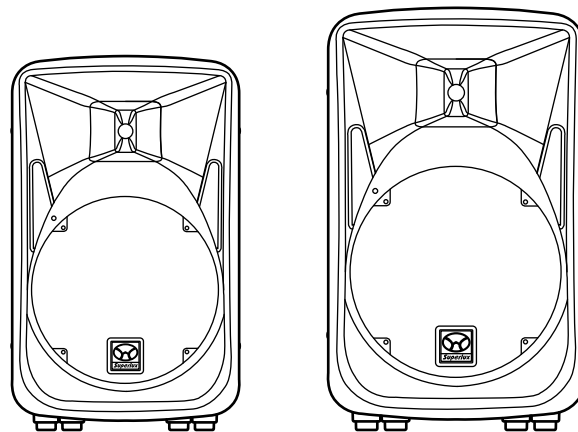


## SF112A SF115A

**12" 2-way Active Sound Reinforcement Loudspeaker**  
**15" 2-way Active Sound Reinforcement Loudspeaker**

*Live Sound, Speech, Playback, DJ, A/V, Institutional Venues*



SF112A

SF115A

### General Description

The SF112A and SF115A are 2-way powerful and reliable loudspeakers. With its high-current capacity amplifiers, high-output 1.75" titanium diaphragm compression driver, and special magnet heat radiator woofer, they produce an even smoother sound than the original. Our design goal was to build a sound reinforcement speaker with:

- High output, most reliable and accurate playback.
- Very wide, smooth dispersion of mid and high frequencies.
- Light weight and ergonomical design for easy transport.

Through the combined resources of our analog engineers, and our experienced transducer engineers, and the the result is a highly impact sound reinforcement system which will amaze your hearing experience.

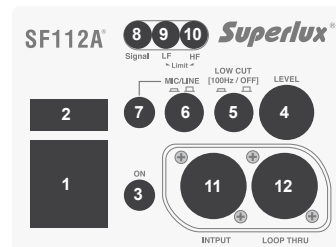
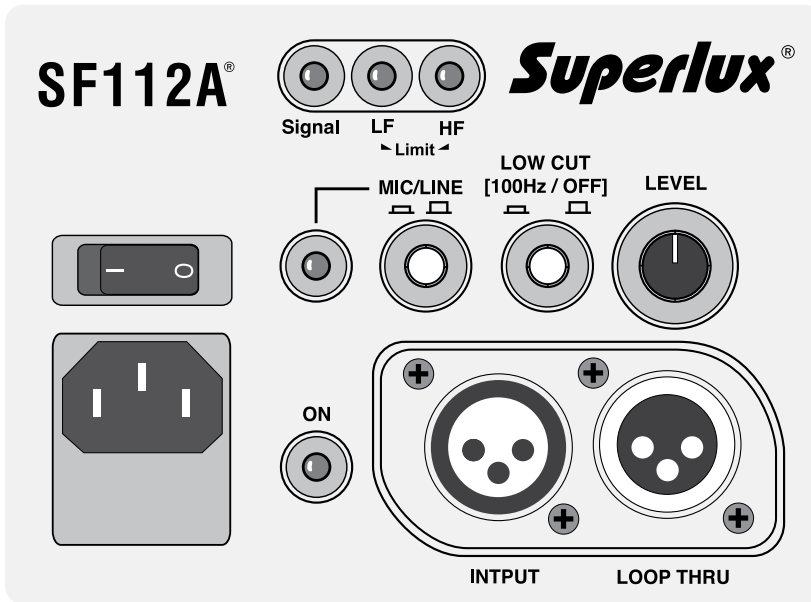
### Features

- 2-way bi-amplified, Active loudspeaker system
- 300W class-D, LF amp / 100W HF amp
- High-output precision titanium compression driver
- Neodymium long-throw low frequency transducer
- Built-in 24dB LR electronic crossover
- Mic/line input and pass-thru connector
- Lightweight molded composite cabinet
- 45 or 55 degree angles for aiming up toward performers when used as a floor monitor
- Flyable, pole mountable, floor wedge-able , stackable, and wall mountable
- Optional active subwoofer SF118AS to extend very low frequency response

