385mm) woofer and one 1"(25mm) exit compression driver mounted on a special 100°× 50° horn.

FT2153 II 是一款双15"两分音全音域音箱。采用两只15"高效率低音单元，一只1"喉口44芯高分子聚酯膜高音驱动器配置专门设计的号角，箱体采用高密度复合板，水性环保喷涂制作。

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

40Hz-20kHz

FREQUENCY RESPONSE(-10dB)

35Hz-20kHz

### DRIVERS

2×15"(385mm)/3" voice coil LF

1×1"(25mm)/ 1.7"voice coil HF

800W RMS,3200W peak

100dB 1watt/1 metre

129 dB continuous,135 dB peak

4 ohms nominal

100°×50°

2.2 kHz passive

2×Speakon NL4

705mm×615mm×1460mm

57 kg/pc

69 kg/pc



## FT series FT118B II

### Sub-woofer System

#### FEATURES

- High quality MDF with special environmental protection paint
- Bass reflex design
- Direct radiating 18" (460mm)sub-woofer
- High temperature 3" (75mm) voice coil
- Top hat fitting for pole mounting to FT10 II/FT12 II

#### 产品特征

- 高质量单元配置，高强度复合板箱体
- 倒相式设计，低音强劲
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 用于有超低音重放需求的高级卡拉OK包房
- 多功能厅、高级酒店会所

The FT118B II is a single 18" low frequency enclosure designed for sub-bass reinforcement to FT compact series two-way enclosures in a wide variety of fixed installation.

FT118B II 是一款单18"超低音箱。采用一只18" 75芯高效率低音单元，倒相式箱体设计，箱体采用高密度复合板，水性环保喷涂制作。

#### CONFIGURATION



|                          |                               |
|--------------------------|-------------------------------|
| MODEL                    | FT118B II                     |
| FREQUENCY RESPONSE(-3dB) | 35Hz-200Hz                    |
| DRIVERS                  | 1×18"(460mm)/3"voice coil LF  |
| RATED POWER              | 400W RMS,1600W peak           |
| SENSITIVITY              | 99dB 1watt/1 metre            |
| MAXIMUM SPL              | 125 dB continuous,131 dB peak |
| IMPEDANCE                | 8 ohms nominal                |
| INPUT CONNECTORS         | 2×Speakon NL4                 |
| PACKAGE SIZE             | 655mm×615mm×715mm             |
| NET WEIGHT               | 34 kg/pc                      |
| GROSS WEIGHT             | 39 kg/pc                      |

## FT series FT218B II

### Sub-woofer System

#### FEATURES

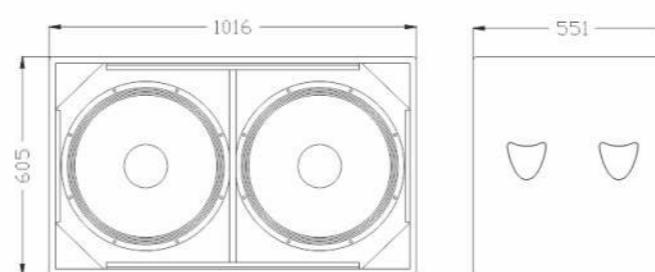
- High quality MDF with special environmental protection paint
- Bass reflex design
- High temperature 3"(75mm) voice coil



The FT218B II provides deep and punchy bass suitable for all club applications as part of the FT compact system.

FT218B II 是一款双18"超低音箱。采用两只18" 75芯高效率低音单元，倒相式箱体设计，箱体采用高密度复合板，水性环保喷涂制作。

#### CONFIGURATION



|                          |                               |
|--------------------------|-------------------------------|
| MODEL                    | FT218B II                     |
| FREQUENCY RESPONSE(-3dB) | 35Hz-200Hz                    |
| DRIVERS                  | 2×18"(460mm)/3"voice coil LF  |
| RATED POWER              | 800W RMS,2400W peak           |
| SENSITIVITY              | 101dB 1watt/1 metre           |
| MAXIMUM SPL              | 130 dB continuous,136 dB peak |
| IMPEDANCE                | 4 ohms nominal                |
| INPUT CONNECTORS         | 2×Speakon NL4                 |
| PACKAGE SIZE             | 1125mm×670mm×700mm            |
| NET WEIGHT               | 62 kg/pc                      |
| GROSS WEIGHT             | 66 kg/pc                      |

#### 产品特征

- 高质量单元配置，高强度复合板箱体
- 倒相式设计，低音浑厚自然
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 用于有超低音重放需求的高级卡拉OK包房
- 多功能厅、高级酒店会所



**LT series**  
LT 系列中远程音箱

## LT208 LTseries LT208T

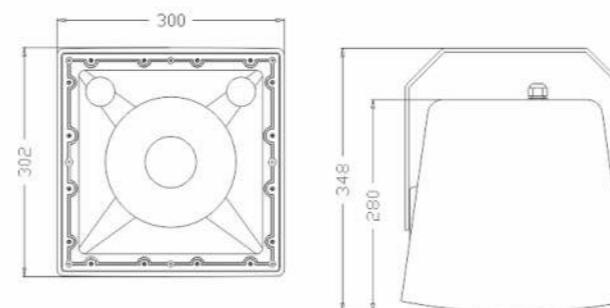
Two-way Loudspeaker System



The LT208 is a compact, 8" coaxial-driver, 2-way, highly weather-resistant, full range loudspeaker with high SPL, the body is made of engineering plastic injection molding. The system conforms to IP56 international standard. LT208T is equipped with multi-tap transformer based on LT208.

LT208 是一款 8寸同轴两分音全天候音箱，箱体设计优先考虑全天候使用环境和高声压输出，采用 8寸中低音与高音驱动器同轴喇叭，中低音与高音全部采用号角负载设计，箱体采用工程塑胶注塑而成。LT208T 是在 LT208 的基础上配置多种输出功率选择功能的定压音箱。产品符合 IP56 国际标准。

### CONFIGURATION



### FEATURES

- Highly weather-resistant IP56 rating
- Engineering plastic injection molding
- High SPL
- Horn loaded design for coaxial components
- Good used for sports facilities, stadiums, water parks, outdoor background music, swimming pools and a wide variety of other outdoor venue types.

### 产品特征

- 高质量单元配置，工程塑胶箱体
- 号角负载设计，高音压级输出
- 单元隐藏式安装，适应全天候使用
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于中远程语言扩声
- 广场、主题公园、景区扩声

#### MODEL

LT208

80Hz-18kHz

75Hz-20kHz

#### DRIVERS

#### INPUT VOLTAGE

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### LT208T

80Hz-18kHz

75Hz-20kHz

1x8"(200mm)/2" voice coil LF

1x1"(25mm)/1.4"voice coil HF

150W RMS,600W peak

96dB 1watt/1 metre

118dB continuous,124dB peak

8 ohms nominal

80°×80°

2.5kHz passive

covered barrier strip terminals

362mm×332mm×347mm

10 kg/pc

12 kg/pc

#### LT208T

80Hz-18kHz

75Hz-20kHz

1x8"(200mm)/2" voice coil LF

1x1"(25mm)/1.4"voice coil HF

100V

37.5W/75W/150W/OFF/8Ω

96dB 1watt/1 metre

118dB continuous,124dB peak

8 ohms nominal

80°×80°

2.5kHz passive

covered barrier strip terminals

362mm×332mm×347mm

11 kg/pc

13 kg/pc



## LTseries LT212

### Two-way Loudspeaker System

The LT212 is a compact, 12" coaxial-driver, 2-way, highly weather-resistant full range loudspeaker with high SPL, the body is made of engineering plastic injection molding. The system conforms to IP56 international standard. LT212T is equipped with multi-tap transformer based on LT212.

#### FEATURES

- Highly weather-resistant IP56 rating
- Engineering plastic injection molding
- High SPL
- Horn loaded design for coaxial components
- Good used for sports facilities, stadiums, water parks, outdoor background music, swimming pools and a wide variety of other outdoor venue types.

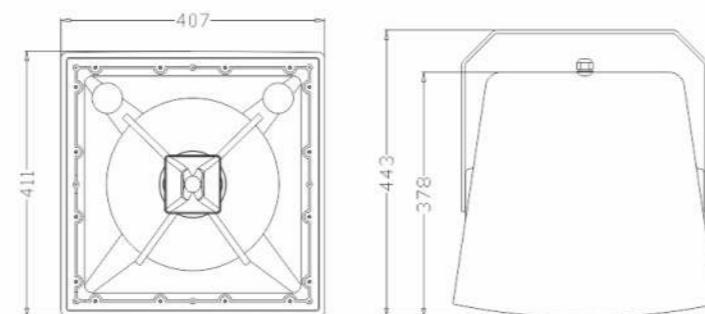
#### 产品特征

- 高质量单元配置，工程塑胶箱体
- 号角负载设计，高音压级输出
- 单元隐藏式安装，适应全天候使用
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 用于中远程语言扩声
- 广场、主题公园、景区扩声

#### CONFIGURATION



| MODEL                     | LT212  |
|---------------------------|--|
| FREQUENCY RESPONSE(-3dB)  | 55Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 50Hz-20kHz   |
| DRIVERS                   | 1x12"(300mm)/3"voice coil LF<br>1x1"(25mm)/1.7"voice coil HF |
| INPUT VOLTAGE             |  |
| RATED POWER               | 300W RMS,1200W peak  |
| SENSITIVITY               | 98dB 1watt/1 metre   |
| MAXIMUM SPL               | 123dB continuous,129dB peak                                  |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 70°×50°  |
| CROSSOVER FREQUENCIES     | 2.2kHz passive   |
| INPUT CONNECTORS          | covered barrier strip terminals                              |
| PACKAGE SIZE              | 472mm×442mm×480mm  |
| NET WEIGHT                | 18 kg/pc   |
| GROSS WEIGHT              | 20 kg/pc   |

| MODEL                     | LT212T   |
|---------------------------|--|
| FREQUENCY RESPONSE(-3dB)  | 55Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 50Hz-20kHz   |
| DRIVERS                   | 1x12"(300mm)/3"voice coil LF<br>1x1"(25mm)/1.7"voice coil HF |
| INPUT VOLTAGE             |  |
| RATED POWER               | 50W/100W/200W/OFF/8Ω 300W                                    |
| SENSITIVITY               | 98dB 1watt/1 metre   |
| MAXIMUM SPL               | 123dB continuous,129dB peak                                  |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 70°×50°  |
| CROSSOVER FREQUENCIES     | 2.2kHz passive   |
| INPUT CONNECTORS          | covered barrier strip terminals                              |
| PACKAGE SIZE              | 472mm×442mm×480mm  |
| NET WEIGHT                | 20 kg/pc   |
| GROSS WEIGHT              | 22 kg/pc   |

## LTseries LT215

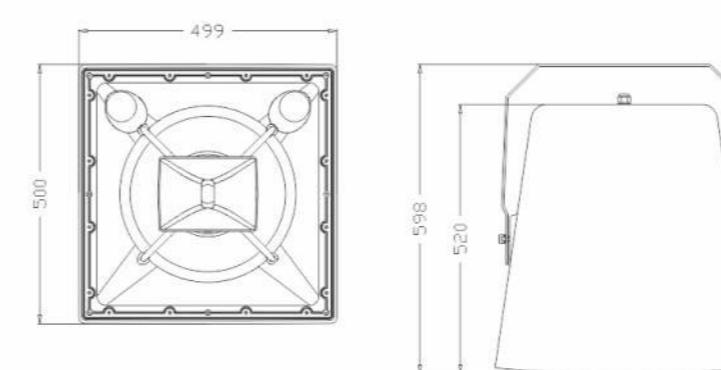
### Two-way Loudspeaker System

The LT215 is a compact, 15" LF driver and 1.4" exit HF driver, 2-way, highly weather-resistant full range loudspeaker with high SPL, the body is made of engineering plastic injection molding. The system conforms to IP56 international standard. LT215T is equipped with multi-tap transformer based on LT215.

LT215是一款15寸两分音全天候音箱，箱体设计优先考虑全天候使用环境和高声压输出，采用一只15"中低音单元，一只1.4"喉口75芯钛膜高音驱动器，中低音与高音全部采用号角负载设计，箱体采用工程塑胶注塑而成。LT215T是在LT215的基础上配置多种输出功率选择功能的定压音箱。产品满足IP56国际标准。



#### CONFIGURATION



| MODEL                     | LT215  |
|---------------------------|--|
| FREQUENCY RESPONSE(-3dB)  | 50Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 45Hz-20kHz   |
| DRIVERS                   | 1x15"(385mm)/3"voice coil LF<br>1x1.4"(36mm)/3"voice coil HF |
| INPUT VOLTAGE             |  |
| RATED POWER               | 400W RMS,1600W peak  |
| SENSITIVITY               | 103dB 1watt/1 metre  |
| MAXIMUM SPL               | 129dB continuous,135dB peak                                  |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 60°×40°  |
| CROSSOVER FREQUENCIES     | 1.5kHz passive   |
| INPUT CONNECTORS          | covered barrier strip terminals                              |
| PACKAGE SIZE              | 610mm×545mm×595mm  |
| NET WEIGHT                | 28.5 kg/pc   |
| GROSS WEIGHT              | 31.5 kg/pc   |



## LTseries LT215L LTseries LT215LT

### Two-way Loudspeaker System

The LT215L is a compact, 15" LF driver and 1.4" exit HF driver, 2-way, highly weather-resistant line array loudspeaker with high SPL, the body is made of engineering plastic injection molding. The system conforms to IP56 international standard. LT215LT is equipped with multi-tap transformer based on LT215L.

LT215L 是一款 15 寸两分音全天候线性阵列音箱，箱体设计优先考虑全天候使用环境和高声压输出，采用一只 15" 中低音单元，一只声透镜号角配置一只 1.4" 喷口 75 芯钛膜高音驱动器，中低音与高音全部采用号角负载设计，箱体采用工程塑胶注塑而成。LT215LT 是在 LT215L 的基础上配置多种输出功率选择功能的定压音箱。产品满足 IP56 国际标准。

#### FEATURES

- Highly weather-resistant IP56 rating
- Engineering plastic injection molding
- High SPL
- Horn loaded design for HF driver and LF driver
- Good used for sports facilities, stadiums, water parks, and a wide variety of other outdoor venue types.

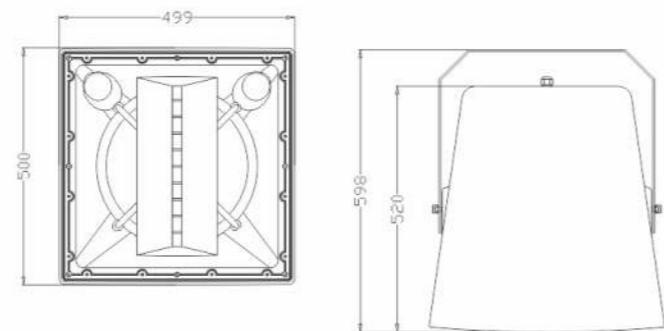
#### 产品特征

- 高质量单元配置，工程塑胶箱体
- 号角负载设计，高音压级输出
- 单元隐藏式安装，适应全天候使用
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 用于中远程语言扩声
- 广场、主题公园、景区扩声

#### CONFIGURATION



| MODEL                     | LT215L   |
|---------------------------|--|
| FREQUENCY RESPONSE(-3dB)  | 50Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 45Hz-20kHz   |
| DRIVERS                   | 1x15"(385mm)/3"voice coil LF<br>1x1.4"(36mm)/3"voice coil HF |
| INPUT VOLTAGE             | 400W RMS,1600W peak  |
| RATED POWER               | 75W/150W/300W/OFF/8Ω 400W                                    |
| SENSITIVITY               | 103dB 1watt/1 metre  |
| MAXIMUM SPL               | 129dB continuous,135dB peak                                  |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 60°×25°  |
| CROSSOVER FREQUENCIES     | 1.5kHz passive   |
| INPUT CONNECTORS          | covered barrier strip terminals                              |
| PACKAGE SIZE              | 610mm×545mm×595mm  |
| NET WEIGHT                | 29 kg/pc   |
| GROSS WEIGHT              | 32 kg/pc   |

| MODEL                    | LT215LT  |
|--------------------------|--|
| FREQUENCY RESPONSE(-3dB) | 50Hz-18kHz   |
| DRIVERS                  | 1x15"(385mm)/3"voice coil LF<br>1x1.4"(36mm)/3"voice coil HF |
| INPUT VOLTAGE            | 100V   |
| RATED POWER              | 75W/150W/300W/OFF/8Ω 400W                                    |
| SENSITIVITY              | 103dB 1watt/1 metre  |
| MAXIMUM SPL              | 129dB continuous,135dB peak                                  |
| IMPEDANCE                | 8 ohms nominal   |
| DISPERSION(-6dB)         | 60°×25°  |
| CROSSOVER FREQUENCIES    | 1.5kHz passive   |
| INPUT CONNECTORS         | covered barrier strip terminals                              |
| PACKAGE SIZE             | 610mm×545mm×595mm  |
| NET WEIGHT               | 31.5 kg/pc   |
| GROSS WEIGHT             | 34.5 kg/pc   |

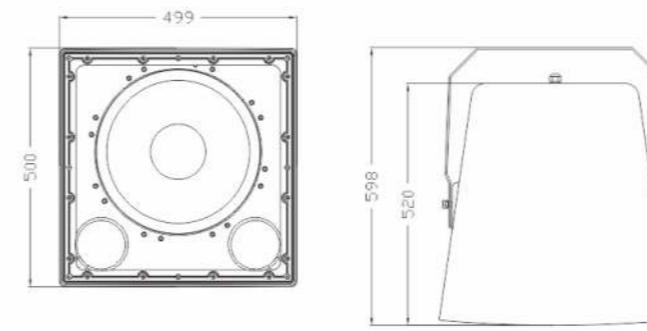
## LTseries LT115B LTseries LT115BT

### Sub-woofer System

LT115B is a compact, 15" LF driver, bass-reflex design, highly weather-resistant subwoofer, sub-bass reinforcement to LT series, the body is made of engineering plastic injection molding. LT115BT is equipped with multi-tap transformer based on LT115B.

