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# ENTERTAINMENT SERIES

## 娱乐音响工程系列

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**s)))e AUDIOTECHNIK**

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## s))e AUDIOTECHNIK 品牌历史

1980年，Michael von Keitz 先生在德国佐林根成立了Speaker Trade 公司，创立了“美高”这一音响品牌，不久之后，该品牌就在音响爱好者中获得了极好的口碑。

1997年，在毗邻上海的嘉善成立了附属公司-- 斯贝克电子（嘉善）有限公司，这在公司历史上具有里程碑意义。凭借先进的德式管理理念和卓越的音响制造技术，s))e AUDIOTECHNIK生产的优质专业音响畅销全球！

其后，我们的员工队伍也在不断壮大，现有约800名员工。我们拥有专业的生产技能和设备，可自行生产所有的音箱部件：小至0.5英寸的喇叭，大至24英寸的重低音，采用各种上好木材制成的音箱箱体，还有被动分频器、A/B类功放以及带DSP和开关电源的数字高功率功放等各类装配工艺复杂的电子类产品。

最先进的生产技术和严格的质量管控保证了我们的产品是最值得您信赖的。

最后，我们对于国际团队中工程师们卓越的调音运用能力，感到非常自豪。

s))e AUDIOTECHNIK使您乐在其中！

## s))e AUDIOTECHNIK Corporate History

In 1980, Michael von Keitz established the company Speaker Trade in Solingen, Germany.

It did not take long for the ambitious newcomer to gain an excellent global reputation amongst audio-enthusiasts with his MIVOC brand.

1997 marks the next milestone in our corporate history by founding the 100% affiliated company Speaker Electronic in the periphery of Shanghai. Led by German management and using advanced German technology,

s))e AUDIOTECHNIK PA-speakers of outstanding quality are produced and distributed worldwide.

Since then, our global staffs have steadily grown and currently comprise about 800 employees who, by the use of our peculiar know-how, help manufacture all essential components of loudspeaker boxes inhouse: Production of speakers starting from tiny 0.5" speaker to massive 24" subwoofer driver, crafting of housings using all kinds of important woods and surfaces, assembly of complex electronics ranging from passive crossovers to Class A/B amplifiers to digital high-power amplifiers with DSP and universal SMPS.

State-of-the-art manufacturing technology and very strict quality control guarantee you a maximum reliability of our products.

Last but not least, we are extremely proud of the excellent sound tuning that is being applied by our international team of engineers.

Please enjoy s))e AUDIOTECHNIK !



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# CV -LINE

CV-LINE娱乐固定安装系列产品致力于专业的娱乐KTV、酒吧设计，具有动态大、声音高、音质清晰、人声突出、覆盖角宽等特性。既可轻松唱出来，又有高音保护系统，保证产品稳定安全可靠运行。

音箱箱体采用精选多层板与独特的单元做结构优化，箱体表面喷涂了耐磨特性的PU黑色撒点漆。该系列音箱配置了18个M8吊挂点，完全满足多角度的工程固定安装需求，同时，可旋转号筒能使音箱在横向竖向安装时作完美切换，极大地满足多种使用方式和各种扩声应用场所。

CV-LINE is designed for fixed installations in KTV and Bars. It features high quality components, a wide dynamic range, high SPL and extended frequency response. It is perfectly reliable for sound reinforcement of small-sized and for zoned sound reinforcement of large sized speaker systems.

The uniquely designed cabinets are made of selected multiplex and have been coated with resistant water-soluble spot painting in black. Equipped with 18 pcs of M8 rigging points and a rotatable horn, a flexible switch in both horizontal and vertical direction can be realised to meet the demands of multifunctional and sound reinforcement applications.



The Sound Experience

# CV-10i

10" Two way passive full range loudspeaker

CV-10i是250W的二分频全频音箱。  
18个M8吊挂点能完全满足工程应用中的各种安装需求。

CV-10i is a two way full range loudspeaker with 250W RMS power handling.  
18 pcs of M8 rigging points help to meet various requirements of fixed installation.



