

BASS MANAGEMENT PROCESSOR

The ASP520 provides a uniquely flexible and powerful solution to the management of low frequency signals in Surround Sound monitoring environments.

The unit is capable of bi-directional bass redirection and management of a complete 5.1 monitoring system and an alternate left/right speaker pair. This enables optimum LF performance to be achieved with a wide variety of monitor arrangements with or without the use of a separate sub-woofer.

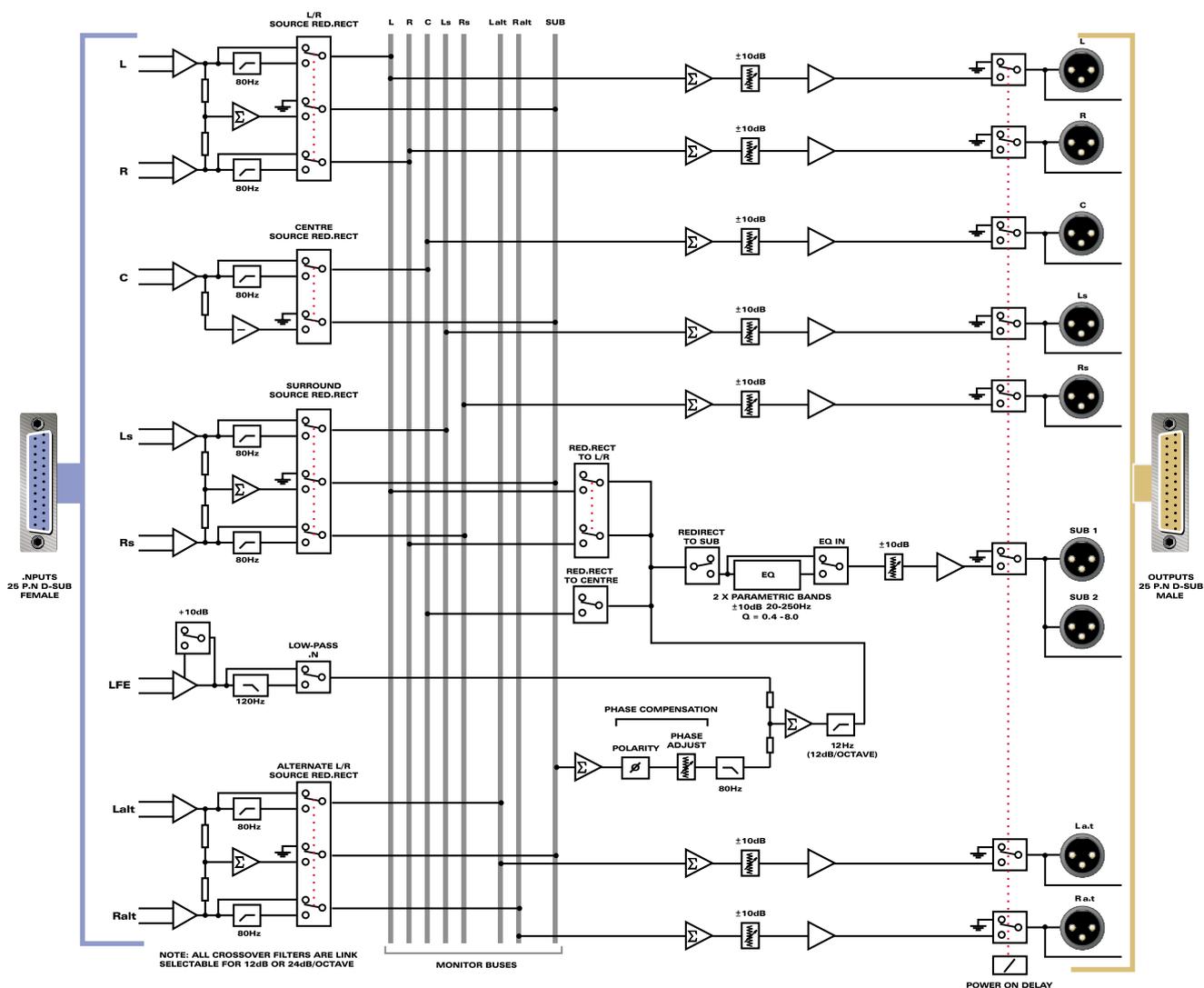
Cross-overs are implemented using Butterworth topologies with user-settable slopes. Phase compensation is provided for the summed sub-bass signal and two-band parametric equalisation is available for sub-woofer alignment.

Premium grade components are used throughout including gas-filled relays for switching. Audio integrity is assured by the use of Audient's well established minimal signal-path philosophy.

- Selectable redirect sources: Left/Right
Centre
Left surround/Right surround
Left alternate/Right alternate
- Selectable redirect destinations: Sub-woofer
Left/Right
Centre
- LFE channel gain set and Low-pass filter
- Sub-bass phase compensation
- 2-band parametric for sub-woofer outputs
- Twin sub-woofer outputs
- Monitor trims for each output
- Inputs on 25-pin D-sub female
- Outputs on XLRs and 25-pin D-sub male
- Single cable interface to ASP510 SURROUND SOUND MONITOR CONTROLLER



BLOCK SCHEMATIC



SPECIFICATIONS

Nominal levels	+4dBu	EQ:	2 bands, fully parametric, 20-250Hz +/-10dB.
Maximum levels	> +22dBu		Q: 0.4 - 8.0
Frequency response +/-0.25dB	22Hz - 22kHz	Phase adjust:	0-180 degrees variable + polarity invert
THD and noise	<0.003%	System Interfaces:	I/Ps: 25-pin, D-Sub female
@+4dBu, 1kHz			O/Ps: 25-pin, D-Sub male and XLRs
Noise (22Hz - 22kHz)	<-96dBu	Size:	Rack unit: 1U x 280mm
Crosstalk(source/source)	>80dB (1kHz)	Power requirements:	115/230V @ 50-60Hz (50VA)
Crossover type:	User-selectable 12dB/oct or 24dB/oct		



Sales & Worldwide distribution:
 Expotus plc, 19-21 Clarendon Road, Watford, Herts. WD17 1JR, England
 Tel: +44 (0)1923 252998 Fax +44 (0)1923 252978, email: sales@expotus.co.uk

For technical information: email: info@audient.co.uk

In accordance with our policy of continual product development, Audient plc reserves the right to alter specifications without prior notice.
 E@OE 8/2001