LT115B 是一款 15 寸低音音箱，箱体设计优先考虑全天候使用环境，采用一只 15" 低音单元，箱体采用工程塑胶注塑而成，配合 LT208/LT212/LT215 使用。LT115BT 是在 LT115B 的基础上配置多种输出功率选择功能的定压音箱。产品满足 IP56 国际标准。

#### CONFIGURATION



| MODEL                    | LT115B                          |
|--------------------------|---------------------------------|
| FREQUENCY RESPONSE(-3dB) | 45Hz-300Hz                      |
| DRIVERS                  | 1x15"(385mm)/3"voice coil LF    |
| INPUT VOLTAGE            | --                              |
| RATED POWER              | 400W RMS,1600W peak             |
| SENSITIVITY              | 98dB 1watt/1 metre              |
| MAXIMUM SPL              | 124dB continuous,130dB peak     |
| IMPEDANCE                | 8 ohms nominal                  |
| DISPERSION(-6dB)         | --                              |
| CROSSOVER FREQUENCIES    | --                              |
| INPUT CONNECTORS         | covered barrier strip terminals |
| PACKAGE SIZE             | 610mm×545mm×595mm               |
| NET WEIGHT               | 22 kg/pc                        |
| GROSS WEIGHT             | 25 kg/pc                        |



#### FEATURES

- Highly weather-resistant IP56 rating
- Engineering plastic injection molding
- Bass reflex design
- Good used for sports facilities, stadiums, water parks, and a wide variety of other outdoor venue types.

#### 产品特征

- 高质量单元配置，工程塑胶箱体
- 倒相式设计，低音强劲自然
- 适应全天候使用
- 超长品质保证期：品质与信心的保证

#### 适用范围

- 配合 LT208/LT212/LT215 使用
- 广场、主题公园、景区扩声



# ES series

多功 能 工 程 音 箱

## ES series ES104

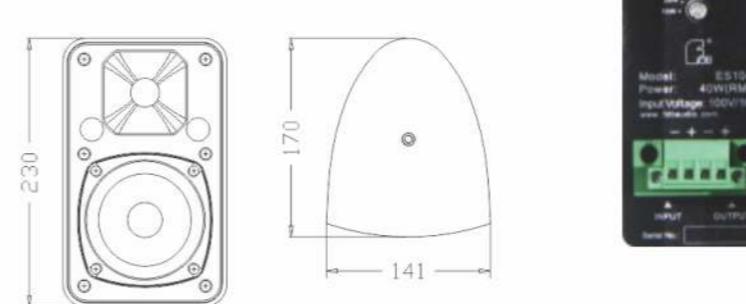
Two-way Loudspeaker System



The ES104 is a highly weather-resistant, single 4" 2-way full range loudspeaker, the body is made of engineering plastic injection molding, fitted with one 4" mid-woofer and one 0.8" dome tweeter. The system conforms to IP46 international standard. ES104T is equipped with multi-tap transformer based on ES104.

ES104是一款4"两分音系列音箱。箱体设计优先考虑全天候使用环境，采用工程塑胶注塑而成，一只4寸中低音单元和一只20芯球顶高音配置。带T的产品配置多种输出功率选择功能的定压音箱。产品符合IP46国际标准。

### CONFIGURATION



### FEATURES

- Highly weather-resistant IP46 rating
- Engineering plastic injection molding
- Two kinds of mounting brackets
- Good used for meeting rooms, shops, water parks, outdoor background music, swimming pools, and a wide variety of other outdoor or indoor background music

### 产品特征

- 采用工程塑胶注塑而成
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于分散扩声
- 会议室
- 主题公园、景区扩声

#### MODEL

ES104B/ES104W

75Hz-20kHz

70Hz-20kHz

#### DRIVERS

#### INPUT VOLTAGE

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

ES104BT/ES104WT

75Hz-20kHz

70Hz-20kHz

1x4"(100mm)/1"voice coil LF

1x0.8"(20mm)/dome tweeter

40W RMS,160W peak

88dB 1watt/1 metre

104dB continuous,110dB peak

16 ohms nominal

120°×90°

3.5kHz passive

covered barrier strip terminals

414×190×285mm(1Pair)

2 kg/pc

6 kg/pair

ES104BT/ES104WT

75Hz-20kHz

70Hz-20kHz

1x4"(100mm)/1"voice coil LF

1x0.8"(20mm)/dome tweeter

100V

10W/20W/40W/OFF/16Ω

88dB 1watt/1 metre

104dB continuous,110dB peak

16 ohms nominal

120°×90°

3.5kHz passive

covered barrier strip terminals

414×190×285mm(1Pair)

3 kg/pc

7 kg/pair



## ES series ES106

Two-way Loudspeaker System

The **ES106** is a highly weather-resistant, single 6" 2-way full range loudspeaker, the body is made of engineering plastic injection molding, fitted with one 6" mid-woofer and one 1" HF driver. The system conforms to IP46 international standard. ES106T is equipped with multi-tap transformer based on ES106.

### FEATURES

- Highly weather-resistant IP46 rating
- Engineering plastic injection molding
- Two kinds of mounting brackets
- Good used for meeting rooms, shops, water parks, outdoor background music, swimming pools, and a wide variety of other outdoor or indoor background music

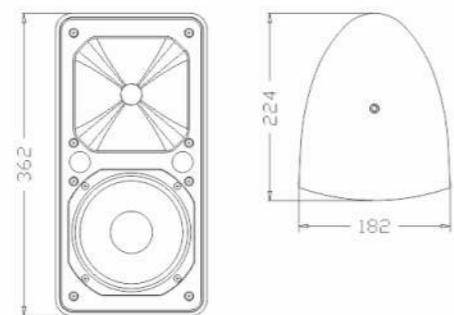
### 产品特征

- 采用工程塑胶注塑而成
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用会议室多功能厅
- 主题公园、景区扩声

### CONFIGURATION



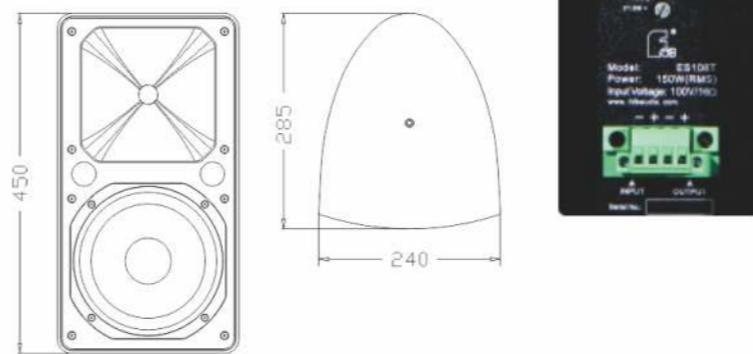
## ES series ES108

Two-way Loudspeaker System

The **ES108** is a highly weather-resistant, single 8" 2-way full range loudspeaker, the body is made of engineering plastic injection molding, fitted with one 8" mid-woofer and one 1" HF driver. The system conforms to IP46 international standard. ES108T is equipped with multi-tap transformer based on ES108.

ES108是一款8"两分音系列音箱。箱体设计优先考虑全天候使用环境，采用工程塑胶注塑而成，一只8寸中低音单元和一只25芯高音驱动器。带T的产品配置多种输出功率选择功能的定压音箱。产品符合IP46国际标准。

### CONFIGURATION



### FEATURES

- Highly weather-resistant IP46 rating
- Engineering plastic injection molding
- Two kinds of mounting brackets
- Good used for meeting rooms, shops, water parks, outdoor background music, swimming pools, and a wide variety of other outdoor or indoor background music

### 产品特征

- 采用工程塑胶注塑而成
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用会议室多功能厅
- 主题公园、景区扩声

|                                  |   |
|----------------------------------|---|
| <b>MODEL</b>                     | ES106B/ES106W   |
| <b>FREQUENCY RESPONSE(-3dB)</b>  | 60Hz-18kHz  |
| <b>FREQUENCY RESPONSE(-10dB)</b> | 55Hz-20kHz  |
| <b>DRIVERS</b>                   | 1×6"(150mm)/1.5"voice coil LF<br>1×1"(25mm)/1"voice coil HF |
| <b>INPUT VOLTAGE</b>             | 80W RMS,320W peak   |
| <b>RATED POWER</b>               | 20W/40W/80W/OFF/16Ω   |
| <b>SENSITIVITY</b>               | 89dB 1watt/1 metre  |
| <b>MAXIMUM SPL</b>               | 108dB continuous,114dB peak                                 |
| <b>IMPEDANCE</b>                 | 16 ohms nominal   |
| <b>DISPERSION(-6dB)</b>          | 90°×60°   |
| <b>CROSSOVER FREQUENCIES</b>     | 2.4kHz passive  |
| <b>INPUT CONNECTORS</b>          | covered barrier strip terminals                             |
| <b>PACKAGE SIZE</b>              | 528×222×407mm(1 pair)                                       |
| <b>NET WEIGHT</b>                | 5 kg/pc   |
| <b>GROSS WEIGHT</b>              | 15 kg/pair  |

|                                  |   |
|----------------------------------|---|
| <b>MODEL</b>                     | ES106BT/ES106WT   |
| <b>FREQUENCY RESPONSE(-3dB)</b>  | 60Hz-18kHz  |
| <b>FREQUENCY RESPONSE(-10dB)</b> | 55Hz-20kHz  |
| <b>DRIVERS</b>                   | 1×6"(150mm)/1.5"voice coil LF<br>1×1"(25mm)/1"voice coil HF |
| <b>INPUT VOLTAGE</b>             | 100V  |
| <b>RATED POWER</b>               | 80W RMS,320W peak   |
| <b>SENSITIVITY</b>               | 89dB 1watt/1 metre  |
| <b>MAXIMUM SPL</b>               | 108dB continuous,114dB peak                                 |
| <b>IMPEDANCE</b>                 | 16 ohms nominal   |
| <b>DISPERSION(-6dB)</b>          | 90°×60°   |
| <b>CROSSOVER FREQUENCIES</b>     | 2.4kHz passive  |
| <b>INPUT CONNECTORS</b>          | covered barrier strip terminals                             |
| <b>PACKAGE SIZE</b>              | 528×222×407mm(1 pair)                                       |
| <b>NET WEIGHT</b>                | 6 kg/pc   |
| <b>GROSS WEIGHT</b>              | 16 kg/pair  |

|                                  |   |
|----------------------------------|---|
| <b>MODEL</b>                     | ES108B/ES108W   |
| <b>FREQUENCY RESPONSE(-3dB)</b>  | 60Hz-18kHz  |
| <b>FREQUENCY RESPONSE(-10dB)</b> | 55Hz-20kHz  |
| <b>DRIVERS</b>                   | 1×8"(200mm)/2"voice coil LF<br>1×1"(25mm)/1"voice coil HF |
| <b>INPUT VOLTAGE</b>             | 100V  |
| <b>RATED POWER</b>               | 150W RMS,600W peak  |
| <b>SENSITIVITY</b>               | 94dB 1watt/1 metre  |
| <b>MAXIMUM SPL</b>               | 116dB continuous,122dB peak                               |
| <b>IMPEDANCE</b>                 | 16 ohms nominal   |
| <b>DISPERSION(-6dB)</b>          | 90°×50°   |
| <b>CROSSOVER FREQUENCIES</b>     | 2.3kHz passive  |
| <b>INPUT CONNECTORS</b>          | covered barrier strip terminals                           |
| <b>PACKAGE SIZE</b>              | 352×292×495mm   |
| <b>NET WEIGHT</b>                | 9 kg/pc   |
| <b>GROSS WEIGHT</b>              | 11 kg/pc  |

|                                  |   |
|----------------------------------|---|
| <b>MODEL</b>                     | ES108BT/ES108WT   |
| <b>FREQUENCY RESPONSE(-3dB)</b>  | 60Hz-18kHz  |
| <b>FREQUENCY RESPONSE(-10dB)</b> | 55Hz-20kHz  |
| <b>DRIVERS</b>                   | 1×8"(200mm)/2"voice coil LF<br>1×1"(25mm)/1"voice coil HF |
| <b>INPUT VOLTAGE</b>             | 100V  |
| <b>RATED POWER</b>               | 37.5W/75W/150W/OFF/16Ω                                    |
| <b>SENSITIVITY</b>               | 94dB 1watt/1 metre  |
| <b>MAXIMUM SPL</b>               | 116dB continuous,122dB peak                               |
| <b>IMPEDANCE</b>                 | 16 ohms nominal   |
| <b>DISPERSION(-6dB)</b>          | 90°×50°   |
| <b>CROSSOVER FREQUENCIES</b>     | 2.3kHz passive  |
| <b>INPUT CONNECTORS</b>          | covered barrier strip terminals                           |
| <b>PACKAGE SIZE</b>              | 352×292×495mm   |
| <b>NET WEIGHT</b>                | 10 kg/pc  |
| <b>GROSS WEIGHT</b>              | 12 kg/pc  |



## ES series **ES110S** **ES110SA**

Sub-woofer System

The **ES110S** is a single 10" subwoofer designed for sub-bass reinforcement to ES series, made of high quality plywood. ES110SA is equipped with BA1.3 digital amplifier module based on ES110S to be an active subwoofer.

ES110S是一款10"超低音箱。箱体采用倒相式设计，配置一只10" 50芯低音单元，箱体采用多层复合夹板，水性漆喷涂。ES110SA是在ES110S的基础上配置BA1.3功放组件成为有源超低音箱。

### FEATURES

- High quality plywood with special environmental protection paint
- Bass reflex design
- High temperature 2" (50mm) voice coil

### 产品特征

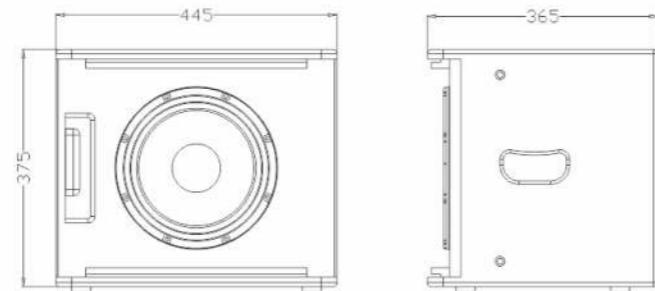
- 高质量单元配置，耐候夹板箱体
- 倒相式设计，低音强劲自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 配合ES系列全频音箱使用



### CONFIGURATION



|                                 |                              |
|---------------------------------|------------------------------|
| <b>MODEL</b>                    | <b>ES110S</b>                |
| <b>FREQUENCY RESPONSE(-3dB)</b> | 45Hz-300KHz                  |
| <b>DRIVERS</b>                  | 1×10"(250mm)/2"voice coil LF |
| <b>RATED POWER</b>              | 150W RMS,600W peak           |
| <b>SENSITIVITY</b>              | 94dB 1watt/1 metre           |
| <b>MAXIMUM SPL</b>              | 116dB continuous,122dB peak  |
| <b>IMPEDANCE</b>                | 8 ohms nominal               |
| <b>DISPERSION(-6dB)</b>         | —                            |
| <b>CROSSOVER FREQUENCIES</b>    | —                            |
| <b>INPUT CONNECTORS</b>         | Terminal Clamp               |
| <b>PACKAGE SIZE</b>             | 535mm×455mm×470mm            |
| <b>NET WEIGHT</b>               | 13 kg/pc                     |
| <b>GROSS WEIGHT</b>             | 15 kg/pc                     |

|                                 |  |
|---------------------------------|--|
| <b>MODEL</b>                    | <b>ES110SA</b>                         |
| <b>FREQUENCY RESPONSE(-3dB)</b> | 45Hz-300KHz                            |
| <b>DRIVERS</b>                  | 1×10"(250mm)/2"voice coil LF           |
| <b>RATED POWER</b>              | 300W/8Ω                                |
| <b>SENSITIVITY</b>              | —                                      |
| <b>MAXIMUM SPL</b>              | 116dB continuous,122dB peak            |
| <b>IMPEDANCE</b>                | —                                      |
| <b>DISPERSION(-6dB)</b>         | —                                      |
| <b>CROSSOVER FREQUENCIES</b>    | —                                      |
| <b>INPUT CONNECTORS</b>         | INPUT TYPE: Balanced Differential line |
| <b>PACKAGE SIZE</b>             | 535mm×455mm×470mm                      |
| <b>NET WEIGHT</b>               | 15 kg/pc                               |
| <b>GROSS WEIGHT</b>             | 17 kg/pc                               |



## ES series **ES112S** **ES112SA**

Sub-woofer System

The **ES112S** is a single 12" subwoofer designed for sub-bass reinforcement to ES series, made of high quality plywood. ES112SA is equipped with BA1.6 digital amplifier module based on ES112S to be an active subwoofer.

