

## 65-50 and 75-55 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

### SL Monitors Overview:

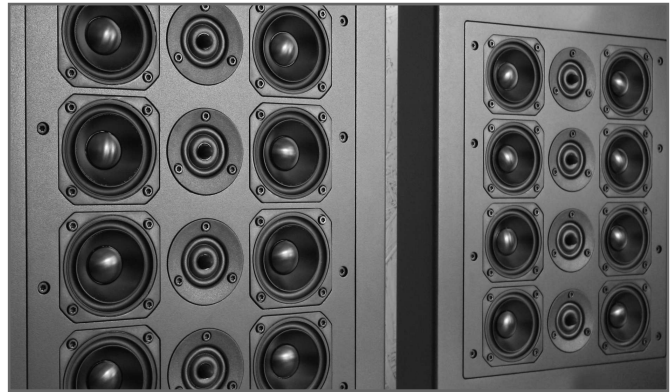
Artcoustic's Symmetrically Controlled Beamwidth Array is a ground breaking analogue in-house loudspeaker technology, which enables superior controlled directivity on both vertical and horizontal axis.

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 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:

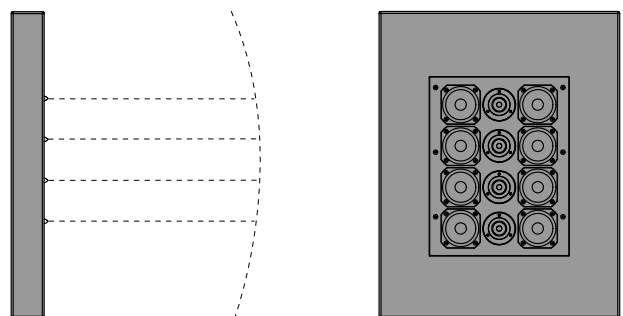
Dual Ring Radiator diaphragm with highly linear suspension and low loss surrounds for high clarity and clean transient response. Copper caps for better HF extension and lower distortion and wave-guide center plug, copper-clad aluwire

#### Woofer:

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

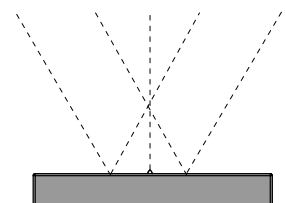
#### Crossover:

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 65-50 4-2 SL

### 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 7.5 kg  
Dimensions H: 650 W: 500 D: 67 mm

### Finish:

Silk Paint, Black, White and RAL colours  
Grille options: Match System fabrics and Digital print

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## Specification 65-50 6-3 SL

### 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 8 kg  
Dimensions H: 650 W: 500 D: 67 mm

### Finish:

Silk Paint, Black, White and RAL colours  
Grille options: Match System fabrics and Digital print

## Specification 65-50 8-4 SL

### 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 8.5 kg  
Dimensions H: 650 W: 500 D: 67 mm

### Finish:

Silk Paint, Black, White and RAL colours  
Grille options: Match System fabrics and Digital print

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## Specification 65-50 SL Full Range Stereo or Mono

### Transducer:

LF-MF 6 x 3 inch cone, Symmetric Phase Aligned  
HF 2 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

### Crossover:

Sub Low Pass Filter 12dB/octave 70Hz.  
Low Pass Filter 6 dB/octave 1000 Hz  
High Pass 12 dB/octave 4000Hz

