

The SPM723 provides seven stereo line inputs, two mono mic/line inputs, and three stereo outputs. Complete programmability and control of the SPM723 includes independent left/right levels for each input and output, mic/line routing & priority, automatic/manual program ducking, mic/line & output tone adjustment, and 16 memory presets. The SPM723 is extremely versatile, with software customized setup, making it ideally suited for many applications including meeting rooms, restaurant/bars, and retail stores. The SPM723 is covered by a five-year warranty.

### FEATURES

- seven stereo line inputs, with individual volume & mute
- 'surround sound' support assigns input 6 to the aux output
- input 7 assignable stereo unbalanced or mono balanced
- input 7 'override' select via external switch or input signal
- two balanced mic/line inputs, with HPF & phantom power
- mic/line inputs include individual trim, tone, volume & mute
- stereo input 'ducking' via external switch or mic/line signals
- separate left/right or stereo 'ganged' faders on all inputs
- independent stereo main & stereo zone balanced outputs
- balanced stereo aux output, with independent source select
- outputs include 3-band, mid-sweep stereo tone adjustment
- outputs independently assignable for stereo/mono operation
- separate left/right or stereo 'ganged' faders on all outputs
- signal level meters on input 7, mic/line inputs, & all outputs
- mixing of multiple input signals or selection of single source
- store & recall up to sixteen non-volatile memory presets
- remote control via RS-232 & programmable logic inputs
- BiampWin programming software & serial cable included
- incorporates AES recommended grounding practices
- CE marked and UL / C-UL listed power source
- covered by Biamp Systems' five-year warranty

### ARCHITECTS & ENGINEERS SPECIFICATION

The programmable stereo preamp/mixer shall provide seven unbalanced stereo line inputs and two differentially balanced mono mic/line inputs. Each stereo line input shall include a set of separate left/right or stereo ganged software faders, plus muting, for both the main & zone outputs. Inputs 1~6 shall be provided on RCA connectors, while Input 7 shall be provided on plug-in barrier strip. Input 7 shall be software assignable for either unbalanced stereo or balanced mono line input. Additional rear panel terminals shall allow override selection of Input 7 via external switch and/or signal presence. Each mic/line input shall include a set of separate left/right or stereo ganged software faders, plus muting & priority, for both main & zone outputs. Mic/line input gain shall be software adjustable from +60dB to -6dB in 3dB steps. Each mic/line input shall include software selectable phantom power & high-pass filter, as well as adjustable treble & bass tone controls. The mic/line inputs shall be provided on plug-in barrier strips, with additional terminals provided for ducking of stereo line input signals via external switch and/or mic/line signal presence.

Independent main & zone balanced stereo outputs shall be provided on plug-in barrier strips, with software multi-source mixing or single-source selection. A third auxiliary balanced stereo output, also on plug-in barrier strip, shall allow software selection of stereo line input and/or mic/line input signals, as they appear at the main and/or zone outputs. Software support for surround sound applications shall allow input 6 to assign directly to the aux output. Each output shall include software selection of either stereo or mono operation, and adjustment of 3-band mid-sweep stereo tone control. Each output shall include a set of separate left/right or stereo ganged software faders, plus muting.

Software signal level meters shall be provided for stereo line Input 7, both mic/line inputs, and all three outputs. Serial & Link ports shall be provided on rear panel DB9 connectors, for software programming and RS-232 remote control of system-wide parameters. Logic Inputs & Outputs shall also be provided on rear panel DB9 connectors. Logic Inputs shall allow programmable remote control of the preamp/mixer via external contact-closures. Logic Outputs shall allow remote control of external switching devices or other products. The preamp/mixer shall provide sixteen non-volatile memory presets, which can be stored or recalled via software or remote control. Windows® 95/98/NT/2000/XP programming software and a serial cable shall be included. Remote control shall be via RS-232 and/or programmable logic inputs.

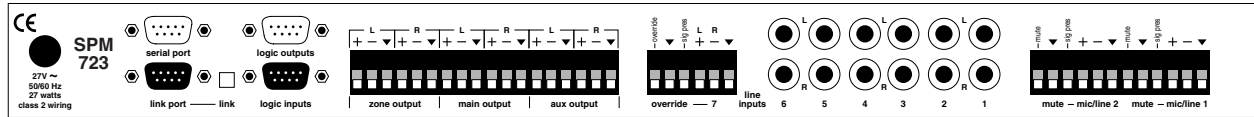
The stereo preamp/mixer shall have a Frequency Response of +0/-0.5dB from 20Hz to 20kHz at +4dBu. THD + Noise shall be less than 0.05% from 20Hz to 20kHz at +4dBu. Output Noise shall be less than -73dBu from 20Hz to 20kHz at nominal levels. Mic/Line Equivalent Input Noise shall be less than -127dBu. Power Consumption shall be less than 27 Watts. Dimensions shall be 1.75 inches high (1 rack space), 19 inches wide, and 11 inches deep. Weight shall be less than 10 lbs. Warranty coverage shall be 5 years. The unit shall be CE marked with a UL / C-UL listed power source, and shall incorporate AES recommended grounding practices.

The stereo preamp/mixer shall be a BIAMP SPM723.

## SPM723 SPECIFICATIONS

<b>Frequency Response</b> (20Hz-20kHz @ +4dBu):	+0/-0.5dB	<b>Output Impedance:</b>	
<b>THD+Noise</b> (20Hz-20kHz @ +4dBu):	< 0.05%	main output (balanced)	200 ohms
<b>Output Noise</b> (20Hz-20kHz @ nominal levels):	< -73dB	zone output (balanced)	200 ohms
<b>Equivalent Input Noise</b> (20Hz-20kHz, 150Ω @ mic in)	-127dBu	aux output (balanced)	200 ohms
<b>Maximum Gain</b> (mic/line input to main/zone outputs):	75dB	<b>Maximum Output:</b>	
<b>Input Trim Gain Range:</b>		main output (balanced)	+24dBu
mic/line inputs	+60dB ~ -6dB	zone output (balanced)	+24dBu
<b>Input Impedance:</b>		aux output (balanced)	+24dBu
mic/line inputs (balanced)	6.6k ohms	<b>Phantom Power</b> (mic/line inputs only):	+24 VDC
stereo line inputs 1~6 (unbalanced)	10k ohms	<b>Power Requirements:</b>	110/220VAC 50/60Hz
line input 7 (stereo/unbalanced)	10k ohms	<b>Power Consumption:</b>	27 watts max.
line input 7 (mono/balanced)	20k ohms	<b>Dimensions:</b>	
<b>Maximum Input:</b>		height (1 rack space)	1.75 inches (44mm)
mic/line inputs (balanced)	+24dBu	width	19 inches (483mm)
stereo line inputs 1~6 (unbalanced)	+18dBu	depth	11 inches (191mm)
line input 7 (stereo/unbalanced - mono/balanced)	+18dBu	<b>Weight:</b>	< 10 lbs. (3.86kg)

## SPM723 REAR PANEL DIAGRAM



## SPM723 BLOCK DIAGRAM