### Specifications

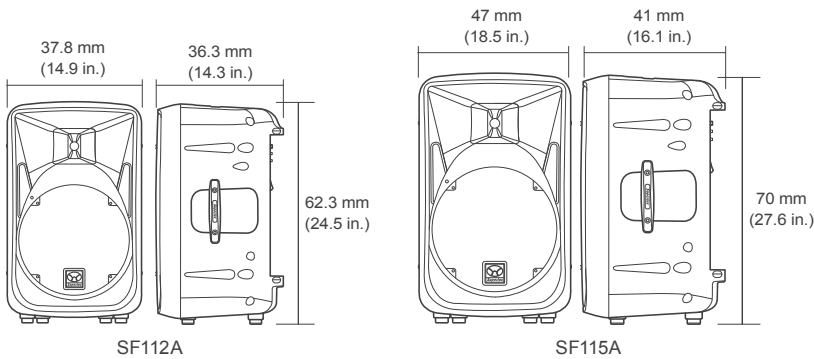
	SF112A	SF115A
Model No.	SF112A	SF115A
Type	12" 2-way	15" 2-way
LF Power Amp	300W (class D), RMS	300W (class D), RMS
HF Power Amp	100W (class AB), RMS	100W (class AB), RMS
Input Type	servo balanced	servo balanced
Input Impedance	20 kΩ	20 kΩ
Sensitivity	Line: 1.23V (+4dBu)	Line: 1.23V (+4dBu)
Freq. Range (-10dB)	50 Hz - 15k Hz	45 Hz - 15k Hz
Max Calculated SPL	128 dB	129 dB
Crossover Frequency	2.4 k Hz	2.4k Hz
HPF	Switchable 100 Hz	Switchable 100 Hz
Connectors	Input: XLR Output: Male XLR Link	Input: XLR Output: Male XLR Link
AC Input	Male IEC	Male IEC
AC Power Requirement	115V, 50 Hz/60 Hz	115V, 50 Hz/60 Hz
(Depends on region)	230V, 50 Hz/60 Hz	230V, 50 Hz/60 Hz
HF Horn Coverage, Angles(-6dB)	90°H x 45°V	90°H x 45°V
Enclosure Material	(PP) Polypropylene	(PP) Polypropylene
Suspension	5 × M8: Top×2, Bottom × 2 and 1 on rear of enclosure	5 × M8: Top×2, Bottom × 2 and 1 on rear of enclosure
Finish/Color	Black	Black
Transducers/ Replacement Parts	LF: L12FN 12" (305mm), Neodymium HF: H44F, 1.75" (44 mm), Ferrite	L15FN 15" (381 mm), Neodymium HF: H44F, 1.75" (44 mm), Ferrite
Dimensions(HxWxD)	62.3 × 37.8 × 36.3 (cm) 24.5 × 14.9 × 14.3 (in.)	70 × 47 × 41 (cm) 27.6 × 18.5 × 16.1 (in.)
Net Weight	19.5 kg (43 lbs)	22 kg (48.5 lbs)
Shipping Weight	21.8 kg (48 lbs)	24.5 kg (54 lbs)