ES112S是一款12"超低音箱。箱体采用倒相式设计，配置一只12" 75芯低音单元，箱体采用多层复合夹板，水性漆喷涂。ES112SA是在ES112S的基础上配置BA1.6功放组件成为有源超低音箱。

### FEATURES

- High quality plywood with special environmental protection paint
- Bass reflex design
- High temperature 3" (75mm) voice coil

### 产品特征

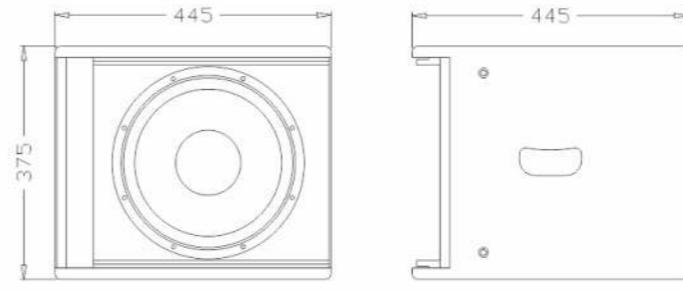
- 高质量单元配置，耐候夹板箱体
- 倒相式设计，低音强劲自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 配合ES系列全频音箱使用



### CONFIGURATION



|                                 |                               |
|---------------------------------|-------------------------------|
| <b>MODEL</b>                    | <b>ES112S</b>                 |
| <b>FREQUENCY RESPONSE(-3dB)</b> | 40Hz-300Hz                    |
| <b>DRIVERS</b>                  | 1×12"(300mm)/3""voice coil LF |
| <b>RATED POWER</b>              | 350W RMS,1400W peak           |
| <b>SENSITIVITY</b>              | 96dB 1watt/1 metre            |
| <b>MAXIMUM SPL</b>              | 121dB continuous,127 dB peak  |
| <b>IMPEDANCE</b>                | 8 ohms nominal                |
| <b>DISPERSION(-6dB)</b>         | —                             |
| <b>CROSSOVER FREQUENCIES</b>    | —                             |
| <b>INPUT CONNECTORS</b>         | Terminal Clamp                |
| <b>PACKAGE SIZE</b>             | 607mm×525mm×475mm             |
| <b>NET WEIGHT</b>               | 23 kg/pc                      |
| <b>GROSS WEIGHT</b>             | 25 kg/pc                      |



# MINI series

MINI 系列多功能音箱

## MINI series **MINI105**

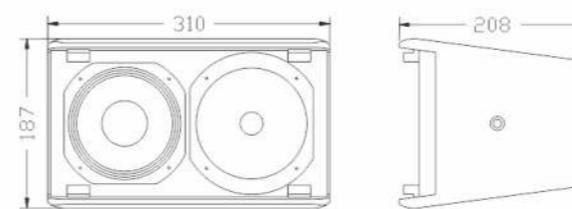
Two-way Loudspeaker System



The MINI 105 is a two-way loudspeaker system with one 5" woofer and 1" exit compression driver coupled to a round 140°×140° wide dispersion horn.

MINI 105是一款5"两分音箱。采用一只5"高效率低音单元,一只1"喉口25芯高分子聚脂膜高音驱动器配置140°×140°宽指向性号角,箱体采用多层复合夹板,水性环保喷涂制作。

### CONFIGURATION



|                                  |  |
|----------------------------------|--|
| <b>MODEL</b>                     | MINI105  |
| <b>FREQUENCY RESPONSE(-3dB)</b>  | 75Hz-18kHz   |
| <b>FREQUENCY RESPONSE(-10dB)</b> | 70Hz-20kHz   |
| <b>DRIVERS</b>                   | 1x5"(130mm)/1.5"voice coil LF<br>1x1"(25mm)/ 1"voice coil HF |
| <b>RATED POWER</b>               | 80W RMS,320W peak  |
| <b>SENSITIVITY</b>               | 89dB 1watt/1 metre   |
| <b>MAXIMUM SPL</b>               | 108dB continuous,114dB peak                                  |
| <b>IMPEDANCE</b>                 | 16 ohms nominal  |
| <b>DISPERSION(-6dB)</b>          | 140° × 140°  |
| <b>CROSSOVER FREQUENCIES</b>     | 2.3kHz passive   |
| <b>INPUT CONNECTORS</b>          | Terminal Clamp   |
| <b>PACKAGE SIZE</b>              | 583mm x 266mm x 405mm(carton/pair)                           |
| <b>NET WEIGHT</b>                | 6 kg/pc  |
| <b>GROSS WEIGHT</b>              | 14 kg/pair   |



## MINI series MINI106

Two-way Loudspeaker System

### FEATURES

- High quality plywood with special environmental protection paint
- Round 140°×140° wide dispersion horn
- Multi-angle rigging bracket
- Used for conference room, small clubs and luxury shops.

### 产品特征

- 高质量单元配置，多层复合夹板箱体
- 多种吊挂点，操作简易快捷
- 超长品质保证期：品质与信心的保证

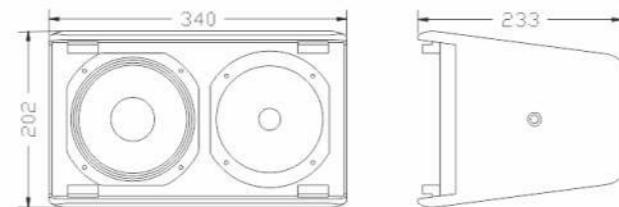
### 适用范围

- 用于语言会议系统、全频扩声
- 多功能厅、高级酒店会所
- 奢品店等

The MINI 106 is a two-way loudspeaker system with one 6" woofer and 1" exit compression driver coupled to a round 140°×140° wide dispersion horn.

MINI 106是一款6"两分音箱。采用一只6"高效率低音单元,一只1"喉口25芯高分子聚脂膜高音驱动器配置140°×140°宽指向性号角,箱体采用多层复合夹板,水性环保喷涂制作。

### CONFIGURATION



|                           |  |
|---------------------------|--|
| MODEL                     | MINI106  |
| FREQUENCY RESPONSE(-3dB)  | 65Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 60Hz-18kHz   |
| DRIVERS                   | 1x6"(150mm)/1.5"voice coil LF<br>1x1"(25mm)/ 1"voice coil HF |
| RATED POWER               | 80W RMS,320W peak  |
| SENSITIVITY               | 92dB 1watt/1 metre   |
| MAXIMUM SPL               | 111dB continuous,117dB peak                                  |
| IMPEDANCE                 | 16 ohms nominal  |
| DISPERSION(-6dB)          | 140° x 140°  |
| CROSSOVER FREQUENCIES     | 2.5kHz passive   |
| INPUT CONNECTORS          | Terminal Clamp   |
| PACKAGE SIZE              | 633mm x 281mm x 435mm(carton/pair)                           |
| NET WEIGHT                | 7 kg/pc  |
| GROSS WEIGHT              | 15 kg/pair   |

## MINI series MINI205

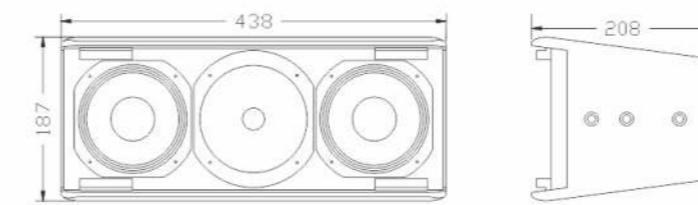
Two-way Loudspeaker System



The MINI 205 is a two-way loudspeaker system with two 5" woofer and 1" exit compression driver coupled to a round 140°×140° wide dispersion horn.

MINI 205是一款双5"两分音箱。采用两只5"高效率低音单元,一只1"喉口25芯高分子聚脂膜高音驱动器配置140°×140°宽指向性号角,箱体采用多层复合夹板,水性环保喷涂制作。

### CONFIGURATION



|                           |  |
|---------------------------|--|
| MODEL                     | MINI205  |
| FREQUENCY RESPONSE(-3dB)  | 75Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 70Hz-20kHz   |
| DRIVERS                   | 2x5"(130mm)/1.5"voice coil LF<br>1x1"(25mm)/ 1"voice coil HF |
| RATED POWER               | 160W RMS,640W peak   |
| SENSITIVITY               | 92dB 1watt/1 metre   |
| MAXIMUM SPL               | 114dB continuous,120dB peak                                  |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 140° x 140°  |
| CROSSOVER FREQUENCIES     | 2.2kHz passive   |
| INPUT CONNECTORS          | Terminal Clamp   |
| PACKAGE SIZE              | 583mm x 266mm x 533mm(carton/pair)                           |
| NET WEIGHT                | 9 kg/pc  |
| GROSS WEIGHT              | 19 kg/pair   |



## MINI series MINI206

Two-way Loudspeaker System

### FEATURES

- High quality plywood with special environmental protection paint
- Round 140°×140° wide dispersion horn
- Multi-angle rigging bracket
- Used for conference room, small clubs and luxury shops.

### 产品特征

- 高质量单元配置，多层复合夹板箱体
- 多种吊挂点，操作简易快捷
- 超长品质保证期：品质与信心的保证

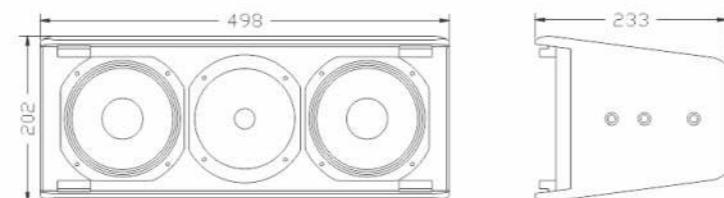
### 适用范围

- 用于语言会议系统、全频扩声
- 多功能厅、高级酒店会所
- 奢品店等

The MINI 206 is a two-way loudspeaker system with two 6" woofer and 1" exit compression driver coupled to a round 140°×140° wide dispersion horn.

MINI 206是一款双6"两分音箱。采用两只6"高效率低音单元,一只1"喉口25芯高分子聚脂膜高音驱动器配置140°×140°宽指向性号角,箱体采用多层复合夹板,水性环保喷涂制作。

### CONFIGURATION



|                           |  |
|---------------------------|--|
| MODEL                     | MINI206  |
| FREQUENCY RESPONSE(-3dB)  | 65Hz-18KHz   |
| FREQUENCY RESPONSE(-10dB) | 60Hz-20KHz   |
| DRIVERS                   | 2x6"(150mm)/1.5"voice coil LF<br>1x1"(25mm)/ 1"voice coil HF |
| RATED POWER               | 160W RMS,640W peak   |
| SENSITIVITY               | 95dB 1watt/1 metre   |
| MAXIMUM SPL               | 117dB continuous,123dB peak                                  |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 140° x 140°  |
| CROSSOVER FREQUENCIES     | 2.1kHz passive   |
| INPUT CONNECTORS          | Terminal Clamp   |
| PACKAGE SIZE              | 633mm x 281mm x 593mm(carton/pair)                           |
| NET WEIGHT                | 10 kg/pc   |
| GROSS WEIGHT              | 22 kg/pair   |

## MINI 112S MINI series MINI 112SAS

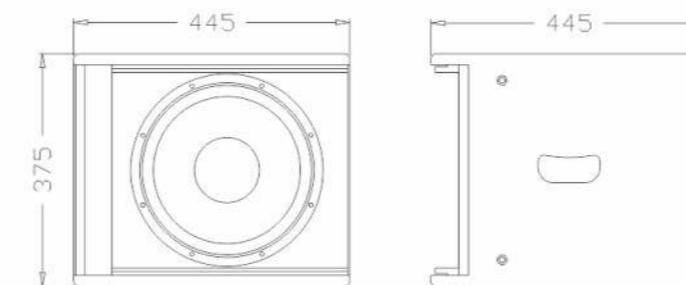
Sub-woofer System

The MINI 112S is a single 12" low frequency enclosure designed for sub-bass reinforcement to MINI compact system, made of high quality plywood. MINI112SAS is equipped with SA3.336 digital amplifier module to be an active system with left & right side full range output and sub output based on MINI112S.

MINI112S是一款超低音箱。采用一只12寸75芯低音单元,倒项式箱体设计,箱体采用多层复合夹板,水性喷漆制作。MINI112SAS是在MINI112S的基础上配置SA3.336功放组件,与MINI全频音箱配合使用而成为有源系统。



### CONFIGURATION



|                          |                                 |
|--------------------------|---------------------------------|
| MODEL                    | MINI112S                        |
| FREQUENCY RESPONSE(-3dB) | 40Hz-300Hz                      |
| DRIVERS                  | 1x12"(300mm)<br>3"voice coil LF |
| RATED POWER              | 350W RMS,1400W peak             |
| SENSITIVITY              | 96dB 1watt/1 metre              |
| MAXIMUM SPL              | 121dB continuous,127dB peak     |
| IMPEDANCE                | 8 ohms nominal                  |
| INPUT CONNECTORS         | Terminal Clamp                  |
| PACKAGE SIZE             | 607mm x 525mm x 475mm           |
| NET WEIGHT               | 23 kg/pc                        |
| GROSS WEIGHT             | 25 kg/pc                        |



### FEATURES

- High quality plywood with special environmental protection paint
- Bass reflex design
- High temperature 3"(75mm) voice coil
- Top hat fitting for pole mounting to MINI full range speakers

### 产品特征

- 数字功放, 内置DSP信息处理器
- 具有超低音及左右两通道全频功率输出功能
- 可与多种全频音箱组合, 操作简易快捷
- 高质量单元配置, 高强度夹板箱体
- 超长品质保证期: 品质与信心的保证

### 适用范围

- 会议室、多功能厅

# KH series

娱乐音箱系列


[www.fdbaudio.com](http://www.fdbaudio.com)


## KHseries KH10

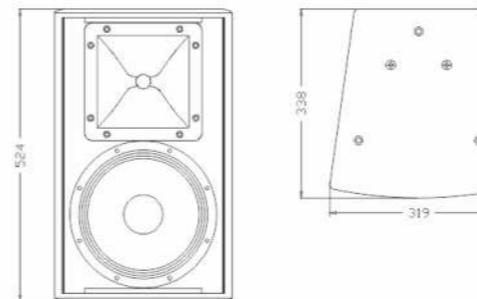
Two-way Loudspeaker System



The KH10 is a two-way full-range loudspeaker designed for KTV rooms, made of high quality plywood, back vented design. Fitted with one 10" woofer and one 1" exit compression driver coupled to a rotatable horn.

KH10是一款专门为KTV固定安装使用而设计的10"两分音全音域音箱。箱体采用经典的后倒相式设计，采用一只10"高效率低音单元,一只1"喉口44芯高音驱动器配置特别设计的可旋转号角，箱体采用多层复合夹板，水性漆喷涂。KH10不仅具备极佳的歌唱表现力，而且在音乐听感方面也表现非凡。

### CONFIGURATION



### FEATURES

- High quality plywood with special environmental protection paint
- More full sub with back vented design
- Rotatable horn
- Flexible mounting options
- Good used for KTV and entertainment venues

### 产品特征

- 高品质单元配置，多层复合夹板箱体
- 可旋转号角、多个吊挂点，满足不同安装需求
- 后倒相设计低音更加丰满
- 超长品质保证期：品质与信心的保证

### 适用范围

- KTV等娱乐场所

#### MODEL

KH10

55Hz-18kHz

50Hz-20kHz

1×10"(250mm)/2.5"voice coil LF

1×1"(25mm)/1.7"voice coil HF

250W RMS,1000W peak

96dB 1watt/1 metre

120dB continuous,126dB peak

8 ohms nominal

100°×70°

2.2kHz passive

2×Speakon NL4

428mm×410mm×619mm

16 kg/pc

18 kg/pc

[www.fdbaudio.com](http://www.fdbaudio.com)



## KH series KH12

Two-way Loudspeaker System

The KH12 is a two-way full-range loudspeaker designed for KTV rooms, made of high quality plywood, back vented design. Fitted with one 12" woofer and one 1" exit compression driver coupled to a rotatable horn.

### FEATURES

- High quality plywood with special environmental protection paint
- Rotatable horn
- More full sub with back vented design
- Flexible mounting options
- Good used for KTV and entertainment venues

### 产品特征

- 高品质单元配置，多层复合夹板箱体
- 可旋转号角、多个吊挂点，满足不同安装需求
- 后倒相设计低音更加丰满
- 超长品质保证期：品质与信心的保证

### 适用范围

- KTV等娱乐场所

|                           |  |
|---------------------------|--|
| MODEL                     | KH12   |
| FREQUENCY RESPONSE(-3dB)  | 45Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 40Hz-20kHz   |
| DRIVERS                   | 1x12"(300mm)/3"voice coil LF<br>1x1"(25mm) / 1.7"voice coil HF |
| RATED POWER               | 300W RMS,1200W peak  |
| SENSITIVITY               | 97dB 1watt/1 metre   |
| MAXIMUM SPL               | 122dB continuous,128dB peak                                    |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 100° x 70°   |
| CROSSOVER FREQUENCIES     | 2KHz passive   |
| INPUT CONNECTORS          | 2×Speakon NL4  |
| PACKAGE SIZE              | 490mm×475mm×695mm  |
| NET WEIGHT                | 22 kg/pc   |
| GROSS WEIGHT              | 25 kg/pc   |



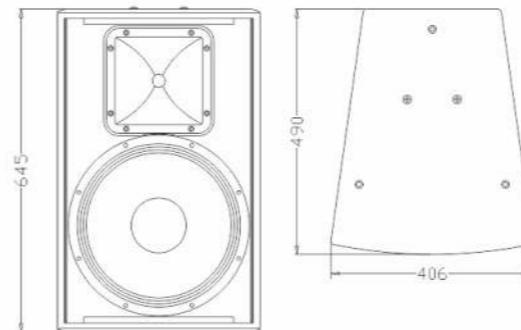
## KH series KH13

Two-way Loudspeaker System

The KH13 is a two-way full-range loudspeaker designed for KTV rooms, made of high quality plywood, back vented design. Fitted with one 13" woofer and one 1" exit compression driver coupled to a rotatable horn.

