



Processor Settings
Model 112RM

Crossover

	Frequency	Slope
LF - HPF	45Hz	12dB Oct. Butterworth
LF - LPF	1,250Hz	24dB Oct. Linkwitz/Riley
HF - HPF	1,250Hz	24dB Oct. Linkwitz/Riley

Equalization

	Frequency	BW*	Q	Level
LF	220Hz	.333	4.32	-3dB
LF	280Hz	.25	5.76	-2dB
LF	595Hz	.5	2.87	-6dB
LF	890Hz	.25	5.76	-3dB
HF	1,780Hz	.333	4.32	-2dB
HF	6,730Hz	.333	4.32	-3dB

Delay

	Time	Polarity
LF	none	positive
HF	none	positive

Some DSP units will change the propagation delay for each output depending on how much processing is on that channel

Limiting

	RMS Voltage	See Application Note "Setting System Limiters"
LF	64 Volts, 16 msec attack, 256 msec release, 100:1 ratio (recommended predictive peak stop @ 6dB above this level)	
HF	21 Volts, 30 msec attack, 480 msec release, 100:1 ratio (recommended predictive peak stop @ 8dB above this level)	

Gain

	Assumes amplifiers have equal voltage gain
LF	0
HF	-10dB

*** BW Disclaimer**

Different DSP processor manufactures are not consistent in their implementation of digital parametric EQs. **The SLS recommended filters will not be replicated by all DSP devices.** If the DSP device that is used continuously varies the Q value of the filter depending on the +/- dB level, the DSP will not match our settings. (Most of these devices do not allow filter Q to be shown at all.)