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品牌历史 BRAND HISTORY

1980年, Michael von Keitz先生在德国索林根成立了Speaker Trade公司并创立了“MIVOC”这一音响品牌,深受音响发烧友的青睞。1997年, Speaker Trade中国制造基地—— 斯贝克电子(嘉善)有限公司在毗邻上海的嘉善诞生。2011年,公司自主品牌SE(美高)正式进入中国市场,成为紧凑型、无号角、高保真有源线阵列音响的开创者。SE品牌融合德国总部专业严谨的工程质量标准,以及中国团队的高效和勤奋,为专业用户提供了结构紧凑、性能卓越、智能便捷的音响系统,为用户降低了运营成本、提升了听觉享受。



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COX 8 MKII / COX 12 MKII

8" / 12" Coaxial two way passive full range loudspeaker

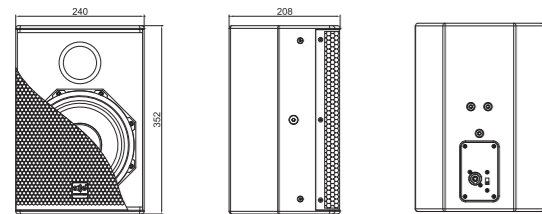
8" / 12"同轴音箱采用同芯同磁结构;在声音上有着极好的清晰度,结构非常紧凑,体积小,声压大,造型美,配置吊挂架可以满足产品的垂直和水平安装;对于室内扩声,中小型场所的补声,会议室扩声有着广泛的使用范围。

With the coaxial and co-magnetic structure, the 8" / 12"coaxial loudspeaker can produce sound with an excellent articulation.It is characterized by compact configuration, small size, high SPL and appealing design. The mounting bracket is used for both horizontal and vertical installation. It has been widely used in medium and small-scale venue for indoor sound reinforcement.

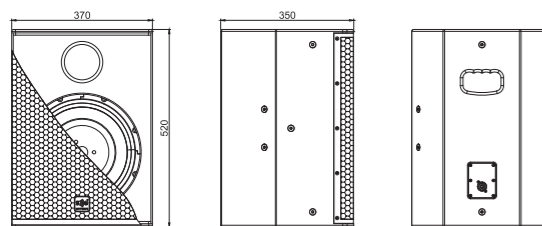
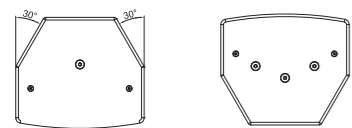
))) 应用领域 Application

- 会议室
- 多功能厅,小型扩声
- Conference room
- Multifunctional hall, Small-scale sound reinforcement

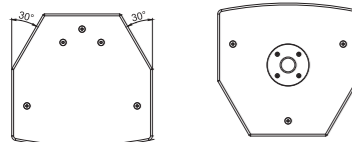
))) 结构图 Structural diagram



(COX 8 MKII)



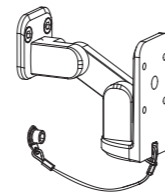
(COX 12 MKII)



))) 配件说明 Accessories



COX 8WB
COX 8 MKII 壁挂支架
COX 8 MKII Wall Bracket



SMB
COX 8 MKII铝支架
COX 8 MKII Smart-Mounting-Bracket

))) 参数规格 Specification

型号名称 /Model: COX 8 MKII	型号名称 /Model: COX 12 MKII
类型: 8 "无源同轴二分频全频音箱 Type: 8 " coaxial two way passive full range loudspeaker	类型: 12 "无源同轴二分频全频音箱 Type: 12 " coaxial two way passive full range loudspeaker
频率响应 ¹ (-3 dB): 100 Hz - 16 kHz Frequency Response ¹ (-3 dB): 100 Hz - 16 kHz	频率响应 ¹ (-3 dB): 130 Hz - 17 kHz Frequency Response ¹ (-3 dB): 130 Hz - 17 kHz
频率响应 ¹ (-10 dB): 70 Hz - 20 kHz Frequency range ¹ (-10 dB): 70 Hz - 20 kHz	频率响应 ¹ (-10 dB): 50 Hz - 20 kHz Frequency range ¹ (-10 dB): 50 Hz - 20 kHz
覆盖范围 ² (-6 dB) [H x V]: 110° x 100° Coverage angles ² (-6 dB) [H x V]: 110° x 100°	标称阻抗: 8 Ω Nominal impedance: 8 Ω
平均覆盖范围 ³ (-6 dB) [H x V]: 120° x 110° Mean Coverage angles ³ (-6 dB) [H x V]: 120° x 110°	灵敏度 ⁴ : 98 dB Sensitivity ⁴ : 98 dB
标称阻抗: 8 Ω Nominal impedance: 8 Ω	峰值功率: 1600 W Peak power: 1600 W
灵敏度 ⁴ : 96 dB Sensitivity ⁴ : 96 dB	持续功率 ⁴ : 400 W Continuous power ⁴ : 400 W
峰值功率: 1000 W Peak power: 1000 W	最大声压级 ⁵ : 136 dB Maximum Peak SPL ⁵ : 136 dB
持续功率 ⁴ : 250 W Continuous power ⁴ : 250 W	系统类型: 两分频同轴系统 System type: 2-way coaxial system
最大声压级 ⁵ : 132 dB Maximum Peak SPL ⁵ : 132 dB	分频频点: 1.3 kHz Crossover frequency: 1.3 kHz
系统类型: 两分频同轴系统 System type: 2-way coaxial system	换能单元: 同轴单元: LF: 1 x 12" 单元 (3" 音圈), HF: 1" PEN 压缩单元 (1.7" 音圈)
分频频点: 1.9 kHz Crossover frequency: 1.9 kHz	Transducers: Coaxial driver with: LF: 1 x 12" driver (3" voice coil), HF: 1" PEN compression driver (1.7" voice coil)
换能单元: 同轴单元: LF: 1 x 8" driver (2" 音圈), HF: 1x 1.75" PEN 压缩单元	箱体类型: 倒相箱体 Enclosure type: Vented box
Transducers: Coaxial driver with: LF: 1 x 8" driver (2" voice coil), HF: 1x 1.75" PEN compression driver	接口: Neutrik speakON® NL4; Phoenix connector MSTB 4-pins Connectors: Neutrik speakON® NL4; Phoenix connector MSTB 4-pins
箱体类型: 倒相箱体 Enclosure type: Vented box	线序: speakON® NL4: Pins 1+ / 1-: driver; Pins 2+ / 2-: N.C. Phoenix: Pins 1+ / 1-: driver; Pins 2+ / 2-: link
接口: Neutrik speakON® NL4; Phoenix connector MSTB 4-pins Connectors: Neutrik speakON® NL4; Phoenix connector MSTB 4-pins	Wiring: speakON® NL4: Pins 1+ / 1-: driver; Pins 2+ / 2-: N.C. Phoenix: Pins 1+ / 1-: driver; Pins 2+ / 2-: link
线序: speakON® NL4: Pins 1+ / 1-: driver; Pins 2+ / 2-: N.C. Phoenix: Pins 1+ / 1-: driver; Pins 2+ / 2-: link	产品尺寸[H x W x D] (Including rigging): 520 x 370 x 350 mm Product dimensions [H x W x D] (Including rigging): 520 x 370 x 350 mm
产品尺寸[H x W x D] (Including rigging): 352 x 240 x 208 mm Product dimensions [H x W x D] (Including rigging): 352 x 240 x 208 mm	重量: 19.5 kg Weight: 19.5 kg
重量: 7.8 kg Weight: 7.8 kg	包装尺寸[H x W x D]: 633 x 470 x 450 mm Packaging dimensions [H x W x D]: 633 x 470 x 450 mm
包装尺寸[H x W x D]: 460 x 342 x 310 mm Packaging dimensions [H x W x D]: 460 x 342 x 310 mm	总重: 22 kg Total weight: 22 kg
总重: 9.1 kg Total weight: 9.1 kg	箱体: 15 mm 多层板 Cabinet: 15 mm plywood
箱体: 12 mm 多层板 Cabinet: 12 mm plywood	箱体喷漆: 黑色聚脲喷漆 Cabinet finishing: Black polyurea coating
箱体喷漆: 黑色聚脲喷漆 Cabinet finishing: Black polyurea coating	网罩: 粉末涂层穿孔钢 Grille: Powder coated perforated steel
网罩: 粉末涂层穿孔钢 (1.2mm, 哑光黑色) Grille: Powder coated perforated steel (1.2mm, matt black)	硬件: 1x 背面嵌入式挖手, 1x 底部36 mm 底座用于支撑系统 Hardware: 1x rear handle embedded in cabinet, 1x bottom 36 mm socket for pole mounting
吊挂: 6 x M8 安装点: 顶部1个, 底部3个, 两侧各1个 6 x M5 安装点: 顶部2个, 底部2个, 两侧各2个 1x SMB 安装点: 背面	吊挂: 5 x M8 用于顶部与两侧的安装 3 x M8 用于底部的安装 2 x M8 用于背部的安装
Rigging: 6 x M8 rigging points: 1 on the top, 3 on the bottom, 1 on each side 6 x M5 rigging points: 2 on the top, 2 on each side, 2 on the bottom 1x mounting point for SMB bracket on rear side	Rigging: 5 x M8 for mounting on top and sides 3 x M8 for mounting at the bottom 2 x M8 for mounting on the rear