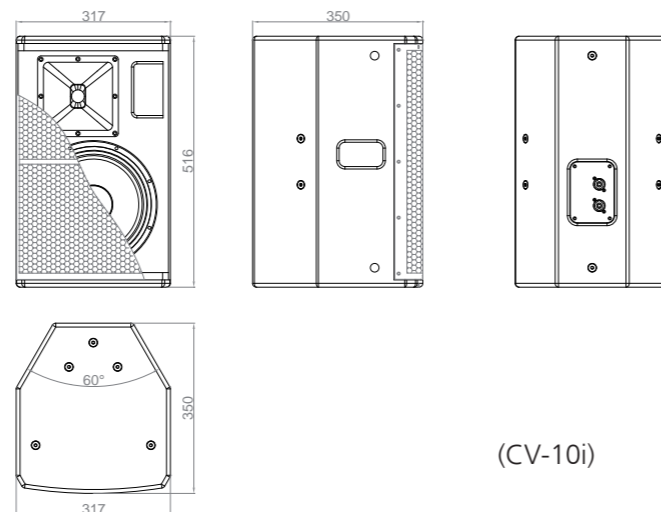
## 参数规格 Specifications

型号名称: CV-10i	Model: CV-10i
类型: 10"无源二分频全频音箱	Type: 10" two way passive full range loudspeaker
频率范围 (-6 dB): 60 Hz - 19 kHz	Frequency response (-6 dB): 60 Hz - 19 kHz
功率 (额定/峰值) (AES): 250 W / 1000 W	Power handling (RMS / Peak) (AES): 250 W / 1000 W
灵敏度 (1 W / 1 m): 95 dB	Sensitivity (1 W / 1 m): 95 dB
最大声压级 (1 m): 125 dB	MAX SPL (1 m): 125 dB
阻抗: 8 Ω	Impedance: 8 Ω
指向角度 (水平 垂直): 90° × 60°, 号角可以旋转	Dispersion (H × V): 90° × 60°, HF-horn rotatable
低音单元: 10"铁氧体单元, 2.5"音圈	LF Transducer: 10", ferrite magnet, 2.5" voice coil
高音单元: 1"铁氧体压缩单元, 1.75"音圈	HF Transducer: 1", ferrite magnet compression unit, 1.75" voice coil
保护: 高音保护	Protection: Tweeter Protection
输入接口: 2 × Neutrik NL-4 pins +1 / -1 input / THRU, pins +2 / -2 空接	Input interface: 2 × Neutrik NL-4 pins +1 / -1 input / THRU, pins +2 / -2 N.C.
吊挂系统: 18个M8吊挂点	Rigging system: 18× M8 Rigging point
箱体材料/喷漆: 15 mm精选多层板 / PU撒点漆	Cabinet material / Coating: 15 mm selected plywood / PU texture coating
尺寸 (W × H × D): 317 × 516 × 350 mm	Dimensions (W × H × D): 317 × 516 × 350 mm
净重: 13.5 kg	Net weight: 13.5 kg

## 应用领域 Application

- 娱乐会所, 酒吧, 夜场
- 多功能厅
- 会议室, 礼堂
- KTV, Pub, Night club
- Multifunctional hall
- Conference room, Auditorium

## 结构图 Structural diagram



# CV-12i / CV-15i

12/15" Two way full range passive loudspeaker

CV-12i是375W的二分频全频音箱。  
CV-15i是450W的二分频全频音箱。  
18个M8吊挂点能完全满足工程应用中的各种安装需求。

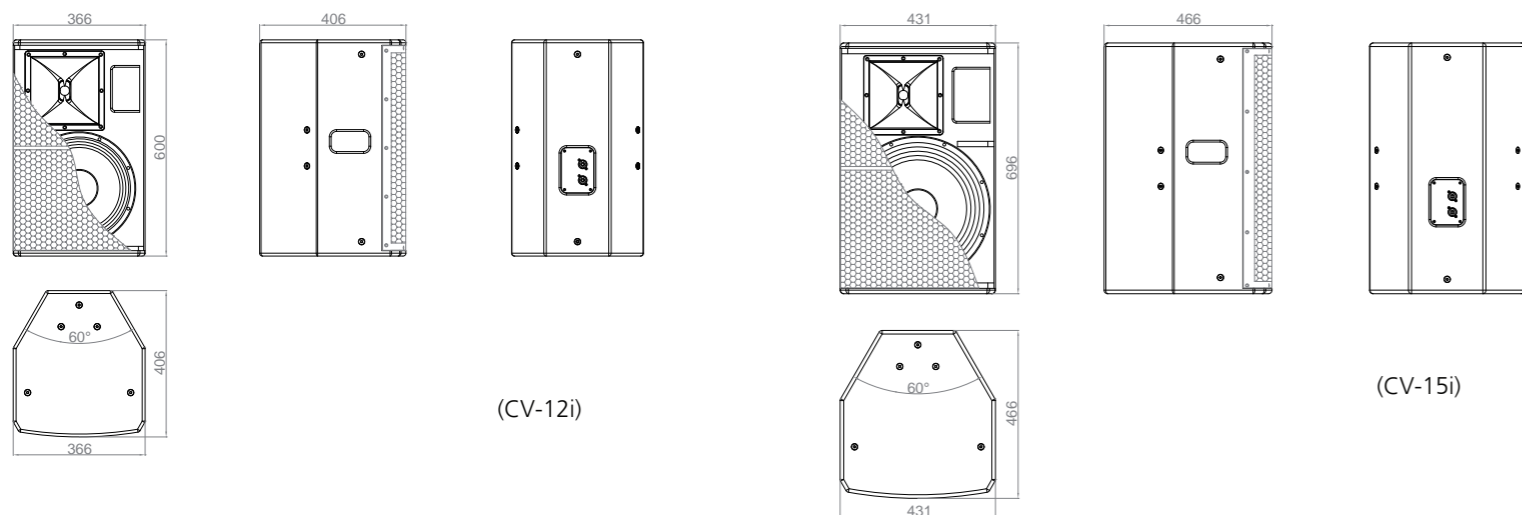
The CV-12i is a two way full range loudspeaker with 375W RMS power handling.  
The CV-15i is a two way full range loudspeaker with 450W RMS power handling.  
18pcs of M8 rigging points are equipped to help meet various requirements of fixed installation.