KH13是一款专门为KTV固定安装使用而设计的13"两分音全音域音箱。箱体采用经典的后倒相式设计，采用一只13"高效率低音单元,一只1"喉口44芯高音驱动器配置特别设计的可旋转号角，箱体采用多层复合夹板，水性漆喷涂。KH13不仅具备极佳的歌唱表现力，而且在音乐听感方面也表现非凡。

### CONFIGURATION



|                           |  |
|---------------------------|--|
| MODEL                     | KH13   |
| FREQUENCY RESPONSE(-3dB)  | 50Hz-16kHz   |
| FREQUENCY RESPONSE(-10dB) | 45Hz-18kHz   |
| DRIVERS                   | 1x13"(350mm)/3"voice coil LF<br>1x1"(25mm) / 1.7"voice coil HF |
| RATED POWER               | 400W RMS,1600W peak  |
| SENSITIVITY               | 97dB 1watt/1 metre   |
| MAXIMUM SPL               | 123dB continuous,129 dB peak                                   |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 100° x 70°   |
| CROSSOVER FREQUENCIES     | 2KHz passive   |
| INPUT CONNECTORS          | 2×Speakon NL4  |
| PACKAGE SIZE              | 406mm×490mm×645mm  |
| NET WEIGHT                | 27 kg/pc   |
| GROSS WEIGHT              | 30 kg/pc   |



### FEATURES

- High quality plywood with special environmental protection paint
- Rotatable horn
- Flexible mounting options
- Good used for KTV and entertainment venues

### 产品特征

- 高品质单元配置，多层复合夹板箱体
- 可旋转号角、多个吊挂点，满足不同安装需求
- 后倒相设计低音更加丰满
- 超长品质保证期：品质与信心的保证

### 适用范围

- KTV等娱乐场所

# KR series

KR系列 娱乐音箱



## KRseries KR10

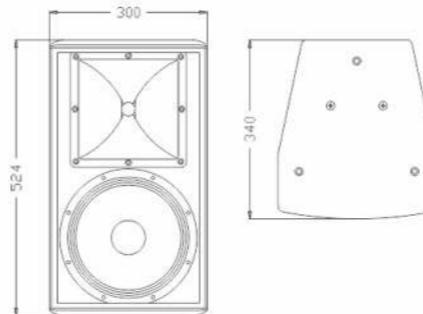
Two-way Loudspeaker System



The KR10 is a 2-way full-range loudspeaker designed for KTV rooms. Fitted with one 10" woofer and one 1" exit compression driver coupled to a rotatable 100°×70° horn.

KR10是一款专门为KTV固定安装使用而设计的10"两分音全音域音箱。采用一只10"高效率低音单元,一只1"喉口44芯高音驱动器配置100°×70°可旋转号角,箱体采用多层复合夹板,特殊环保喷涂制作。KR10不仅具备极佳的歌唱表现力,而且在音乐听感方面也表现非凡。

### CONFIGURATION



|                           |  |
|---------------------------|--|
| MODEL                     | KR10   |
| FREQUENCY RESPONSE(-3dB)  | 55Hz-18kHz   |
| FREQUENCY RESPONSE(-10dB) | 50Hz-20kHz   |
| DRIVERS                   | 1×10"(250mm)/2.5"voice coil LF<br>1×1"(25mm) / 1.7"voice coil HF |
| RATED POWER               | 250W RMS,1000W peak  |
| SENSITIVITY               | 95dB 1watt/1 metre   |
| MAXIMUM SPL               | 119dB continuous,126dB peak                                      |
| IMPEDANCE                 | 8 ohms nominal   |
| DISPERSION(-6dB)          | 100° × 70°   |
| CROSSOVER FREQUENCIES     | 2.3kHz passive   |
| INPUT CONNECTORS          | 2× Speakon NL4   |
| PACKAGE SIZE              | 430mm × 390mm × 620mm  |
| NET WEIGHT                | 16 kg/pc   |
| GROSS WEIGHT              | 19 kg/pc   |

### FEATURES

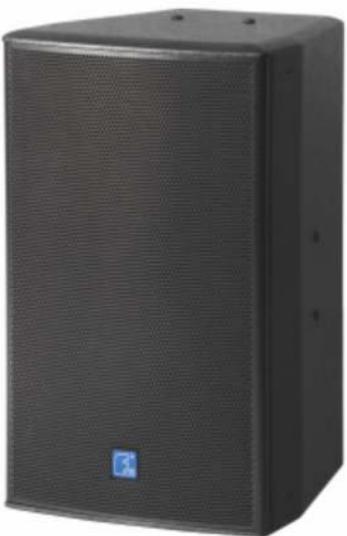
- High quality plywood with special environmental protection paint
- Rotatable 100° × 70° horn;
- More full sub with back vent design
- Flexible mounting options
- Good used for KTV and entertainment venues

### 产品特征

- 高品质单元配置, 多层复合夹板箱体
- 可旋转号角、多个吊挂点, 满足不同安装需求
- 后倒相设计低音更加丰满
- 超长品质保证期: 品质与信心的保证

### 适用范围

- KTV等娱乐场所



## KRseries KR12

Two-way Loudspeaker System

The KR12 is a 2-way full-range loudspeaker designed for KTV rooms. Fitted with one 12" woofer and one 1" exit compression driver coupled to a rotatable 100°×70° horn.

### FEATURES

- High quality plywood with special environmental protection paint
- Rotatable 100° × 70° horn;
- More full sub with back vent design
- Flexible mounting options
- Good used for KTV and entertainment venues

### 产品特征

- 高品质单元配置，多层复合夹板箱体
- 可旋转号角、多个吊挂点，满足不同安装需求
- 后倒相设计低音更加丰满
- 超长品质保证期：品质与信心的保证

### 适用范围

- KTV等娱乐场所

#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

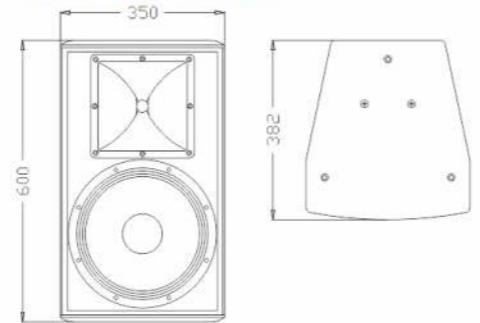
#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

KR12 is a two-way full-range loudspeaker designed for KTV rooms. Fitted with one 12" woofer and one 1" exit compression driver coupled to a rotatable 100°×70° horn.

### CONFIGURATION



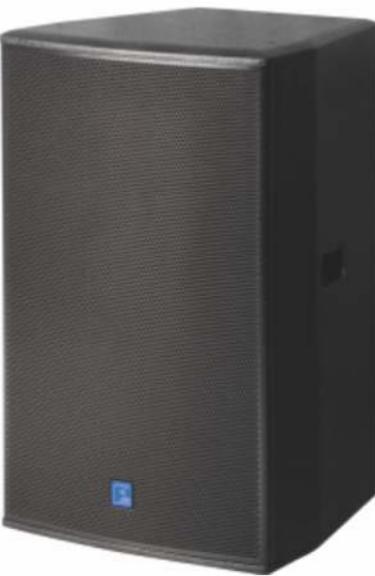
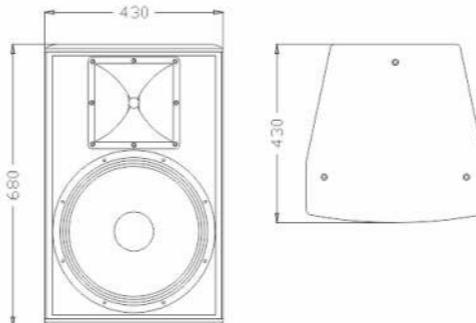
## KRseries KR15

Two-way Loudspeaker System

The KR15 is a two-way full-range loudspeaker designed for KTV rooms. Fitted with one 15" woofer and one 1" exit compression driver coupled to a rotatable 100°×70° horn.

KR15 is a two-way full-range loudspeaker designed for KTV rooms. Fitted with one 15" woofer and one 1" exit compression driver coupled to a rotatable 100°×70° horn.

### CONFIGURATION



### FEATURES

- High quality plywood with special environmental protection paint
- Rotatable 100° × 70° horn;
- More full sub with back vent design
- Flexible mounting options
- Good used for KTV and entertainment venues

### 产品特征

- 高品质单元配置，多层复合夹板箱体
- 可旋转号角、多个吊挂点，满足不同安装需求
- 后倒相设计低音更加丰满
- 超长品质保证期：品质与信心的保证

### 适用范围

- KTV等娱乐场所

#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT

#### MODEL

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

#### DRIVERS

#### RATED POWER

#### SENSITIVITY

#### MAXIMUM SPL

#### IMPEDANCE

#### DISPERSION(-6dB)

#### CROSSOVER FREQUENCIES

#### INPUT CONNECTORS

#### PACKAGE SIZE

#### NET WEIGHT

#### GROSS WEIGHT



## KRseries KR118B

Sub-woofer System

The KR118B is a single 18" low frequency enclosure designed for sub-bass reinforcement to KR series.

### FEATURES

- High quality plywood with special environmental protection paint
- Bandpass 18"(460mm) sub-bass
- High temperature 4"(100mm) voice coil
- Good used for KTV, entertainment venues, hotels, moving performance, multi-purpose hall and band

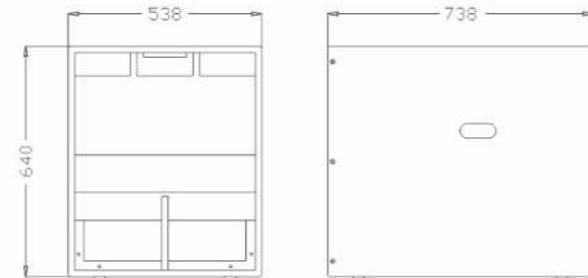
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 带通式设计，低音强劲自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于有超低音重放需求的高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声”

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

DRIVERS

RATED POWER

SENSITIVITY

MAXIMUM SPL

IMPEDANCE

INPUT CONNECTORS

PACKAGE SIZE

NET WEIGHT

GROSS WEIGHT

### MODEL

FREQUENCY RESPONSE(-3dB)

DRIVERS

RATED POWER

SENSITIVITY

MAXIMUM SPL

IMPEDANCE

INPUT CONNECTORS

PACKAGE SIZE

NET WEIGHT

GROSS WEIGHT



## KRseries KR218B

Sub-woofer System

The KR218B is a double 18" low frequency enclosure. Provides deep and punchy bass suitable for all club applications as part of the KR series.

KR218B是一款双18"超低音箱。采用两只18"100芯超低音单元，带通式箱体设计，箱体采用多层复合夹板，特殊喷涂制作。

### FEATURES

- High quality plywood with special environmental protection paint
- Bandpass dual 18"(460mm) sub-bass
- High temperature 4"(100mm) voice coil
- High power output
- Good used for KTV, entertainment venues, hotels, moving performance, multi-purpose hall and band

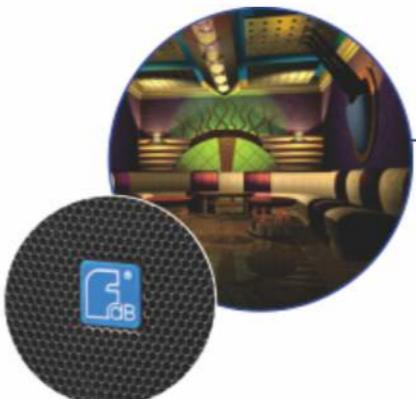
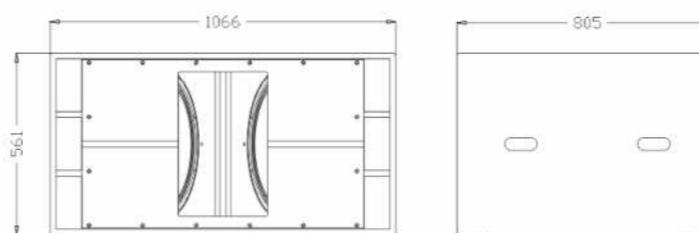
### 产品特征

- 高质量单元配置，高强度夹板箱体
- 带通式设计，低音浑厚自然
- 超长品质保证期：品质与信心的保证

### 适用范围

- 用于有超低音重放需求的高级卡拉OK包房、慢摇吧
- 多功能厅、高级酒店会所
- 流动商演、乐队扩声”

### CONFIGURATION



### MODEL

FREQUENCY RESPONSE(-3dB)

DRIVERS

RATED POWER

SENSITIVITY

MAXIMUM SPL

IMPEDANCE

INPUT CONNECTORS

PACKAGE SIZE

NET WEIGHT

GROSS WEIGHT

### MODEL

FREQUENCY RESPONSE(-3dB)

DRIVERS

RATED POWER

SENSITIVITY

MAXIMUM SPL

IMPEDANCE

INPUT CONNECTORS

PACKAGE SIZE

NET WEIGHT

GROSS WEIGHT

# KW series

## KARAOKE SYSTEM



### KW-310R KWseriesKW-310C

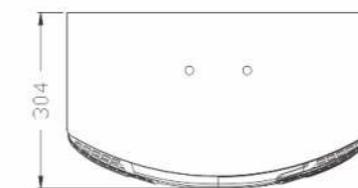
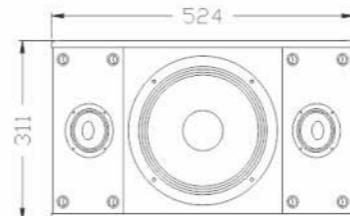
Two-way Loudspeaker System



The KW-310 is three speakers two way loudspeaker for KTV, one 10" woofer, two 3" cone tweeter

KW-310是一款10"三单元两分音全音域音箱。采用一只10"发泡边低音单元，两只3"纸盆高音，箱体采用高密度复合板，贴耐磨加厚磨砂PVC制作。

#### CONFIGURATION



#### FEATURES

- High quality MDF construction
- Three speakers two-way loudspeaker for KTV
- One 10" woofer, two 3" paper cone tweeter
- Protection function, double alnico magnetic flow design
- Natural and fluent sound to provide stereo sound field

#### 产品特征

- 高质量单元配置,高密度复合板箱体
- 标准吊挂装置
- 超长品质保证期: 品质与信心的保证

#### 适用范围

- 用于全音域扩声、卡拉OK系统
- 背景音乐，量贩式卡拉OK等



|                                  |                                |
|----------------------------------|--------------------------------|
| <b>MODEL</b>                     | KW-310                         |
| <b>FREQUENCY RESPONSE(-3dB)</b>  | 35Hz-18kHz                     |
| <b>FREQUENCY RESPONSE(-10dB)</b> | 30Hz-20kHz                     |
| <b>DRIVERS</b>                   | 1×10"(250mm)Woofer             |
|                                  | 2×3"(75mm) cone tweeter        |
| <b>RATED POWER</b>               | 150W RMS,600W peak             |
| <b>SENSITIVITY</b>               | 92dB 1watt/1 metre             |
| <b>MAXIMUM SPL</b>               | 114 dB continuous,120dB peak   |
| <b>IMPEDANCE</b>                 | 8 ohms nominal                 |
| <b>CROSSOVER FREQUENCIES</b>     | 1.5 kHz passive                |
| <b>INPUT CONNECTORS</b>          | Terminal Clamp                 |
| <b>PACKAGE SIZE</b>              | 725mm×405mm×624mm(carton/pair) |
| <b>NET WEIGHT</b>                | 11 kg/pc                       |
| <b>GROSS WEIGHT</b>              | 26 kg/Pair                     |

**FEATURES**

- High quality MDF construction
- Five speakers two-way loudspeaker for KTV
- One 10" woofer, two 4" cone mid, two 3" cone tweeter
- Protection function, double alnico magnetic flow design
- Natural and fluent sound to provide stereo sound field

**产品特征**

- 高质量单元配置，高密度复合板箱体
- 标准吊挂装置
- 超长品质保证期：品质与信心的保证

**适用范围**

- 用于全音域扩声、卡拉OK系统
- 背景音乐，量贩式卡拉OK等

**MODEL**

FREQUENCY RESPONSE(-3dB)

FREQUENCY RESPONSE(-10dB)

**DRIVERS****RATED POWER****SENSITIVITY****MAXIMUM SPL****IMPEDANCE****CROSSOVER FREQUENCIES****INPUT CONNECTORS****PACKAGE SIZE****NET WEIGHT****GROSS WEIGHT**

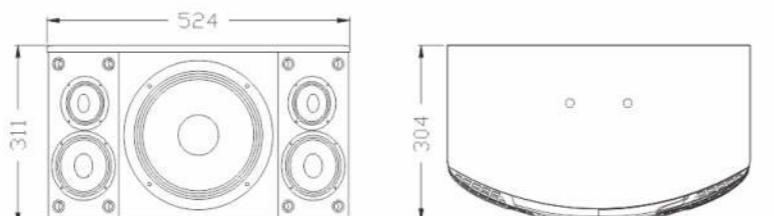
|                                |
|--------------------------------|
| KW510                          |
| 35Hz-18kHz                     |
| 30Hz-20kHz                     |
| 1×10"(250mm)Woofer             |
| 2×4"(100mm) cone mid           |
| 2×3"(75mm) cone tweeter        |
| 150W RMS,600W peak             |
| 92dB 1watt/1 metre             |
| 114 dB continuous,120dB peak   |
| 8 ohms nominal                 |
| 1.5KHz, 3KHz passive           |
| Terminal Clamp                 |
| 725mm×405mm×624mm(carton/pair) |
| 12 kg /pc                      |
| 28 kg/Pair                     |

# KW-510R KWseries KW-510C

Three-way Loudspeaker System

The KW-510 is five speakers three way loudspeaker for KTV, one 10" woofer, two 4" cone mid ,two 3" cone tweeter.

KW-510是一款10" 五单元三分音全音域音箱。采用一只10" 发泡边低音单元，两只4" 纸盆中音，两只3" 纸盆高音，箱体采用高密度复合板，贴耐磨加厚磨砂PVC制作。

**CONFIGURATION**



## CXseries CX10 CX10A

### Two-way Loudspeaker System

The **CX10** is a two-way structure plastic cabinet system with waterproof and sunscreening housing. Fitted with one 10" woofer and one 1"(25mm)exit compression driver coupled to a 90°× 60 ° horn. CX10A is equipped with 150W analogue amplifier to be an active plastic speaker based on CX10.