¹Full space, 1W / 1m, on axis
²Coverage angles at 4 kHz
³Coverage angles mean value (800 Hz - 6 kHz)
⁴According to IEC-60268 Standard (based on RMS Voltage)
⁵Max Peak SPL = Sensitivity + 10log10(Continuous Power) + 12 dB Crest Factor

¹自由声, 1W / 1m, 轴声
²4 kHz 时的覆盖角度
³平均覆盖范围 (800 Hz - 6 kHz)
⁴基于 IEC-60268 标准 (基于 RMS 电压)
⁵Max Peak SPL = Sensitivity + 10log10(Continuous Power) + 12 dB Crest Factor

C-10/ C-12/ C-15

10"/12"/15" two way full range passive loudspeaker

C-LINE工程固定安装系列产品致力于高品质,具有动态大,声压高,频响延伸好等特性,既可用于小型系统扩声应用,又可为大型系统做扩声分区与系统扩声,有充分的可靠性。

音箱箱体采用精选多层板与独特的单元做结构优化,箱体表面喷涂了黑色聚脲漆。该系列音箱配置了完整的吊挂架,不仅完美应用于工程固定安装,亦可作为多用途音箱使用,同时,90°×60°可旋转号筒能使音箱在横向竖向灵活放置时作完美切换,极大地满足多种使用方式和各种扩声应用场所。

C-LINE engineering fixed-installations featured with high quality, wide dynamic range, high SPL and extended frequency response. It is reliable enough to be not only used for sound reinforcement of small-sized system, but also for zoned sound reinforcement of large-sized system.

The uniquely designed cabinets are made of selected multiplex and coated with black polyurea coating. Equipped with a complete set of fly ware, the series product can be perfectly applied to engineering fixed-installation. Additionally, the 90°×60°rotating horn realizes flexible switch in both horizontal and vertical direction, which helps meet the demands of multi-functional and sound reinforcement applications.



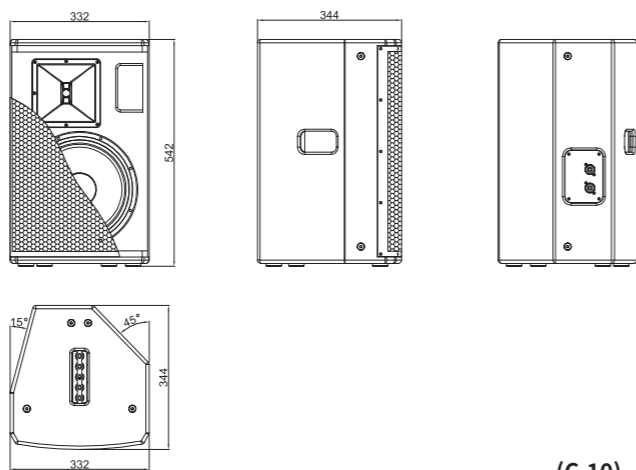
))) 参数规格 Specifications

型号名称 /Model: C-10	
类型: 10"无源二分频全频音箱 Type: 10" two way passive full range loudspeaker	高音单元: 1"铁氧体PEN膜压缩单元, 1.75"音圈 HF Transducer: 1", ferrite, PEN film compression unit, 1.75" voice coil
频率范围(-6 dB): 60 Hz - 19 kHz Frequency response (-6 dB): 60 Hz - 19 kHz	保护: 高音保护 Protection: Tweeter protection
功率(额定 / 峰值) (AES): 250 W / 1000 W Power handling (RMS / Peak) (AES): 250 W / 1000 W	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.
灵敏度(1 W / 1 m): 95 dB Sensitivity (1 W / 1 m): 95 dB	吊挂系统: 14个M8吊挂点, 1× 5孔飞机条 Rigging system: 14× M8 rigging point, 1× 5 cargo tracks
最大声压级(1 m): 125 dB MAX SPL (1 m): 125 dB	箱体材料 / 喷漆: 15 mm精选多层板 / 聚脲漆 Cabinet material / Coating: 15 mm selected plywood / Polyurea coating
阻抗: 8 Ω Impedance: 8 Ω	尺寸(W × H × D): 332 × 542 × 344 mm Dimensions (W × H × D): 332 × 542 × 344 mm
指向角度(水平 × 垂直): 90° × 60°, 号角可以旋转 Dispersion (H × V): 90° × 60°, HF-Horn rotatable	净重: 15.5 kg Net Weight: 15.5 kg
低音单元: 10"铁氧体单元, 2.5"音圈 LF Transducer: 10", ferrite magnet, 2.5" voice coil	