## 应用领域 Application

娱乐会所, 酒吧, 夜场	KTV, Pub, Night club
多功能厅	Multifunctional hall
会议室, 礼堂	Conference room, Auditorium

## 结构图 Structural diagram



## 参数规格 Specification

型号名称: CV-12i	Model: CV-12i
类型: 12"无源二分频全频音箱	Type: 12" two way passive full range loudspeaker
频率范围(-6 dB): 55 Hz-19 kHz	Frequency response (-6 dB): 55 Hz-19 kHz
功率(额定 / 峰值) (AES): 375 W / 1500 W	Power handling (RMS / Peak) (AES): 375 W / 1500 W
灵敏度(1 W / 1 m): 97 dB	Sensitivity (1 W / 1 m): 97 dB
最大声压级(1 m): 129 dB	MAX SPL (1 m): 129 dB
阻抗: 8 Ω	Impedance: 8 Ω
指向角度 (H × V): 90° × 60°, 号角可以旋转	Dispersion (H × V): 90° × 60°, HF-horn rotatable
低音单元: 12"铁氧体单元, 3"音圈	LF Transducer: 12", ferrite magnet, 3" voice coil
高音单元: 1"铁氧体压缩单元, 1.75"音圈	HF Transducer: 1" ferrite compression unit, 1.75" voice coil
保护: 高音保护	Protection: Tweeter protection
输入 / 输出接口: 2 × Neutrik NL-4 pins +1 / -1 input / THRU, pins +2 / -2 空接	Input / Output interface: 2 × Neutrik NL-4 pins +1 / -1 input / THRU, pins +2 / -2 N.C.
吊挂系统: 18个M8吊挂点	Rigging System: 18 × M8 Rigging point
箱体材料 / 喷漆: 15 mm精选多层板 / PU撒点漆	Cabinet Material / Coating: 15 mm Selected plywood / PU texture coating
尺寸(W × H × D): 366 × 600 × 406 mm	Dimensions (W × H × D): 366 × 600 × 406 mm
净重: 19.5 kg	Net Weight: 19.5 kg

型号名称: CV-15i	Model: CV-15i
类型: 15"无源二分频全频音箱	Type: 15" two way passive full range loudspeaker
频率范围 (-6 dB) : 45 Hz - 19 kHz	Frequency response (-6 dB) : 45 Hz - 19 kHz
功率 (额定 / 峰值) (AES) : 450 W / 1800 W	Power handling (RMS / Peak) (AES) : 450 W / 1800 W
灵敏度 (1 W / 1 m) : 98 dB	Sensitivity (1 W / 1 m) : 98 dB
最大声压级 (1 m) : 131 dB	MAX SPL (1 m) : 131 dB
阻抗: 8 Ω	Impedance: 8 Ω
指向角度 (水平 垂直) : 90° × 60°, 号角可以旋转	Dispersion (H × V) : 90° × 60°, HF-horn rotatable
低音单元: 15"铁氧体单元, 3"音圈	LF Transducer: 15", ferrite magnet, 3" voice coil
高音单元: 1"铁氧体单元, 1.75"音圈	HF Transducer: 1", ferrite magnet, 1.75" voice coil
保护: 高音保护	Protection: Tweeter protection
输入接口: 2 × Neutrik NL-4 pins +1 / -1 input / THRU, pins +2 / -2 空接	Input interface: 2 × Neutrik NL-4 pins +1 / -1 input / THRU, pins +2 / -2 N.C.
吊挂系统: 18个M8吊挂点	Rigging system: 18 × M8 Rigging point
箱体材料/喷漆: 15 mm精选多层板 / PU撒点漆	Cabinet material / Coating: 15 mm selected plywood / PU texture coating
尺寸 (W × H × D) : 431 × 696 × 466 mm	Dimensions (W × H × D) : 431 × 696 × 466 mm
净重: 25 kg	Net weight: 25 kg

# CV-118BG2 / CV-218BG2

Single/Dual 18" bandpass/Bass reflex subwoofer

CV-118BG2是单18" 850W带通式超低音箱。  
CV-218BG2是双18" 1700W倒相式超低音箱。  
两款超低能完美的匹配CV系列和K系列的全频箱。定制开发的大功率18"单元，配套精选的多层板箱体和高强度钢网，低频干净扎实而有弹性。

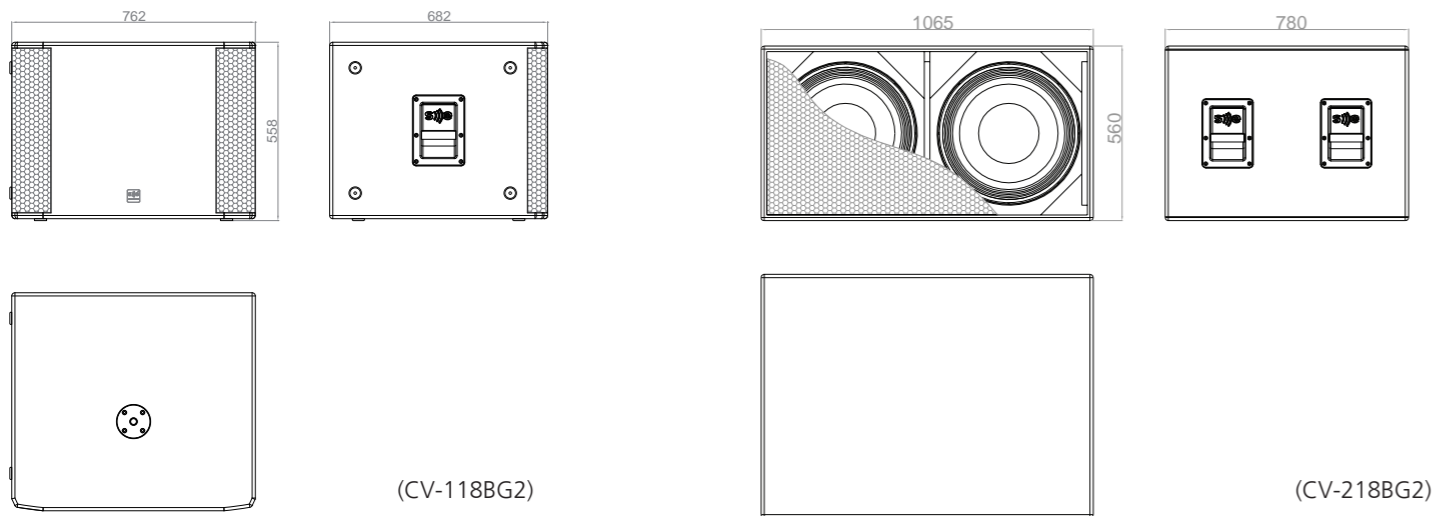
The CV-118BG2 is a single 18" bandpass subwoofer with 850W RMS power handling.  
CV-218BG2 is a dual 18" bass reflex subwoofer with 1700W RMS power handling.  
Each subwoofer can be perfectly blended with full range loudspeakers of both CV- and K-series. With custom-developed high power 18" transducers, selected plywood cabinets and substantial grilles, they are able to produce clean but powerful bass.



