

## **JBL Marquis Dance Stack**

### **DSP Parameters For BSS London Processors**

5-Way speaker stack using the following modules: MD1 UHF, MD2 MF/HF, Dual MD3 LF, and Dual MD7 Subwoofers

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	Dual MD7 Sub	Dual MD3 LF	MD2		MD1 UHF
			MF	HF	
High Pass Type	48 dB/oct Linkwitz-Riley	48 dB/oct Linkwitz-Riley	48 dB/oct Linkwitz-Riley	48 dB/oct Linkwitz-Riley	48 dB/oct Linkwitz-Riley
High Pass Frequency	20 Hz	70 Hz	300 Hz	1.50 kHz	10.00 kHz
Low Pass Type	48 dB/oct Linkwitz-Riley	48 dB/oct Linkwitz-Riley	48 dB/oct Linkwitz-Riley	48 dB/oct Linkwitz-Riley	
Low Pass Frequency	70 Hz	300 Hz	1.50 kHz	10.00 kHz	
Bandpass Gain	-1.0 dB	-6.0 dB	-1.6 dB	+2.1 dB	+10.0 dB
Output Polarity	(+) Non-inverting	(+) Non-inverting	(+) Non-inverting	(+) Non-inverting	(+) Non-inverting
Output Delay	2.800 ms	0.000 ms	0.800 ms	0.700 ms	1.380 ms
Filter #1 Type	Bell	Bell	Bell	Bell	Bell
Filter #1 Frequency	27 Hz	101 Hz	500 Hz	1.94 kHz	7.00 kHz
Filter #1 Gain	+4.0 dB	+1.9 dB	-8.6 dB	-15.0 dB	-7.1 dB
Filter #1 Width	0.45 oct	0.40 oct	0.80 oct	1.60 oct	0.40 oct
Filter #2 Type	Bell	Bell	Bell	Bell	Bell
Filter #2 Frequency	65 Hz	133 Hz	721 Hz	1.96 kHz	11.20 kHz
Filter #2 Gain	+1.0 dB	-5.0 dB	-2.2 dB	+1.3 dB	-15.0 dB
Filter #2 Width	0.60 oct	0.45 oct	0.43 oct	0.25 oct	0.75 oct
Filter #3 Type	Bell	Bell	Bell	Bell	Bell
Filter #3 Frequency	115 Hz	488 Hz	900 Hz	7.12 kHz	19.70 kHz
Filter #3 Gain	-6.0 dB	+3.0 dB	-1.0 dB	+2.8 dB	+8.8 dB
Filter #3 Width	0.35 oct	1.50 oct	0.15 oct	0.15 oct	0.25 oct
Filter #4 Type				Bell	
Filter #4 Frequency				12.30 kHz	
Filter #4 Gain				+3.7 dB	
Filter #4 Width				0.11 oct	
Filter #5 Type				Bell	
Filter #5 Frequency				19.60 kHz	
Filter #5 Gain				+12.8 dB	
Filter #5 Width				0.10 oct	
Filter #6 Type					
Filter #6 Frequency					
Filter #6 Gain					
Filter #6 Width					
Filter #7 Type					
Filter #7 Frequency					
Filter #7 Gain					
Filter #7 Width					
Filter #8 Type					
Filter #8 Frequency					
Filter #8 Gain					
Filter #8 Width					
Limiter Amp Voltage	+43.5 dBu	+39.4 dBu	+37.3 dBu	+30.8 dBu	+29.3 dBu
Amplifier Gain	+26.0 dB	+26.0 dB	+26.0 dB	+26.0 dB	+26.0 dB
Limiter Threshold	+17.5 dBu	+13.4 dBu	+11.3 dBu	+4.8 dBu	+3.3 dBu
Limiter Attack	Auto	Auto	Auto	Auto	Auto
Limiter Release	Auto	Auto	Auto	Auto	Auto