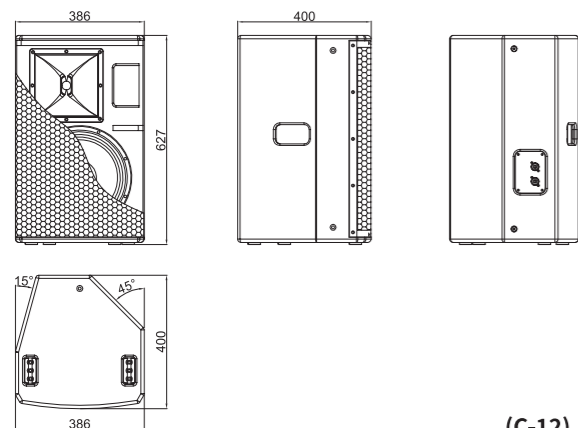
))) 应用领域 Application

- 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

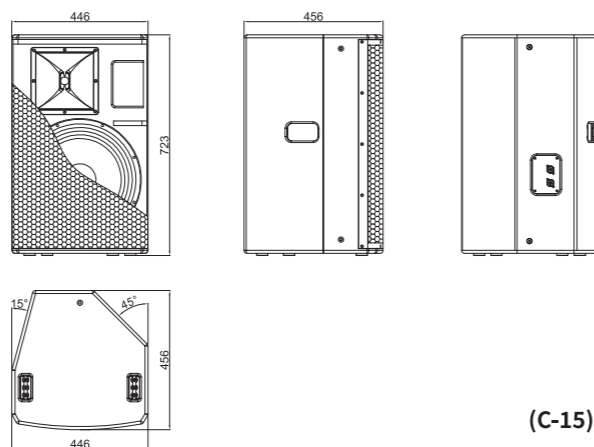
))) 结构图 Structural diagram



(C-10)



(C-12)



(C-15)

))) 参数规格 Specifications

型号名称 /Model: C-12	型号名称 /Model: C-15
类型: 12"无源二分频全频音箱 Type: 12" two way passive full range loudspeaker	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): 55 Hz - 19 kHz Frequency response (-6 dB): 55 Hz - 19 kHz	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): 375 W / 1500 W Power handling (RMS / Peak) (AES): 375 W / 1500 W	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): 97 dB Sensitivity (1 W / 1 m): 97 dB	灵敏度(1 W / 1 m): 98 dB Sensitivity (1 W / 1 m): 98 dB
最大声压级(1 m): 129 dB MAX SPL (1 m): 129 dB	最大声压级(1 m): 131 dB MAX SPL (1 m): 131 dB
阻抗: 8 Ω Impedance: 8 Ω	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	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: 12"铁氧体单元, 3"音圈 LF Transducer: 12", ferrite magnet, 3" voice coil	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PEN膜压缩单元, 1.75"音圈 HF Transducer: 1", ferrite, PEN film compression unit, 1.75" voice coil	高音单元: 1"PEN膜压缩单元, 1.75"音圈 HF Transducer: 1", ferrite, PEN film compression unit, 1.75" voice coil
保护: 高音保护 Protection: Tweeter protection	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.	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: 12个M8吊挂点, 4× 3孔飞机条 Rigging system: 12× M8 rigging point, 4× 3 cargo tracks	吊挂系统: 8个M8吊挂点, 4× 3孔飞机条 Rigging system: 8× M8 rigging point, 4× 3 cargo tracks
箱体材料 / 喷漆: 15 mm精选多层板 / 聚脲漆 Cabinet material / Coating: 15mm selected plywood / Polyurea coating	箱体材料 / 喷漆: 15 mm桦木多层板 / 聚脲喷漆 Cabinet material / Coating: 15 mm birch plywood / Polyurea coating
尺寸(W × H × D): 386 × 627 × 400 mm Dimensions (W × H × D): 386 × 627 × 400 mm	尺寸(W × H × D): 446 × 723 × 456 mm Dimensions (W × H × D): 446 × 723 × 456 mm
净重: 23 kg Net weight: 23 kg	净重: 28.5 kg Net weight: 28.5 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 and a peak SPL of 134 dB.

CV-218BG2 is a dual 18" bass reflex subwoofer with 1700W RMS power handling and a peak SPL of 140 dB.

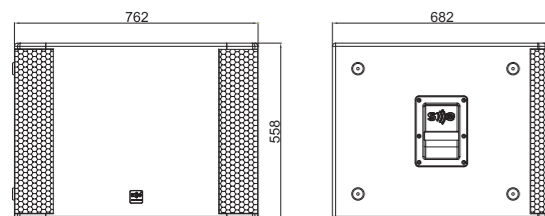
Each subwoofer can be perfectly blended with full range loudspeakers of both C-, CV- and K-Line. With custom-developed high power 18" transducers, selected plywood cabinets and substantial grilles, they are able to produce clean but powerful bass.



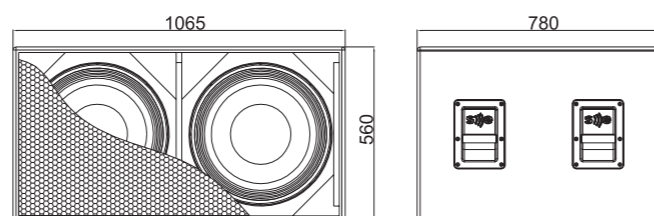
))) 应用领域 Application

- 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



(CV-118BG2)



(CV-218BG2)

))) 参数规格 Specifications

型号名称 /Model: CV-118BG2	型号名称 /Model: CV-218BG2
类型: 单18"带通式超低音箱 Type: 18" bandpass subwoofer	类型: 双18"倒相式超低音箱 Type: Dual 18" bass reflex subwoofer
频率范围 (-6 dB): 40 Hz - 200 Hz Frequency response (-6 dB): 40 Hz - 200 Hz	频率范围 (6 dB): 35 Hz - 200 Hz Frequency response (-6dB): 35 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	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): 99 dB Sensitivity (1 W / 1 m): 99 dB	灵敏度 (1 W / 1 m): 102 dB Sensitivity (1 W / 1 m): 102 dB
最大声压级 (1 m): 134 dB MAX SPL (1 m): 134 dB	最大声压级 (1 m): 140 dB MAX SPL (1 m): 140 dB
阻抗: 8 Ω Impedance: 8 Ω	阻抗: 4 Ω Impedance: 4 Ω
低音单元: 18"铁氧体单元, 4"音圈 LF Transducer: 18", ferrite magnet, 4" voice coil	低音单元: 2 × 18"铁氧体单元, 4"音圈 LF Transducer: 2 × 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: 2 × Neutrik NL-4 pins +1 / -1 input / THRU pins +2 / -2 N.C.	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.
箱体材料/喷漆: 18 mm精选多层板/聚脲漆 Cabinet material / Coating: 18 mm selected plywood / Polyurea coating	箱体材料/喷漆: 18 mm精选多层板/聚脲漆 Cabinet material / Coating: 18 mm selected plywood / Polyurea coating
尺寸 (W × H × D): 762 × 558 × 682 mm Dimensions (W × H × D): 762 × 558 × 682 mm	尺寸 (W × H × D): 1065 × 560 × 780 mm Dimensions (W × H × D): 1065 × 560 × 780 mm
净重: 62 kg Net weight: 62 kg	净重: 90 kg Net weight: 90 kg
	吊挂系统: 15 × M8, 吊挂点 Rigging system: 15 × M8 rigging points

