

SF BEST VALUE SERIES

ACTIVE SOUND REINFORCEMENT LOUDSPEAKERS

SF15A 15-inch two-way

SF15AS 15-inch subwoofer

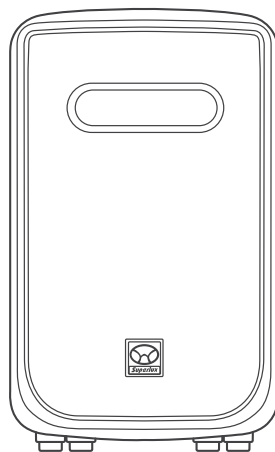
SF12A 12-inch two-way

SF12AS 12-inch subwoofer

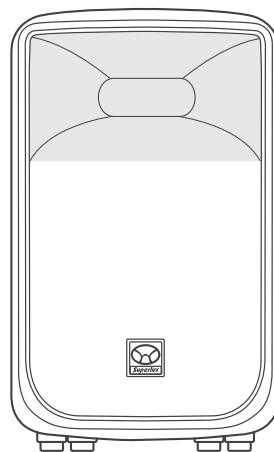
SF10A 10-inch two-way

SF8A 8-inch two-way

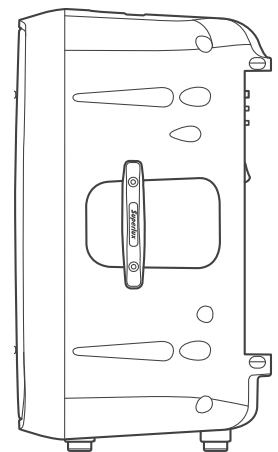
*Live Sound, Speech, Playback, DJ, A/V,
Institutional Venues*



SF15/ 12/ 10/ 8 A



SF15/ 12 AS



Side

General Description

The SF Series set a best value for powered speakers. Their design provide the user an easy to use 2-band EQ section, reliable driver protection circuit and plenty of power in a very compact, attractive package. The high quality microphone preamplifier provides great sounding vocals or speech. A master level control sets the desired SPL, and the mic/line input is a flexible feature for a small PA with a single microphone. Its linear response is easily optimized for speech or music with the on board 2-band equalization. Built-in pole mount and optional rigging hardware make it easy to position for your application. The high-frequency section utilizes an integrated 90° x 45° horn to ensure high intelligibility. Vocals sound natural yet "cut through" reverberant, noisy rooms. The SF12AS 12-inch subwoofer is a good match to work with SF12A full range speaker and SF15AS 15-inch subwoofer can use with SF15A full range speaker to extend the low end response giving better punch and bass power.

Features

Full-range Active Speakers

- 2-way bi-amplified full range speakers, optimized active speaker system
- Lightweight, Ergonomic Size
- Angled Enclosure for Monitor Use with 45 and 55 degrees
- Mic/Line Inputs
- LF and HF Equalization
- Line Output for Additional Speakers
- 90° x 45° Constant Coverage Horn
- Overload Protection
- Easily Suspended with Optional Rigging Kit

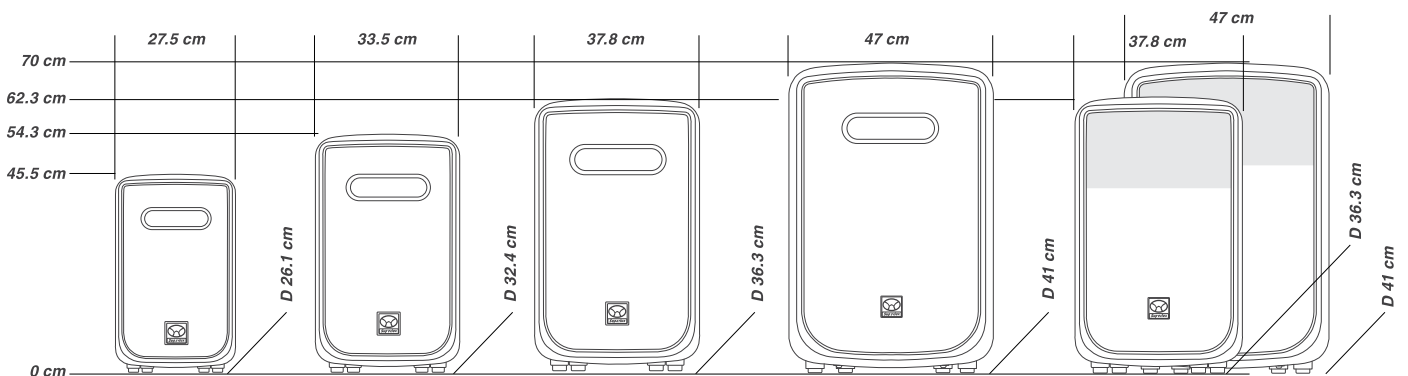
Molded Active Subwoofer

- 500 watts class-D power amplifier for both SF12AS and SF15AS subwoofer
- Built-in crossover and satellite speaker output

