

# MQ Processor Settings

January 2, 2006



## MQ1364 bi-amp w/ MQ1312

OUTPUT	Name	LF	MF	HF
GAIN	(dB)	10.0	0.0	0.0
DELAY	(ms)	2.73	0.00	0.21
POLARITY		Positive	Positive	Positive
HPF	Freq (Hz)	35	210	1155
	Slope (dB)	24	24	24
	Shape	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)	182	944	18302
	Slope (dB)	24	24	12
	Shape	Butterworth	Butterworth	Butterworth
PEQ1	Freq (Hz)	47	250	1000
	Level (dB)	3.0	3.0	-9.0
	Type	Parametric	Parametric	Parametric
	Q	2.52	0.84	0.71
	(Bandwidth)	0.40	1.19	1.67
PEQ2	Freq (Hz)		749	2911
	Level (dB)		-6.0	-4.0
	Type		Parametric	Parametric
	Q		1.41	2.52
	(Bandwidth)		0.71	0.40
PEQ3	Freq (Hz)		1498	11314
	Level (dB)		6.0	7.0
	Type		Parametric	Parametric
	Q		1.88	0.89
	(Bandwidth)		0.53	1.19
PEQ4	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
	(Bandwidth)			
PEQ5	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
	(Bandwidth)			

*Output gains assume all amplifiers have the same voltage gain*

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January 2, 2006



## MQ1366 bi-amp w/ MQ1312

OUTPUT	Name	LF	MF	HF
GAIN	(dB)	7.0	0.0	-2.0
DELAY	(ms)	2.50	0.00	0.21
POLARITY		Positive	Positive	Positive
HPF	Freq (Hz)	35	210	1542
	Slope (dB)	24	24	24
	Shape	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)	182	1498	10375
	Slope (dB)	24	24	12
	Shape	Butterworth	Linkwitz-Riley	Bessel
PEQ1	Freq (Hz)	47	136	2997
	Level (dB)	3.0	7.0	-3.5
	Type	Parametric	Parametric	Parametric
	Q	2.52	1.12	3.36
	(Bandwidth)	0.40	0.94	0.30
PEQ2	Freq (Hz)		771	1782
	Level (dB)		-5.5	-6.5
	Type		Parametric	Parametric
	Q		1.33	0.67
	(Bandwidth)		0.75	1.53
PEQ3	Freq (Hz)		1498	8724
	Level (dB)		6.0	10.5
	Type		Parametric	Parametric
	Q		1.89	0.71
	(Bandwidth)		0.53	1.82
PEQ4	Freq (Hz)			3364
	Level (dB)			-1.0
	Type			Parametric
	Q			4.00
	(Bandwidth)			0.25
PEQ5	Freq (Hz)			5187
	Level (dB)			-0.5
	Type			Parametric
	Q			4.00
	(Bandwidth)			0.25

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# MQ Processor Settings

January 2, 2006



## MQ1394 bi-amp w/ MQ1312

OUTPUT	Name	LF	MF	HF
GAIN	(dB)	10.0	0.0	4.0
DELAY	(ms)	2.73	0.00	0.21
POLARITY		Positive	Positive	Positive
HPF	Freq (Hz)	35	210	1122
	Slope (dB)	24	24	24
	Shape	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)	182	972	18302
	Slope (dB)	24	24	12
	Shape	Butterworth	Butterworth	Butterworth
PEQ1	Freq (Hz)	47	273	1000
	Level (dB)	3.0	4.0	-9.0
	Type	Parametric	Parametric	Parametric
	Q	2.52	0.84	0.71
	(Bandwidth)	0.40	1.19	1.67
PEQ2	Freq (Hz)		578	2911
	Level (dB)		-3.0	-4.0
	Type		Parametric	Parametric
	Q		1.00	2.52
	(Bandwidth)		1.00	0.40
PEQ3	Freq (Hz)		1498	11314
	Level (dB)		6.0	7.0
	Type		Parametric	Parametric
	Q		1.89	0.89
	(Bandwidth)		0.53	1.19
PEQ4	Freq (Hz)		397	
	Level (dB)		-1.0	
	Type		Parametric	
	Q		4.00	
	(Bandwidth)		0.25	
PEQ5	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
	(Bandwidth)			

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# MQ Processor Settings

January 2, 2006



## MQ2364 bi-amp w/ MQ2315

OUTPUT	Name	LF	MF	HF
GAIN	(dB)	1.0	2.5	0.0
DELAY	(ms)	0.00	0.00	0.21
POLARITY		Positive	Positive	Positive
HPF	Freq (Hz)	35	198	1189
	Slope (dB)	24	24	24
	Shape	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)	177	891	thru
	Slope (dB)	24	24	
	Shape	Butterworth	Butterworth	
PEQ1	Freq (Hz)		794	1000
	Level (dB)		-1.5	-7.0
	Type		Parametric	Parametric
	Q		4.00	0.59
	(Bandwidth)		0.25	1.79
PEQ2	Freq (Hz)		728	3268
	Level (dB)		-11.0	-5.0
	Type		Parametric	Parametric
	Q		1.12	2.52
	(Bandwidth)		1.19	0.40
PEQ3	Freq (Hz)		1587	11314
	Level (dB)		7.0	6.0
	Type		Parametric	Parametric
	Q		3.56	1.00
	(Bandwidth)		0.30	1.00
PEQ4	Freq (Hz)		397	13454
	Level (dB)		-1.5	-2.5
	Type		Parametric	Parametric
	Q		1.59	3.00
	(Bandwidth)		0.63	0.33
PEQ5	Freq (Hz)			16951
	Level (dB)			-3.0
	Type			Parametric
	Q			5.04
	(Bandwidth)			0.20