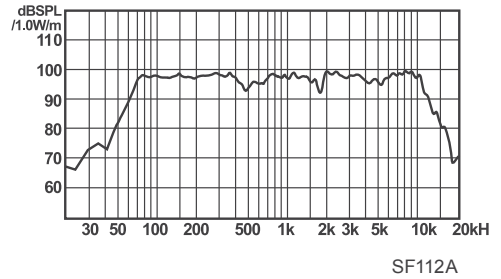


1. **IEC POWER SOCKET**  
Before connecting to the AC outlet, make sure the voltage is same as required.
2. **POWER SWITCH**  
This switch will determine the SF Series speaker where on or off. Make sure the level control is down before you turn it on.
3. **ON indicator**  
This green indicator lights on when power is turned on and it goes off when power is off.
4. **MIC/LINE level control**  
This knob determines the input level (microphone or line inputs) to be sent to built-in power amplifier.
5. **LOW CUT FILTER**  
This Pushing in this switch engages a low-cut filter, which rolls off 12 dB per octave at the low frequencies below 100 Hz. This is useful for minimizing stage noise (rumble) and microphone handling noise. It is highly recommended that you engage this switch when using the SF speaker as a stage monitor. This allows the bass amplifier to utilize its power for those frequencies useful in stage monitor applications.
6. **MIC/LINE SWITCH**  
Press down this button and the INPUT jack is for microphone input source, and release this button the INPUT jack is for line source, like mixer or signal processors.
7. **MIC/LINE INDICATOR**  
When MIC/LINE SWITCH (no. 6) is pressed down, this indicator will be lighted up, and the VOLUME CONTROL (no. 4) is for microphone input. When it is off, then VOLUME CONTROL (no. 4) is for line source.
8. **SIGNAL INDICATOR**  
When input level gets to -40dBu, then this indicator will be on to inform the user there is input signal sent in.
9. **LF LIMITER**  
When built-in LF power amplifier is overloaded, the built-in limiter circuit will be engaged to the audio path to prevent speaker damaged by over-drive or excess signal level. This indicator will keep on when LF limiter is triggered.
10. **HF LIMITER**  
When built-in HF power amplifier is overloaded, the built-in limiter circuit will be engaged to the audio path to prevent speaker damaged by over-drive or excess signal level. This indicator will keep on when HF limiter is triggered.
11. **XLR INPUT JACK**  
This is a female XLR-type connector that accepts a balanced or unbalanced mic- or line-level signal.
12. **XLR LOOP THRU JACK**  
This is a male XLR-type connector that produces exactly the same signal that is connected to the INPUT jack. It can be a balanced or unbalanced mic- or line-level signal. Use it to daisy-chain several active speakers together off the same signal source.

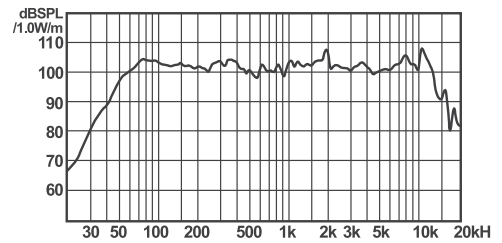
## Dimensions



## Frequency Response

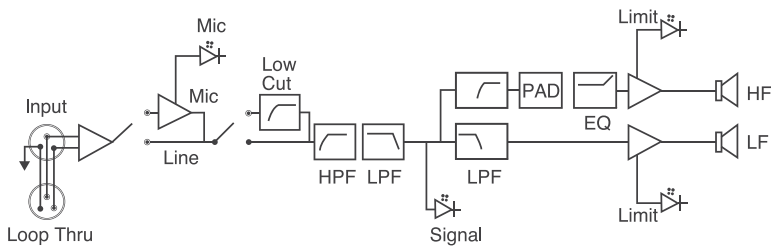


SF112A

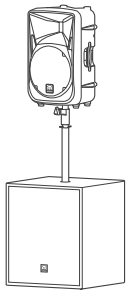


SF115A

## Block Diagram of SF112A and SF115A



## Performance Match



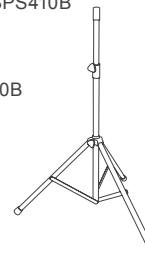
Optional SF118AS 18" active subwoofer with 500 watts class-D power amp to extend low end frequency response and SPA01 subwoofer pole allows to put SF112A or SF115A on the top of subwoofer.

## Optional Accessories

### Tripod Stand

model# SPS410B

SPS410B

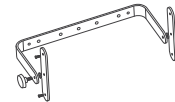


### U-Bracket Kit

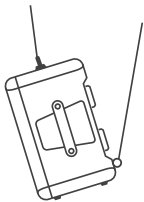
model# AX112 and AX115

AX112 for SF112A

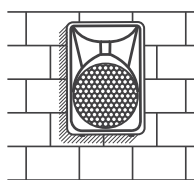
AX115 for SF115A



## Installation & Placement of SF112A and SF115A



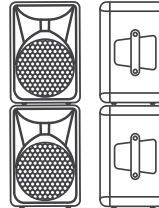
Suspension



On a Wall



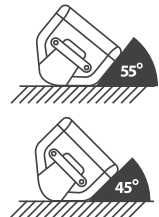
On a Stand



Stacking



Pol Mount on a Subwoofer



For Monitor

## Contact

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Superlux Taiwan  
+886-2-26931323  
sales@superlux.com.tw  
support@superlux.com.tw

### Manufacturing & logistics

Superlux Enterprise  
Development(Shanghai)Co., Ltd.