### Connection:

Bi Amped Gold Plated Push Terminals  
Optional Stereo or Mono

### Performance:

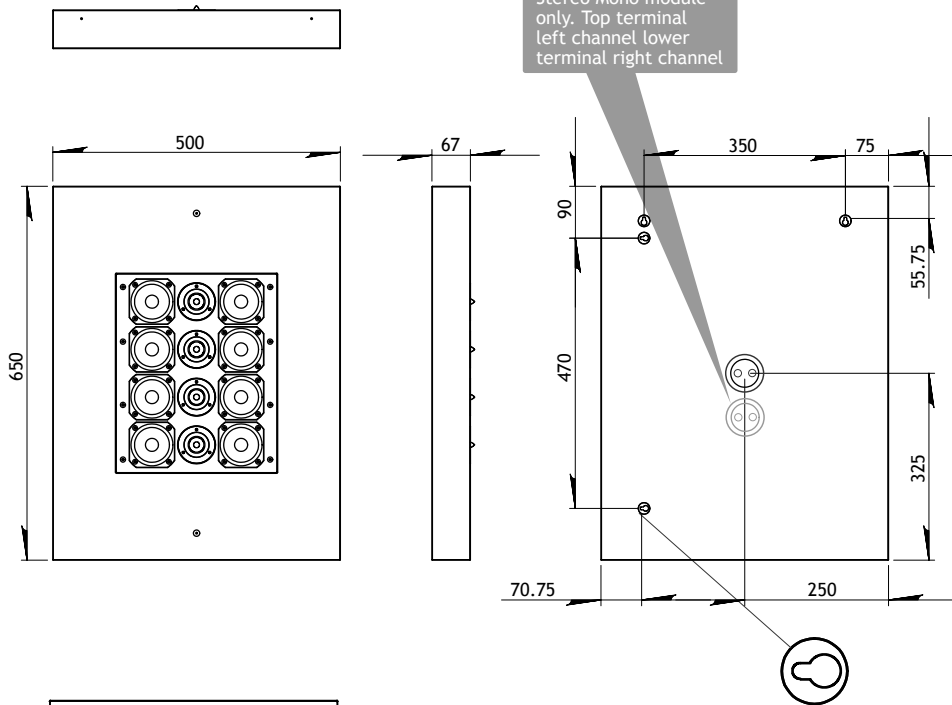
Operating Range 40 Hz (-3dB) to 40 kHz  
Nominal Beamwidth Horizontal 90° Vertical 90°  
Axial Sensitivity (whole space SPL) LF/MF-HF (Mono) 93 dB (Stereo) 87 dB  
Input Impedance Nominal Minimum (Mono) 4 ohms (Stereo) 6 ohms  
Recommended High Pass Filter =>80 Hz, 24 dB/octave  
Maximum Power Handling 100 Watt  
Calculated Axial Output Limit (whole space SPL) Average Peak LF/MF-HF (Mono)106dB (Stereo) 99dB  
Weight 8 kg  
Dimensions H: 650 W: 500 D: 67 mm

### Finish:

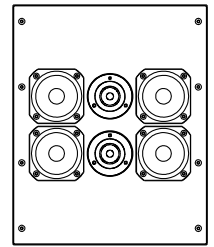
Silk Paint, Black, White and RAL colours  
Grille options: Match System fabrics and Digital print

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

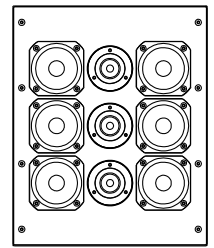
65-50 SL Precision Monitor  
Available in four versions



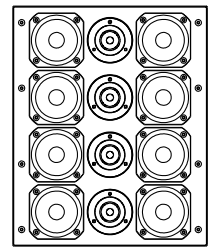
65-50 4-2 SL Module



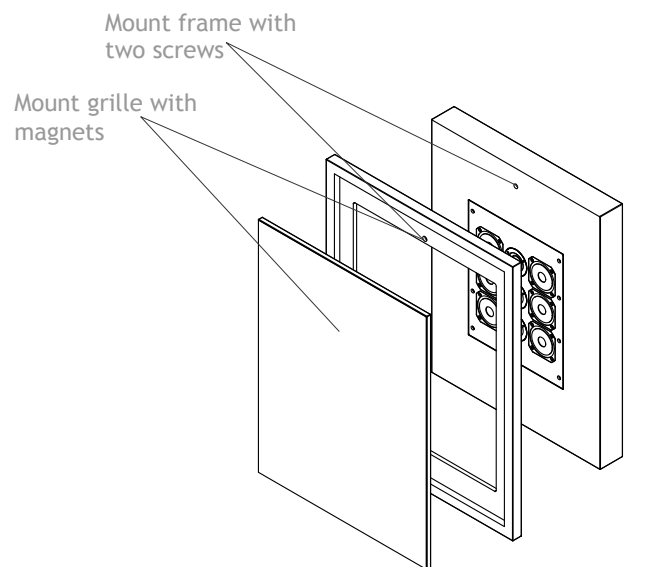
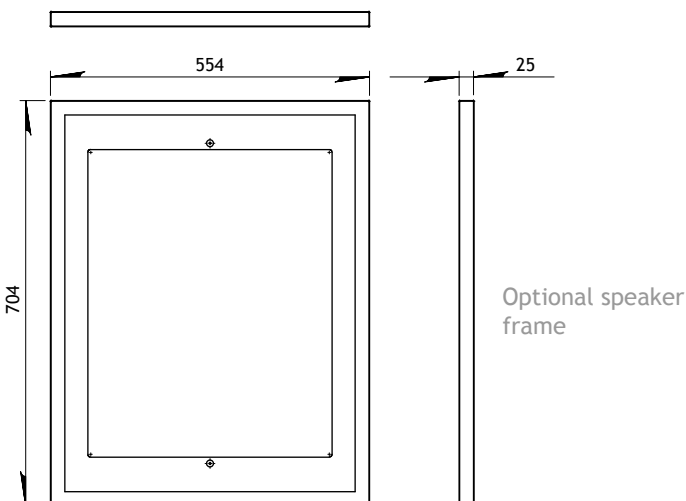
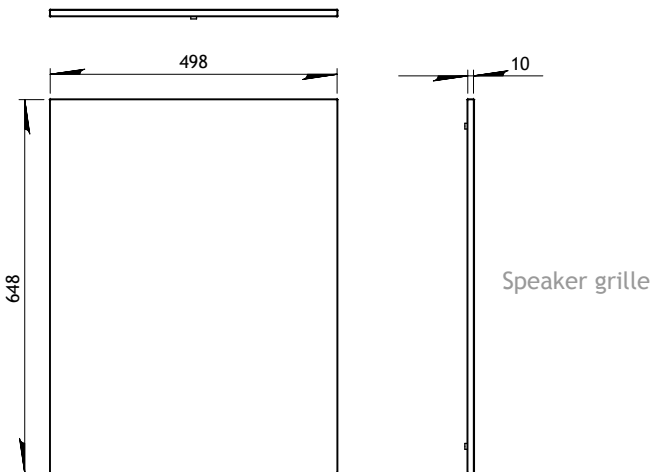
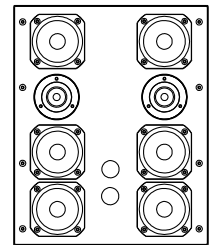
65-50 6-3 SL Module



