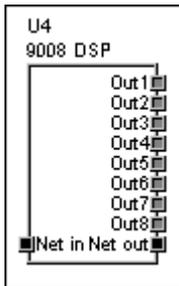# Soundweb™ 9008 Networked Processor

Soundweb™

BSS Audio introduces a significant addition to the Soundweb range. The 9008 hardware device is an expansion unit for Soundweb systems where more outputs are needed, but input sources are already covered using 9088s. The 9008 is almost identical to the 9088ii, and delivers the same dsp and control capabilities, but lacks any input circuitry. By dispensing with the input cards, and associated sockets the 9008 is cost effective in situations where extra inputs are unnecessary.

The unit is envisaged to be especially useful providing additional outputs for larger systems where each additional 9008 can route and process up to 8 channels of audio to its balanced outputs. Also with its built in networking capabilities the 9008 can communicate with all the other Soundweb devices on the network.

Front and rear RS232 ports are provided for programming, upgrade access and for connection to control systems such as Panja, Crestron or similar. For safety-critical systems, the Soundweb 9008 has an opto-isolated output which functions as a watchdog to trigger alarm systems or to construct redundant systems. Programming the unit is accomplished using Soundweb Designer software, available free from the BSS Audio website, www.bss.co.uk.

» **8 Analogue Outputs.**

» **200MIPS of DSP resource.**

» **Integral multivoltage PSU, 85V - 270V AC.**

» **Analogue control ports for GPI hardware interfacing; eg faders, switches & LEDs.**

» **Front and rear access RS232 ports for PC control.**

» **Integral memory holds up to 12 DSP system designs.**

» **Supported in Soundweb Designer v1.22 and above.**

» **Optional cable lacing bar.**

9008 Technical Specifications

General

DSP capability	200MIPS (Million Instructions Per Second)
Frequency response	15Hz to 20kHz (+-0.5dB)
Total Harmonic Distortion (THD)	<0.01% (20Hz to 20kHz, +10dBu output)
Dynamic range	105dB typical (22Hz to 22kHz unweighted)
	108dB typical (A-weighted)
Maximum output level	+20dBu
Inter-channel crosstalk	<-75dB
Maximum network cable length	300m/1000ft
Mains supply	85-270V AC, 50/60Hz
Power consumption	<35VA

Control Ports

Control input voltage	0 to 4.5v
Control input impedance (2 wire mode)	4.7kOhms to +5V
Control input impedance (3 wire mode)	>1MOhm
Logic output voltage	0 or +5V unloaded
Logic output impedance	440 Ohm
Opto output current	14mA max
Opto output withstanding voltage	80V max
Opto output series impedance	220 Ohms (isolated)