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# SFM24

## Professional Stage Floor Monitor System

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## acoustic technologies

The Acoustic Technologies SFM24 is a purpose engineered, low profile 2-way Stage Foldback Monitor system intended for high-end live production applications. The SFM24 features advanced transducer technology combined with the latest in computer aided design to deliver outstanding performance from a surprisingly compact enclosure.

The SFM24 employs a highly efficient 12" Neodymium L.F. transducer and a 1.4" exit Neodymium H.F. compression driver coupled to a custom engineered asymmetrical waveguide, providing superior coverage with exceptional gain before feedback. SFM24 cabinets are available as mirror-imaged pairs or can easily be re-configured by the user as required.

The SFM24 changeover switch allows operation in passive mode using the sophisticated built-in dividing network, or bi-amp mode using the factory recommended Loudspeaker Management System settings. Connection Panels with dual Speakon Connectors are located on each end of the cabinet.

The extensively braced cabinet is constructed from premium grade void free Finnish Birch ply using precision CNC machining. Durable AcoustiCoate elastomer coating and a powder coated perforated steel grille complete the package.

The SFM24 is the speaker system of choice for any professional stage monitoring application requiring high performance from a compact lightweight enclosure.

# SFM24

## SFM24 Speaker System

### FEATURES

- 1050 Watt Power Handling
- Flat Accurate Reproduction
- Controlled Asymmetrical HF Dispersion
- 3 Year Warranty

**SFM24** EXCELLENCE IN AUDIO

# SFM24

## SPECIFICATIONS

<b>Transducer Complement</b>	1 x 12" Bass Transducer 1 x 1.4" exit H.F. Compression Driver
<b>High Frequency Dispersion</b>	80°(H) x 40°(V Asymmetrical)
<b>Physical Size</b>	Height 331mm, Width 573mm, Depth 287mm
<b>Nett Shipping Weight</b>	21 Kg
<b>Connectors and Mode Switch</b>	Connection Panels on Left & Right Side 2 x Speakons per Connection Panel Active / Passive Mode changeover switch
<b>Hardware</b>	Handgrips.
<b>Cabinet Finish</b>	AcoustiCoate Black Elastomer Finish.
<b>Grille Finish</b>	Black Powder Coat Paint Finish, lined with acoustically transparent foam

## PASSIVE MODE SPECIFICATIONS

<b>Frequency Response</b>	100 Hz - 16 kHz $\pm$ 3 dB
<b>Sensitivity</b>	100 dB @ 1 watt, 1 metre
<b>Maximum Input</b>	525 Watts RMS 1050 Watts Program
<b>Maximum SPL</b> (Calculated)	127 dB @ 1 metre 130 dB @ 1 metre
<b>Nominal Impedance</b>	8 Ohms

## ACTIVE MODE SPECIFICATIONS

<b>Frequency Response</b>	<b>Bass</b>	100 Hz - 5.0 kHz $\pm$ 3 dB
	<b>H.F.</b>	600 Hz - 16 kHz $\pm$ 3 dB
<b>Sensitivity</b>	<b>Bass</b>	100 dB @ 1 watt, 1 metre
	<b>H.F.</b>	110 dB @ 1 watt, 1 metre
<b>Maximum Input</b>	<b>Bass</b>	450 Watts RMS 900 Watts Program
	<b>H.F.</b>	75 Watts RMS 150 Watts Program
<b>Maximum SPL</b> (Calculated)	<b>Bass</b>	127 dB @ 1 metre RMS 130 dB @ 1 metre Program
	<b>H.F.</b>	128 dB @ 1 metre RMS 131 dB @ 1 metre Program
<b>Nominal Impedance</b>	<b>Bass</b>	8 Ohms
	<b>H.F.</b>	16 Ohms
<b>Active Crossover Frequency</b>	1.2 kHz or higher at 24dB / Octave. Contact Acoustic Technologies or visit the Website for Factory Recommended DSP Processor settings.	

The SFM24 enclosure is constructed of high quality void free Finnish Birch Ply

The transducers are protected by a perforated steel mesh, lined with acoustically transparent foam, providing a durable visually appealing finish.

The SFM24 passive crossover provides a seamless transition between the transducers. The crossover frequency is selected to enhance the already superb performance of the individual components. Great care is taken to ensure that a phase coherent output is maintained across the entire audio bandwidth.

Sensitivity, Maximum Power and SPL measurements are conducted in accordance with the AES 24 Hour Pink Noise Standard.

Acoustic Technologies reserve the right to alter or amend the SFM24, without prior warning in the interests of product improvement.

## APPLICATIONS

- **Live Music  
Vocal & Instrument  
Monitors**
- **Rehearsal Room  
Monitors**
- **Musical Theatre &  
Sound Stage  
Performance  
Monitors**
- **Television & Radio  
Cue, Review,  
Playback Monitors**
- **Houses of Worship**



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