65-50 8-4 SL Module



65-50 SL Full Range Stereo or Mono Module



Speaker with optional frame

## Specification 75-55 4-2 SL

### 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 8.5 kg  
Dimensions H: 750 W: 550 D: 67 mm

### Finish:

Silk Paint, Black, White and RAL colours  
Grille options: Match System fabrics and Digital print

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## Specification 75-55 6-3 SL

### 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 9 kg  
Dimensions H: 750 W: 550 D: 67 mm

### Finish:

Silk Paint, Black, White and RAL colours  
Grille options: Match System fabrics and Digital print

## Specification 75-55 8-4 SL

### 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 9.5 kg  
Dimensions H: 750 W: 550 D: 67 mm

### Finish:

Silk Paint, Black, White and RAL colours  
Grille options: Match System fabrics and Digital print

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## Specification 75-55 SL Full Range Stereo or Mono

### Transducer:

LF-MF 6 x 3 inch cone, Symmetric Phase Aligned  
HF 2 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

### Crossover:

Sub Low Pass Filter 12dB/octave 70Hz.  
Low Pass Filter 6 dB/octave 1000 Hz  
High Pass 12 dB/octave 4000Hz

### Connection:

Bi Amped Gold Plated Push Terminals  
Optional Stereo or Mono

### Performance:

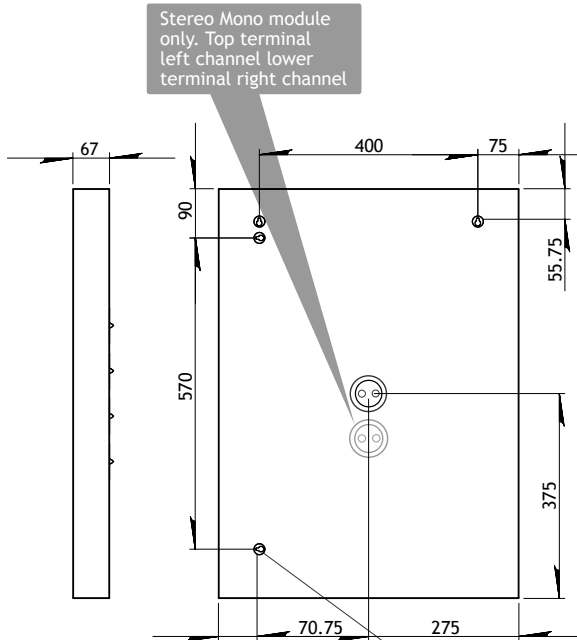
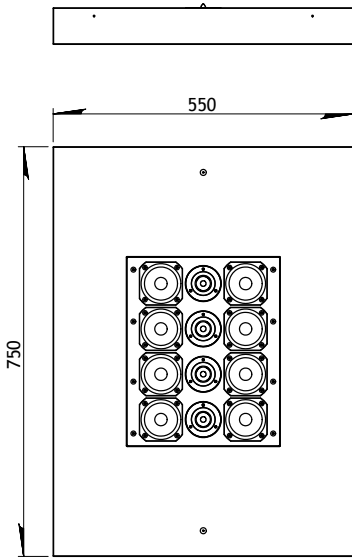
Operating Range 40 Hz (-3dB) to 40 kHz  
Nominal Beamwidth Horizontal 90° Vertical 90°  
Axial Sensitivity (whole space SPL) LF/MF-HF (Mono) 93 dB (Stereo) 87 dB  
Input Impedance Nominal Minimum (Mono) 4 ohms (Stereo) 6 ohms  
Recommended High Pass Filter =>80 Hz, 24 dB/octave  
Maximum Power Handling 100 Watt  
Calculated Axial Output Limit (whole space SPL) Average Peak LF/MF-HF (Mono)106dB (Stereo) 99dB  
Weight 8 kg  
Dimensions H: 650 W: 500 D: 67 mm