## 应用领域 Application

- |            |                      |
|------------|----------------------|
| 娱乐会所，酒吧，夜场 | KTV, pub, Night club |
| 多功能厅       | Multifunctional hall |
| 乐队演出       | Band performance     |

## 结构图 Structural diagram



## 参数规格 Specifications

型号名称: CV-118BG2	Model: CV-118BG2
类型: 单18"带通式超低音箱	Type: 18" bandpass subwoofer
频率范围 (-6 dB) : 40 Hz - 200 Hz	Frequency response (-6 dB) : 40 Hz - 200 Hz
功率 (额定 / 峰值) : (IEC) 600 W / 2400 W (AES) 850 W / 3400 W	Power handling (RMS / Peak) : (IEC) 600 W / 2400 W (AES) 850 W / 3400 W
灵敏度 (1 W / 1 m) : 99 dB	Sensitivity (1 W / 1 m) : 99 dB
最大声压级 (1 m) : 134 dB	MAX SPL (1 m) : 134 dB
阻抗: 8 Ω	Impedance: 8 Ω
低音单元: 18"铁氧体单元, 4"音圈	LF Transducer: 18", ferrite magnet, 4" voice coil
输入接口: 2 × Neutrik NL-4 pins +1 / -1 input / THRU pins +2 / -2 空接	Input interface: 2x Neutrik NL-4 pins +1 / -1 input / THRU pins +2 / -2 N.C.
箱体材料/喷漆: 18 mm精选多层板 / PU撒点漆	Cabinet material / Coating: 18 mm selected plywood / PU texture coating
尺寸 (W H D) : 762 558 682 mm	Dimensions (W × H × D) : 762 × 558 × 682 mm
净重: 62 kg	Net weight: 62 kg
可选附件: 见附件页面	Available accessory: See accessories page

型号名称: CV-218BG2	Model: CV-218BG2
类型: 双18"倒相式超低音箱	Type: Dual 18" bass reflex subwoofer
频率范围 (6 dB) : 35 Hz - 200 Hz	Frequency response (-6dB) : 35 Hz - 200 Hz
功率 (额定 / 峰值) : (IEC) 1200W / 4800 W (AES) 1700 W / 6800 W	Power handling (RMS/Peak) : (IEC) 1200 W / 4800 W (AES) 1700 W / 6800 W
灵敏度 (1 W / 1 m) : 102 dB	Sensitivity (1 W / 1 m) : 102 dB
最大声压级 (1 m) : 140 dB	MAX SPL (1 m) : 140 dB
阻抗: 4 Ω	Impedance: 4 Ω
低音单元: 2 18"铁氧体单元, 4"音圈	LF Transducer: 2x 18", ferrite magnet, 4" voice coil
输入接口: 2 Neutrik NL-4 pins +1 / -1 input / THRU pins +2 / -2 空接	Input interface: 2x Neutrik NL-4 pins +1 / -1 input / THRU pins +2 / -2 N.C.
箱体材料/喷漆: 18 mm精选多层板 / PU撒点漆	Cabinet material / Coating: 18 mm selected plywood / PU texture coating
尺寸 (W H D) : 1065 560 780 mm	Dimensions (W × H × D) : 1065 × 560 × 780 mm
净重: 90 kg	Net weight: 90 kg



# K -LINE

K系列二分频全频音箱音质清晰，穿透力强。适用于KTV，厅堂等各种固定安装的室内扩声场合。50-100°×55° 恒指向非对称可旋转的压缩号筒使它既能垂直安装也能水平安装，平滑的频率响应和精确的分频确保产品具有卓越的音质效果。二分频全频音箱与15寸有源和18寸无源的超低音音箱搭配，对于各种风格的音乐有着更理想的表现力。

With crystal clear sound penetration, K-series two way full range loudspeakers can be used for indoor sound reinforcement of KTVs, conference rooms or other venues of similar size. The 50 -100°×55° constant directional unsymmetric rotary compression horn enables both vertical and horizontal installations of the speaker boxes. Flat frequency response together with accurate crossover guarantees excellent sound effect. Blended with 15" active or 18" passive sub-woofers, the two way full range loudspeakers are able to produce different styles of music perfectly.