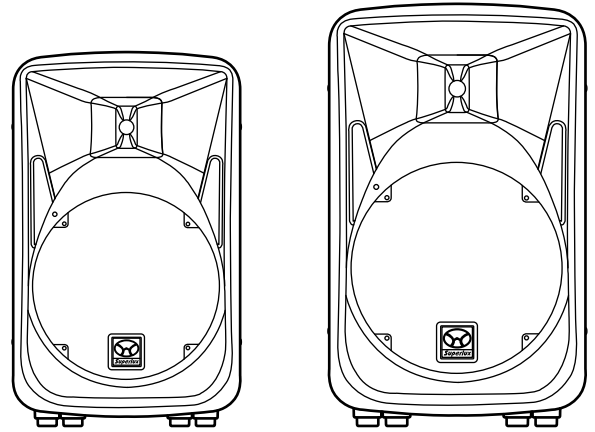
[www.superlux.com.tw](http://www.superlux.com.tw)

## SF112A SF115A

12吋两音路有源扩声音箱

15吋两音路有源扩声音箱

现场演出、演讲、音乐播放、DJ、音响/视讯、机构演出场地



SF112A

SF115A

### 概述

SF112A 和 SF115A是强悍有力且坚固耐用的音箱。具有高电流功率扩大机、高音压1.75吋钛金属振膜压缩驱动单元及特殊磁铁热幅射低音单元，所以能产生比一般喇叭更平顺的音色。而我们的设计的SF系列喇叭的目标是要建立PA扩声喇叭含有以下特色：

- 高输出、最耐用且音色精准
- 很宽、顺畅的中、高音扩散角度
- 轻量及符合人体工学，使之易于携行

经由我们资深的线路工程师及单体工程师团队的努力，使得以上每一个特点均能具体实现。而SF系列的的结果就是充满动态能量的扩音喇叭，它的音色将给你惊讶的听觉体验。

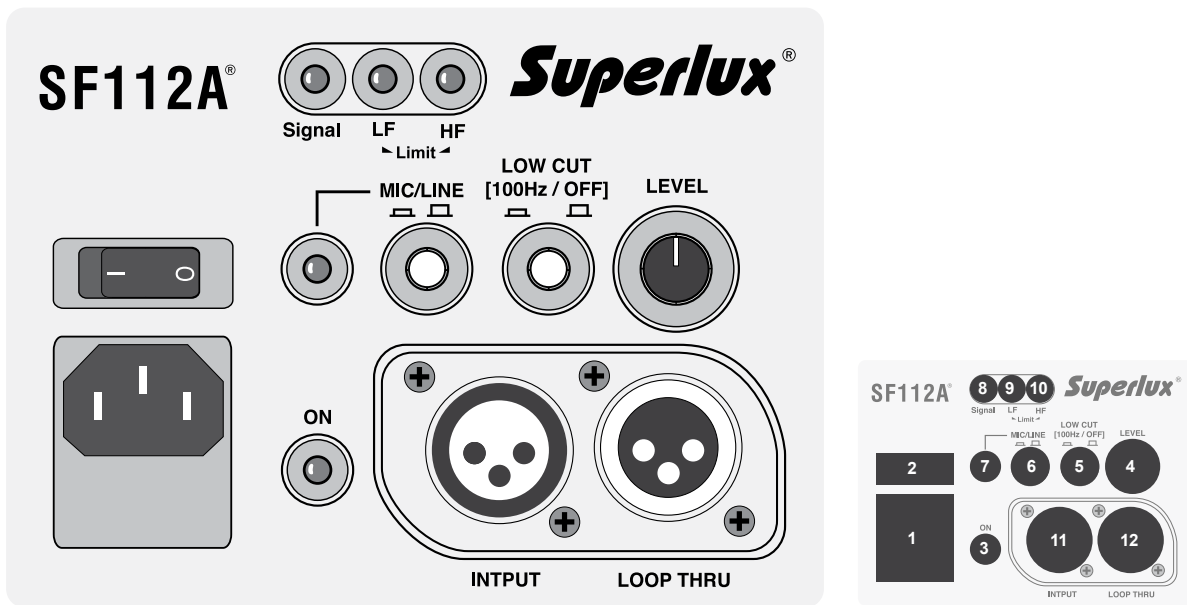
### 特征

- 双功放及优化有源音箱系统
- 300瓦D类低音功放及100瓦高音功放
- 高音压输出之精准钛金属压缩式驱动单元
- 高能量钕铁长冲程低音单元
- 内建6阶/24dB主动分频器
- 麦克风/高电平输入及直接输出接口(XLR)
- 轻量化的塑料结构提供最佳的移动便利
- 45度及55度之反馈监听音箱角度
- 可悬吊、音箱架安装、墙面安装、反馈监听音箱及堆栈