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January 2, 2006



## MQ2364 bi-amp w/ MQ2412

OUTPUT	Name	LF	MF	HF
GAIN	(dB)	5.0	2.5	0.0
DELAY	(ms)	2.73	0.00	0.21
POLARITY		Positive	Positive	Positive
HPF	Freq (Hz)	35	198	1189
	Slope (dB)	24	24	24
	Shape	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)	177	891	thru
	Slope (dB)	24	24	
	Shape	Butterworth	Butterworth	
PEQ1	Freq (Hz)	281	794	1000
	Level (dB)	-2.5	-1.5	-7.0
	Type	Parametric	Parametric	Parametric
	Q	2.52	4.00	0.59
	(Bandwidth)	0.40	0.25	1.79
PEQ2	Freq (Hz)		728	3268
	Level (dB)		-11.0	-5.0
	Type		Parametric	Parametric
	Q		1.12	2.52
	(Bandwidth)		1.19	0.40
PEQ3	Freq (Hz)		1587	11314
	Level (dB)		7.0	6.0
	Type		Parametric	Parametric
	Q		3.56	1.00
	(Bandwidth)		0.30	1.00
PEQ4	Freq (Hz)		397	13454
	Level (dB)		-1.5	-2.5
	Type		Parametric	Parametric
	Q		1.59	3.00
	(Bandwidth)		0.63	0.33
PEQ5	Freq (Hz)			16951
	Level (dB)			-3.0
	Type			Parametric
	Q			5.04
	(Bandwidth)			0.20

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January 2, 2006



## MQ2394 bi-amp w/ MQ2412

OUTPUT	Name	LF	MF	HF
GAIN	(dB)	5.0	0.0	-1.0
DELAY	(ms)	2.73	0.00	0.21
POLARITY		Positive	Positive	Positive
HPF	Freq (Hz)	35	198	1189
	Slope (dB)	24	24	24
	Shape	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)	177	891	17959
	Slope (dB)	24	24	12
	Shape	Butterworth	Butterworth	Bessel
PEQ1	Freq (Hz)	56	728	1731
	Level (dB)	5.0	-11.0	-6.0
	Type	Parametric	Parametric	Parametric
	Q	2.00	1.12	0.94
	(Bandwidth)	0.50	1.19	1.06
PEQ2	Freq (Hz)		1587	3175
	Level (dB)		7.0	-6.0
	Type		Parametric	Parametric
	Q		3.56	2.52
	(Bandwidth)		0.30	0.40
PEQ3	Freq (Hz)		397	11314
	Level (dB)		-4.0	9.0
	Type		Parametric	Parametric
	Q		1.59	2.00
	(Bandwidth)		0.63	0.59
PEQ4	Freq (Hz)			12338
	Level (dB)			-5.0
	Type			Parametric
	Q			5.04
	(Bandwidth)			0.20
PEQ5	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
	(Bandwidth)			

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# MQ Processor Settings

January 2, 2006



## MQ3464D bi-amp parallel HF

OUTPUT	Name	MF	HF Cell A & B
GAIN	(dB)	-1.0	0.0
DELAY	(ms)	0.44	0.77
POLARITY		Positive	Positive
HPF	Freq (Hz)	173	1059
	Slope (dB)	24	24
	Shape	Linkwitz-Riley	Linkwitz-Riley
LPF	Freq (Hz)	1059	thru
	Slope (dB)	24	
	Shape	Linkwitz-Riley	
PEQ1	Freq (Hz)	841	891
	Level (dB)	-4.5	-4.0
	Type	Parametric	Parametric
	Q	2.51	1.41
	(Bandwidth)	0.40	0.71
PEQ2	Freq (Hz)	1254	817
	Level (dB)	7.0	2.0
	Type	Parametric	Parametric
	Q	2.00	2.99
	(Bandwidth)	0.53	0.33
PEQ3	Freq (Hz)	2175	2239
	Level (dB)	-6.0	-2.0
	Type	Parametric	Parametric
	Q	3.98	2.51
	(Bandwidth)	0.25	0.40
PEQ4	Freq (Hz)		8913
	Level (dB)		9.0
	Type		Parametric
	Q		1.78
	(Bandwidth)		0.67
PEQ5	Freq (Hz)		12589
	Level (dB)		8.0
	Type		Parametric
	Q		1.88
	(Bandwidth)		0.60

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January 2, 2006



## MQTD412 bi-amp

OUTPUT		Name	12" LF	8" LF
GAIN	(dB)		0.0	0.0
DELAY	(ms)		0.00	0.38
POLARITY			Positive	Positive
HPF	Freq (Hz)		40	335
	Slope (dB)		24	24
	Shape		Butterworth	Linkwitz-Riley
LPF	Freq (Hz)		316	400-500
	Slope (dB)		24	
	Shape		Linkwitz-Riley	user defined
PEQ1	Freq (Hz)		281	274
	Level (dB)		-8.0	4.5
	Type		Parametric	Parametric
	Q		2.00	2.00
	(Bandwidth)		0.56	0.50
PEQ2	Freq (Hz)			447
	Level (dB)			-4.0
	Type			Parametric
	Q			2.00
(Bandwidth)				0.50
PEQ3	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
(Bandwidth)				
PEQ4	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
(Bandwidth)				
PEQ5	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
(Bandwidth)				

## MQTD415 bi-amp

OUTPUT		Name	15" LF	12" LF
GAIN	(dB)		0.0	-1.0
DELAY	(ms)		0.00	0.60
POLARITY			Positive	Positive
HPF	Freq (Hz)		30	126
	Slope (dB)		24	24
	Shape		Butterworth	Butterworth
LPF	Freq (Hz)		126	300-500
	Slope (dB)		24	
	Shape		Butterworth	user defined
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)				

*Output gains assume all amplifiers have the same voltage gain*