The Sound Experience

# K-10i / K-12i / K-15i

Two way passive full range loudspeaker

K系列二分频全频音箱音质清晰，穿透力强。适用于KTV，厅堂等各种固定安装的室内扩声场合。50-100°×55°恒指向非对称可旋转的压缩号筒使它既能垂直安装也能水平安装，平滑的频率响应和精确的分频确保产品具有卓越的音质效果。二分频全频音箱与15寸有源和18寸无源的超低音音箱搭配，对于各种风格的音乐有着更理想的表现力。

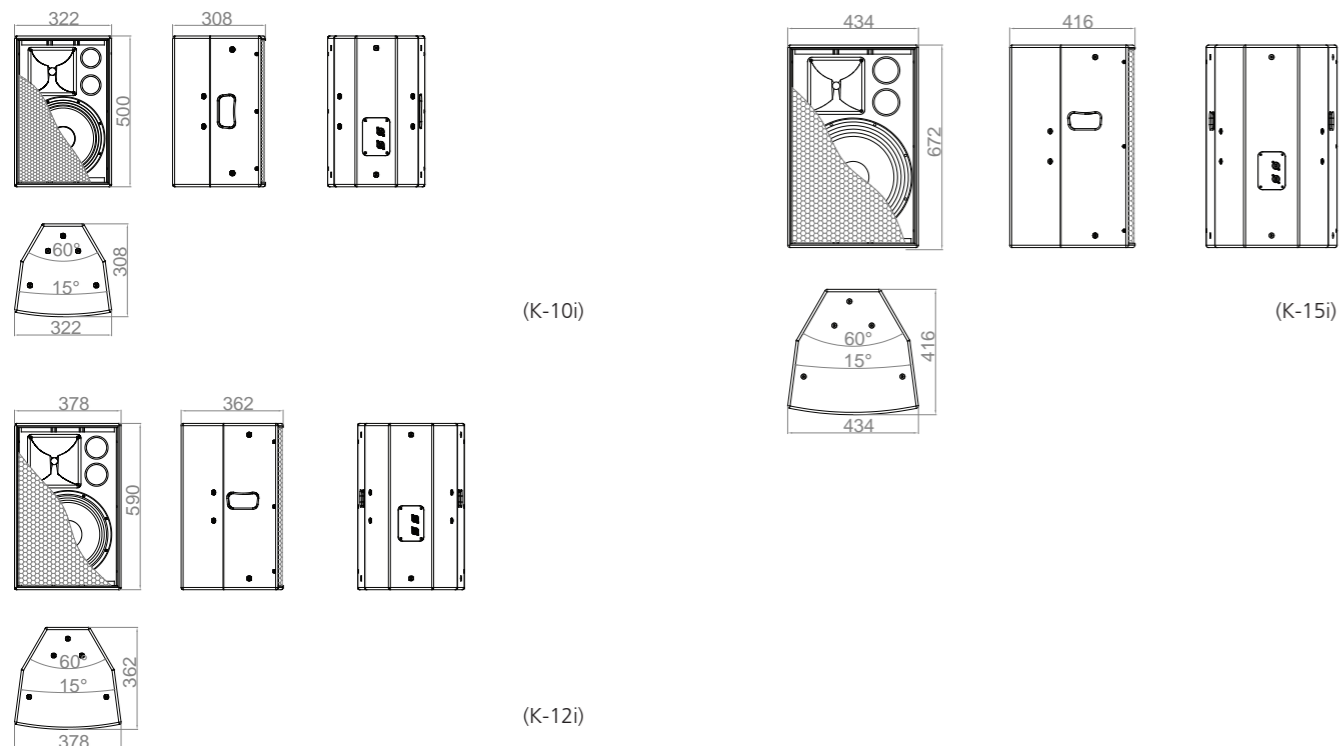
With crystal clear sound penetration, K-series two way full range loudspeakers can be used for indoor sound reinforcement for cement of KTVs, conference rooms or other venues of similar size. The 50-100°×55° constant directional unsymmetric rotary compression horn enables both vertical and horizontal installations of the speaker boxes. Flat frequency response together with accurate crossover guarantees excellent sound effect. Blended with 15" active or 18" passive subwoofers, the two way full range loudspeakers are able to produce



## 应用领域 Application

- 娱乐会所 KTV
- 多功能厅 Multifunctional hall
- 会议室 Conference room

## 结构图 Structural diagram



## 参数规格 Specification

型号名称:	K-10i	K-12i	K-15i
类型:	10"无源二分频全频音箱	12"无源二分频全频音箱	15"无源二分频全频音箱
频率范围 (-6 dB):	65 Hz - 18 kHz	55 Hz - 18 kHz	50 Hz - 18 kHz
功率 (额定/峰值) (AES):	200 W / 800 W	350 W / 1400 W	400 W / 1600 W
灵敏度 (1 W / 1 m):	95 dB	96 dB	98 dB
最大声压级 (1 m):	124 dB	127 dB	130 dB
阻抗:	8 Ω	8 Ω	8 Ω
指向角度 (水平 垂直):	50°-100° × 55°, 号角可以旋转	50°-100° × 55°, 号角可以旋转	50°-100° × 55°, 号角可以旋转
低音单元:	10"铁氧体单元, 2"音圈	12"铁氧体单元, 2.4"音圈	15"铁氧体单元, 2.4"音圈
高音单元:	1"铁氧体压缩单元, 1"音圈	1"铁氧体压缩单元, 1.75"音圈	1"铁氧体压缩单元, 1.75"音圈
保护:	高音保护	高音保护	高音保护
输入接口:	2 NL-4 pins+1/-1 input/ THRU pins+2/-2 空接	2 NL-4 pins+1/-1 input/ THRU pins+2/-2 空接	2 NL-4 pins+1/-1 input/ THRU pins+2/-2 空接
吊挂系统:	18个M8吊挂点	18个M8吊挂点	18个M8吊挂点
箱体材料/喷漆:	15 mm MDF/ PU撒点漆	15 mm MDF/ PU撒点漆	15 mm MDF/ PU撒点漆
尺寸 (W × H × D):	322 x 500 x 308 mm	378 x 590 x 362 mm	434 x 672 x 416 mm
净重:	14 kg	20.5 kg	26.8 kg

