



FS Series

Compact Installation Loudspeaker System
小型安裝系統

簡約與靈活從未如此融合
Simple and elegant



- FS系列是一組能提供流動與固定安裝模式的揚聲器，是大眾化價格市場所需求的性價比產品。
- FS系列結構緊湊、聲音清晰、適用於中、小型場所和流動擴聲的揚聲器系統。具有體積細小、重量輕並極其堅固、安裝快捷方便、用途廣泛的特點。它既可以為多種場所作為分布式擴聲系統的主擴聲揚聲器系統提供高保真的聲音重放。又可作為大型場館的補聲揚聲器系統。在流動型的擴聲系統中還可以將FS系列組合成揚聲器系統組群。所有的FS系列全頻音箱均可作為地面返聽音箱使用。
- FS series is a kind of speaker that can provide both mobile and fixed installation modes. It is a high price quality series for a popular market.
- FS series is compact structured and its sound is clean and clear. It is suitable for small and medium size performance and mobile PA system. Small size, light weight, solid, convenient for installation and widely use is FS series' characteristic. It can be use as main PA speaker of distributed PA system to output hi-fi sound replay in various place, and also can be the sound reinforcement system of large gymnasium, even can be composed into a speaker system group in mobile PA system. All FS series full range speaker can be use as ground monitor speaker.





Enclosure Design 箱體設計

FS系列音箱採用優質的膠合板加工而成，令到FS系列音箱堅固結實的同時具有良好的聲學特性。多邊形的外形設計用途廣泛。把手、支撐底座、懸掛吊點集成一體。

FS series' enclosure is made of high quality birch plywood to ensure its solid structure and good acoustical characteristic. Polygon shape design is extensive use. Handle, supporting base and suspension point are all in integrated.



Driving Unit 驅動單元

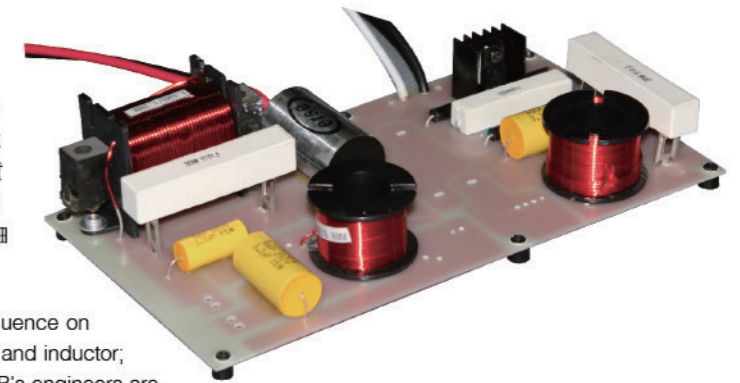
FS系列的喇叭單元都是經過精心設計，高頻壓縮單元採用了1"喉口設計，鈦金屬的膜片加上先進的磁路設計，最終能夠產生細膩和自然的高音音色。低頻驅動單元的音圈採用了專門設計的扁平銅線繞制而成，可提供最高的瞬態響應，具有高效和快速而準確的瞬態響應。

FS series' loudspeaker unit is well-designed. The HF compression unit uses 1" throat design, titanium diaphragm and advanced magnetic path design results smooth and nature HF sound. The coil of LF driving unit is surrounded by designed flat cooper wire. This design can lead a bigger power processing ability; provide the highest transient response and high efficiency, speedy and accurate transient response.



Crossover 分頻器

除了驅動單元本身，分頻網絡對音質的優劣有着舉足輕重的影響。分頻網絡是由電容、電阻、電感等元器件組成，在設計上很難有革命性的突破和改良。但博聲音響的工程師仍不斷努力地去改良優化聲音質量，無源分頻器採用了相鄰頻段之間重疊很少的3階（18dB/倍頻程）斜率濾波器，讓音頻響應曲線更加平直、降低失真和相位幹擾。精細調整的分頻網絡和音箱結合，產生杰出的音質和均勻一致的覆蓋區。



Except driving unit itself, the crossover network has a significant influence on sound quality. Crossover network is composed by capacitor, resistor and inductor; it is hardly to make a revolutionary change for such a design, but BOB's engineers are trying their best to optimize the sound quality. Passive crossover uses 3 level (18dB/octave) slope filter which has little overlap between two adjacent frequency segments. It results a flatter audio response curve, lower distortion and phase interference. Combining with smoothly adjusted crossover network and speaker to make fantastic sound and average covering area.

Unapproachable Process Detail 無可匹敵的工藝細節

音箱的頂底部設有符合人體工程學的一體化木質把手，底部裝有1個36mm的支撐底座。用于支架安裝，或與其它型號的超低頻音箱連接。頂底部和背板側面板裝有懸吊用的M8吊裝螺絲。

There are ergonomic handles on both sides of the enclosure that easy to delivery, one 36mm supporting base on top for supporting installation and connecting with other models, M8 suspension screw are installed on front side and back side.



Special Broadband Constant Directing Waveguide 獨有的寬頻恒指向波導號角

聚氨酯壓鑄的橢圓形寬頻恒指向波導號角是博聲音響獨有的設計。由于聲波是呈球形擴散的特性，橢圓形波導號角提供了恒定的波束寬帶和指向性，這種獨特的波導技術消除了因為號角轉角引起的高頻毛刺和失真，由于沒有較大的平直面，所以與傳統的號角相比少了很多頻帶內的共振，避免了傳統矩形號角的弊病。由于具有寬頻帶、低失真、和極少的聲染色，橢圓形寬頻恒指向波導號角這種設計更加具有良好的聲學特性指標，聲音遠比傳統的號角自然。

Polyurethane die-casted oval eternal pointing waveguide horn is BOB's own design. Due to sound-wave's spherical diffusion character, oval waveguide horn can provide constant wave beam broadband and directing, this special waveguide technology eliminate the high frequency burr and distortion which causing by horn's turn angle. Because there is no big flat plate, it has much less resonance in frequency range comparing with traditional horn that throwing out the disadvantage of traditional rectangular horn. Oval broadband constant directing horn design is wide frequency range, low distortion and little acoustic coloring, it has good acoustic characteristics of indicators, more natural sound than traditional horn.



Combine As You Want

根據你的風格和需要任意組合

為了適應于各種特殊需求場合，使其成為更廣泛專業應用的理想選擇。所有型號的音箱除了標準的垂直安放，還可以傾斜安放作為舞臺地面監聽或者輔助監聽使用。每款FS的音箱底部都有配有36MM腳架安裝孔作為立杆安裝使用，頂部和側面板裝有有多個M8吊裝螺母作為固定吊裝使用。

To meet all places using, become the ideal choose of professional application. All the models can be placed vertically as standard or horizontally as stage monitor. All the bottoms is installed with 36mm pole mount socket, there are many M8 screw on top and sides.



Installation 安裝配件

FS系列所有型號的音箱都配備了各種吊具和支架，安裝工程師可以根據使用需要選配安裝吊具。

All models of FS series provide kinds of spreader and bracket for installation engineer to choose according to all requirements.

