

Spitfire SL

Vertical and Horizontal Symmetrically Controlled Beamwidth Array

Features:

- Controlled directivity on both vertical and horizontal axis
- High sound pressure levels without the use of compression horn
- Very low distortion
- Very low power consumption
- Wide frequency response 60Hz to 40kHz
- Fast, easy and simple installation
- Suitable for almost any application, from HiFi Systems, Home Cinemas, Screening Rooms and commercial applications
- Ultra-slim aesthetically pleasing cabinet design, designed to complement the latest LED and projection screen designs

Spitfire SL Overview:

Artcoustic's Symmetrically Controlled Beamwidth Array is a ground breaking analogue in-house loudspeaker technology, which enables superior controlled directivity on both vertical and horizontal axis.

With Symmetrically Controlled Beamwidth Array technology, it is possible to achieve very high sound pressure levels without the use of compression horn, very low distortion, very low power consumption and very flat frequency response, but still maintain the desired typical horn qualities, such as directivity and throw.

The Spitfire SL range is very flexible with compact dimensions and incredible frequency response and very high volumes, it has qualities that make it a truly unique product range.

The ultra slim and lightweight cabinet design makes this series of speakers easy to install into any existing Architecture without sacrificing the aesthetics or the all-important sound quality

Two-Way Line Array Precision Monitor, with Vertical and Horizontal Symmetrically Controlled Beamwidth Array



Components Overview:

High Frequency driver:

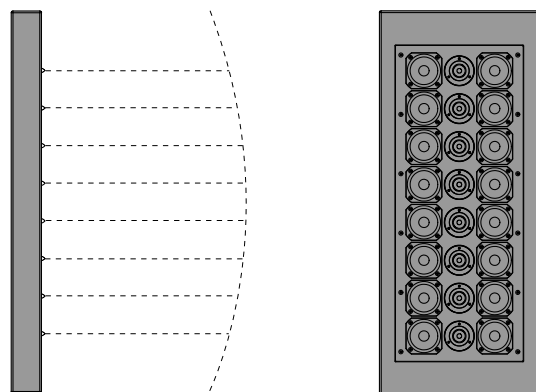
Dual Ring Radiator diaphragm with highly linear suspension and low loss surrounds for high clarity and clean transient response. Copper caps for better HF extension and lower distortion and wave-guide center plug, copper-clad aluwire

Woofers:

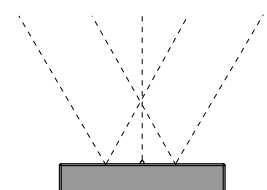
Extra long excursion and Aluminum Short Circuiting Ring, 4-layer voice coil, anodized aluminum for improved heat dissipation, combined with Distortion Reduced Motor

Crossover:

6 dB/octave low pass and 12 dB/octave high pass filter



Side view, Symmetrically Controlled Beamwidth Array:
High Sound pressure level at very Low power consumption, combined with controlled vertical directivity



Top view, Controlled Horizontal Directivity:
Symmetric minimum phase driver configuration for optimal polar response

Specification Spitfire SL4-2

Transducer:

LF-MF 4 x 3 inch cone, Symmetric Phase Aligned
HF 2 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

Crossover:

Low Pass Filter 6 dB/octave 1000 Hz High Pass
12 dB/octave 4000Hz

Connection:

Single Amped Gold Plated Push Terminals

Performance:

Operating Range 60 Hz (-3dB) to 40 kHz
Nominal Beamwidth Horizontal 90° Vertical 90°
Axial Sensitivity (whole space SPL) LF/MF-HF 95 dB
Input Impedance Nominal Minimum 4 ohms
Recommended High Pass Filter =>80 Hz, 24 dB/octave
Maximum Power Handling 100 Watt
Calculated Axial Output Limit (whole space SPL)
Average Peak LF/MF-HF 112dB @ 28watt
Weight 5.5 kg
Dimensions H: 500 W: 350 D: 67 mm

Specification Spitfire SL6-3

Transducer:

LF-MF 6 x 3 inch cone, Symmetric Phase Aligned
HF 3 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

Crossover:

Low Pass Filter 6 dB/octave 1000 Hz High Pass
12 dB/octave 4000Hz

Connection:

Single Amped Gold Plated Push Terminals

Performance:

Operating Range 65 Hz (-3dB) to 40 kHz
Nominal Beamwidth Horizontal 90° Vertical 90°
Axial Sensitivity (whole space SPL) LF/MF-HF 98 dB
Input Impedance Nominal Minimum 4 ohms
Recommended High Pass Filter =>80 Hz, 24 dB/octave
Maximum Power Handling 100 Watt
Calculated Axial Output Limit (whole space SPL)
Average Peak LF/MF-HF 115dB @ 28watt
Weight 6 kg
Dimensions H: 500 W: 350 D: 67 mm

Specification Spitfire SL8-4

Transducer:

LF-MF 8 x 3 inch cone, Symmetric Phase Aligned
HF 4 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

Crossover:

Low Pass Filter 6 dB/octave 1000 Hz High Pass
12 dB/octave 4000Hz

Connection:

Single Amped Gold Plated Push Terminals

Performance:

Operating Range 70 Hz (-3dB) to 40 kHz
Nominal Beamwidth Horizontal 90° Vertical 90°
Axial Sensitivity (whole space SPL) LF/MF-HF 101 dB
Input Impedance Nominal Minimum 4 ohms
Recommended High Pass Filter =>80 Hz, 24 dB/octave
Maximum Power Handling 100 Watt
Calculated Axial Output Limit (whole space SPL)
Average Peak LF/MF-HF 118dB @ 40watt
Weight 7 kg
Dimensions H: 500 W: 350 D: 67 mm

Specification Spitfire SL16-8

Transducer:

LF-MF 16 x 3 inch cone, Symmetric Phase Aligned
HF 8 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

Crossover:

Low Pass Filter 6 dB/octave 1000 Hz High Pass
12 dB/octave 4000Hz

Connection:

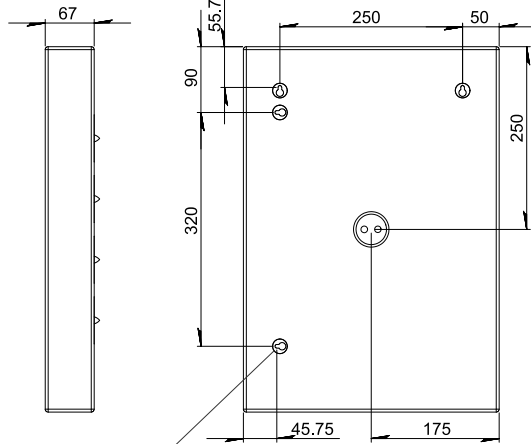
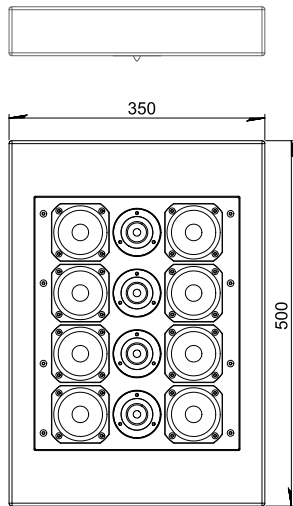
Single Amped Gold Plated Push Terminals

Performance:

Operating Range 75 Hz (-3dB) to 40 kHz
Nominal Beamwidth Horizontal 90° Vertical 90°
Axial Sensitivity (whole space SPL) LF/MF-HF 101 dB
Input Impedance Nominal Minimum 4 ohms
Recommended High Pass Filter =>80 Hz, 24 dB/octave
Maximum Power Handling 100 Watt
Calculated Axial Output Limit (whole space SPL)
Average Peak LF/MF-HF 124dB @ 40watt
Weight 11 kg
Dimensions H: 844 W: 350 D: 67 mm

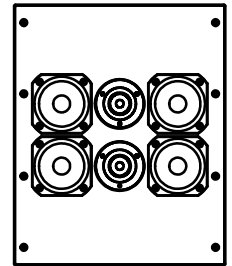
Two-Way Line Array Precision Monitor, with Vertical and Horizontal Symmetrically Controlled Beamwidth Array

