SLS 114RT-PXO/RT-I-PXO

PROCESSOR SETTINGS - ANECHOIC & SUBJECTIVE

PROCESSOR SETTINGS/ANECHOIC *

Crossover Section	Frequency Hz	Slope	Delay/msec	Gain/dB	Phase
High Pass Filter	40Hz	24dB/oct (4th Order) Butterworth			

EQ Section[1]	Frequency Hz	Q	Bandwidth	Level/dB
	175Hz	6	0.24	+4dB
	240Hz	2	0.71	-3dB
	355Hz	4	0.36	+5dB
	4,430Hz	6	0.24	-1dB
	7,500Hz	2	0.71	+3dB

Limiting Section[2]	Threshold Voltage	Attack/msec	Release/msec	
	66.5V	16msec	256msec	

*Processor settings/Anechoic - Determined in an anechoic environment, and used to produce frequency-response, polar charts, and power-handling specifications.

1. DSP parametric filter algorithms vary between DSP manufacturers, so values derived on one DSP do not necessarily translate accurately to another manufacturer's DSP. It is recommended that the Q values shown be used as a starting point when programming filter values, as these are typically a more accurate mathematical representation of the original filter values. A calibrated mic and quality transfer-function-based measurement system like SysTune or SMAART should always be used to tune the system to the specific acoustic properties of the room.

2. See Application Note, "Setting System Limiters."

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PROCESSOR SETTINGS - ANECHOIC & SUBJECTIVE

PROCESSOR SETTINGS/SUBJECTIVE**

Crossover Section	Frequency Hz	Slope	Delay/msec	Gain/dB	Phase
LF - HPF, w/o subwoofer	45Hz	24dB/oct (4th Order) Butterworth			
LF HPF, w/ subwoofer	70Hz	24dB/oct (4th Order) Butterworth			

EQ Section[1]	Frequency Hz	Q	Bandwidth	Level/dB
Low Shelf	500Hz	4.0	.35	-7
	908Hz	5.7	.25	-4.5
	1,240Hz	7.6	.20	-6
	1,710Hz	6.0	.24	-5.5
	2,470Hz	4.5	.32	-3.5
	3,110Hz	6.0	.24	-3
	3,850Hz	7.1	.20	-2
	6,730Hz	4.5	.32	-4
	8,640Hz	4.8	.30	-3

Limiting Section[2]	Threshold Voltage	Attack/msec	Release/msec	
	64.V	16msec	256msec	

**Processor settings/Subjective - Baseline suggested performance settings. Sound system/room interactions are complex, and array configurations and various environmental conditions affect system performance.

1. DSP parametric filter algorithms vary between DSP manufacturers, so values derived on one DSP do not necessarily translate accurately to another manufacturer's DSP. It is recommended that the Q values shown be used as a starting point when programming filter values, as these are typically a more accurate mathematical representation of the original filter values. A calibrated mic and quality transfer-function-based measurement system like SysTune or SMAART should always be used to tune the system to the specific acoustic properties of the room. XTA DSPs were used to determine the filter values shown.

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