

# Avalon (DC) Series Processor Settings

November 13, 2001



## DC1 biamp

## DC2 biamp

OUTPUT	Name
GAIN	(dB)
DELAY	(ms)
POLARITY	
HPF	Freq (Hz)
	Slope (dB)
	Shape
LPF	Freq (Hz)
	Slope (dB)
	Shape
PEQ1	Freq (Hz)
	Level (dB)
	Type
	Q
	(Bandwidth)
PEQ2	Freq (Hz)
	Level (dB)
	Type
	Q
	(Bandwidth)
PEQ3	Freq (Hz)
	Level (dB)
	Type
	Q
	(Bandwidth)
PEQ4	Freq (Hz)
	Level (dB)
	Type
	Q
	(Bandwidth)
PEQ5	Freq (Hz)
	Level (dB)
	Type
	Q
	(Bandwidth)

Low	Mid/Hi
4.0	0.0
0.00	0.00
Positive	Positive
30	229
24	24
Butterworth	Butterworth
229	thru
24	
Linkwitz-Riley	
72	2990
3.0	-6.0
Parametric	Parametric
1.59	6.35
0.63	0.16
118	5990
-3.0	8.0
Parametric	12 dB Hi Shelf
4.49	
0.22	
	2990
	4.0
	Parametric
	2.12
	0.47
	1830
	-2.0
	Parametric
	5.04
	0.20
	944
	-1.0
	2.67
	2.00
	0.50

Low	Mid/Hi
7.0	-4.0
0.03	0.00
Positive	Positive
40.5	265
24	24
Butterworth	Butterworth
250	thru
24	
Linkwitz-Riley	
125	7550
2.0	-2.5
Parametric	Parametric
3.00	5.66
0.33	0.18
	6340
	7.0
	12 dB Hi Shelf
	10670
	8.0
	Parametric
	3.00
	0.37

NOTE: To use systems with sub, high pass LF @ 50-80 Hz (24 dB Butterworth).

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## DC3 biamp

## DC4 biamp

OUTPUT	Name
GAIN	(dB)
DELAY	(ms)
POLARITY	
HPF	Freq (Hz)
	Slope (dB)
	Shape
LPF	Freq (Hz)
	Slope (dB)
	Shape
PEQ1	Freq (Hz)
	Level (dB)
	Type
	Q
	(Bandwidth)
PEQ2	Freq (Hz)
	Level (dB)
	Type
	Q
	(Bandwidth)
PEQ3	Freq (Hz)
	Level (dB)
	Type
	Q
	(Bandwidth)
PEQ4	Freq (Hz)
	Level (dB)
	Type
	Q
	(Bandwidth)
PEQ5	Freq (Hz)
	Level (dB)
	Type
	Q
	(Bandwidth)

Low	Mid/Hi
0.0	0.0
0.44	0.00
Positive	Positive
40.5	281
24	24
Butterworth	Linkwitz-Riley
250	18480
24	12
Butterworth	Butterworth
81	500
6.0	-1.5
Parametric	Parametric
2.00	2.00
0.50	0.50
	10670
	5.0
	Parametric
	5.99
	0.17

Low	Mid/Hi
-1.0	0.0
0.50	0.00
Positive	Positive
40.5	500
24	24
Butterworth	Butterworth
343	thru
18	
Bessel	
111	
7.0	
Parametric	
2.00	
0.53	
515	
-6.0	
Parametric	
2.00	
0.50	

NOTE: To use systems with sub, high pass LF @ 50-80 Hz (24 dB Butterworth).

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		DCS2		DCT1	DCT2
OUTPUT	Name	Sub	VHF	VHF	
SENSITIVITY	(dB)	107	110	110	
POLARITY		Positive	Positive	Positive	
HPF	Freq (Hz)	30	5000	5000	
	Slope (dB)	12	24	24	
	Shape	Butterworth	Butterworth	Butterworth	
LPF	Freq (Hz)	80-120	thru	thru	
	Slope (dB)	24			
	Shape	Butterworth			
PEQ1	Freq (Hz)	40	6727		
	Level (dB)	4.0	-2.0		
	Type	Parametric	6 dB Hi Shelf		
	Q	2.00			
	(Bandwidth)	0.50			
PEQ2	Freq (Hz)		11314		
	Level (dB)		2.0		
	Type		Parametric		
	Q		1.26		
	(Bandwidth)		0.79		

NOTE: For the DSC2, accompanying full-range system should be delayed 5-6 ms when stacked or flown directly overhead.