V-8 / V-10/ V-12 / V-15

8"/12" two way passive / Active full range loudspeaker

V-8 / V-12 是额定功率250W / 500W的二分频全频音箱。
V系列由8", 10", 12", 15"多功能音箱组成, 设计独特的箱体结构, 经久耐用的聚脲喷漆, 满足各种高强度的扩声环境和应用需求。

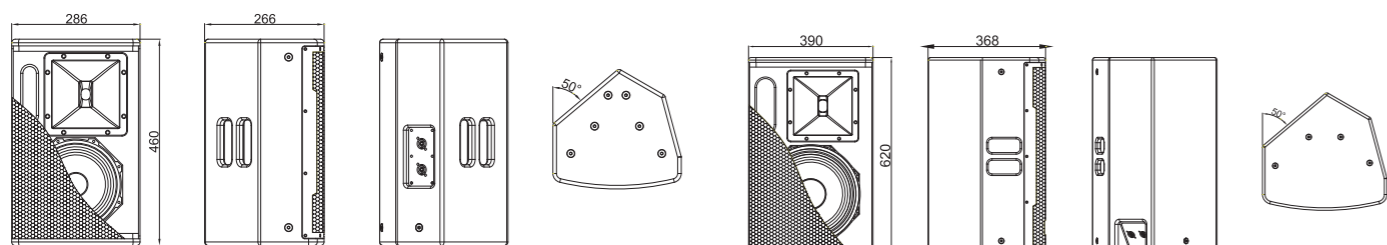
The V-8 / V-12 is a two way passive full range loudspeaker with 250W RMS. / 500W RMS. The series of 8", 10", 12" and 15" multi-purpose speakers for an excellent price / value relation. The uniquely designed cabinets are all made of multiplex and painted with the Polyurea coating which helps stand up to the tough daily demands of touring and live applications.



应用领域 Application

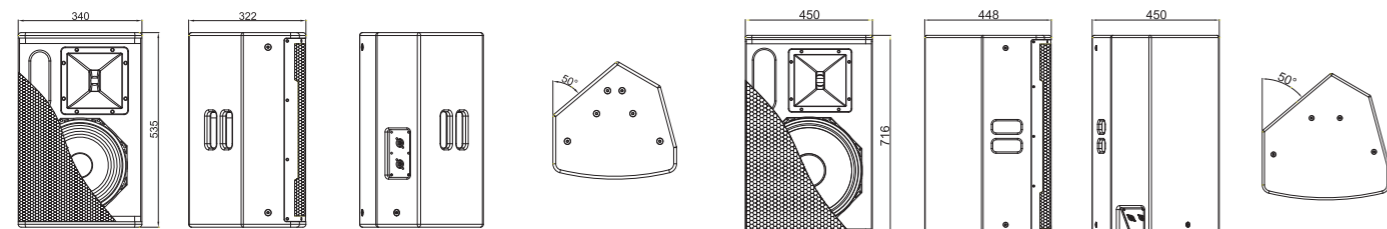
- 乐队演出, 酒吧, 音乐厅, 教堂 Band performance, pub, concert hall, church
- 剧场, 多功能厅 Theater, multifunctional hall

结构图 Structural diagram



V-8

V-12



V-10

V-15

参数规格 Specifications

型号名称 /Model: V-8	型号名称 /Model: V-10
类型: 8"无源二分频全频音箱 Type: 8" two way passive full range loudspeaker	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): 70 Hz - 20 kHz Frequency response (-6 dB): 70 Hz - 20 kHz	频率范围(-6 dB): 65 Hz - 19 kHz Frequency response (-6 dB): 65 Hz - 19 kHz
功率(额定 / 峰值) (AES): 250 W / 1000 W Power output (RMS / Peak) (AES): 250 W / 1000 W	功率(额定 / 峰值) (AES): 350 W / 1400 W Power output (RMS / Peak) (AES): 350 W / 1400 W
灵敏度(1 W / 1 m): 95 dB Sensitivity (1W / 1m): 95 dB	灵敏度(1 W / 1 m): 97 dB Sensitivity (1 W / 1 m): 97 dB
最大声压级(1 m): 125 dB MAX SPL (1 m): 125 dB	最大声压级(1 m): 128 dB MAX SPL (1 m): 128 dB
阻抗: 8 Ω Impedance: 8 Ω	阻抗: 8 Ω Impedance: 8 Ω
指向角度(水平 × 垂直): 70° × 55°, 号角可以旋转 Dispersion (H × V): 70° × 55°, HF-Horn rotatable	指向角度(水平 × 垂直): 70° × 55°, 号角可以旋转 Dispersion (H × V): 70° × 55°, HF-horn rotatable
低音单元: 8"钕磁单元, 2.5"音圈	低音单元: 10"钕磁单元, 3"音圈 LF Transducer: 10" neodymium magnet, 3" voice coil
高音单元: 1"钕磁钛膜压缩单元, 1.35"音圈 HF Transducer: 1", neodymium magnet, titanium diaphragm, 1.35" voice coil	高音单元: 1"钕磁钛膜压缩单元, 1.35"音圈 HF Transducer: 1" neodymium magnet, titanium diaphragm, 1.35" voice coil
保护: 高音保护 Protection: Tweeter protection	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.	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: 15个M8吊挂点 Rigging system: 15 × M8 rigging points	吊挂系统: 15 × M8, 吊挂点 Rigging system: 15 × M8 rigging points
箱体材料 / 喷漆: 15 mm桦木多层板 / 聚脲喷漆 Cabinet material / Coating: 15 mm birch plywood / Polyurea coating	箱体材料 / 喷漆: 15 mm桦木多层板 / 聚脲喷漆 Cabinet material / Coating: 15 mm birch plywood / Polyurea coating
尺寸(W × H × D): 286 × 460 × 266 mm Dimensions (W × H × D): 286 × 460 × 266 mm	尺寸(W × H × D): 340 × 535 × 322 mm Dimensions (W × H × D): 340 × 535 × 322 mm
净重: 12 kg Net Weight: 12 kg	净重: 16.3 kg Net weight: 16.3 kg