### Finish:

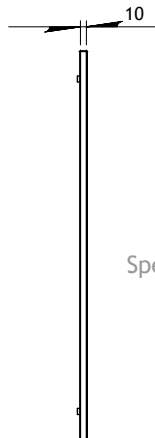
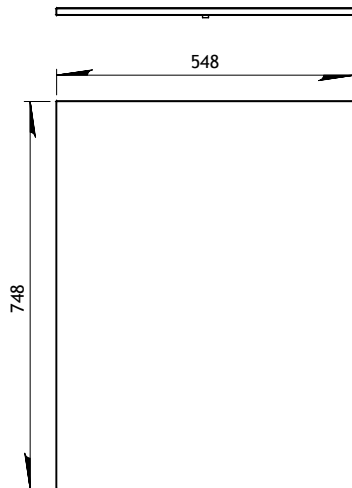
Silk Paint, Black, White and RAL colours  
Grille options: Match System fabrics and Digital print

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

75-55 SL Precision Monitor  
Available in three versions

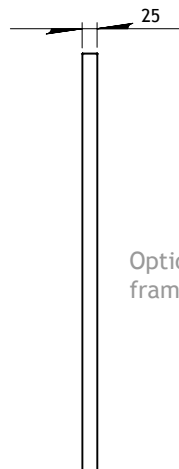
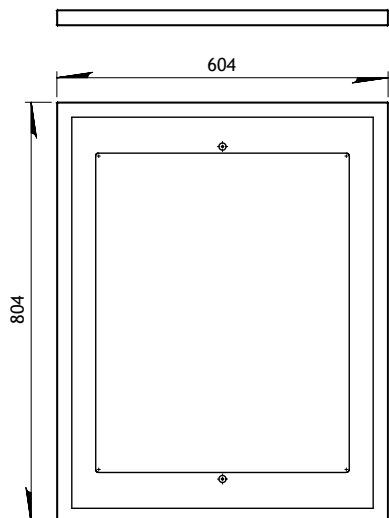


Stereo Mono module only. Top terminal left channel lower terminal right channel



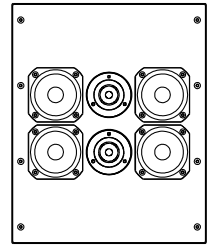
Horizontal and vertical keyhole mounting

Speaker grille

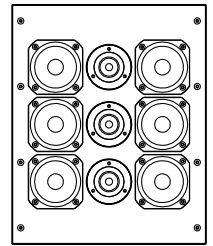


Optional speaker frame

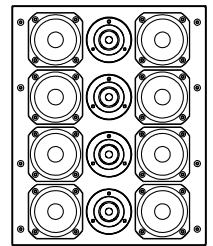
75-55 4-2 SL Module



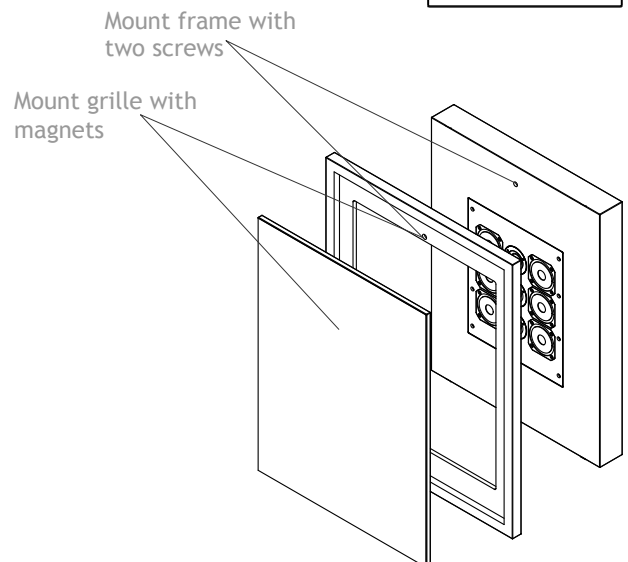
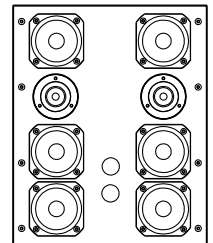
75-55 6-3 SL Module



75-55 8-4 SL Module



75-55 SL Full Range Stereo or Mono Module



Speaker with optional frame