



R SERIES (R1, R2, R.25, R.5)

Factory recommended initial correction equalization and protective high pass filter settings (IIR)

Revised 9-12-2016

Model	R1-64Z	R1-66Z	R1-94Z	R2-52Z	R2-77Z	R2-94Z	R2-474Z	R2-694Z	R.25-94Z	R.25PA	R.5-66Z	R.5-94Z	R.5-99Z	R.5COAX66	R5.COAX99	R.5HP
HP Resp (Type,dB/Oct)	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB
HP Frequency (Hz)	90Hz	90Hz	90Hz	70Hz	70Hz	70Hz	70Hz	70Hz	100Hz	100Hz	90Hz	90Hz	90Hz	60Hz	60Hz	70Hz
Delay																
LP Resp (Type,dB/Oct)																
LP Frequency (Hz)																

Filter 1 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 1 Freq. (Hz)	190	190	3050	186	186	186	186	188	588	588	310	310	310	360	310	310
Filter 1 Oct-BW	0.4	0.4	0.33	0.46	0.46	0.46	0.46	0.389	0.2	0.2	0.21	0.21	0.21	0.2	0.21	0.24
Filter 1 Level (dB)	-2	-2	-4	-4	-5	-5	-5	-3.5	-7	-7	-7	-7	-7	-7	-7	-6
Filter 2 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 2 Freq. (Hz)	880	880	8300	339	339	339	560	371	850	850	794	790	1.1k	3700	1741	507
Filter 2 Oct-BW	0.6	0.6	0.3	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.48	0.33	0.5	0.33
Filter 2 Level (dB)	-3	-3	-3	-3	-3	-3	-3	-3	4	4	3	3	-3	-3	5	-8
Filter 3 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	H Shelf	PEQ	PEQ
Filter 3 Freq. (Hz)	2130	1917	1400	600	461	542	2000	1630	1493	1493	1955	1280	2.2k	2000	4305	1231
Filter 3 Oct-BW	0.42	0.31	0.7	0.55	0.48	0.4	1.2	0.5	0.44	0.44	0.36	0.33	0.33	12	0.46	0.54
Filter 3 Level (dB)	-3	-3	2	3	4	3	-5	-4	-4	-4	4	-3	3	-3	-4	-6
Filter 4 Type	PEQ	PEQ		PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	H Shelf	PEQ		PEQ
Filter 4 Freq. (Hz)	5128	4832		1055	1231	1711	4750	3600	2000	2000	3762	1955	7k	8400		2660
Filter 4 Oct-BW	0.33	0.33		0.33	0.47	0.38	0.2	0.336	0.52	0.52	0.33	0.36	12dB	0.33		0.5
Filter 4 Level (dB)	-3	-3		-6	-5	-4	-3	-2	5	5	-5	3	3	-3		-7
Filter 5 Type				PEQ	PEQ	PEQ	PEQ		PEQ	PEQ	PEQ			PEQ		PEQ
Filter 5 Freq. (Hz)				3103	3551	3345	3700		5637	5637	1280			14000		3690
Filter 5 Oct-BW				0.6	0.33	0.33	0.2		0.7	0.7	0.33			0.33		0.2
Filter 1 Level (dB)				-5	-4	-4	-2		-4	-4	-3			2		-3



R SERIES (Subs, RMG, RSH, R6, R.15, R.35)

Factory recommended initial correction equalization and protective high pass filter settings (IIR)