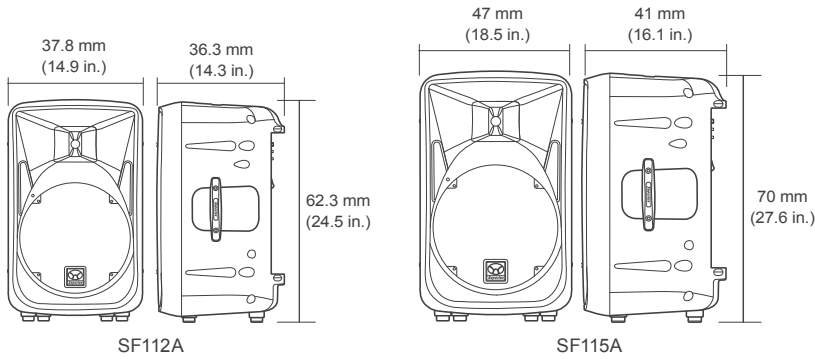
### 规格

规格	SF112A	SF115A
型号	SF112A	SF115A
型式	12吋两音路	15吋两音路
低频功放	300W, RMS (平均功率)@1% THD	300W, RMS (平均功率)@1% THD
高频功放	100W (AB), RMS (平均功率)@1%THD	100W (AB), RMS (平均功率)@1%THD
输入型式	伺服平衡式	伺服平衡式
输入阻抗	20 kΩ	20 kΩ
灵敏度	1.23V (+4 dBu)	1.23V (+4 dBu)
频率响应(-10dB)	50 Hz - 15k Hz	45 Hz - 15k Hz
最大声压	128 dB	129 dB
分频点	2.4 k Hz	2.4k Hz
高通滤波器	可切换 100 Hz	可切换 100 Hz
接口	输入: XLR 母座 输出: XLR 公座	输入: XLR 母座 输出: XLR 公座
电源插座	Male IEC	Male IEC
电源需求(依区域而定)	115V, 50 Hz/60 Hz 230V, 50 Hz/60 Hz	115V, 50 Hz/60 Hz 230V, 50 Hz/60 Hz
高频号角涵盖角(-6dB)	水平×垂直 90° H×45° V	水平×垂直 90° H×45° V
箱体材质	聚丙烯 (PP)	聚丙烯 (PP)
悬吊点	5个M8 (顶部×2、底部×2、背面×1)	5个M8 (顶部×2、底部×2、背面×1)
表面颜色	黑色	黑色
单元/更换零件	低频: L12FN 12" (305 mm), 钕铁 高频: H44F, 1.75" (44 mm), 铁氧体	低频: L15FN 15" (381 mm), 钕铁 高频: H44F, 1.75" (44 mm), 铁氧体
尺寸(高×宽×深)	62.3 x 37.8 x 36.3 (cm) 24.5 x 14.9 x 14.3 (in.)	70 x 47 x 41 (cm) 27.6 x 18.5 x 16.1 (in.)
净重	19.5 kg (43 lbs)	22 kg (48.5 lbs)
毛重	21.8 kg (48 lbs)	24.5 kg (54 lbs)