CX10是一款10寸两分音全音域工程塑胶音箱。采用一只10寸高效率低音单元，一只1寸喉口25芯高分子聚酯膜高音驱动器，箱体采用工程塑胶注塑而成。CX10A是在CX10的基础上配置200W模拟功放组件成为有源音箱。

#### FEATURES

- Strong plastic cabinet
- Molded-in 90°× 60 ° horn
- High power output
- Structure plastic cabinet, waterproof and sunscreening



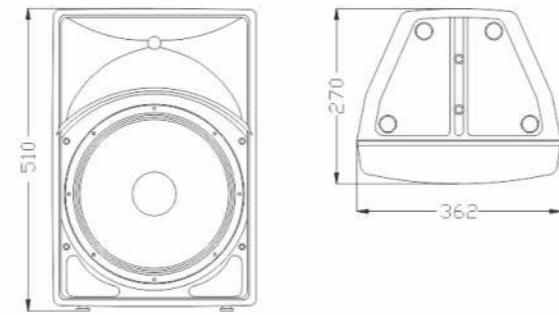
#### 产品特征

- 高质量单元配置,工程塑胶箱体,适合全天候使用
- 多吊挂点与支撑配合,可以固定安装与流动使用
- 超长品质保证期: 品质与信心的保证

#### 适用范围

- 用于全音域扩声、语言会议系统
- 多功能厅、学校教室

#### CONFIGURATION



#### MODEL

**FREQUENCY RESPONSE(-3dB)**

55Hz-20kHz

**FREQUENCY RESPONSE(-10dB)**

50Hz-20kHz

#### DRIVERS

1×10"(250mm)/2" voice coil LF

1×1"(25mm)/ 1"voice coil HF

150W RMS,600W peak

**SENSITIVITY**

95dB 1watt/1 metre

**MAXIMUM SPL**

117 dB continuous,123dB peak

**IMPEDANCE**

8 ohms nominal

**DISPERSION(-6dB)**

90°×60°

**CROSSOVER FREQUENCIES**

2.5 kHz passive

**INPUT CONNECTORS**

2×Speakon NL4

**PACKAGE SIZE**

405mmx325mmx565mm

**NET WEIGHT**

10 kg /pc

**GROSS WEIGHT**

12 kg/pc

#### MODEL

**FREQUENCY RESPONSE(-3dB)**

55Hz-20kHz

**FREQUENCY RESPONSE(-10dB)**

50Hz-20kHz

**DRIVERS**

1×10"(250mm)/2" voice coil LF

1×1"(25mm)/ 1"voice coil HF

200W/8Ω

**SENSITIVITY**

/

**MAXIMUM SPL**

117 dB continuous,123dB peak

**IMPEDANCE**

Line 20k ohm Mic: 2k ohm

**DISPERSION(-6dB)**

90°×60°

**CROSSOVER FREQUENCIES**

2.5 kHz passive

**INPUT CONNECTORS**

2×Speakon NL4

**PACKAGE SIZE**

405mmx325mmx565mm

**NET WEIGHT**

13 kg /pc

**GROSS WEIGHT**

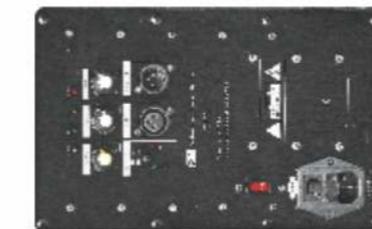
15 kg/pc

## CXseries CX12 CX12A

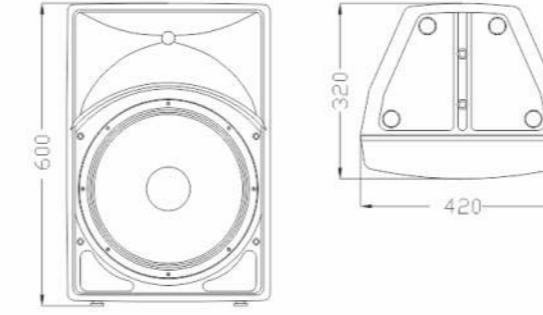
### Two-way Loudspeaker System

The **CX12** is a two-way structure plastic cabinet system with waterproof and sunscreening housing. Fitted with one 12" woofer and one 1"(25mm)exit compression driver coupled to a 90°× 60 ° horn. CX12A is equipped with 250W analogue amplifier to be an active plastic speaker based on CX12.

CX12是一款12寸两分音全音域工程塑胶音箱。采用一只12寸高效率低音单元，一只1寸喉口25芯高分子聚酯膜高音驱动器，箱体采用工程塑胶注塑而成。CX12A是在CX12的基础上配置250W模拟功放组件成为有源音箱。



#### CONFIGURATION



#### FEATURES

- Strong plastic cabinet
- Molded-in 90°× 60 ° horn
- High power output
- Structure plastic cabinet, waterproof and sunscreening

#### 产品特征

- 高质量单元配置,工程塑胶箱体,适合全天候使用
- 多吊挂点与支撑配合,可以固定安装与流动使用
- 超长品质保证期: 品质与信心的保证

#### 适用范围

- 用于全音域扩声、语言会议系统
- 小型室内外扩声, 流动演出



## CX15 CX150A

### Two-way Loudspeaker System

The **CX15** is a two-way structure plastic cabinet system with waterproof and sunscreening housing. Fitted with one 15" woofer and one 1"(25mm)exit compression driver coupled to a 90°×60 ° horn. CX150A is a high power active plastic speaker, equipped with 300W+100W 2-way analogue amplifier.

CX15是一款15寸两分音全音域工程塑胶音箱。采用一只15寸高效率低音单元，一只1寸喉口25芯高分子聚酯膜高音驱动器，箱体采用工程塑胶注塑而成。CX150A是一款15寸大功率有源音箱，采用一只15寸高效率低音单元，一只1寸喉口44芯高音驱动器，配置300W+100W模拟功放组件。



#### FEATURES

- Strong plastic cabinet
- Molded-in 90°×60 ° horn
- High power output
- Structure plastic cabinet, waterproof and suncreening

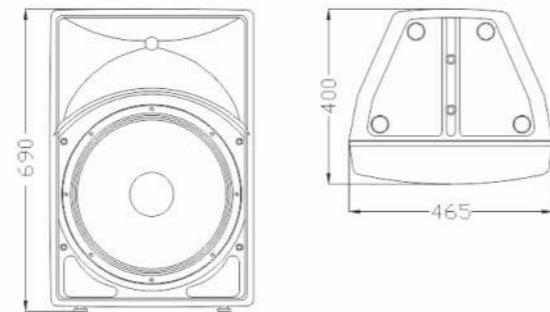
#### 产品特征

- 高质量单元配置,工程塑胶箱体,适合全天候使用
- 多吊挂点与支撑配合,可以固定安装与流动使用
- 超长品质保证期: 品质与信心的保证

#### 适用范围

- 用于全音域扩声、语言会议系统
- 小型室内外扩声, 流动演出

#### CONFIGURATION



|                                  |   |
|----------------------------------|---|
| <b>MODEL</b>                     | CX15  |
| <b>FREQUENCY RESPONSE(-3dB)</b>  | 40Hz-20kHz  |
| <b>FREQUENCY RESPONSE(-10dB)</b> | 35Hz-20kHz  |
| <b>DRIVERS</b>                   | 1x15"(380mm)/2.5"voice coil LF<br>1x1"(25mm)/ 1"voice coil HF |
| <b>RATED POWER</b>               | 300W RMS,1200W peak   |
| <b>SENSITIVITY</b>               | 97dB 1watt/1 metre  |
| <b>MAXIMUM SPL</b>               | 122dB continuous,128dB peak                                   |
| <b>IMPEDANCE</b>                 | 8 ohms nominal  |
| <b>DISPERSION(-6dB)</b>          | 90°×60°   |
| <b>CROSSOVER FREQUENCIES</b>     | 2.2kHz passive  |
| <b>INPUT CONNECTORS</b>          | 2×Speakon NL4   |
| <b>PACKAGE SIZE</b>              | 530mmx490mmx775mm   |
| <b>NET WEIGHT</b>                | 19 kg/pc  |
| <b>GROSS WEIGHT</b>              | 22 kg/pc  |

|                                  |   |
|----------------------------------|---|
| <b>MODEL</b>                     | CX150A  |
| <b>FREQUENCY RESPONSE(-3dB)</b>  | 40Hz-20kHz  |
| <b>FREQUENCY RESPONSE(-10dB)</b> | 35Hz-20kHz  |
| <b>DRIVERS</b>                   | 1x15"(380mm)/3"voice coil LF<br>1x1"(25mm)/ 1.7"voice coil HF |
| <b>RATED POWER</b>               | 300W/8Ω+100W/8Ω   |
| <b>SENSITIVITY</b>               | /   |
| <b>MAXIMUM SPL</b>               | 122dB continuous,128 dBpeak                                   |
| <b>IMPEDANCE</b>                 | Line 20k ohm Mic: 2k ohm                                      |
| <b>DISPERSION(-6dB)</b>          | 90°×60°   |
| <b>CROSSOVER FREQUENCIES</b>     | /   |
| <b>INPUT CONNECTORS</b>          | /   |
| <b>PACKAGE SIZE</b>              | 530mmx490mmx775mm   |
| <b>NET WEIGHT</b>                | 28 kg/pc  |
| <b>GROSS WEIGHT</b>              | 32 kg/pc  |

## Cseries C500/C600/C800

### High-performance Ceiling Speaker

**C500/C600/C800 series high-performance ceiling speaker**, designed for a wide range of commercial applications, suitable for language, foreground & background music of retail stores, restaurants, hotels, etc. The simple and generous appearance design makes the loudspeaker visually integrated into the ceiling decoration, which is in line with the safety labeling of many escape systems around the world.

C500/C600/C800系列高性能吸顶安装扬声器，采用复合边中低音单元和球顶高音同轴设计，适合零售店、餐厅、酒店等场所的前景、背景音乐播放和语言扩声。简约大方的外观设计使扬声器视觉上完全融入天花装饰中，该系列产品符合全球众多逃生系统安全标注。



|                                 |                             |
|---------------------------------|-----------------------------|
| <b>MODEL</b>                    | C500                        |
| <b>FREQUENCY RESPONSE(-3dB)</b> | 70Hz-18KHz                  |
| <b>RATED POWER</b>              | 30W RMS,120W peak           |
| <b>SENSITIVITY</b>              | 85dB 1watt/1meter           |
| <b>MAXIMUM SPL</b>              | 100dB continuous,106dB peak |
| <b>IMPEDANCE</b>                | 8 ohms nominal              |
| <b>DISPERSION(-6dB)</b>         | 140°                        |
| <b>NET WEIGHT</b>               | 1.3kg/pc                    |
| <b>MODEL</b>                    | C600                        |
| <b>FREQUENCY RESPONSE(-3dB)</b> | 55Hz-18KHz                  |
| <b>RATED POWER</b>              | 40W RMS,160W peak           |
| <b>SENSITIVITY</b>              | 86dB 1watt/1meter           |
| <b>MAXIMUM SPL</b>              | 101dB continuous,107dB peak |
| <b>IMPEDANCE</b>                | 8 ohms nominal              |
| <b>DISPERSION(-6dB)</b>         | 130°                        |
| <b>NET WEIGHT</b>               | 1.7kg/pc                    |
| <b>MODEL</b>                    | C800                        |
| <b>FREQUENCY RESPONSE(-3dB)</b> | 50Hz-18KHz                  |
| <b>RATED POWER</b>              | 50W RMS,200W peak           |
| <b>SENSITIVITY</b>              | 87dB 1watt/1meter           |
| <b>MAXIMUM SPL</b>              | 103dB continuous,109dB peak |
| <b>IMPEDANCE</b>                | 8 ohms nominal              |
| <b>DISPERSION(-6dB)</b>         | 120°                        |
| <b>NET WEIGHT</b>               | 1.9kg/pc                    |

# ELECTRONIC series

电子产品系列



[www.fdbaudio.com](http://www.fdbaudio.com)

## TA series

TA 系列专业功率放大器  
TA SERIES POWER AMPLIFIER

TA系列专业功放采用特殊的电路设计技术，注重产品在长期连续满功率使用条件下的稳定性，PCB板主要部件采用SMT贴片技术制造，且通过计算机模拟仿真系统设计的电路布局，使功率放大器有着很高的信噪比和抗干扰能力，TA系列的产品具有较高阻尼系数和完善滤波系统，使高频更细腻柔和，低频更富有弹性。

The TA series professional amplifier using special circuit design techniques, focusing on the stability of the products in the long-term continuous full power conditions, the main components of the PCB board using SMT technology manufacturing, and circuit layout design through computer simulation system, so that the amplifier has a very high signal to noise ratio and anti-jamming capability. The TA series with higher damping and perfect filtering system, so that high frequency is more delicate and soft, low-frequency is more flexible.



### SPECIFICATIONS

| 型号: MODEL                         | TA4.2  | TA7.2        | TA9.2       | TA11.2       | TA14.2  |
|-----------------------------------|--|--------------|-------------|--------------|---------|
| 输出功率<br>(EIA 1KHZ 1% THD)         |  |              |             |              |         |
| 立体声:STEREO POWER<br>8 ohms        | 2×400W   | 2×650W       | 2×900W      | 2×1050W      | 2×1380W |
| 立体声:STEREO POWER<br>4 ohms        | 2×600W   | 2×980W       | 2×1350W     | 2×1700W      | 2×2288W |
| 桥接:BRIDGE POWER<br>8 ohms         | 1200W  | 1960W        | 2700W       | 3400W        | 4576W   |
| 频响:<br>FREQUENCY RESPONSE         | 20Hz-20kHz, ±1dB   |              |             |              |         |
| 输入灵敏度:<br>INPUT SENSITIVITY       | 0.77V  | 0.77V        | 0.77V       |              |         |
| 信噪比:<br>SIGNAL TO NOISE           | ≥95dB  | ≥98dB        | ≥95dB       | ≥91dB        |         |
| 失真度:<br>THD                       | ≤0.03%   | ≤0.05%       | ≤0.03%      |              |         |
| 输入阻抗:<br>INPUT IMPEDANCE          | 20KΩ(平衡/BALANCED) /10KΩ(非平衡/UN-BALANCED)   |              |             |              |         |
| 分离度:(8 ohm 1Khz)<br>CROSSTALK     | >70 dB   | 62 dB        | >70 dB      | >73 dB       |         |
| 阻尼系数:(5Hz-1Khz)<br>DAMPING FACTOR | >240   | >280         | >240        |              |         |
| 转换速率:<br>SLEW RATE                | 15V/μs   | 15V/μs       | 15V/μs      |              |         |
| 保护功能:<br>PROTECTION FUNCTION      | 软启动保护/过热保护/过流保护/直流保护/射频保护<br>SOFT START / OVERHEATING / OVERCURRENT / DIRECT CURRENT / RADIO FREQUENCY |              |             |              |         |
| 电源:<br>MAIN POWER SUPPLY          | AC:220-230V 50Hz/60Hz  |              |             |              |         |
| 产品尺寸: (WxDxH)mm<br>DIMENSIONS     | 482x435x88   | 482x472.5x88 | 482x487x 88 | 482x509 x132 |         |
| 净重:<br>NET WEIGHT                 | 12.3Kg   | 15.2Kg       | 16.5Kg      | 26.7 Kg      | 34.7 Kg |

[www.fdbaudio.com](http://www.fdbaudio.com)

# TA series

TA 系列专业功率放大器  
TA SERIES POWER AMPLIFIER



TA系列专业功放采用特殊的电路设计技术，注重产品在长期连续满功率使用条件下的稳定性，PCB板主要部件采用SMT贴片技术制造，且通过计算机模拟仿真系统设计的电路布局，使功率放大器有着很高的信噪比和抗干扰能力，TA系列的产品具有较高阻尼系数和完善滤波系统，使高频更细腻柔和，低频更富有弹性。

The TA series professional amplifier using special circuit design techniques, focusing on the stability of the products in the long-term continuous full power conditions, the main components of the PCB board using SMT technology manufacturing, and circuit layout design through computer simulation system, so that the amplifier has a very high signal to noise ratio and anti-jamming capability. The TA series with higher damping and perfect filtering system, so that high frequency is more delicate and soft, low-frequency is more flexible.

## SPECIFICATIONS

| 型号: MODEL                          |  |            |
|------------------------------------|--|------------|
| 输出功率<br>(EIA 1KHZ 1% THD)          | TA4.4  | TA7.4      |
| 立体声:STEREO POWER<br>8 ohms         | 4×400W   | 4×650W     |
| 立体声:STEREO POWER<br>4 ohms         | 4×600W   | 4×980W     |
| 桥接:BRIDGE POWER<br>8 ohms          | 2×1200W  | 2×1960W    |
| 频响:<br>FREQUENCY RESPONSE          | 20Hz-20kHz, ±1dB   |            |
| 输入灵敏度:<br>INPUT SENSITIVITY        | 1.3V   | 1.3V       |
| 信噪比:<br>SIGNAL TO NOISE            | ≥95dB  | ≥98dB      |
| 失真度:<br>THD                        | ≤0.03%   | ≤0.05%     |
| 输入阻抗:<br>INPUT IMPEDANCE           | 20KΩ(平衡/BALANCED) / 10KΩ(非平衡/UN-BALANCED)  |            |
| 分离度:(8 ohm 1Khz)<br>CROSSTALK      | >70 dB   | 62 dB      |
| 阻尼系数: (5Hz-1Khz)<br>DAMPING FACTOR | >240   | >280       |
| 转换速率:<br>SLEW RATE                 | 15V/μs   | 15V/μs     |
| 保护功能:<br>PROTECTION FUNCTION       | 软启动保护/过热保护/过流保护/直流保护/射频保护<br>SOFT START / OVERHEATING / OVERCURRENT / DIRECT CURRENT / RADIO FREQUENCY |            |
| 电源:<br>MAIN POWER SUPPLY           | AC:220-230V 50Hz/60Hz  |            |
| 产品尺寸: (W×D×H)mm<br>DIMENSIONS      | 482x494x88   | 482x494x88 |
| 净重:<br>NET WEIGHT                  | 18.3Kg   | 19.6Kg     |

# HA series

HA 系列专业功率放大器  
HA SERIES PROFESSIONAL AMPLIFIER

HA系列专业功放采用标准模块式设计技术，注重产品在长期连续满功率使用条件下的稳定性，该系列产品功率从600W-1200W，通道从2-3通道任意组合，以适应多种需求。HA系列的产品具有较高阻尼系数和完善滤波系统，使高频更细腻柔和，低频更富有弹性，多通道设计使用更方便。

The HA series professional amplifier using standard modular design techniques, focusing on the stability of the products in the long-term continuous full power conditions, the series power from 600W-1200W, channels from any combination of 2-3 channels to accommodate together a variety of needs. The HA series with higher damping and perfect filtering system, so that the high frequency is more delicate and soft, low-frequency is more flexible. And multi-channel design is more convenient to use.