Model:	K-10i	K-12i	K-15i
Type:	10" two way passive full range loudspeaker	12" two way passive full range loudspeaker	15" two way passive full range loudspeaker
Frequency response (-6 dB):	65 Hz - 18 kHz	55 Hz - 18 kHz	50 Hz - 18 kHz
Power handling (RMS/ Peak)(AES):	200 W / 800 W	350 W / 1400 W	400 W / 1600 W
Sensitivity (1 W / 1 m):	95 dB	96 dB	98 dB
MAX SPL (1 m):	124 dB	127 dB	130 dB
Impedance:	8 Ω	8 Ω	8 Ω
Dispersion (H × V):	50°-100° × 55°, HF-Horn rotatable	50°-100° × 55°, HF-Horn rotatable	50°-100° × 55°, HF-Horn rotatable
LF Transducer:	10", ferrite magnet, 2" voice coil	12", ferrite magnet, 2.4" voice coil	15", ferrite magnet, 2.4" voice coil
HF Transducer:	1", ferrite compression unit, 1" voice coil	1", ferrite compression unit, 1.75" voice coil	1", ferrite compression unit, 1.75" voice coil
Protection:	Tweeter protection	Tweeter protection	Tweeter Protection
Input interface:	2 NL-4 pins+1/-1 input/ THRU pins+2/-2 N.C.	2 NL-4 pins+1/-1 input/ THRU pins+2/-2 N.C.	2 NL-4 pins+1/-1 input/ THRU pins+2/-2 N.C.
Rigging system:	18× M8 rigging point	18× M8 rigging point	18× M8 rigging point
Cabinet material / Coating:	15 mm MDF PU texture coating	15 mm MDF PU texture coating	15 mm MDF PU texture coating
Dimensions (W × H × D):	322 × 500 × 308 mm	378 × 590 × 362 mm	434 × 672 × 416 mm
Net weight:	14 kg	20.5 kg	26.8 kg



# K-18B

18" Bass reflex subwoofer

K-18B是单18寸额定功率RMS 600W的倒相式超低音音箱，能与K系列全频音箱组合成完美的扩声体系，满足于日常高强度应用需求和现场演出。

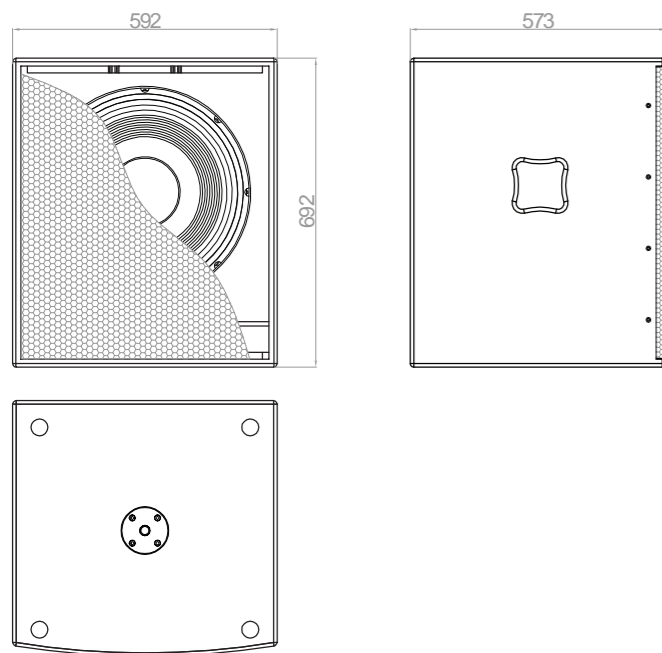
K-18B is a 18" bass reflex subwoofer with 600W RMS power handling. It blends beautifully with K-series to form an excellent full range response with high SPL and clear sound. It also easily stands the tough daily demands of touring and live applications.



## 应用领域 Application

- 娱乐会所 KTV
- 多功能厅 Multifunctional hall
- 小型演出 Small scale performance

## 结构图 Structural diagram



## 参数规格 Specification

型号名称: **K-18B**

类型: 单18"倒相式超低音音箱

频率范围 (-6 dB) : 40 Hz - 200 Hz

功率 (额定/峰值) (AES): 600 W / 2400 W

灵敏度 (1 W / 1 m) : 101 dB

最大声压级 (1 m) : 135 dB

阻抗: 8 Ω

低音单元: 18"铁氧体单元, 4"音圈

输入接口: 2 NL-4

pins+1/-1 input/ THRU

pins+2/-2 空接

箱体材料/喷漆: 18 mm MDF / PU撒点漆

尺寸 (W × H × D) : 592 × 692 × 573 mm

净重: 43.5 kg

## Model: K-18B

Type: 18" bass reflex subwoofer

Frequency response (-6 dB) : 40 Hz - 200 Hz

Power handling (RMS / Peak) (AES) : 600 W / 2400 W

Sensitivity (1 W / 1 m): 101 dB

MAX SPL (1 m) : 135 dB

Impedance: 8 Ω

LF Transducer: 18", ferrite magnet, 4" voice coil

Input interface: 2 NL-4

pins+1/-1 input/ THRU

pins+2/-2 N.C.

