# SFM03
## Professional
## Stage Floor Monitor System

SFM03

# acoustic technologies

Acoustic Technologies commitment to engineering superior loudspeaker products for the audio professional is evident in the new SFM Series of Stage Monitors. Designed for high end touring and productions, the SFM03 employs a highly efficient 15" low frequency transducer and an advanced 2" exit Neodymium H.F. Compression Driver coupled to a newly developed asymmetrical waveguide.

The SFM03 takes full advantage of our proprietary Floating Horn Technology (FHT), which acoustically decouples the waveguide from the baffle, effectively eliminating unwanted resonances resulting in dramatically improved clarity and intelligibility.

Low and high frequencies blend seamlessly, thanks to the sophisticated passive dividing network. Active 2 way operation is also possible using the factory recommended LMS settings.

Crafted from the finest 18mm Finnish birch ply, the SFM03 is built to withstand all the rigours of touring. The low frequency transducer and H.F. Waveguide assembly are protected by perforated steel mesh, lined with acoustically transparent foam providing a durable visually appealing finish.

The end result is a truly professional stage monitor which offers extremely high output with a smooth extended frequency response eminently suitable for all music and vocal monitoring.

**SFM03** EXCELLENCE IN AUDIO

## SFM03
### Speaker System

### FEATURES

- 1360 Watt Power Handling
- Flat Accurate Reproduction
- Controlled Asymmetrical HF Dispersion
- 3 Year Warranty

# SFM03

## SPECIFICATIONS

| | |
|---|---|
| **Transducer Complement** | 1 x 15" Bass Transducer<br>1 x 2" exit H.F. Compression Driver |
| **High Frequency Dispersion** | 100°(H) x 40°(V Asymmetrical) |
| **Physical Size** | Height 515mm, Width 510mm, Depth 780mm |
| **Nett Shipping Weight** | 39 Kg |
| **Connectors and Mode Switch** | Connection Panels on Left & Right Side<br>2 x Speakons per Connection Panel<br>Active / Passive Mode changeover switch |
| **Hardware** | Handgrips. |
| **Cabinet Finish** | AcoustiCoate Black Elastomer Finish. |
| **Grille Finish** | Black Powder Coat Paint Finish<br>lined with acoustically transparent foam. |

## PASSIVE MODE SPECIFICATIONS

| | |
|---|---|
| **Frequency Response** | 70 Hz - 20 kHz ± 3 dB |
| **Sensitivity** | 98 dB @ 1 watt, 1 metre |
| **Maximum Input** | 680 Watts RMS<br>1360 Watts Program |
| **Maximum SPL**<br>(Calculated) | 127 dB @ 1 metre<br>130 dB @ 1 metre |
| **Nominal Impedance** | 8 Ohms |

## ACTIVE MODE SPECIFICATIONS

| | | |
|---|---|---|
| **Frequency Response** | **Bass**<br>**H.F.** | 70 Hz - 3.0 kHz ± 3 dB<br>1 kHz - 20 kHz ± 3 dB |
| **Sensitivity** | **Bass**<br>**H.F.** | 99 dB @ 1 watt, 1 metre<br>109 dB @ 1 watt, 1 metre |
| **Maximum Input** | **Bass**<br><br>**H.F.** | 600 Watts RMS<br>1200 Watts Program<br><br>80 Watts RMS<br>160 Watts Program |
| **Maximum SPL**<br>(Calculated) | **Bass**<br><br>**H.F.** | 127 dB @ 1 metre RMS<br>130dB @ 1 metre Program<br><br>128 dB @ 1 metre RMS<br>131 dB @ 1 metre Program |
| **Nominal Impedance** | **Bass**<br>**H.F.** | 8 Ohms<br>16 Ohms |
| **Active Crossover Frequency** | | 1.2 kHz or higher at 24dB / Octave. |

## APPLICATIONS

- **Live Music Vocal & Instrument Monitors**
- **Recording Studio & Rehearsal Room Monitors**
- **Musical Theatre & Sound Stage Performance Monitors**
- **Television & Radio Cue, Review, Playback Monitors**
- **DJ Booth Monitors**
- **Karaoke System Vocal Monitors**

at™ PROFESSIONAL

The SFM03 enclosure is constructed of high quality 18mm Finnish Birch Ply

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

The SFM03 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 SFM03, without prior warning in the interests of product improvement.

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