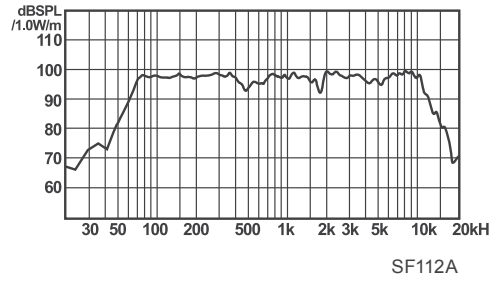


1. 电源插座  
在插入电源前, 请先确定所提供的电源电压与喇叭所设定需求的电压是一致的。
2. POWER电源开关  
此开关可设定接通或关掉电源。在打开或关掉电源前, 请先确定音量旋钮是设定在最小的位置。
3. ON 电源指示灯  
当电源打开时, 此指示灯将点亮。
4. MIC/LINE LEVEL音量控制  
此旋钮决定接至此喇叭之麦克风或高电平讯号的音量大小, 讯号将传送至内建的功率放大器。
5. LOW CUT FILTER 高通滤波器  
按下此开关将接上高通滤波器, 每倍频衰减12分贝, 频率点定在100赫兹。它的用处是在减少从舞台震动传来的噪音或是减少麦克风的手持噪音。当SF喇叭是用来当作舞台监听喇叭使用时, 强烈建议将此按键按下, 以降低回授产生的可能性。
6. MIC/LINE 麦克风/高电平讯号选择开关  
按下此键, 适合用于输入讯号为麦克风讯号; 释放此键, 适合来自于混音机或讯号处理器的高电平讯号。
7. MIC/LINE 麦克风/高电平指示灯  
当编号6的MIC/LINE键被按下时, 此灯点亮, 表示目前编号4的音量旋钮适用于麦克风输入讯号; 该键释放时, 此灯熄灭, 表示目前编号4的音量旋钮适用于高电平输入讯号。
8. SIGNAL 讯号指示灯  
当有讯号输入至SF喇叭达到-40dBu时, 此灯号即点亮。
9. LF LIMITER 低频扩大机限幅器  
当输入讯号过大, 造成内建扩大机过载时, 会启动限幅器。此灯号显示低频扩大机已启动限幅器保护线路。
10. HF LIMITER 高频扩大机限幅器  
当输入讯号过大, 造成内建扩大机过载时, 会启动限幅器。此灯号显示高频扩大机已启动限幅器保护线路。
11. XLR INPUT 输入插座  
此XLR母座允许由调音台或是讯号处理器传送过来的高电平讯号的插入。麦克风讯号也允许由此接入。
12. XLR LOOP THRU连接输出插座  
可透此接座连接至另一支SF喇叭的输入插座中, 形成一个系列的连接, 扩充喇叭的音量及涵盖面积。

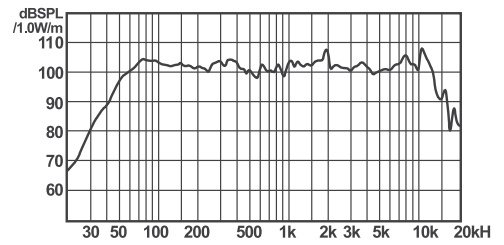
## 尺寸



## 频率响应图

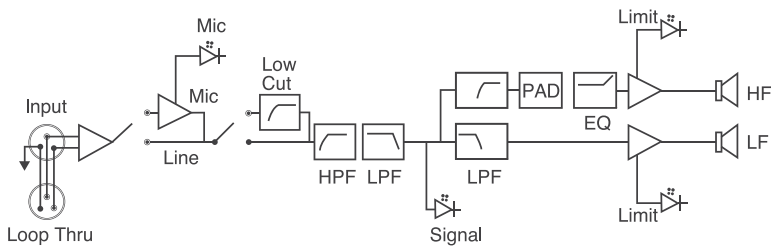


SF112A

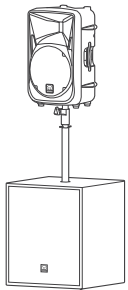


SF115A

## SF112A及SF115A系统方块图



## 搭配超低音

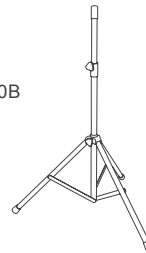


可选购18吋有源500瓦低类功放超低音箱, 以扩展低频的表现。再加上一支SPA01超低音音箱立杆, 可将SF112A或SF115A架在超低音音箱上。

## 选购配件

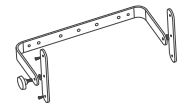
### 音箱立架

SPS410B

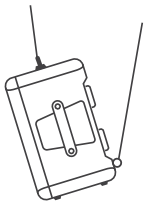


### U型安装吊架

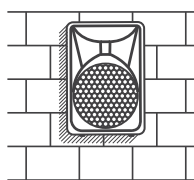
AX112 for SF112A  
AX115 for SF115A



## SF112A及SF115A位置和安装



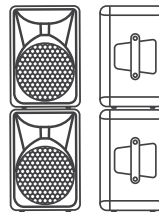
悬吊



墙上



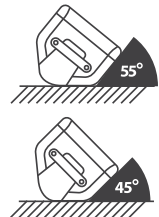
脚架上



堆栈



主音箱+  
超低音音箱



反馈音箱

## 连络我们

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