



SM8-S Subwoofer for Professional Digital Monitoring System



Advanced Digital Technologies

- **24 Bits 96kHz converters**
In addition to a direct digital input, the SM8-S uses the latest high quality chipsets performing 24 Bits 96kHz A/D and D/A conversion.
- **Multiple equalisation facilities**
The combination of powerful DSP devices and carefully designed algorithms allows multiple and very precise equalisation.
- **Remote control facilities**
The SM8-S is intended to be remotely controlled when connected to a group of speakers, through a MIDI link. Within the group a "master" speaker will itself be controlled from one of various possible sources: PC/Mac dedicated "Focal manager" software, PDA, or proprietary remote control.

- **High efficiency, high power amplification stage**
The SM8-S uses a low distortion class "D" power stage, delivering 500W. Its very high efficiency guarantees cool operation even at full power.

Exclusive Acoustical Technologies

- **The "W" cone**
For more than 15 years the composite cone sandwich technology is a Focal exclusivity. The "W" process - which is used in the 13" drive unit of the SM8-S - provides a true optimisation of the frequency response by fine tuning of mass, rigidity and damping parameters.

SM8-S Specifications

SYSTEM

Frequency response	30Hz – 250Hz
Maximum SPL	120 dB SPL (peak @ 1m)

INPUT SECTION

Analogue input	Type / Impedance Connector Sensitivity A/D converter	Electronically balanced / 10kOhms XLR (x2) +4dBu 24 bits resolution, 96kHz sampling rate
Digital input	Format Connectors Sampling rates	AES (110 Ohms with transformer) XLR 44.1, 48, 88.2 or 96kHz (automatic detection)
Internal section	Processing D/A converters	Internal DSP 24 bits resolution, 96kHz sampling rate
Dynamic range	> 110dB	

AMPLIFIER SECTION

	500 Wrms high efficiency
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INTERFACE

System Control	Switchable between	Serial RS-232 (PC / Mac) MIDI
Power supply	Mains voltage Connection	230V (3.15A fuse rating) or 115V (6.3A fuse rating) IEC inlet and detachable power cord

USER CONTROLS AND INDICATORS

Hardware controls	Left / Right AES channel selection switch System control source (Interface) switch
Software controls	Output level, EQ, Polarity, Input mode (LFE / 2.1), Presets, Delays
Indicators	Illuminated power on switch

TRANSDUCERS

Woofers	W cone, long throw Focal 13W7652 330mm [13"] drive unit
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CABINET

Construction	30mm and 19mm MDF panels, internally braced
Finish	Dark red veneer on sides "Slate grey" metallic lacquer on other panels
Dimensions (HxWxD)	425mm x 485mm x 530mm - (16.7" x 19.1" x 20.9")
Weight	37kg - (81.57lb)