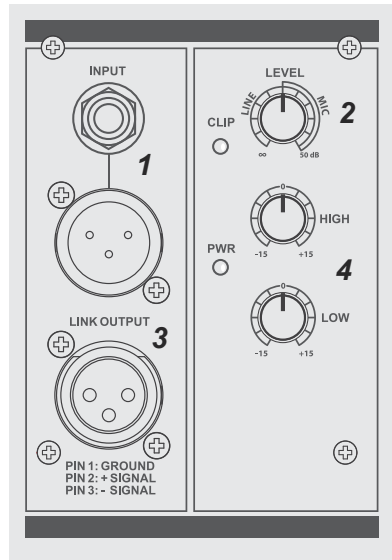
Specifications

Model No.	SF15A / 12A / 10A / 8A	SF15AS / SF12AS
Type	15 / 12 / 10 / 8 -inch, two-way	15-inch / 12-inch subwoofer
LF Power Amp	SF15A & SF12A: 200 W RMS (Class AB); 320 W Peak SF10A & SF8A: 100 W RMS (Class AB); 160 W Peak	500 W RMS (Class D)
HF Power Amp	SF15A & SF12A: 50 W RMS (Class AB); 80 W Peak SF10A & SF8A: 25 W RMS (Class AB); 40W peak	-
Input Type	Servo balanced	Servo balanced
Input Impedance	Line: 20k Ω Mic: 2k Ω	Line: 23k Ω
Input Sensitivity	Line: 1.23 V (+4 dBu)	Line: 0.775 V (0 dBu)
Frequency Response (-10 dB)	SF15A: 52 Hz - 20k Hz SF12A: 55 Hz - 20k Hz SF10A: 60 Hz - 20k Hz SF8A: 62 Hz - 20k Hz	SF15AS: 40 Hz -275 Hz SF12AS: 43 Hz -275 Hz
Max. Peak SPL	124 / 125 / 121 / 120 dB SPL	128 dB SPL
Crossover Frequency	2.4k Hz	100 Hz
EQ	12k Hz / ± 15 dB 80 Hz / ± 15 dB	-
Connectors	Input: XLR3F + 1/4" Loop Through: XLR3M	Input: XLR3F Loop Through & Satellite: 2x XLR3M
Indicators	Rear: Power-Green; Overload-Red	Power-Green; Signal-Green; Limit-Red
AC Input	Male IEC	Male IEC
AC Power Requirement (depends on region)	115V / 60 Hz 230V / 50 Hz	115V / 60 Hz 230V / 50 Hz
HF Horn Coverage Angles	90°x45° (HxV)	-
Enclosure Material	PP	PP
Suspension	SF15A/12A/10A: 5 x M8 (2 on top, 2 on bottom, 1 on rear) SF8A: 4 x M8 (2 on top, 2 on bottom)	5 x M8 (2 on top, 2 on bottom, 1 on rear)
Angles for floor Monitor	45° & 55°	45° & 55°
Mounting Method	Integral 1 3/8" Pole Mount Receptacle	Integral 1 3/8" Pole Mount Receptacle at bottom
Finish	Black	Black
Transducer/Replacement Parts	LF: L15G / L12G / L10G / L8G Ferrite driver HF: H34G / H34G / H25G / H25G	SF15AS: L15E Ferrite driver, 15" (381 mm) SF12AS: L12E Ferrite driver, 12" (305 mm);
Dimensions (HxWxD)	SF15A: 70 x 47 x 41 cm (27.5 x 18.5 x 16.1 in.) SF12A: 62.3 x 37.8 x 36.3 cm (24.5 x 14.9 x 14.3 in.) SF10A: 54.3 x 33.5 x 32.4 cm (21.4 x 13.2 x 12.8 in.) SF8A: 45.5 x 27.5 x 26.1 cm (17.9 x 10.8 x 10.3 in.)	SF15AS: 70 x 47 x 41 cm (27.5 x 18.5 x 16.1 in.) SF12AS: 62.3 x 37.8 x 36.3 cm (24.5 x 14.9 x 14.3 in.)
Net Weight	SF15A: 23.7 kg (52.2 lbs) SF12A: 19.4 kg (42.7 lbs) SF10A: 10.2 kg (22.5 lbs) SF8A: 8 kg (17.6 lbs)	SF15AS: 23.5 kg (51.8 lbs) SF12AS: 20.2 kg (44.5 lbs)
Shipping Weight	SF15A: 26.3 kg (58 lbs) SF12A: 21.7 kg (47.8 lbs) SF10A: 12.2 kg (26.9 lbs) SF8A: 9.8 kg (21.6 lbs)	SF15AS: 26 kg (57.3 lbs) SF12AS: 22.5 kg (49.6 lbs)