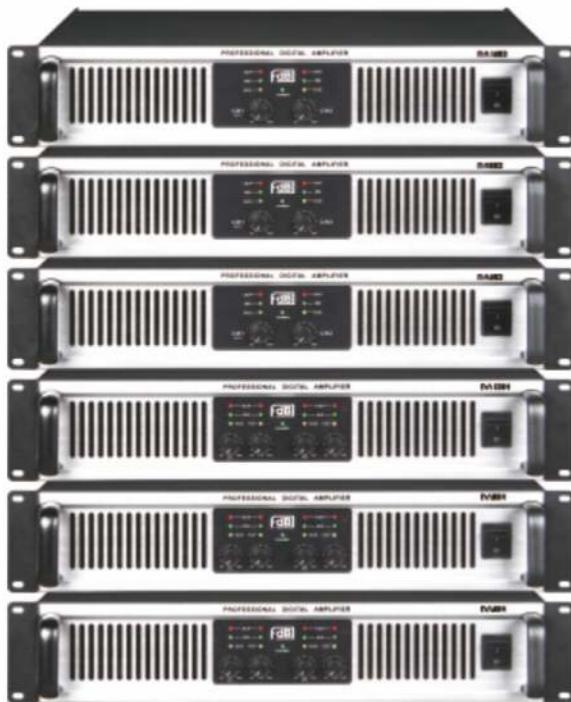


## SPECIFICATIONS

| 型号: MODEL                          | HA602  | HA802   | HA1002         | HA1202  | HA5803       |  |  |  |
|------------------------------------|--|---------|----------------|---------|--------------|--|--|--|
| 输出功率<br>(EIA 1KHZ 1% THD)          |  |         |                |         |              |  |  |  |
| 立体声:STEREO POWER<br>8 ohms         | 2×600W   | 2×800W  | 2×1000W        | 2×1200W | 2×500W+800W  |  |  |  |
| 立体声:STEREO POWER<br>4 ohms         | 2×900W   | 2×1400W | 2×1750W        | 2×2000W | 2×750W+1200W |  |  |  |
| 桥接:BRIDGE POWER<br>8 ohms          | 1800W  | 2800W   | 3500W          | 4000W   | 1500W+800W   |  |  |  |
| 频响:<br>FREQUENCY RESPONSE          | 20Hz-20kHz, ±1.5dB   |         |                |         |              |  |  |  |
| 输入灵敏度:<br>INPUT SENSITIVITY        | 0.775V   |         | 0.775V/1.4V/26 |         |              |  |  |  |
| 信噪比:<br>SIGNAL TO NOISE            | >100dB   |         |                |         |              |  |  |  |
| 失真度:<br>THD                        | ≤0.05%   |         |                |         |              |  |  |  |
| 输入阻抗:<br>INPUT IMPEDANCE           | 20KΩ(平衡/BALANCED) / 10KΩ(非平衡/UN-BALANCED)  |         |                |         |              |  |  |  |
| 分离度:(8 ohm 1Khz)<br>CROSSTALK      | ≥65dB  |         | ≥70dB          |         |              |  |  |  |
| 阻尼系数: (5Hz-1Khz)<br>DAMPING FACTOR | ≥230   |         |                |         |              |  |  |  |
| 转换速率:<br>SLEW RATE                 | 15V/μs   |         |                |         |              |  |  |  |
| 保护功能:<br>PROTECTION FUNCTION       | 软启动保护/过热保护/过流保护/直流保护/射频保护<br>SOFT START / OVERHEATING / OVERCURRENT / DIRECT CURRENT / RADIO FREQUENCY |         |                |         |              |  |  |  |
| 电源:<br>MAIN POWER SUPPLY           | AC:220-230V 50Hz   |         |                |         |              |  |  |  |
| 产品尺寸: (W×D×H)mm<br>DIMENSIONS      | 482×362×88   |         | 482×486×88     |         |              |  |  |  |
| 净重:<br>NET WEIGHT                  | 12.6Kg   | 14.1Kg  | 16.3Kg         | 18.1Kg  | 21.9Kg       |  |  |  |

# DA series

DA 系列专业功率放大器  
DA SERIES PROFESSIONAL AMPLIFIER



DA系列专业功放是开关电源，**Class D**类功率放大的数字功放，采用特殊的电路设计技术，注重产品在长期连续满功率使用条件下的稳定性，有完善保护功能，避免失误操作可能引起的损坏和错误保护引起的尴尬场面。PCB板主要部件采用SMT贴片技术制造，且通过计算机模拟仿真系统辅助设计的电路布局，使功率放大器有着很高的信噪比和抗干扰能力，DA系列的产品有较高阻尼系数和完善滤波系统，使高频更细腻柔和，低频更有力，体积小重量轻使用更方便。

The DA series professional amplifier is a class D digital amplifier with switching power supply, using a special circuit design techniques, focusing on the stability of the products in the long-term continuous full power conditions, improving the protection function to avoid damages caused by operation mistakes and embarrassments caused by error protection. The main components of the PCB board using SMT technology manufacturing and through computer simulation aided design circuit layout, so that the amplifier has a high signal to noise ratio and anti-jamming capability. The DA series products have a higher damping and perfect filtering system, so that the high frequency is more delicate and soft, low-frequency is more powerful. And small size with light weight is more convenient to use.

## SPECIFICATIONS

| 型号: MODEL                         | DA502  | DA902   | DA1302  | DA504            | DA904        | DA1502  | DA1304  | DA1804  |
|-----------------------------------|--|---------|---------|------------------|--------------|---------|---------|---------|
| 输出功率<br>(EIA 1KHZ 1% THD)         |  |         |         |                  |              |         |         |         |
| 立体声:STEREO POWER<br>8 ohms        | 2×500W   | 2×900W  | 2×1300W | 4×500W           | 4×900W       | 2×1500W | 4×1300W | 4×1800W |
| 立体声:STEREO POWER<br>4 ohms        | 2×750W   | 2×1350W | 2×1950W | 4×750W           | 4×1350W      | 2×2200W | 4×1950W | 4×2700W |
| 桥接:BRIDGE POWER<br>8 ohms         | 1500W  | 2700W   | NG      | 2×1500W          | 2×2700W      | 4400W   | 2×3900W | 2×5400W |
| 频响:<br>FREQUENCY RESPONSE         | 20Hz-20kHz,±1dB  |         |         |                  |              |         |         |         |
| 输入灵敏度:<br>INPUT SENSITIVITY       | 0.77V/1V/1.4V  |         |         | 23dB-44dB        |              |         |         |         |
| 信噪比:<br>SIGNAL TO NOISE           | ≥98dB  |         |         | ≥100dB           |              |         |         |         |
| 失真度:<br>THD                       | <0.15%   |         |         | <0.15%           |              |         |         |         |
| 输入阻抗:<br>INPUT IMPEDANCE          | 20KΩ(平衡/BALANCED)10KΩ(非平衡/UN-BALANCED)   |         |         |                  |              |         |         |         |
| 分离度:(8 ohm 1KHz)<br>CROSSTALK     | ≥62dB  |         |         | ≥62dB            |              |         |         |         |
| 阻尼系数:(5Hz-1KHz)<br>DAMPING FACTOR | ≥230   |         |         | ≥230             |              |         |         |         |
| 转换速率:<br>SLEW RATE                | 25V/μs   |         |         | 25V/μs           |              |         |         |         |
| 保护功能:<br>PROTECTION FUNCTION      | 软启动保护/过热保护/过流保护/直流保护/射频保护<br>SOFT START / OVERHEATING / OVERCURRENT / DIRECT CURRENT / RADIO FREQUENCY |         |         |                  |              |         |         |         |
| 电源:<br>MAIN POWER SUPPLY          | AC:220-230V 50Hz   |         |         | AC:220-230V 50Hz |              |         |         |         |
| 产品尺寸: (W×D×H)mm<br>DIMENSIONS     | 482×235×88   |         |         | 482×371.5×88     | 482×433.5×88 |         |         |         |
| 净重:<br>NET WEIGHT                 | 7.1Kg  | 7.2Kg   | 7.3Kg   | 7.4Kg            | 7.5Kg        | 9.5Kg   | 12.1Kg  | 12.4Kg  |

# CA series

CA系列定压功率放大器  
CA SERIES CONSTANT VOLTAGE POWER AMPLIFIER

CA系列是一组功能与功率不同的定压功率放大器，其中CA4601为合并式，自带USB和SD卡，开机自动播放MP3曲目，自带FM收音，两路MIC输入，一路AUX线路输入，总音量控制，MIC输入优于所有输入；其它型号为纯后级定压功率放大器，有分别设置有定阻定压输出端子，具有完善的过压、过流、短路、中点漂移保护电路，使用简单维护方便。

The CA series is a set of constant voltage power amplifiers with different functions and powers. CA4601 is an integrated type with USB and SD card, which can automatically play MP3 tracks at startup, FM radio, two-way MIC input, one-way AUX line input, total volume control, MIC input is superior to all input; The other models are pure post-stage constant voltage power amplifiers, are respectively set with constant impedance and constant voltage output terminals, with perfect protection circuit of overvoltage, overcurrent, short circuit, midpoint drift, easy to use and maintenance.



## SPECIFICATIONS

| 型号: MODEL                   | CA4601           | CA660                                      | CA1000         | CA1500         |
|-----------------------------|------------------|--|----------------|----------------|
| 输入阻抗 INPUT IMPEDANCE        | AUX:10 kΩ        | LINE(平衡BALANCE):20kΩ                       |                |                |
|                             | MIC:600Ω         | NG   | NG             | NG             |
| 输入电压 INPUT VOLTAGE          | AUX:1V           | LINE:0.775V/1KHz SIN                       |                |                |
|                             | MIC:1.8mV        | NG   | NG             | NG             |
| 线路输出阻抗LINE OUTPUT IMPEDANCE | 600Ω             | 600Ω                                       | 600Ω           | 600Ω           |
| 输出电压 OUTPUT VOLTAGE         | 70V-100V         | 70V/100V/120V                              | 70V/100V/120V  | 70V/100V/120V  |
| Mp3格式 MP3 FORMAT            | 22k-128k         | NG   | NG             | NG             |
| Fm频率 FM FREQUENCY           | 88.0MHz-108.0MHz | NG   | NG             | NG             |
| Fm天线规格输出功率 FM ANTENNA SPEC. | 75Ω              | NG   | NG             | NG             |
| 输出功率OUTPUT POWER            | 460W             | 660W/4Ω                                    | 1000W/4Ω       | 1500W/4Ω       |
| 频率响应FREQUENCY RESPONSE      | 40Hz-20kHz       | 60Hz-20KHz                                 | 60Hz-20KHz     | 60Hz-20KHz     |
| 信噪比S/N RATIO                | ≥78dB            | ≥75dB                                      | ≥75dB          | ≥75dB          |
| 非线性失真NONLINEAR DISTORTION   | 1% 1kHz          | 0.25% 1KHz/10V定阻输出CONSTANT IMPDANCE OUTPUT |                |                |
| 电源输入 POWER INPUT            | AC200V 50-60Hz   | AC220V 50-60Hz                             | AC220V 50-60Hz | AC220V 50-60Hz |
| 产品尺寸DIMENSIONS(WxDxH)mm     | 483x450x90       | 485x320x90                                 | 485x455x132    | 485x455x132    |
| 产品净重NET WEIGHT              | 19kg             | 19KG                                       | 23.5KG         | 27.5KG         |



## US series

### US系列音箱处理器 US2403/US3603/US4803

#### US SERIES LOUDSPEAKER SYSTEM PROCESSOR

- 32位DSPSHARC芯片处理, 96kHz采样率, 24bit AD/DA转换。
- 输入处理部分包含高切, 低切, 8个参量均衡, 噪声门, 增益, 静音, 相位, 延时, 连动调节等处理功能。
- 输出处理部分包含分频, 9个参量均衡, 增益, 静音, 压缩/限幅器, 相位, 延时, 连动调节等处理单元。
- 所有通道的PEQ增益、带宽、频率连续可调, 类型可选择: 参量均衡/低架滤波/高架滤波/低切滤波/高架滤波/移相1阶/移相2阶。
- 所有输入输出之间可以自由进行矩阵式分配, 且每个输入输出通道名称可以更改。
- 所有输入输出通道带独立的相位曲线调整功能, 在PEQ类型选择移相1阶是180度曲线调整, 移相2阶是360度曲线调整。
- 所有高切、低切滤波器, 分频器的类型可选择: 巴特沃斯、林奎瑞利、贝塞尔, 斜率在-6dB/Oct至-48dB/Oct可选。
- 输出通道的压缩/限幅器的阈值, 比率, 启动时间, 恢复时间连续可调。
- 所有输入输出通道的延时模块都具有高达680ms的延时时间。
- 任意通道之间参数设置可以自由复制, 以及任意通道可以进行连动调节。
- 可在任意一个输入或输出通道时看到当前所有的输入或输出通道的PEQ曲线调整图。
- 内置测试信号发生器, 输出方式可选粉红噪声, 白噪声及20Hz-20kHz正弦波可调, 信号幅度可调。
- 前面板带有输入输出电平指示灯、USB控制端口, 后面板232 & 485控制端口, 以及以太网连接远程控制端口, 一键式连机使得用户的操作更简易、快捷, 电脑可无线调音。
- 30个用户预设, 整机状态和每个预设都可以单独存储和调用。ID设置功能可以级联控制255台机器, 还具有密码保护功能, 使设备更安全。

#### SPECIFICATIONS

| 型号MODEL                      | US2403   | US3603                    | US4803                |
|------------------------------|--|---------------------------|-----------------------|
| 输入输出通道INPUT/OUTPUT CHANNELS  | 2进4出 2 IN/4 OUT  | 3进6出 3 IN/6 OUT           | 4进8出 4 IN/8 OUT       |
| 输入输出接口INPUT/OUTPUT CONNECTOR | 输入: 卡侬母座, 输出: 卡侬公座 INPUT: XLR FEMALE, OUTPUT: XLR MALE                   |                           |                       |
| 频率响应 FREQUENCY RESPONSE      | 20Hz-20KHz ± 0.3dB   | 20Hz-20KHz ± 0.3dB        | 20Hz-20KHz ± 0.3dB    |
| 动态范围 DYNAMIC RANGE           | 115dBu   | 115dBu                    | 115dBu                |
| 失真度THD                       | <0.008% at 1kHz(0dBu)  | <0.008% at 1kHz(0dBu)     | <0.008% at 1kHz(0dBu) |
| 串音CROSSTALK                  | >70dBu, 20Hz-20kHz   | >70dBu, 20Hz-20kHz        | >70dBu, 20Hz-20kHz    |
| 共模抑制比CMRR                    | >75dBu 1KHz  | >75dBu 1KHz               | >75dBu 1KHz           |
| 连接方式 CONNECTION TYPE         | 平衡式连接 BALANCED CONNECTION  |                           |                       |
| 线路输入部分 LINE INPUT            | 增益 GAIN  | 35dBu                     | 35dBu                 |
|                              | 最大输出电平 MAX OUTPUT LEVEL  | 18dBu                     | 18dBu                 |
|                              | 阻抗 IMPEDANCE   | >10KΩ                     | >10KΩ                 |
| 输出部分 OUTPUT                  | 连接方式 CONNECTION TYPE   | 平衡式连接 BALANCED CONNECTION |                       |
|                              | 最大输出电平 MAX OUTPUT LEVEL  | 18dBu                     | 18dBu                 |
|                              | 阻抗 IMPEDANCE   | <500Ω                     | <500Ω                 |
| 数字处理部分(DSP)                  | 24bit sigma-delta A/D、D/A转换 CONVERSION, 32bit SHARC DSP, 96kHz采样SAMPLING |                           |                       |
| 产品尺寸 DIMENSIONS(WxDxH)mm     | 482x205x44   | 482x205x44                | 482x205x44            |
| 产品净重 NET WEIGHT              | 2.3KG  | 2.3KG                     | 2.3KG                 |