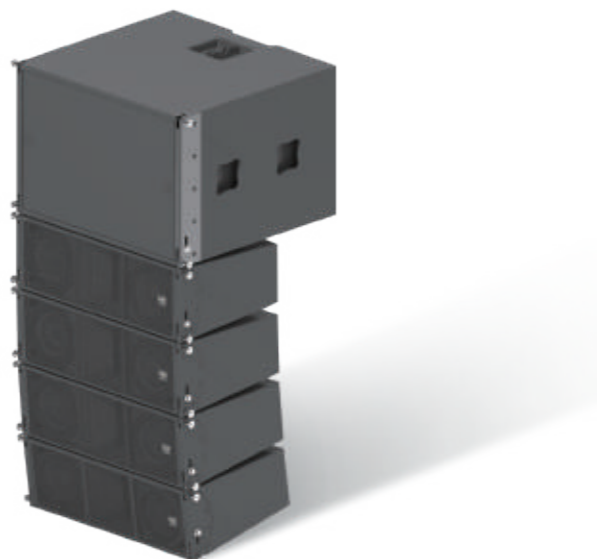
型号名称 /Model: V-12	型号名称 /Model: V-15
类型: 12"无源二分频全频音箱 Type: 12" two way passive full range loudspeaker	类型: 15"无源二分频全频音箱 Type: 15" two way passive full range loudspeaker
频率范围(-6 dB): 55 Hz - 19 kHz Frequency response (-6 dB): 55 Hz - 19 kHz	频率范围(-6 dB): 50 Hz - 20 kHz Frequency response (-6 dB): 50 Hz - 20 kHz
功率(额定 / 峰值) (AES): 500 W / 2000 W Power handling (RMS / Peak) (AES): 500 W / 2000 W	功率(额定 / 峰值) (AES): 650 W / 2600 W Power handling (RMS / Peak) (AES): 650 W / 2600 W
灵敏度(1 W / 1 m): 99 dB Sensitivity (1 W / 1 m): 99 dB	灵敏度(1 W / 1 m): 100 dB Sensitivity (1 W / 1 m): 100 dB
最大声压级(1 m): 132 dB MAX SPL (1 m): 132 dB	最大声压级(1 m): 134 dB MAX SPL (1 m): 134 dB
阻抗: 8 Ω Impedance: 8 Ω	阻抗: 8 Ω Impedance: 8 Ω
指向角度(水平 × 垂直): 70° × 55°, 号角可以旋转 Dispersion (H × V): 70° × 55°, HF-Horn rotatable	指向角度(水平 × 垂直): 70° × 55°, 号角可以旋转 Dispersion (H × V): 70° × 55°, HF-Horn rotatable
低音单元: 12"铁氧体单元, 3"音圈 LF Transducer: 12" neodymium magnet, 3" voice coil	低音单元: 15"钕磁单元, 4"音圈 LF Transducer: 15" neodymium magnet, 4" voice coil
高音单元: 1.4"钕磁PEN膜压缩单元, 1.75"音圈 HF Transducer: 1.4" neodymium magnet, PEN diaphragm, 1.75" voice coil	高音单元: 1.4" BMS 4554, 1.75"音圈 HF Transducer: 1.4" BMS 4554, 1.75" voice coil
保护: 高音保护 Protection: Tweeter protection	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: 2x Neutrik NL-4 pins +1 / -1 input / THRU, pins +2 / -2 N.C.	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.
吊挂系统: 11 × M8, 吊挂点 Rigging system: 11 × M8 rigging points	吊挂系统: 11 × M8, 吊挂点 Rigging System: 11 × M8 rigging points
箱体材料 / 喷漆: 15 mm桦木多层板 / 聚脲喷漆 Cabinet material / Coating: 15 mm birch plywood / Polyurea coating	箱体材料 / 喷漆: 15 mm桦木多层板 / 聚脲喷漆 Cabinet material / Coating: 15mm birch plywood / Polyurea coating
尺寸(W × H × D): 390 × 620 × 368 mm Dimensions (W × H × D): 390 × 620 × 368 mm	尺寸(W × H × D): 450 × 716 × 448 mm Dimensions (W × H × D): 450 × 716 × 448 mm
净重: 22.5 kg Net weight: 22.5 kg	净重: 31.5 kg Net weight: 31.5 kg

V-L8

Dual 8" two way line array speaker

V-L8是一款双8"可调角度的吊挂线阵,主要为音乐会等音响扩声系统和现场表演而设计,满足从小型到大型室内和室外场地扩声,每只音箱有650W额定操作功率。

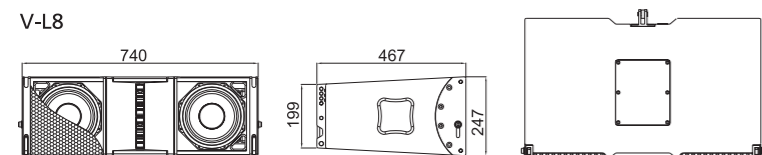
The V-L8 is dual 8" vertical line source concert system with variable curvature, primarily designed for live performances from small to large indoor and outdoor venue. The power handling is 650W RMS each top.



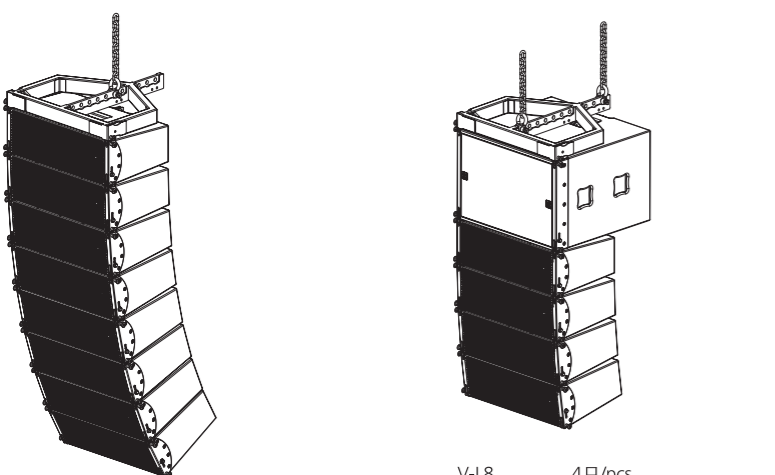
应用领域 Application

- 大中型演出 Large and medium scale performance
- 大中型体育场 Large and medium-sized stadium
- 剧院与礼堂 Theater and auditorium
- 音乐会, 酒吧, 俱乐部 Concert, pub, club

结构图 Structural diagram

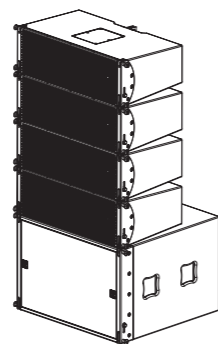


V-L8 使用说明 Operation Options



V-L8 8只/pcs
V-L8BF 1副/pc
带有V-L8BF吊架的V-L8线性阵列
V-L8 line array system with V-L8BF

V-L8 4只/pcs
V-LPS215B 1只/pc
V-L8BF 1副/pc
带有V-L8BF吊架与V-LPS215低音的V-L8
线性超低音阵列
V-L8 Line array system with V-L8BF and
V-LPS215 subwoofer



V-L8 4只/pcs
V-LPS215B 1只/pc
V-LPS215B低音与V-L8的全频落地安装系统
Full range ground installation system with V-LPS215B subwoofer and V-L8