Dimensions



Controls and Connectors

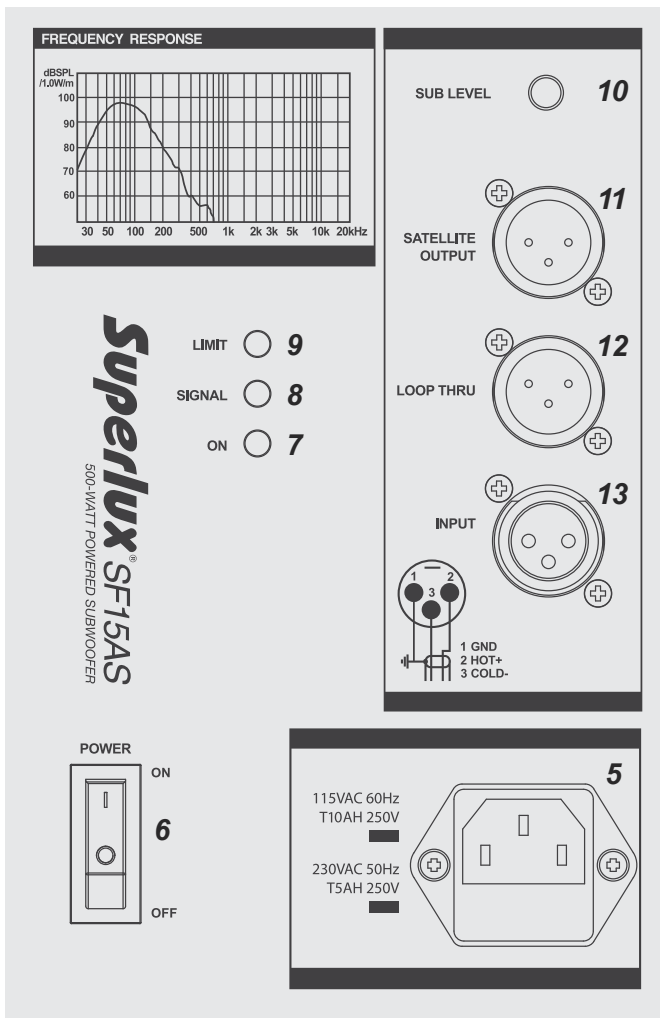


SF15A, SF12A, SF10A and SF8A

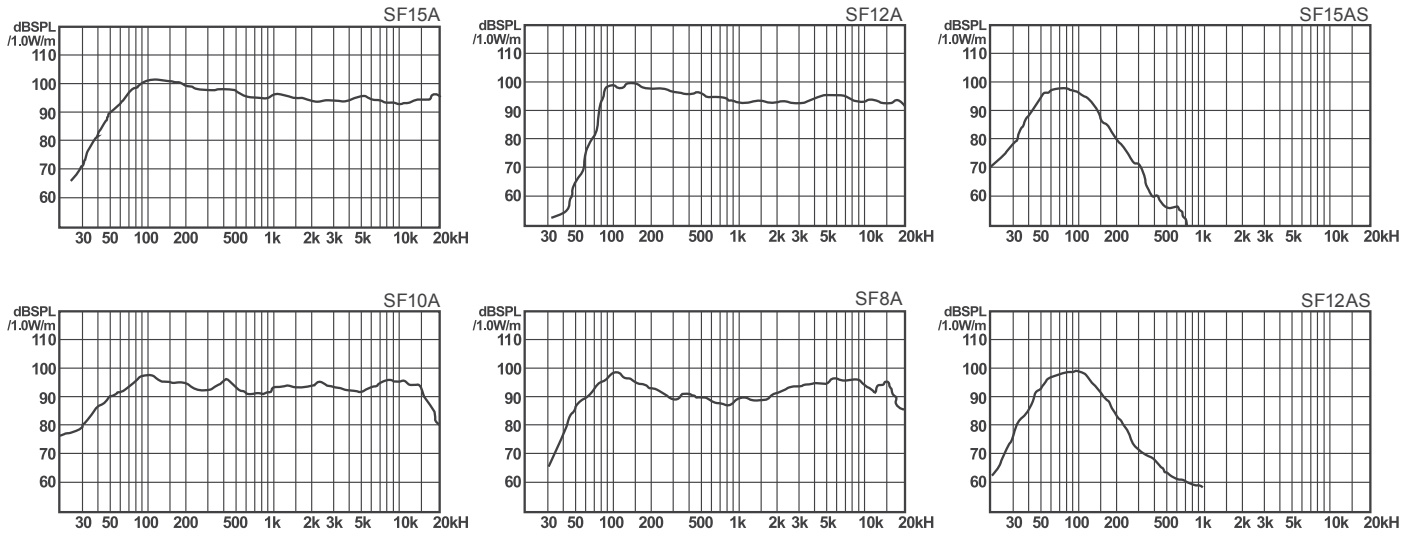
1. **INPUT**
XLR and 1/4" balanced inputs for mic or line signals.
2. **LEVEL**
This control will determine the mic/line input level to be sent to built-in power amplifier. Set the knob to appropriate position to avoid over-drive the speaker. The CLIP indicator will light up when input level control is set too high to cause distortion. Turn down the level control till the distortion is gone to make sure you get the best performance from the speaker.
3. **LINK OUTPUT**
An additional line output for connecting to another active speaker.
4. **EQ**
Two band EQ can offer +/-15dB boost and cut on 12kHz and 80Hz (shelving) for perfect sound adjustment.

