

## Spitfire SL Subwoofer

Dual Coupled Professional Subwoofer

### Features:

- Long throw bass units
- High long term power handling
- Very low distortion
- Very high SPL
- Remarkable dynamic range and transient response
- Fast, easy and simple installation
- Suitable for a wide range of applications: Dedicated Cinemas, Screening Rooms and most commercial applications

### Spitfire SL Subwoofer Overview:

For the ultimate in low-frequency performance, the Spitfire subwoofer delivers awesome bass reproduction. It is one of the most dynamic, powerful and controlled subwoofers on the market, making it ideal for professional applications, such as recording and film studios, dedicated cinemas and fixed installations in general. This model changes the way subwoofers are perceived. Employing two 10" SL long-throw woofers, and the SL bass system to reproduce low frequency signals accurately and effortlessly, with high power handling and extremely low distortion, right down to 20Hz.

The Spitfire subwoofer is ideal for use in high-end installations where sound quality is paramount, such as mid-field to full-space studio monitoring, for private cinema installations, and for commercial use in bars, restaurants and corporate presentation facilities, including commercial movie theatres. For its size, it's probably the most powerful subwoofer ever designed.

The Spitfire SL subwoofer is available with an optional PA-260: 300watt amplifier. Other high quality professional grade amplifier with a minimum of 300watt into 8 ohms can be used



### Components Overview:

#### Woofers:

Extra long excursion and Aluminum Short Circuiting Ring, 4-layer voice coil, anodized aluminum for improved heat dissipation, combined with Distortion Reduced Motor

#### Crossover:

Optional 12 dB/octave low pass filter

#### Cabinet:

Slit load port

## Specification Spitfire SL Subwoofer

Transducer:  
LF 2 x 10 inch cones

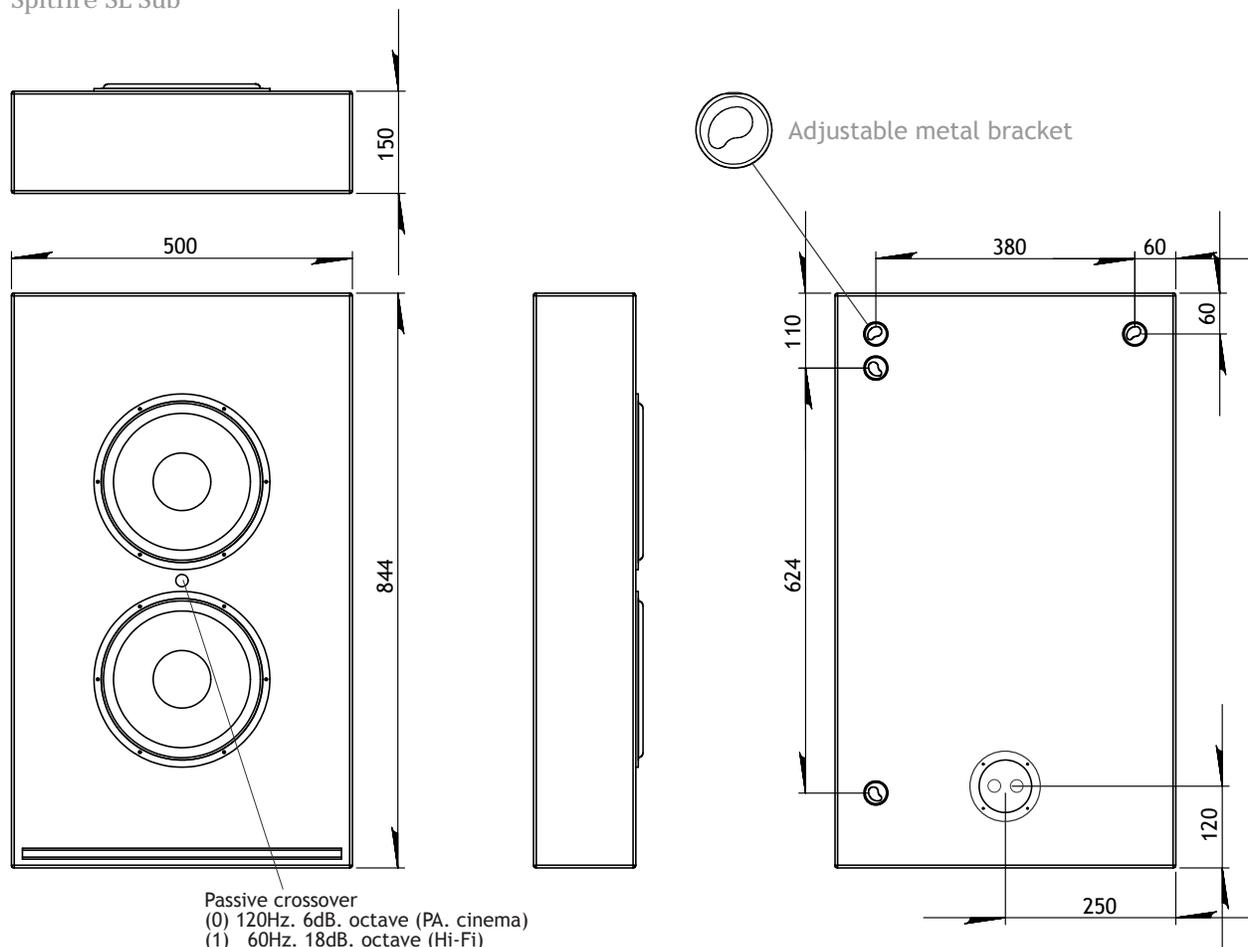
Crossover:  
Optional Low Pass Filter 12 dB/octave 80 Hz

Connection:  
Single Amped Gold Plated Push Terminals

Performance:  
Operating Range 20 Hz (-3dB) to 120 Hz  
Nominal Beamwidth omni directional  
Axial Sensitivity (whole space SPL) LF 104 dB  
Input Impedance Nominal Minimum 4 ohms  
Maximum Power Handling 300 Watt  
Calculated Axial Output Limit (whole space SPL) Average Peak LF 122dB  
Weight 30 kg  
Dimensions H: 844 W: 500 D: 150 mm

Finish:  
Black Paint

### Spitfire SL Sub



## Spitfire SL Subwoofer Installation

Artcooustic PA-260 Professional Multi Purpose Amplifier.