参数规格 Specifications

型号名称/Model: V-L8	型号名称/Model: V-LPS215B
类型: 双8" 二分频线阵扬声器 Type: Dual 8" two way line array speaker	类型: 双15" 带通式超低音音箱 Type: Dual 15" bandpass subwoofer
频响范围 (-6 dB) : 70Hz - 19 kHz Frequency range (-6 dB) : 70Hz - 19 kHz	频响范围 (-6 dB) : 34 Hz - 150 Hz Frequency range (-6 dB) : 34 Hz - 150 Hz
最大声压级 (1 m) : 136 dB Max. SPL (1 m) : 136 dB	最大声压级 (1 m) : 136 dB Max. SPL (1 m) : 136 dB
水平指向角 (-6 dB) : 100° Horizontal Dispersion (-6 dB) : 100°	功率: RMS / Peak(AES) : 1200 W / 4800 W Power: RMS / Peak(AES) : 1200 W / 4800 W
垂直指向角 (-6 dB) : 10° × 1, 1°可调 Vertical Dispersion (-6 dB) : 10° × 1, adjustable to 1°	扬声器单元: 低音: 2x 15" 低音, 4" 音圈 1 × 4 Ω (2个8 Ω 并联) 2 × 600 W RMS (AES / 2 hrs) 灵敏度 (1 W / 1 m) : 99 dB 最大声压级 (AES) : 136 dB
最大吊挂数量 (12倍安全系数, 使用s e原厂附件) 24 pcs Max Qty of rigging (12 : 1 Safety factor, using s e original accessories): 24 pcs	Transducer: LF: 2x 15" , 4" voice coil 1 × 4 Ω (2 pcs of 8 Ω in parallel connection) 2 × 600 W RMS (AES / 2 hrs) Sensitivity (1 W / 1 m) : 99 dB Max. SPL (AES) : 136 dB
功率: 低音: RMS / Peak (AES) : 500 W / 2000 W 高音: RMS / Peak (AES) : 150 W / 600 W Power: LF: RMS / Peak (AES) : 500 W / 2000 W HF: RMS / Peak (AES) : 150 W / 600 W	箱体: 18 mm桦木多层板, 箱体外表面聚脲喷漆 Enclosure: 18 mm birch plywood, polyurethane coating
垂直指向角 (-6 dB) : 10° × 1, 1°可调 Vertical Dispersion (-6 dB) : 10° × 1, adjustable to 1°	6061铝型材, SUS 630不锈钢插销, 12倍安全系数 6061 Aluminium, SUS 630 stainless steel safety pin, 12 : 1 safety factor
扬声器单元: 低音: 2 × 8" 钕磁单元, 2" 音圈 1 × 16 Ω (2个8 Ω 串联) 2 × 250 W RMS (AES / 2 hrs) 灵敏度 (1 W / 1 m) : 103 dB 最大声压级 (AES) : 136 dB Transducer: LF: 2 × 8" neodymium magnet, 2" voice coil 1 × 16 Ω (2 pcs of 8 Ω in series connection) 2 × 250 W RMS (AES / 2 hrs) Sensitivity (1 W / 1 m) : 103 dB Max. SPL (AES) : 136 dB	输入接口 Neutrik®Speakon 2 × NL-4 pins +1 / -1 低音 pins +2 / -2 空接 Input interface Neutrik®Speakon 2 × NL-4 pins +1 / -1 LF pins +2 / -2 N.C.
扬声器单元: 高音: 2 × 1" 钕磁钛膜压缩单元, 1.35" 音圈 1 × 16 Ω (2个8 Ω 串联) 2 × 75 W RMS (AES / 2 hrs) 灵敏度 (1 W / 1 m) : 108 dB 最大声压级 (AES) : 136 dB Transducer: HF: 2 × 1" neodymium magnet, Titanium diaphragm, 1.35" voice coil 1 × 16 Ω (2 pcs of 8 Ω in series connection) 2 × 75 W RMS (AES / 2 hrs) Sensitivity (1 W / 1 m) : 108 dB Max. SPL (AES) : 136 dB	尺寸 (W × H × D) : 740 × 506 × 732 mm Dimensions (W × H × D) : 740 × 506 × 732 mm
推荐功放: 4只V-L8为一组 Recommended amplifier: 4 pcs of V-L8 as a set	净重: 81.5 kg Net Weight: 81.5 kg
低音: 2 × 1200 W / 8 Ω, 双通道 高音: 2 × 800 W / 8 Ω, 双通道 LF: 2 × 1200 W / 8 Ω, Dual channel HF: 2 × 800 W / 8 Ω, Dual channel	V-L8 配件说明 Accessories
推荐分频点 Recommended Crossover Frequency 低音 / 高音: 1.6 kHz LF / HF: 1.6 kHz	SK-075 3/4"卸扣 3/4"Shackle
箱体 Enclosure 18 mm桦木多层板, 箱体外表面聚脲喷漆 18 mm birch plywood, polyurethane coating	V-L8BF V-L12 吊架 V-L12 Bumper frame
吊挂系统 Rigging system 6061铝型材, SUS 630不锈钢插销, 12倍安全系数 6061 Aluminium, SUS 630 stainless steel safety pin, 12 : 1 safety factor	
输入接口 Neutrik®Speakon 2 × NL-4 pins +1 / -1 低音 pins +2 / -2 高音 Input Interface Neutrik®Speakon 2 × NL-4 pins +1 / -1 LF pins +2 / -2 HF	
尺寸 (W × H × D) : 740 × 247 × 467 mm Dimensions (W × H × D) : 740 × 247 × 467 mm	
净重: 27.5 kg Net weight: 27.5 kg	

M-62G2 / M-62AG2 M-82G2 / M-82AG2

6" / 8" Two way passive installation loudspeaker (vented)

M-62G2工程安装系列是专门针对中小型场所扩声设计的全频音箱,如咖啡厅,餐厅,专卖店和家庭录音等场所,产品设计独具魅力,箱体采用了坚固的中纤板及黑色聚脲漆;M-62AG2是完美的有源监听设备,适用于多种应用范围,箱体内置50W功放并含有自动省电模式,若3分钟内无信号输入则自动进入待机状态。

M-82G2是极佳的全频音箱,深沉得低音,宽广的频响,使得音质得到精准的再现,可作为一款阻抗8Ω的无源音箱独立使用。M-82AG2是一款集成80W A / B类功放有源音箱。智能化的SMB铝支架确保八寸系列的最佳的安装灵活性及角度可调性

M-62G2 is ideally used either as a full-range speaker for smaller installations, cafes, bistros, fashion shops. The attractive design features a sturdy MDF housing with black polyurea coating. Optimal installation is ensured by the included Smart-Mounting-Bracket. M-62AG2 is the ideal active monitor for many applications. The 50W RMS powered cabinet has a built-in "Auto Power Mode" which automatically switches the system into standby mode after 3 minutes without incoming signal.