Cabinet material / Coating: 18 mm MDF / PU Texture coating

Dimensions (W × H × D) : 592 × 692 × 573 mm

Net weight: 43.5 kg

# M-12AB

12" Bass reflex subwoofer

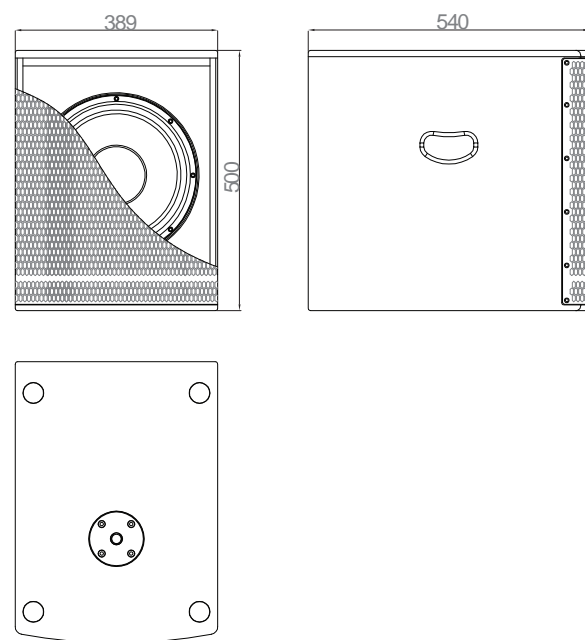
M-12AB是一款倒相式紧凑型有源超低音箱，具有出色的低音和完美的动态特性，能与K、CV系列配合，适用于中小型房间。

M-12AB is a compact active bass reflex subwoofer that features excellent bass and a wide dynamic range. It can be perfectly blended with K- and CV-series to meet various demands of middle- and small-sized venues.

## 应用领域 Application

- 娱乐会所 KTV
- 多功能厅 Multifunctional hall
- 轻吧 Bars

## 结构图 Structural diagram



## 参数规格 Specification

型号名称: **M-12AB**

类型: 单12"倒相式重低音有源音箱

频率范围(-6 dB): 35 Hz - 200 Hz

额定功率(RMS): 300 W

灵敏度(1 W / 1 m): 97 dB

最大声压级(1 m): 128 dB

阻抗: 4 Ω

低音单元: 12"铁氧体单元, 3"音圈

保护: 短路保护, 限幅器, 过载

控制: 低音音量, On / Off, 相位, 低频低通

输入 / 输出接口: XLR / 6.3 mm jack (组合), Output XLR

箱体材料 / 喷漆: 15 mm精选多层板 / PU撒点漆

尺寸(W × H × D): 389 × 500 × 540 mm

净重: 25.5 kg

**Model: M-12AB**

Type: 12" bass reflex subwoofer

Frequency response (-6 dB): 35 Hz - 200 Hz

Power handling (RMS): 300 W

Sensitivity (1 W / 1 m): 97 dB

MAX SPL (1 m): 128 dB

Impedance: 4 Ω

LF Transducer: 12", ferrite magnet, 3" voice coil

Protection: Short circuit, limiter, over load

Controls: Sub level, power, subwoofer phase reverse, sub freq (adjustable low-pass filter)

Input / Output interface: XLR / 6.3 mm jack (combo), Output XLR

Cabinet / Coating: 15 mm selected plywood, PU texture coating

Dimensions (W × H × D): 389 × 500 × 540 mm

Net weight: 25.5 kg



# MA -LINE

MA 2000 系列功率放大器，采用德国技术，完善的DDT压缩保护系统，双温度控制过热保护功能；带软启动开关启动瞬变保护，静音开关保护，在开启时过热，直流，短路，功率过载保护。该系列功放在外观设计，内部结构，电路设计，表现力等方面经过多次优化，音色分析力及表现力均十分出众，是一款集户内外演出全方位应用的大功率，多功能，高质量，稳定性，可靠性于一体的专业功率放大器。

MA-2000 series power amplifiers are equipped with DDT compression and double overheating protection system by adopting German technology. Each amplifier comes with a mute switch protection and also a startup protection for overheating/DC/short circuit/overloading. The internal structure and circuit design have been optimized to provide extraordinary signal quality. Being multifunctional high-power amplifiers that can output high-quality signals on a steady and reliable basis, the MA-2000 series can be regarded as pro power amplifiers.



The Sound  
Experience

# MA 2000

Dual-channel pro power amplifier

MA 2000 系列功率放大器，采用德国技术，完善的DDT压缩保护系统，双温度控制过热保护功能;带软启动开关启动瞬变保护，静音开关保护，在开启时过热，直流，短路，功率过载保护。该系列功放在外外观设计，内部结构，电路设计，表现力等方面经过多次优化，音色分析及表现力均十分出众，是一款集户内外演出全方位应用的大功率，多功能，高质量，稳定性，可靠性于一体的AB及H类专业功率放大器。

MA-2000 series power amplifiers are equipped with DDT compression and double overheating protection system by adopting German technology. Each amplifier comes with a mute switch protection and also a startup protection for overheating/DC/short circuit/overloading.