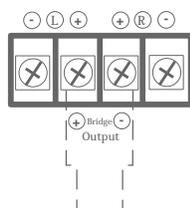
Artcooustic has designed and engineered the PA-260 Professional Multi Purpose Amplifier. The PA-260 performs smoothly and accurately even in the most demanding conditions. The PA-260 is matched to all the Artcooustic loudspeakers' impedance and tonality, making a perfect match with amazing detail, control and dynamics.

The PA-260 offers incredible 2 channel performance in a rack mountable chassis just 2U high. This together with it's high performance and silent running dual fan speed cooling system means it is suitable for almost any application, from recording studios to commercial bars & restaurants, high quality hi-fi and home cinema systems. It features 2 mono blocks with a total of 260 watt 8ohm.

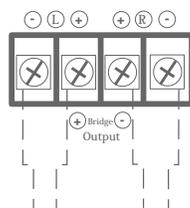


Artcooustic PA-260 2 channel amplifier (bridged mono block) features

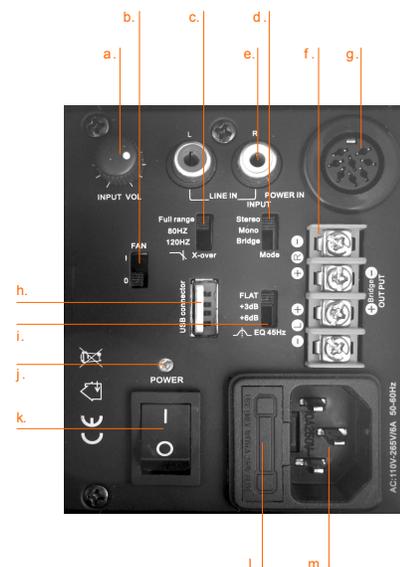
- Only 2 rack units high, means It has a very high □ output while occupying minimal rack space.
- input sensitivity control.
- Signal presence and protection indicator.
- Unbalanced input via RCA connectors, DIN input □ (Bang & Olufsen)
- USB charger (iPod)
- Stable performance down to 4 ohms.
- Auto turn on, turn off - signal sensing
- Stereo, mono or bridge mode switch
- 45Hz. Eq. 0dB. +3dB +6dB
- Subwoofer crossover, full range, 80Hz. and 120Hz. 18dB. per octave
- High current bi-polar technology.
- Precision subharmonic filters.
- Dual monoblock amplifier PCB design, bridge mode.
- Extended protection circuit.
- High efficiency switching supply, multi voltage □ 110V. to 230V.
- Dual fan speed, setting 0 residential = silent, setting □ 1 commercial = full fan speed
- Totally protected against overheating and shorting □ and includes DC prevention at the output stage.
- 1 year warranty. 3 years with extended online warranty completion.



Bridge mode output mainly used in conjunction with the Artcooustic Subwoofers



Typical stereo connection for all purpose use, such as a stereo sound system or multi room speaker system  
(If switch is set to mono, the left and right channel will be combined and both channel will output identical signal)



### PA-260 Power Amplifier Functions

- a. □ Master volume control
- b. □ Cooling fan setting 0 dual heat sensitive fan speed. □ Setting 1. full fan speed
- c. □ Subwoofer crossover, full range, 80Hz. and 120Hz. □ cut high frequency cut 18dB per octave
- d. □ Stereo, mono and bridge mode setting
- e. □ RCA unbalanced audio input, left and right channel
- f. □ Speaker output terminals, stereo and bridge mode
- g. □ Bang and Olufsen DIN input
- h. □ USB iPod battery charger
- i. □ EQ. @ 45Hz. flat, +3dB. +6dB bass boost
- j. □ Power on/off LED indicator
- k. □ On/off main switch (PA-260 are equipped with a automatic power on/off function, so no need to turn the amplifier off on main switch)
- l. □ Main power fuse
- m. □ Main power input socket (Auto voltage selector 110V. to 230V.)

### PA-260 Technical Specification

Output power 20Hz-20KHz RMS program channel  
4 ohm □ 180 WRMS  
8 ohm □ 130 WRMS

Output power 20Hz-20KHz RMS program bridged  
8 ohm □ 300 WRMS  
Recommended impedance 8 ohm

Input sensitivity  
RCA unbalanced 600mV/1kOhm  
DIN (Bang and Olufsen) 600mV/1kOhm  
S/N ratio channel 89dB

Frequency response: 20Hz -20KHz  
THD <0.05%

Damping factor @ 8 ohm > 600

Crosstalk > 45dB

Slew rate 30V/ms.

Power: 115V/230V ac 360VA

Protection, heat, DC, short cut and soft start

Dimensions (H x W x D) : 89 x 484 x 92mm

Weight : 6Kg