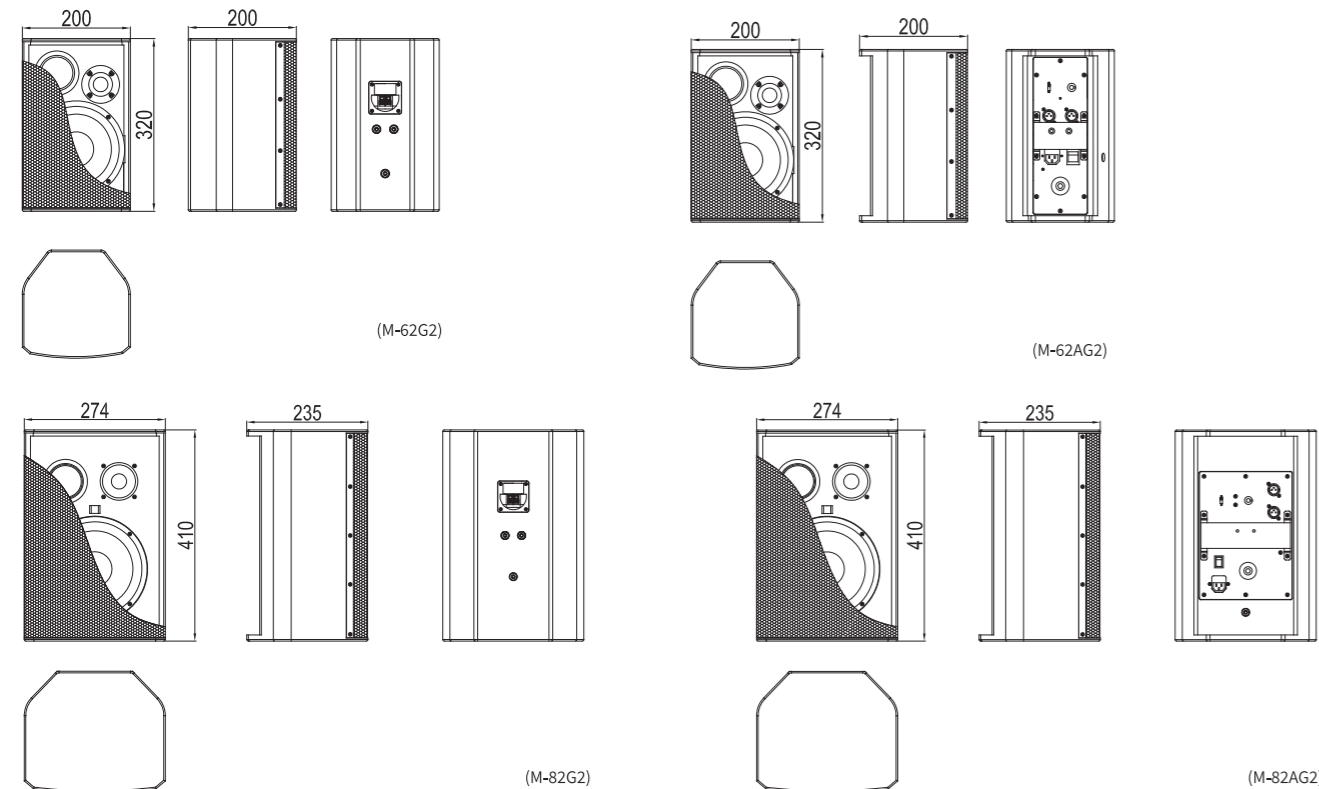
M-82G2 On the performance side, this is an excellent full range system that covers a large frequency range and also impresses with a deep bass fundament. The active version M-82AG2 offers the same acoustical performance and is powered by an integrated 80W Class A/B amplification module. SMB (Smart-Mounting-Bracket).



应用领域 Application

- 咖啡厅 Cafes
- 小餐馆 Bistros
- 小型会议 Small-scale meeting
- 时装店 Fashion shop

结构图 Structural diagram



参数规格 Specifications

型号名称 /Model: M-62G2	型号名称 /Model: M-62AG2
类型: 6"无源二分频音箱(倒相式) Type: 6" two way passive loudspeaker (vented)	类型: 6"有源二分频音箱(倒相式) Type: 6" two way active loudspeaker (vented)
频率范围(-6 dB): 55 Hz - 20 kHz Frequency response (-6 dB): 55 Hz - 20 kHz	频率范围(-6 dB): 55 Hz - 20 kHz Frequency response (-6 dB): 55 Hz - 20 kHz
功率(额定 / 峰值) (AES): 80 W / 130 W Power output (RMS / Peak) (AES): 80 W / 130 W	功率(额定/峰值) (AES): 50 W Power output (RMS / Peak) (AES): 50 W
灵敏度(1 W / 1 m): 87 dB Sensitivity (1 W / 1 m): 87 dB	灵敏度(1 W / 1 m): N / A Sensitivity (1 W / 1 m): N / A
最大声压级(1 m): 108 dB MAX SPL (1 m): 108 dB	最大声压级(1 m): 107 dB MAX SPL (1 m): 107 dB
阻抗: 16 Ω Impedance: 16 Ω	阻抗: N / A Impedance: N / A
指向角度(H × V): 60° × 60° Dispersion (H × V): 60° × 60°	指向角度(H × V): 60° × 60° Dispersion (H × V): 60° × 60°
低音单元: 6"铁氧体单元, 1"音圈 LF Transducer: 6", ferrite magnet, 1" voice coil	低音单元: 6"铁氧体单元, 1"音圈 LF Transducer: 6", ferrite magnet, 1" voice coil
高音单元: 钕磁丝膜单元, 1"音圈 HF Transducer: Neodymium magnet, 1" voice coil	高音单元: 钕磁丝膜单元, 1"音圈 HF Transducer: Neodymium magnet, 1" voice coil
吊挂系统: 3个M6吊挂点 Rigging System: 3 × M6 rigging points	输入 / 输出接口: 输入: XLR / 6.3 mm jack, 输出: XLR Input interface: Input: XLR / 6.3 mm jack, Output: XLR
箱体材料 / 喷漆: 12 mm MDF / 聚脲漆 Cabinet Material / Coating: 12 mm MDF / Polyurea coating	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.
尺寸(W × H × D): 200 × 320 × 200 mm Dimensions (W × H × D): 200 × 320 × 200 mm	吊挂系统: 3个M6吊挂点 Rigging system: 3 × M6 rigging points
净重: 4.5 kg Net Weight: 4.5 kg	箱体材料 / 喷漆: 12 mm MDF / 聚脲漆 Cabinet material / Coating: 12 mm MDF / Polyurea coating
附件: 包装自带SMB壁挂件 Attachment: Packaging comes with SMB wall hanging parts	尺寸(W × H × D): 200 × 320 × 200 mm Dimensions (W × H × D): 200 × 320 × 200 mm
	净重: 5.5 kg Net weight: 5.5 kg