## US series

### US系列音频矩阵处理器 US8803/US1683/US16163

#### US SERIES AUDIO MATRIX PROCESSOR

- 32位SHARC DSP芯片处理, 96kHz采样率, 24bit AD/DA转换。
- 每路模拟输入通道具有+48V幻象电源, 话筒和线性输入增益可切换, 话筒的输入的灵敏度可调。
- 输入通道处理部分包含低切, 独立反馈抑制, 参量均衡, 噪声门, 增益, 静音, 相位, 连动调节, 音量编组调节等处理功能。
- 输出通道处理部分包含分频, 参量均衡, 增益, 静音, 压缩/限幅器, 相位, 延时, 连动调节, 音量编组调节等处理单元。
- 所有通道的PEQ增益、带宽、频率连续可调, 类型可选择: 参量均衡/低架滤波/高架滤波/低切滤波/高架滤波/移相1阶/移相2阶。
- 所有输入输出之间可以自由进行矩阵式分配, 且每个输入输出通道名称可以更改。
- 所有输入输出通道带独立的相位曲线调整功能, 在PEQ类型选择移相1阶是180度相位曲线调整, 移相2阶是360度相位曲线调整。
- 所有高切、低切滤波器的类型可选择: 巴特沃斯、林奎瑞利、贝塞尔, 斜率连续可选。
- 输入通道噪声门的门限值、启动时间、恢复时间连续可调。输出通道的压缩/限幅器的阈值, 比率, 启动时间, 恢复时间连续可调。
- 所有输出通道的延时模块都具有高达680ms的延时时间。
- 任意通道之间参数设置可以自由复制, 以及任意通道可以进行连动调节。
- 可在任意一个输入或输出通道视窗下显示当前所有的输入或输出通道的频响曲线情况。
- 独特的EFX通道设计, 具有专业的ECHO和REVERB双引擎多重效果器, 即可美化修饰音色, 也可全面支持卡拉OK功能, 可广泛应用于会议、多功能厅等各种应用场合。
- AUX通道具有强大的自动混音处理功能, 混音阈值、幅度、启动时间、恢复时间等参数连续可调。同时具有自动摄像跟踪触发功能, 触发阈值、幅度、启动时间、恢复时间等参数连续可调。
- 内置测试信号发生器, 输出方式可选粉红噪声, 白噪声及20Hz-20kHz正弦波可调, 信号幅度可调。
- 前面板带有输入输出电平指示灯、USB控制端口, 后面板232&485控制端口, 以及以太网连接远程控制端口, 一键式连机使得用户的操作更简易快捷, 电脑可无线。
- 多个用户预设, 整机状态和每个预设都可以单独存储和调用。ID设置功能可以级联控制255台机器, 还具有密码保护功能, 使设备更安全。
- 配US-1触控盒一起使用, 使设备操作简单, 便捷, 易控。

**SPECIFICATIONS**

| 型号 MODEL                      | US8803  | US1683                | US16163               |
|-------------------------------|---|-----------------------|-----------------------|
| 输入输出通道 INPUT/OUTPUT CHANNELS  | 8进8出 8 IN/8 OUT   | 16进8出 16 IN/8 OUT     | 16进16出 16 IN/16 OUT   |
| 输入输出接口 INPUT/OUTPUT CONNECTOR | 输入: 凤凰插座, 输出: 凤凰插座 INPUT/OUTPUT: PHOENIX SOCKET                           |                       |                       |
| 频率响应 FREQUENCY RESPONSE       | 20Hz–20KHz ± 0.3dB  | 20Hz–20KHz ± 0.3dB    | 20Hz–20KHz ± 0.3dB    |
| 动态范围 DYNAMIC RANGE            | 115dBu  | 115dBu                | 115dBu                |
| 失真度 THD                       | <0.008% at 1kHz(0dBu)   | <0.008% at 1kHz(0dBu) | <0.008% at 1kHz(0dBu) |
| 串音 CROSSTALK                  | >70dBu, 20Hz–20kHz  | >70dBu, 20Hz–20kHz    | >70dBu, 20Hz–20kHz    |
| 共模抑制比 CMRR                    | >75dBu 1kHz   | >75dBu 1kHz           | >75dBu 1kHz           |
| 连接方式 CONNECTION TYPE          | 平衡式连接 BALANCED CONNECTION   |                       |                       |
| 话筒输入部分 MIC INPUT              | 幻象电源 PHANTOM POWER 48V DC   | 48V DC                | 48V DC                |
|                               | 增益 GAIN 50dBu   | 50dBu                 | 50dBu                 |
|                               | 阻抗 IMPEDANCE 2KΩ  | 2KΩ                   | 2KΩ                   |
| 线路输入部分 LINE INPUT             | 连接方式 CONNECTION TYPE 平衡式连接 BALANCED CONNECTION                            |                       |                       |
|                               | 增益 GAIN 35dBu   | 35dBu                 | 35dBu                 |
|                               | 最大输出电平 MAX OUTPUT LEVEL 18dBu   | 18dBu                 | 18dBu                 |
|                               | 阻抗 IMPEDANCE > 10KΩ   | > 10KΩ                | > 10KΩ                |
| 输出部分 OUTPUT                   | 连接方式 CONNECTION TYPE 平衡式连接 BALANCED CONNECTION                            |                       |                       |
|                               | 最大输出电平 MAX OUTPUT LEVEL 18dBu   | 18dBu                 | 18dBu                 |
|                               | 阻抗 IMPEDANCE < 500Ω   | < 500Ω                | < 500Ω                |
| 数字处理部分(DSP)                   | 24bit sigma-delta A/D、D/A转换 CONVERSION, 32bit SHARC DSP, 96kHz采样 SAMPLING |                       |                       |
| 产品尺寸 DIMENSIONS(WxDxH)mm      | 482x254x44  | 482x254x89            | 482x254x89            |
| 产品净重 NET WEIGHT               | 3.8KG   | 4.9KG                 | 4.9KG                 |

**ES series**

ES系列多通道专业卡拉OK效果器 ES1000/ES1000+  
ES SERIES MULTI-CHANNELS KARAOKE EFFECTOR

- 此系列产品是具有音箱处理器功能的卡拉OK效果器，每部分功能都独立可调。
- 采用24Bit数据总线和32Bit DSP。
- MUSIC设有7段参量均衡。MUSIC到主输出高通滤波器:12dB-24dB(0Hz-303Hz)
- MIC设有15段参量均衡，麦克风有压缩限幅功能。
- 主输出设有5段参量均衡。有压缩限幅功能。
- 中置输出，后置输出及超低音均设有3段参量均衡。
- 麦克风有4种反馈抑制，并可选择OFF/1/2/3。
- 可存储16种模式。
- 麦克风输出，主输出，中置输出，超低音输出，后置输出均设有压限及延时功能。
- 内设管理者模式与用户模式，用户模式在调整参数后不能存储。
- 本机设有全功能菜单，也可通过PC界面设置。



This series of products is a karaoke effector with speaker processor function, each part of the functions can be adjusted independently  
 ● Adopt 24Bit data bus and 32Bit DSP  
 ● Music is set to seven-segment parameter equalization. Music to main output high-pass filter: 12dB-24dB( 0 Hz-303Hz)  
 ● MIC is set to fifteen-segment parameter equalization. Microphone has compression and limiting function  
 ● The main output is set to five-segment parameter equalization, has compression and limiting function.  
 ● The middle output, the rear output and the subwoofer are all equipped with three-segment parameter equalization  
 ● The microphone has four kinds of feedback suppression, can select OFF/1/2/3.  
 ● Can store 16 modes.  
 ● The microphone output,main output, middle output,subwoofer output and rear output are all equipped with limited and delay function.  
 ● Built-in management mode and user mode, user mode after adjusting parameters can not be stored  
 ● The effector is equipped with a full-function menu, can also be set through the PC interface.

**SPECIFICATIONS**

| 型号 MODEL                      | ES1000             | ES1000+            |
|-------------------------------|--------------------|--------------------|
| 最大输入电平 MAX INPUT LEVEL        | 4V(RMS)            | 4V(RMS)            |
| 最大输出电平 MAX.OUTPUT LEVEL       | 4V(RMS)            | 4V(RMS)            |
| 音乐通道增益 MUSIC CHANNEL GAIN     | Max:12dB           | Max:12dB           |
| 麦克风灵敏度 MICROPHONE SENSITIVITY | 64mV(输出OUTPUT: 4V) | 64mV(输出OUTPUT: 4V) |
| 信噪比 S/N RATIO                 | > 80dB             | > 80dB             |
| 输入电压 INPUT VOLTAGE            | AC 220V 50–60Hz    | AC 220V 50–60Hz    |
| 产品尺寸 DIMENSIONS(WxDxH)mm      | 483 x 218.5 x 47.5 | 483 x 218.5 x 47.5 |
| 产品净重 NET WEIGHT               | 3.5KG              | 3.5KG              |

**PSC series**

**电源时序器**  
**POWER SEQUENCE CONTROLLER**

PSC系列是一组功能不同的电源时序器，为工程电源管理专用产品，适用于演出、娱乐场所、会议室、教室、电影院等场所，产品配置数字实时电压指示，设有USB手机充电接口，采用30A大电流控制继电器输出，高精度磷铜多用途插座，核心控制芯片采用进口元件，双面PCB板,贴片工艺，稳定可靠，具有RS232中控接口，RS485级联、外控开关接口。

PSC series is a set of different functions of Power Sequence Controller, specially used for engineering power management, suitable for performances, entertainment venues, conference rooms, classrooms, cinemas ,etc. The product configuration digital real-time voltage indicator, is equipped with a USB charging for mobile, using 30A large current control relay output, high precision phosphor copper multi-purpose socket, the core control chip using imported components, double-sided PCB, SMT technology, stable and reliable, has the RS232 control interface, RS485 cascade, switch interface.

**SPECIFICATIONS**

| 型号 MODEL                              | PSC-1082           | PSC-2080           |
|---------------------------------------|--------------------|--------------------|
| 输入输出阻抗 INPUT/OUTPUT IMPEDANCE         | ≤0.01 Ω            | ≤0.01 Ω            |
| 额定工作电压 RATED VOLTAGE                  | 85V ~ 265 V40–60Hz | 85V ~ 265 V40–60Hz |
| 整机额定工作电流 (25°C) RATED CURRENT         | ≤60A(连续continued)  | ≤60A(连续continued)  |
| 单通道工作电流 (25°C) SINGLE CHANNEL CURRENT | ≤13A(连续continued)  | ≤13A(连续continued)  |
| 单通道峰值电流 SINGLE CHANNEL PEAK CURRENT   | ≤30A               | ≤30A               |
| 整机静态功耗 STATIC POWER                   | ≤8W                | ≤8W                |
| 电源时序隔时间 INTERVAL TIME                 | 1s                 | 1s                 |
| 产品尺寸 DIMENSIONS(WxDxH)mm              | 483 x 280x55       | 483 x 280x46       |
| 产品净重 NET WEIGHT                       | 5 KG               | 3.4 KG             |

# FA series

FA 系列有源功放模块  
FA SERIES ACTIVE AMPLIFIER MODULE



FA有源功放模块，主要用于有源全频音箱，采用Class D类功放电路，模块化设计，独立PWM固频调制，以减小自激电路的差频、合频多通道干扰。两通道内置24BIT/96K采样频率的高性DSP处理器,RS485联机或组网调节，输入端31段PEQ，输出端10段PEQ，输入输出延时0-25ms可调，且带独立的带通滤波器，全通滤波器，独立压限，噪声门控制。产品具有功率大、失真低的特点，全屏蔽密封盒，使得产品满足电磁兼容及产品安全等级要求。

The FA series of active amplifier module, designed for full range active speakers, using Class D circuit, modularized design, independent PWM fixed frequency modulation, to reduce the difference frequency of the self-excited circuit and multichannel interference. Built-in two channel 24 bit / 96 k sampling frequency of the high performance DSP processor, RS485 connector or network adjustment, input 31 section PEQ, output 10 section PEQ, input/output delay 0 to 25 ms is adjustable, and bringing the independent band-pass filter, all-pass filter, independent pressure limit, the noise control. The product has large power and low distortion, and the whole shielding sealing box makes the product meet the requirements of EMC and product safety level.

# BA series

BA 系列有源功放模块  
BA SERIES ACTIVE AMPLIFIER MODULE

BA有源功放模块，主要用于有源超低音箱，采用Class D类功放电路，模块化设计，独立PWM固频调制，以减小自激电路的差频、合频多通道干扰。两通道内置24BIT/96K采样频率的高性DSP处理器,RS485联机或组网调节，输入端31段PEQ，输出端10段PEQ，输入输出延时0-25ms可调，且带独立的带通滤波器，全通滤波器，独立压限，噪声门控制。产品具有功率大、失真低的特点，全屏蔽密封盒，使得产品满足电磁兼容及产品安全等级要求。

The BA series of active amplifier module, designed for active subwoofers, using Class D circuit, modularized design, independent PWM fixed frequency modulation, to reduce the difference frequency of the self-excited circuit and multichannel interference. Built-in two channel 24 bit / 96 k sampling frequency of the high performance DSP processor, RS485 connector or network adjustment, input 31 section PEQ, output 10 section PEQ, input/output delay 0 to 25 ms is adjustable, and bringing the independent band-pass filter, all-pass filter, independent pressure limit, the noise control. The product has large power and low distortion, and the whole shielding sealing box makes the product meet the requirements of EMC and product safety level.

## SPECIFICATIONS

| 型号: MODEL                     | FA1.6  | FA1.8 | FA2.36    | FA2.38     | FA2.68     |
|-------------------------------|--|-------|-----------|------------|------------|
| 输出功率Output Power 8 Ohms       | 600W   | 800W  | 300W+600W | 300W+800W  | 600W+800W  |
| 输出功率Output Power 4 Ohms       | 900W   | 1200W | 450W+900W | 450W+1200W | 900W+1200W |
| DSP处理功能                       | /  | /     | DSP       | DSP        | DSP        |
| 频率响应Frequency Response        | 20Hz-20kHz   |       |           |            |            |
| 输入阻抗Input Impedance           | 20k ohm/Balanced,10kohm/un-Balanced                                |       |           |            |            |
| 信噪比S/N Ratio                  | ≥95dB  |       |           |            |            |
| 失真度 THD                       | <0.5%  |       |           |            |            |
| 阻尼系数 Damping Factor/8ohm/1kHz | >200   |       |           |            |            |
| 转换速率Slew Rate                 | 20V/uS   |       |           |            |            |
| 保护功能Protection                | Soft Start,Short Circuit,Limiter,DC Fault,AC Line Fuse,Thermal Cut |       |           |            |            |
| 电源Mains Power supply          | AC:110-240V/ 50Hz-60Hz   |       |           |            |            |
| 净重Net Weight                  | 2Kg  | 2Kg   | 3.5 Kg    | 3.6 Kg     | 3.6 Kg     |

## SPECIFICATIONS

| 型号: MODEL                     | BA1.6  | BA1.8 | BA2.88      |
|-------------------------------|--|-------|-------------|
| 输出功率Output Power 8 Ohms       | 600W   | 800W  | 800W+800W   |
| 输出功率Output Power 4 Ohms       | 900W   | 1200W | 1200W+1200W |
| DSP处理功能                       | /  | /     | DSP         |
| 频率响应Frequency Response        | 20Hz-20kHz   |       |             |
| 输入阻抗Input Impedance           | 20k ohm/Balanced,10kohm/un-Balanced                                |       |             |
| 信噪比S/N Ratio                  | ≥95dB  |       |             |
| 失真度 THD                       | <0.5%  |       |             |
| 阻尼系数 Damping Factor/8ohm/1kHz | >200   |       |             |
| 转换速率Slew Rate                 | 20V/uS   |       |             |
| 保护功能Protection                | Soft Start,Short Circuit,Limiter,DC Fault,AC Line Fuse,Thermal Cut |       |             |
| 电源Mains Power supply          | AC:110-240V/ 50Hz-60Hz   |       |             |
| 净重Net Weight                  | 2Kg  | 2Kg   | 3.6 Kg      |

# SA series

SA 系列有源功放模块  
SA SERIES ACTIVE AMPLIFIER MODULE



SA有源功放模块，主要用于有源系统，采用Class D类功放电路，模块化设计，独立PWM固频调制，以减小自激电路的差频、合频多通道干扰。两通道内置24BIT/96K采样频率的高性DSP处理器,RS485联机或组网调节，输入端31段PEQ，输出端10段PEQ，输入输出延时0-25ms可调，且带独立的带通滤波器，全通滤波器，独立压限，噪声门控制。产品具有功率大、失真低的特点，全屏蔽密封盒，使得产品满足电磁兼容及产品安全等级要求。

The SA series of active amplifier module, designed for active systems, using Class D circuit, modularized design, independent PWM fixed frequency modulation, to reduce the difference frequency of the self-excited circuit and multichannel interference. Built-in two channel 24 bit / 96 k sampling frequency of the high performance DSP processor, RS485 connector or network adjustment, input 31 section PEQ, output 10 section PEQ, input/output delay 0 to 25 ms is adjustable, and bringing the independent band-pass filter, all-pass filter, independent pressure limit, the noise control. The product has large power and low distortion, and the whole shielding sealing box makes the product meet the requirements of EMC and product safety level.