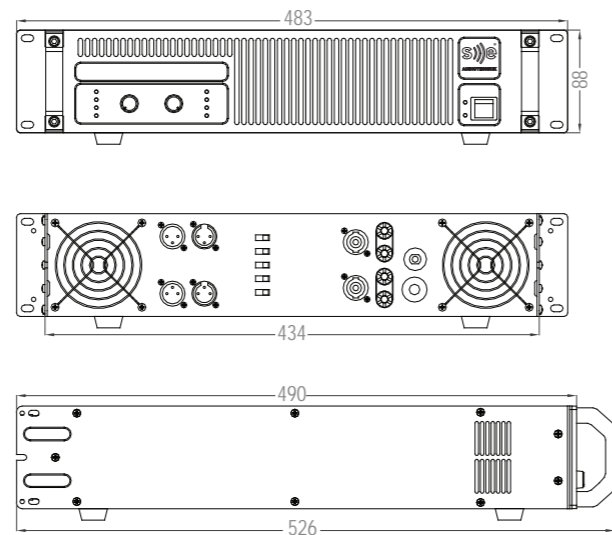
The internal structure and circuit design have been optimized to provide extraordinary signal quality. Being multifunctional high-power amplifiers that can output high-quality signals on a steady and reliable basis, the MA-2000 series can be regarded as class AB and H pro power amplifiers.



## 应用领域 Application

- 娱乐会所 KTV
- 会议室 Conference room
- 多功能厅 Multifunctional hall

## 结构图 Structural diagram



## 参数规格 Specification

型号名称	MA 2300	MA 2400	MA 2600	MA 2800	MA 21200
功放类型	Class AB	Class AB	Class H	Class H	Class H
输出功率1 kHz, < 0.05%THD :					
8 Ω :	2x 300 W	2x 400 W	2x 600 W	2x 800 W	2 x 1200W
4 Ω :	2x 450 W	2x 600 W	2x 900 W	2x 1200 W	2 x 1800W
2 Ω :	--	2x 800 W	2x 1100 W	2x 1400 W	2 x 2400W
16 Ω 桥接	--	--	--	--	2400W
8 Ω 桥接	700 W	1000 W	1800 W	2000 W	3600W
4 Ω 桥接	--	1200 W	2000 W	2400 W	4800W
频率范围(功率带宽+/- 0.1 dB)	20 Hz-20 kHz	20 Hz-20 kHz	20 Hz-20 kHz	20 Hz-20 kHz	20Hz-20 kHz
相位响应(@ 1W20 Hz - 20 kHz):	+ 15度	+ 15度	+ 15度	+ 15度	+ 15度
总谐波失真1 kHz(20 Hz - 20 kHz):	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.03%
互调失真 (SMPTE) :	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.01%
阻尼系数(20 Hz - 500 Hz@ 8 Ω) :	400:1	450:1	500:1	550:1	650:1
串扰(20 Hz - 20 kHz) :	>75 dB	>75 dB	>75 dB	>75 dB	>75 dB
增益 (可选)	26 / 29 / 32 dB	26 / 29 / 32 dB	26 / 29 / 32 dB	26 / 29 / 32 dB	26 / 29 / 32 dB
灵敏度	0.775 / 1.0 / 1.55 V	0.775 / 1.0 / 1.55 V	0.775 / 1.0 / 1.55 V	0.775 / 1.0 / 1.55 V	0.775 / 1.0 / 1.44 V
信噪比	103 dB	105 dB	105 dB	106 dB	106 dB
尺寸 (W x H x D) :	483 x 88 x 420 mm	483 x 88 x 420 mm	483 x 88 x 490 mm	483 x 88 x 490 mm	483 x 133 x 500 mm
重量 (kg) :	17 kg	18 kg	23 kg	25 kg	40 kg

Model name :	MA 2300	MA 2400	MA 2600	MA 2800	MA 21200
Amplifier type :	Class AB	Class AB	Class H	Class H	Class H
Output power 1 kHz, < 0.05%THD :					
8 Ω :	2x 300 W	2x 400 W	2x 600 W	2x 800 W	2x 1200 W
4 Ω :	2x 450 W	2x 600 W	2x 900 W	2x 1200 W	2x 1800 W
2 Ω :	Inapplicable	2x 800 W	2x 1100 W	2x 1400 W	2x 2400 W
16 Ω bridge :	Inapplicable	Inapplicable	Inapplicable	Inapplicable	2400 W
8 Ω bridge :	700 W	1000 W	1800 W	2000 W	3600 W
4 Ω bridge :	Inapplicable	1200 W	2000 W	2400 W	4800 W
Frequency response(+/- 0.1dB):	20 Hz-20 kHz	20 Hz-20 kHz	20 Hz-20 kHz	20 Hz-20 kHz	20 Hz-20 kHz
Reflex response(@ 1W20 Hz-20 kHz):	+ 15°	+ 15°	+ 15°	+ 15°	+ 15°
THD 1 kHz(20 Hz-20 kHz):	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.03%
IMD (SMPTE) :	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.01%
Damping factor(20 Hz-500 Hz@ 8 Ω) :	400:1	450:1	500:1	550:1	650:1
Crosstalk(20 Hz-20 kHz) :	>75 dB	>75 dB	>75 dB	>75 dB	>75 dB
Gain (optional) :	26 / 29 / 32 dB	26 / 29 / 32 dB	26 / 29 / 32 dB	26 / 29 / 32 dB	26 / 29 / 32 dB
Sensitivity:	0.775 / 1.0 / 1.55 V	0.775 / 1.0 / 1.55 V	0.775 / 1.0 / 1.55 V	0.775 / 1.0 / 1.55 V	0.775 / 1.0 / 1.44 V
Signal to noise ratio:	103 dB	105 dB	105 dB	106 dB	106 dB
Dimensions (W x H x D) :	483 x 88 x 420 mm	483 x 88 x 420 mm	483 x 88 x 490 mm	483 x 88 x 490 mm	483 x 133 x 500 mm
Net weight (kg) :	17 kg	18 kg	23 kg	25 kg	40 kg