型号名称 /Model: M-82G2	型号名称 /Model: M-82AG2
类型: 8"无源二分频音箱(倒相式) Type: 8" two way passive loudspeaker (vented)	类型: 8"有源二分频音箱(倒相式) Type: 8" two way active loudspeaker (vented)
频率范围(-6 dB): 50 Hz - 20 kHz Frequency response (-6 dB): 50 Hz - 20 kHz	频率范围(-6 dB): 50 Hz - 20 kHz Frequency response (-6 dB): 50 Hz - 20 kHz
功率(额定 / 峰值) (AES): 120 W / 200 W Power output (RMS / Peak) (AES): 120 W / 200 W	功率(额定/峰值) (AES): 80 W Power output (RMS / Peak) (AES): 80 W
灵敏度(1 W / 1 m): 93 dB Sensitivity (1 W / 1 m): 93 dB	灵敏度(1 W / 1 m): 93 dB Sensitivity (1 W / 1 m): 93 dB
最大声压级(1 m): 114 dB MAX SPL (1 m): 114 dB	最大声压级(1 m): 114 dB MAX SPL (1 m): 114 dB
阻抗: 8 Ω Impedance: 8 Ω	阻抗: 4 Ω Impedance: 4 Ω
指向角度(H × V): 60° × 60° Dispersion (H × V): 60° × 60°	指向角度(H × V): 60° × 60° Dispersion (H × V): 60° × 60°
低音单元: 8"铁氧体单元, 1.5"音圈 LF Transducer: 8", ferrite magnet, 1.5" voice coil	低音单元: 8"铁氧体单元, 1.5"音圈 LF Transducer: 8", ferrite magnet, 1.5" voice coil
高音单元: 钕磁丝膜单元, 1"音圈 HF Transducer: Neodymium magnet, 1" voice coil	高音单元: 钕磁丝膜单元, 1"音圈 HF Transducer: Neodymium magnet, 1" voice coil
输入 / 输出接口: 夹式连接 Input Interface: Clamp Connection	输入 / 输出接口: 输入: XLR / 6.3 mm jack, 输出: XLR Input interface: Input: XLR / 6.3 mm jack, Output: XLR
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.	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.
吊挂系统: 3个M6吊挂点 Rigging System: 3 × M6 rigging points	吊挂系统: 3个M6吊挂点 Rigging system: 3 × M6 rigging points
箱体材料 / 喷漆: 12 mm MDF / 聚脲漆 Cabinet Material / Coating: 12 mm MDF / Polyurea coating	箱体材料 / 喷漆: 12 mm MDF / 聚脲漆 Cabinet material / Coating: 12 mm MDF / Polyurea coating
尺寸(W × H × D): 274 × 410 × 235 mm Dimensions (W × H × D): 274 × 410 × 235 mm	尺寸(W × H × D): 274 × 410 × 235 mm Dimensions (W × H × D): 274 × 410 × 235 mm
净重: 7.0 kg Net Weight: 7.0 kg	净重: 9.7 kg Net weight: 9.7 kg

M-121A MONG2-P

12" two way co-axial active stage monitor

M-121A MONG2-P是一款高品质的有源同轴舞台监听音箱,配合高质量功放,提供了精准的乐器及各种声音再现还原。

Volex电源系统使得监听系统的连接更为安全,也使得一套大的舞台监听系统只用一个电源的安装方式成为可能。该监听系统还具有软削波限制以及音量控制功能。箱体由高品质多层板及黑色聚脲漆,箱体监听角度是35°。

The M-121A MONG2-P features a high end 12" co-axial speaker with a compression driver and offers precise sound reproduction of various instruments.

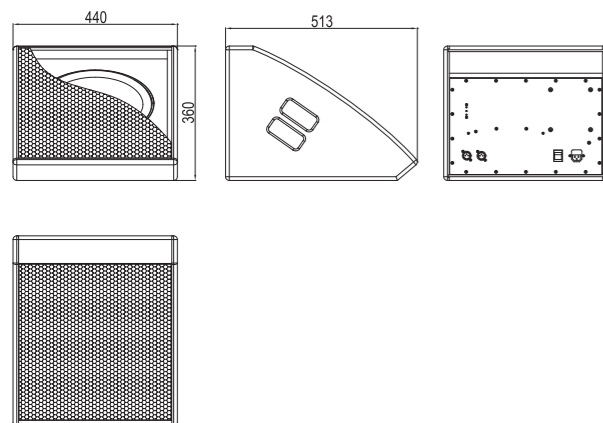
The Volex power supply system allows a secure connection of further active monitors. This feature enables the installation of a big active stage monitor system while using only one power plug. The monitors also come with a soft-clip-limiter as well as a volume control. The housing is made out of high-quality plywood and black polyurea coating. The monitor angle is 35°.



))) 应用领域 Application

- 流动演出 Touring performance
- 小型扩声 Small amplification

))) 结构图 Structural diagram



(Se M-121AG2-P)

))) 参数规格 Specifications

型号名称:	M-121A MONG2-P	M-121A MONG2-P
类型:	12" 有源二分频同轴舞台监听	12" Two Way Co-axial Active Stage Monitor
频率范围(-6 dB):	80 Hz - 20 kHz	80 Hz - 20 kHz
功率(RMS):	250 W	250 W
灵敏度(1 W / 1 M):	100 dB	100 dB
最大声压级(1 M):	124 dB	124 dB
阻抗:	4 Ω	4 Ω
指向角度(水平 Tx 垂直):	75° × 75°	75° × 75°
低音单元:	12"铁氧体单元, 2.4"音圈	12" ferrite magnet, 2.4" voice coil
高音单元:	1"铁氧体耐高温聚酯膜压缩单元, 1.35" 音圈	1" Exit, Ferrite, polyester film compression unit, 1.35" voice coil
分频点:	1.8 KHz	1.8 kHz
保护:	限幅器, 短路	Limiter, Short circuit
输入接口/输出接口:	输入: XLR / 6.3 mm jack (组合), 输出: XLR	Input: XLR / 6.3 mm jack (combo) Output: XLR
箱体材料/喷漆:	15mm精选多层板 / 聚脲漆	15 mm selected plywood Polyurea coating
尺寸(W × H × D):	440 × 360 × 513 mm	440 × 360 × 513 mm
净重:	17.8 Kg	17.8 kg

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AB类专业功率放大器。

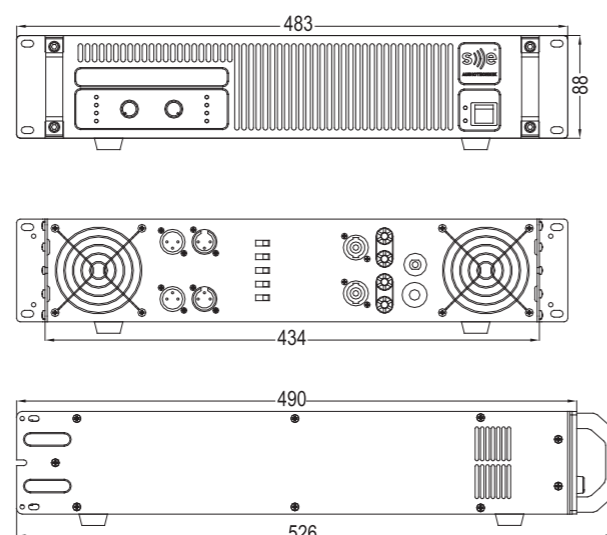
MA-2000 series power amplifiers are equipped with DDT compression and double overheating protection system by adopting German technology. Each amplifier comes with a mute switch protection and also a startup protection for overheating/DC/short circuit/overloading. The internal structure and circuit design 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 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(@ 1W/20 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 (+/- 0.1 dB):	20 Hz-20 kHz	20 Hz-20 kHz	20 Hz-20 kHz	20 Hz-20 kHz	20 Hz-20 kHz
Reflex response (@ 1W/20 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