## SPECIFICATIONS

| 型号: MODEL                     | SA2.36   | SA2.68     | SA2.68II   | SA3.336        | SA3.448         |
|-------------------------------|--|------------|------------|----------------|-----------------|
| 输出功率Output Power 8 Ohms       | 300W+600W  | 600W+800W  | 600W+800W  | 300W+300W+600W | 400W+400W+800W  |
| 输出功率Output Power 4 Ohms       | 450W+900W  | 900W+1200W | 900W+1200W | 450W+450W+900W | 600W+600W+1200W |
| DSP处理功能                       | /  | /          | DSP        | DSP            | DSP             |
| 频率响应Frequency Response        | 20Hz-20kHz   |            |            |                |                 |
| 输入阻抗Input Impedance           | 20k ohm/Balanced,10kohm/un-Balanced                                |            |            |                |                 |
| 信噪比S/N Ratio                  | ≥95dB  |            |            |                |                 |
| 失真度 THD                       | <0.5%  |            |            |                |                 |
| 阻尼系数 Damping Factor/8ohm/1kHz | >200   |            |            |                |                 |
| 转换速率Slew Rate                 | 20V/uS   |            |            |                |                 |
| 保护功能Protection                | Soft Start,Short Circuit,Limiter,DC Fault,AC Line Fuse,Thermal Cut |            |            |                |                 |
| 电源Mains Power supply          | AC:110-240V/ 50Hz-60Hz   |            |            |                |                 |
| 净重Net Weight                  | 3.6Kg  | 3.6Kg      | 3.6Kg      | 3.8Kg          | 3.8Kg           |

# F series

F系列调音台F16/F16rack  
F SERIES MIXER

F16是一款多功能数字调音台，具有体积小、重量轻、功能全、人机对话界面友好、操作直观简便、反应速度灵敏等特点。采用第4代工业级SHARC处理器，24bits/192kHz AD/DA，最大程度的保证了音频的还原质量，具有自定义层，通道LINK，静音编组等功能，中英文操作界面。适合中小型演出、会议室、文化礼堂、多功能厅等各种扩声系统。F16rack是F16专门用于固定安装的版本。

F16 is a multifunctional digital mixer, with small size, light weight, full function, man-machine dialogue interface friendly, intuitive and simple operation, responsive speed and other characteristics. It adopts the 4th generation of industrial-grade SHARC processor with 24bits/192kHz AD/DA to ensure the audio restoration quality to the greatest extent. It has the functions of custom layer, channel LINK, mute marshaling and so on, and the chinese-english operation interface. Suitable for small and medium-sized performances, conference rooms, cultural auditorium, multi-functional halls and other sound amplification systems. F16rack is a version of F16 that is specifically designed for a fixed installation



## SPECIFICATIONS

| 型号MODEL                             | F16                             | F16rack |
|-------------------------------------|---------------------------------|---------|
| <b>MIC输入MIC INPUTS</b>              |                                 |         |
| 麦克风输入 MIC INPUTS                    | 16 CHANNELS INPUTS (BALANCED)   |         |
| 麦克风连接器 MIC INPUT CONNECTOR          | 16 XLR and 4 COMBO inputs       |         |
| 输入阻抗INPUT IMPEDANCE                 | 3KΩ                             |         |
| 频响FREQUENCY RESPONSE                | 20Hz-20KHz ± 0.5dB              |         |
| 最大输入电平MAX.INPUT LEVEL               | +20dBu (balanced )              |         |
| 信噪比S/N RATIO                        | 105dB                           |         |
| 最大增益MAX. GAIN                       | 70dB                            |         |
| 总谐波失真THD                            | 0.005% ( 20Hz-20KHz )           |         |
| 幻象电源PHANTOM POWER                   | 75Ω                             |         |
| <b>LINE输入 LINE INPUTS</b>           |                                 |         |
| 线路输入 LINE INPUTS                    | 4 COMBO INPUTS                  |         |
| 输入阻抗INPUT IMPEDANCE                 | 20KΩ                            |         |
| 频响FREQUENCY RESPONSE                | 20Hz-20KHz ± 0.5dB              |         |
| 最大输入电平MAX.INPUT LEVEL               | +30dBu ( balanced )             |         |
| 信噪比S/N RATIO                        | 105dB                           |         |
| 最大增益MAX. GAIN                       | 70dB                            |         |
| 总谐波失真THD                            | 0.008% ( 20Hz-20KHz )           |         |
| <b>输入INPUTS</b>                     |                                 |         |
| 相位PHASE                             | 标准/反相 NORMAL / REVERSE          |         |
| 延时DELAY                             | 0-200ms                         |         |
| <b>EQ(4段参量均衡)(4 BAND EQUALIZER)</b> |                                 |         |
| 频率FREQUENCY RESPONSE                | 20Hz-20KHz ± 18dB               |         |
| Q值 Q VALUE                          | 0.5 to 10                       |         |
| 类型MODE                              | HPF. Low. LowMid. HighMid. High |         |
| 功能FUNCTION                          | Bypass、Flat、Library             |         |
| <b>噪声门NOISE GATE</b>                |                                 |         |
| 阈值THRESHOLD                         | -80dB to 0dB                    |         |
| 启动时间 ATTACK TIME                    | 0.5ms - 100ms                   |         |
| 释放时间RELEASE TIME                    | 2ms - 2000ms                    |         |
| 保持时间HOLD TIME                       | 2ms - 2000ms                    |         |
| 深度DEPTH                             | -80dB to 0dB                    |         |
| <b>压限器COMPRESSOR</b>                |                                 |         |
| 阈值THRESHOLD                         | -80dB to 0dB                    |         |
| 启动时间 ATTACK TIME                    | 0.5ms - 100ms                   |         |
| 释放时间RELEASE TIME                    | 2ms - 2000ms                    |         |



# MT-9000

MT-9000系列演出话筒  
MT-9000 SERIES PERFORMANCE  
MICROPHONE

MT-9000是一款U段一拖二真分集无线麦克风系统，双天线自动分级选讯，接收距离远，不易掉线；数字导频，具有数字ID身份识别功能，杜绝干扰和窜频现象；内置强大的音频处理器，相位补偿，失真修正、动态补偿、动态扩展等功能，可根据演出现场灵活选用手持、头戴、领夹麦克风，以满足各种演出场所需要。

MT-9000 is a u-segment one tow two true diversity wireless microphone system, dual antenna automatic grading, receiving far distance, not easy to drop the line; digital pilot, with digital ID identification function, eliminate interference and frequency channeling phenomenon; Built-in powerful audio processor, phase compensation, distortion correction, dynamic compensation, dynamic expansion,etc, according to the performance site flexible selection of handheld, headworn, clip microphone, to meet the needs of various venues.

## SPECIFICATIONS

|                                  | 型号 MODEL                     | MT-9000   |
|----------------------------------|------------------------------|---|
| 接收机<br>RECEIVER                  | 频率范围 FREQUENCY RESPONSE      | 645.25~685.05MHz                                |
|                                  | 最大通道数 MAX. CHANNELS          | 200   |
|                                  | 带宽 BAND WIDTH                | 40MHz   |
|                                  | 接收灵敏度 RECEIVER SENSITIVITY   | -105dBu   |
|                                  | 信噪比 S/N RATIO                | ≥105dB(A计权)                                     |
|                                  | 失真度 DISTORTION               | < 1%  |
|                                  | 音频最大输出电平 MAX. OUTPUT LEVEL   | 8dBu  |
|                                  | 电源 POWER                     | 18V DC 800mA                                    |
| 手持麦克风<br>HANDHELD<br>MICROPHONE  | 频率范围 FREQUENCY RESPONSE      | 645.25~685.05MHz                                |
|                                  | 带宽 BAND WIDTH                | 40MHz   |
|                                  | 谐波抑制 HARMONIC SUPPRESSION    | >55dBc  |
|                                  | 最大频率偏移 MAX. FREQUENCY OFFSET | ± 48KHz   |
|                                  | 频率响应 FREQUENCY RESPONSE      | 50Hz~16KHz(-3dB)                                |
|                                  | 唛头 CAPSULE                   | 动圈心形 DYNAMIC CARDIOID                           |
|                                  | 信噪比 S/N RATIO                | ≥105dB(A计权)                                     |
|                                  | 失真度 THD                      | < 1%  |
|                                  | 电源 POWER REQUIREMENTS        | 2节AA电池或者充电电池 2 AA OR RECHARGEABLE BATTERY       |
|                                  | 电池寿命 BATTERY LIFE            | 8小时 (碱性电池) 8 HOURS (ALKALINE)                   |
| 腰包发射器<br>BELTPACK<br>TRANSMITTER | 频率范围 FREQUENCY RESPONSE      | 645.25~685.05MHz                                |
|                                  | 带宽 BANDWIDTH                 | 40MHz   |
|                                  | 谐波抑制 HARMONIC SUPPRESSION    | > 55dBc   |
|                                  | 最大频率偏移 MAX. FREQUENCY OFFSET | ± 48KHz   |
|                                  | 频率响应 FREQUENCY RESPONSE      | 50Hz~18KHz(-3dB)                                |
|                                  | 话筒 MICROPHONE                | 头戴/领夹迷你XLR, HEADWORN / CLIP MICROPHONE MINI XLR |
|                                  | 信噪比 S/N RATIO                | ≥105dB(A计权)                                     |
|                                  | 失真度 DISTORTION               | < 1%  |
|                                  | 电源 POWER REQUIREMENTS        | 2节AA电池或者充电电池, 2 AA OR RECHARGEABLE BATTERY      |
|                                  | 电池寿命 BATTERY LIFE            | 8小时 (碱性电池) 8 HOURS (ALKALINE)                   |

# MK-8000

MK-8000系列娱乐话筒  
MK-8000 SERIES ENTERTAINMENT  
MICROPHONE

MK-8000是一款U段无线话筒，数字导频，具有数字ID身份识别功能，杜绝干扰和窜频现象，内置强大的音频处理器，相位补偿，失真修正、动态补偿、动态扩展等功能，广泛用于KTV、私人会所等娱乐场所。

MK-800 is a u-segment design wireless microphone, digital pilot, with digital ID identification function, eliminate interference and frequency channeling phenomenon; Built-in powerful audio processor, phase compensation, distortion correction, dynamic compensation, dynamic expansion,etc, widely used for KTV, private clubs and other entertainment venues.

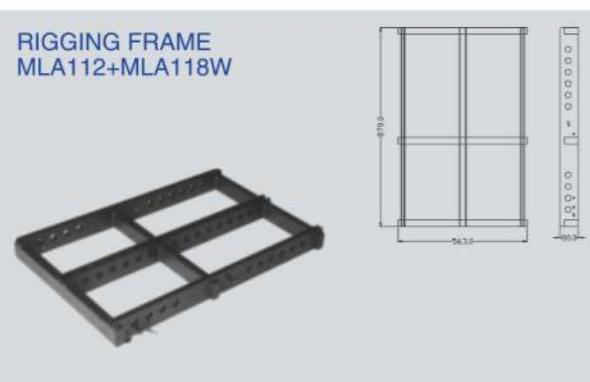
## SPECIFICATIONS

|                    | 型号 MODEL                    | MK-8000  |
|--------------------|-----------------------------|--|
| 接收机<br>RECEIVER    | 频率范围 FREQUENCY RESPONSE     | UHF640~690MHz  |
|                    | 接收方式 RECEIVER TYPE          | FM   |
|                    | 调制方式 MODULATION MODE        | PLL 锁相环综合控制  |
|                    | 频道间隔 CHANNEL SPACING        | 250KHz   |
|                    | 频点数目 FREQUENCY POINTS       | 200CH  |
|                    | 内容显示 CONTENTS DISPLAY       | RF/AF/频率/电池/静音/通道 RF/AF/FREQUENCY/BATTERY/MUTE/CHANNEL   |
|                    | 射频稳定性 RF STABILITY          | ± 0.0005%  |
|                    | 最大偏移度 MAX. FREQUENCY OFFSET | ± 35KHz 音响压缩扩展处理具有自动音量控制<br>AUDIO COMPRESSION EXTENSION PROCESSING WITH AUTOMATIC VOLUME CONTROL   |
| 发射机<br>TRANSMITTER | 信噪比 S/N RATIO               | < 105dB  |
|                    | 失真度 DISTORTION              | > 0.5%   |
|                    | 静音控制 MUTE CONTROL           | 多重静音控制/数字ID导频 MULTIPLE MUTE CONTROLS / DIGITAL ID PILOT  |
|                    | 频率响应 FREQUENCY RESPONSE     | 30Hz~18KHz(± 3dB)  |
|                    | 灵敏度 SENSITIVITY             | 输入 INPUT 10~15dBV 时 S/N: > 70dB  |
|                    | 谐波抑制 HARMONIC SUPPRESSION   | > 80dB   |
|                    | 副谐波 SUBHARMONIC             | > 50dBc  |
|                    | 接收距离 RECEIVING DISTANCE     | 可视距离50米左右 VISUAL DISTANCE 50M  |
|                    | 天线搭配 ANTENNA MATCH          | 高、中、低 (可选) 附加天线另计距离 HIGH/MEDIUM/LOW(OPTIONAL), ADDITIONAL ANTENNA (DISTANCE CALCULATED SEPARATELY) |
|                    | 天线接口 ANTENNA INTERFACE      | BNC/50Ω  |
|                    | 频率范围 FREQUENCY RESPONSE     | UHF640~690MHz  |
|                    | 发射功率 TRANSMITTING POWER     | 10~30mW  |
|                    | 音头搭配 CAPSULE                | 动圈式 DYNAMIC  |
|                    | 话筒搭配 MICROPHONE             | 手持/领夹/头戴 HANDHELD / HEADWORN / CLIP MICROPHONE   |
|                    | 电源供应 POWER REQUIREMENTS     | DC 12V 1A  |



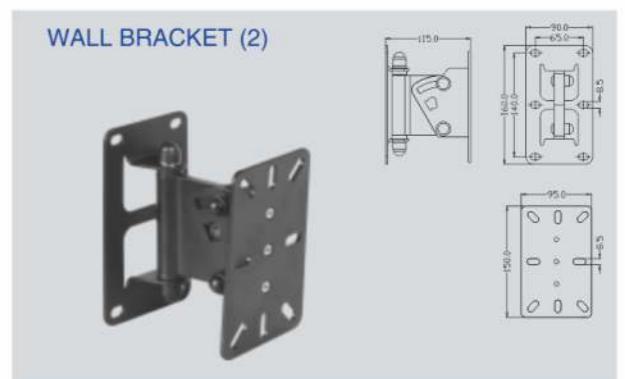
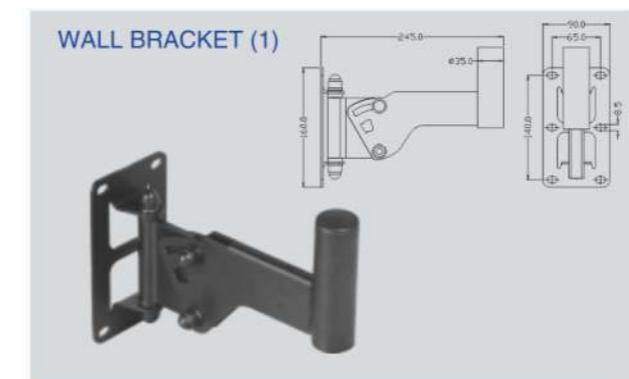
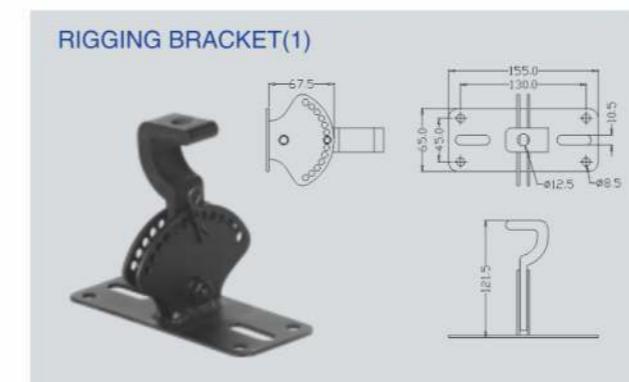
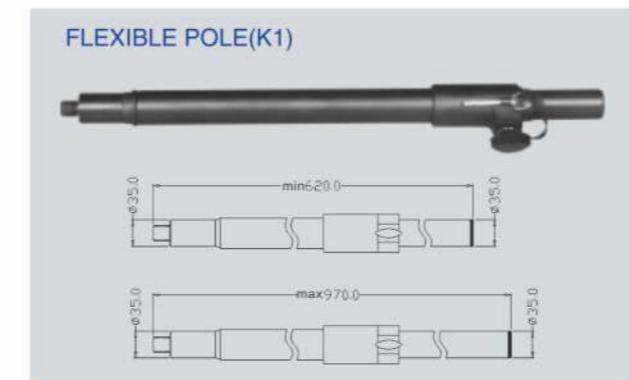
## 附件及配件

### ATTACHED ACCESSORIES



## 附件及配件

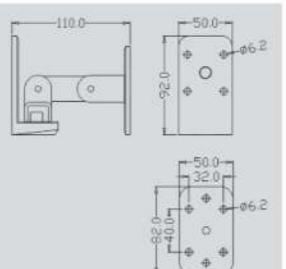
### ATTACHED ACCESSORIES



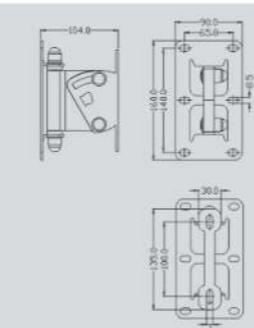
## 附件及配件

### ATTACHED ACCESSORIES

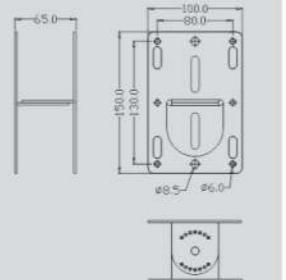
WALL BRACKET (3)



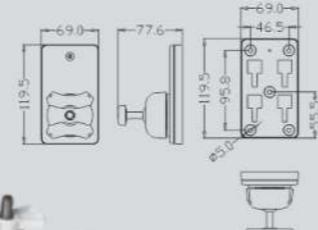
WALL BRACKET (4)



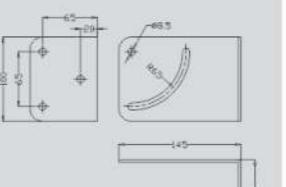
WALL BRACKET (5)



WALL BRACKET (6)



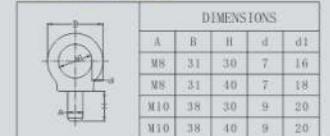
WALL BRACKET (7)



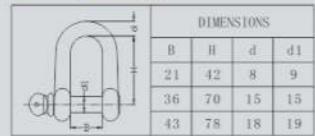
U TYPE BRACKET



FLYING RING



U TYPE LOCK



DIMENSIONS

| A   | B  | H  | d | d1 |
|-----|----|----|---|----|
| M8  | 31 | 30 | 7 | 16 |
| M8  | 31 | 40 | 7 | 18 |
| M10 | 38 | 30 | 9 | 20 |
| M10 | 38 | 40 | 9 | 20 |



PIN & STEEL WIRE ROPE



## 附件及配件

### ATTACHED ACCESSORIES

LOCK & STEEL WIRE ROPE



BELT



US-1 TOUCH BOX



USB DSP-485 CONVERTER



USB-RS232 CONVERTER



ES1000 CONNECTING CABLE



AUDIO CABLE



SPEAKON CONNECTOR & CABLE



CROSSOVER



## 附件及配件

## ATTACHED ACCESSORIES



WOOFER



COMPRESSION DRIVER



RECONE-KITS



DIAPHRAGM



NOTES