

# SM8-S

Professional digital  
monitoring subwoofer



## Exclusive acoustical technologies

### • The "W" cone

Focal has been developing the technologies of composite sandwich cones for more than 15 years. The "W" process (Glass/Foam/Glass), first initiated in 1995 with the reference loudspeaker Grande Utopia, now provides a true optimization of the frequency response by fine tuning of mass, rigidity and damping parameters.

## 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 equalization facilities

The combination of very powerful DSP (Digital Signal Processor) devices and carefully designed algorithms allows multiple and very precise equalization.

### • Remote control facilities

The SM8-S can be remotely controlled from various sources: PC/MAC dedicated "Focal Manager" software, PDA, MIDI link or proprietary remote control unit.

### High performance amplification

The SM8-S uses a 500W low distortion class "D" power stages. Its very high efficiency guarantees optimum cooling even at high power.



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## Technical specifications

<b>System</b>		
Frequency response	30Hz - 250Hz	
Maximum SPL	120dB SPL (peak @ 1m)	
<b>Input section</b>		
Analog input	Type / Impedance	Electronically balanced / 10kOhms
	Connector	XLR x 2
	Sensitivity	+ 4dBu
	A/D Converter	24 bits resolution, 96kHz sampling rate
Digital input	Format	AES (110 Ohms with transformer)
	Connector	XLR
	Sampling rates	44.1 ; 48 ; 88.2 or 96kHz (automatic detection)
Internal section	Processing	Internal DSP
	D/A converters	24 bits resolution, 96kHz sampling rate
Dynamic range	> 110dB	
<b>Amplification</b>		
LF stage	500W rms high efficiency	
<b>Interface</b>		
System control	Switchable between	Serial RS-232 (PC/Mac) MIDI
Power supply	Mains voltage	230V (1.6A fuse rating)
	Connection	or 115V (3.15A fuse rating) IEC inlet and detachable power cord
<b>User controls and indicators</b>		
Hardware controls	Left/right AES channel selection switch System control source (Interface) switch	
Software controls	Output level, "Shelving" EQ , General EQ, Presets, Delays	
Indicators	Power on LED, Infra-red reception LED	
<b>Transducers</b>		
Subwoofer	"W" cone, long excursion Focal 13W7652, 13" (33 cm) drive unit	
<b>Cabinet</b>		
Construction	7 <sup>1/2</sup> " (19mm) and 1 <sup>3/16</sup> " (30mm) MDF panels with internal braces	
Finish	Side panels in slate grey metallic lacquer Dark red veneer on top / bottom	
Dimensions (H x L x D)	16 <sup>3/4</sup> x 19 <sup>1/8</sup> x 20 <sup>7/8</sup> " (425mm x 485mm x 530mm)	
Weight	81.6lb (37kg)	

The technical specifications of these products may be modified.