Spitfire SL Precision Monitor
Available in three versions

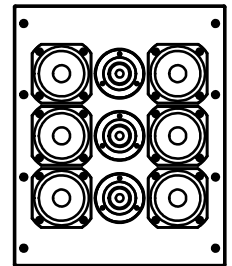


Horizontal and vertical keyhole mounting

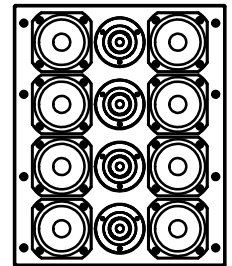
Spitfire 4-2 SL Module



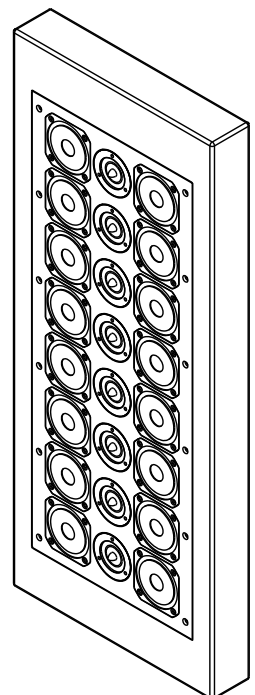
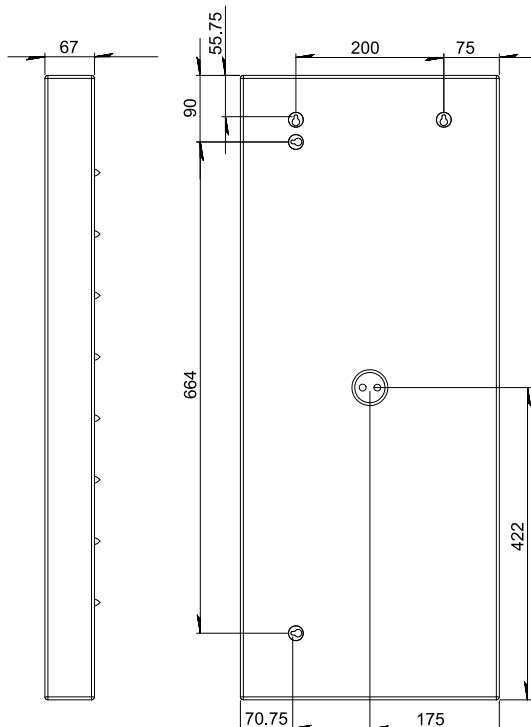
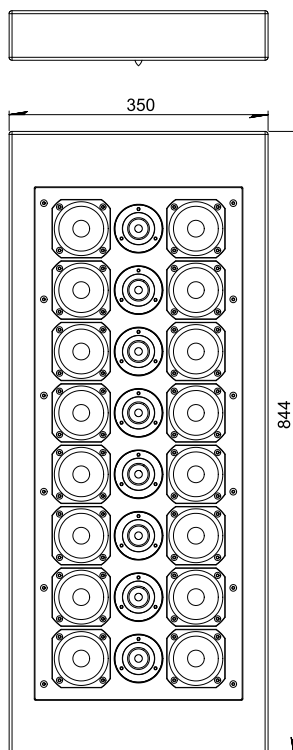
Spitfire 6-3 SL Module



Spitfire 8-4 SL Module



Spitfire 16-8 SL Precision Monitor



Specification Spitfire SL 24-12

Transducer:

LF-MF 24 x 3 inch cone, Symmetric Phase Aligned
 HF 12 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

Crossover:

Low Pass Filter 6 dB/octave 1000 Hz High Pass
 12 dB/octave 4000Hz

Connection:

Single Amped Gold Plated Push Terminals

Performance:

Operating Range 75 Hz (-3dB) to 40 kHz
 Nominal Beamwidth Horizontal 90° Vertical 90°
 Axial Sensitivity (whole space SPL) LF/MF-HF 110 dB
 Input Impedance Nominal Minimum 4 ohms
 Recommended High Pass Filter =>80 Hz, 24 dB/octave
 Maximum Power Handling 140 Watt
 Calculated Axial Output Limit (whole space SPL)
 Average Peak LF/MF-HF 130dB @ 30watt
 Weight 18 kg
 Dimensions H: 1126 W: 350 D: 67 mm



Spitfire 24-12 SL Precision Monitor