SF15AS & SF12AS

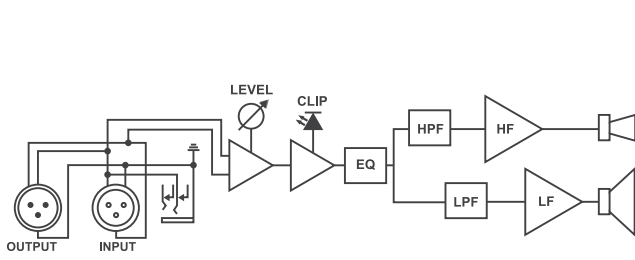
5. **IEC POWER SOCKET**
This is where you connect the supplied AC line cord to provide AC power to the SF Series speaker's built-in power amplifiers. Plug the line cord into an AC socket properly configured for your particular model.
6. **POWER SWITCH**
This switch will determine the SF Series speaker where on or off. Make sure the level control is down before you turn it on.
7. **ON indicator**
This green indicator lights on when power is turned on and it goes off when power is off.
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-driver or excess signal level. This indicator will keep on when LF limiter is triggered.
10. **SUB LEVEL**
This knob determines the subwoofer level to be sent to built-in power amplifier.
11. **SATELLITE OUTPUT**
This is a male XLR-type connector which will sends out the high pass range to the full-range speaker of SF110A, SF112A or SF115A.
12. **XLR LOOP THRU**
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 line-level signal. Use it to daisy-chain several active speakers together with the same signal source.
13. **XLR INPUT**
This is a female XLR-type connector that accepts a balanced or unbalanced line-level signal.



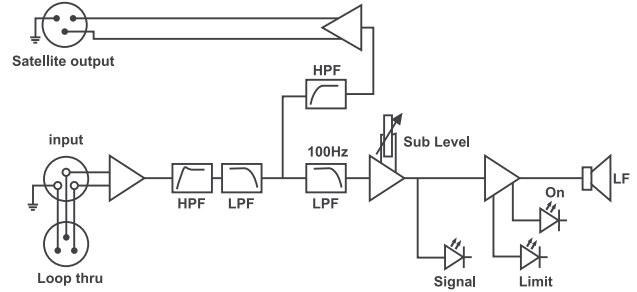
Frequency Response



Block Diagrams



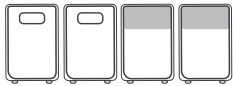
SF15A, SF12A, SF10A and SF8A



SF15AS and SF12AS

Performance Match

Best value in a portable speaker system for a variety of applications



Disco / Pub
A pair of SF12A and a pair of SF12AS, or a pair of SF15A and a pair of SF15AS



Small Concert
A pair of SF12A and a SF12AS, or a pair of SF15A and a SF15AS



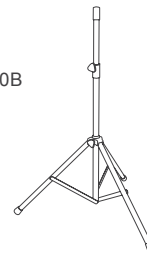
Presentations
A pair of SF12A, or a pair of SF15A

Optional Accessories

Tripod Stand

model# SPS410B

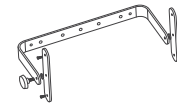
SPS410B



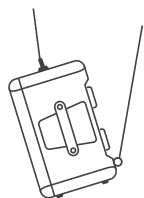
U-Bracket Kit

model# AX108, AX110, AX112 and AX115

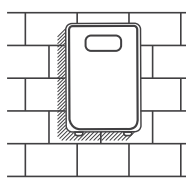
AX108 for SF8A
AX110 for SF10A
AX12 for SF12A and SF12AS
AX115 for SF15A and SF15AS



Installation & Placement



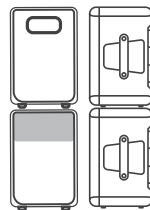
Suspension



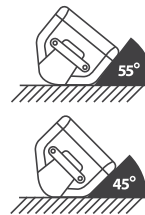
On a Wall



On a Stand



Stacking



Floor Monitor

Contact

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