



Processor Settings
Cinema System CS6600 (6 - 12 units)

Crossover

	Frequency	Slope
CSB215 (x2) - HPF	35Hz	24dB Oct. (4th order) Butterworth
CSB215 (x2) - LPF	300Hz	24dB Oct. (4th order) Linkwitz/Riley
CS6600 - HPF	450Hz	24dB Oct. (4th order) Linkwitz/Riley

Equalization

	Frequency	BW*	Q	Level
CSB215 (x2)	38Hz	.71	2	+3dB
	230Hz	.5	2.87	-4dB
CS6600	640Hz	.25	5.76	-4dB
	1,600Hz	1	1.41	-3dB

Delay

	Time	Polarity
CSB215 (x2)	none	positive
CS6600	.9 msec	positive

Delay value may change depending on location of CSB215 in relation to array. If CSB215 is even with the top box in the array (front to back), remove the delay.

Limiting

	RMS Voltage
CSB215 (x2)	56.6 Volts, 16 msec attack, 256 msec release, 100:1 ratio (recommended predictive peak stop @ 97 Volts or amp clipping)
CS6600	40 Volts, 4 msec attack, 64 msec release, 100:1 ratio (recommended predictive peak stop @ 56 Volts or amp clipping)

See Application Note "Setting System Limiters"

Gain

CSB215 (x2)	0dB
CS6600	0dB

Assumes amplifiers have equal voltage gain

*** 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.)