Revised 9-12-2016

Model	R.5-SUB	R2SUBDF	R2SUBZ	RMG200A	RSH-462	R6-51 Biamp			R6	R.15COAX	R.15COAX	R.35COAX	R.35COAX	R.35-3896	R.35-3896
						Low	Mid/Hi	Input		Music	Speech	Music	Speech	Music	Speech
HP Resp (Type,dB/Oct)	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW12		Link24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB	BW24dB
HP Frequency (Hz)	45Hz	35Hz	35Hz	400Hz	400Hz	45Hz	612Hz		45	90Hz	90Hz	70Hz	70Hz	80Hz	80Hz
HP Polarity (Norm/Inv)						0			Norm						
LP Resp (Type,dB/Oct)	LR24dB	LR24dB	LR24dB	Bw24dB	Bw24dB	LR24dB			Link24dB						
LP Frequency (Hz)	100Hz	100Hz	100Hz	8k	8k	971			125						
Delay (ms)							2								
Filter 1 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 1 Freq. (Hz)	221	260	260	1634	1542	56Hz	3174	630	55	11000	11000	360	360	520	850
Filter 1 Oct-BW	0.5	0.5	0.5	0.709	0.752	0.71	0.47	0.47	0.33	1.38	1.38	0.79	1	1	0.33
Filter 1 Level (dB)	-12	-12	-12	-9	-11.9	3	-4	4	3	-6	-6	3	4	-3	3
Filter 2 Type	PEQ			PEQ	PEQ	PEQ	PEQ		PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 2 Freq. (Hz)	403			3175	2670	364	4757		364	310	310	650	650	6400	11000
Filter 2 Oct-BW	0.49			0.315	0.25	0.45	0.33		0.45	0.48	0.48	0.41	0.29	2.5	0.33
Filter 2 Level (dB)	-6			4.5	3	-3	4		-8	3	3	-4	-3	-2	-3
Filter 3 Type						PEQ	H-Shelf			PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 3 Freq. (Hz)						890	6KHz			1500	1500	1600	1600	11000	4900
Filter 3 Oct-BW						0.38	6dB			0.33	0.33	0.33	0.48	0.39	0.33
Filter 3 Level (dB)						-10	4			-2	-2	-3	-4	-2	-2
Filter 4 Type										PEQ	PEQ	PEQ		PEQ	PEQ
Filter 4 Freq. (Hz)										900	500	4800		1400	300
Filter 4 Oct-BW										0.33	0.33	1		0.33	0.33
Filter 4 Level (dB)										-2	2	-3		-2	3
Filter 5 Type										PEQ		PEQ			
Filter 5 Freq. (Hz)										5500		11000			
Filter 5 Oct-BW										0.33		1			
Filter 5 Level (dB)										-3		-2			



R SERIES (R-MAX)

Factory recommended initial correction equalization and protective high pass filter settings (IIR)

Revised 9-12-2016

Model	R.5-66MAX	R.5-96MAX	R2-64MAX Biamp		R2-66MAX Biamp		R2-94MAX Biamp		R2-52MAX		R651MAX TRIamp			R6-BHMAX
			Low	High	Low	High	Low	High	Low	High	Low	Mid	High	Low
HP Resp (Type,dB/Oct)	BW24	BW24	BW24	BW24	BW24	BW24	BW24	BW24	BW24	BW24	BW24	BW24	BW24	BW24
HP Frequency (Hz)	80	80	70	520	70	520	70	520	70	520	45	600	4850	120
HP Polarity (Norm/Inv)			Norm	Inv	Norm	Inv	Norm	Inv	Norm	Norm				
LP Resp (Type,dB/Oct)			Bw24		Bw24		Bw24		Bw24		L12	BW24	BW6	
LP Frequency (Hz)			520		520		520		520		971	3800	18000	
Delay (ms)				1		1		1		1.208		1.916	1.916	
Level				-3		-2				-6	3.5	-4	-3.5	
Filter 1 Type	PEQ	PEQ	PEQ	Hi Shelf	PEQ	PEQ	PEQ	Hi Shelf	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 1 Freq. (Hz)	450	450	600	950	600	2000	600	950	90	580	60	910	5393	58
Filter 1 Oct-BW	0.2	0.2	0.2		0.2	1	0.2		0.5	0.25	0.399	0.333	0.46	0.3
Filter 1 Level (dB)	-4	-4	-12	-3	-12	-4	-12	-2	9	3	4	-2	2.5	4
Filter 2 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	Hi Shelf	Hi Shelf	PEQ
Filter 2 Freq. (Hz)	250	250	360	1000	360	1000	360	640	200	790	166	1026	6500	84
Filter 2 Oct-BW	0.33	0.33	0.3	0.3	0.3	1	0.3	0.33	0.33	0.33	0.599			0.2
Filter 2 Level (dB)	-6	-5	-6	-4	-6	-3	-6	-6	-2	2	3	-4	4	-5
Filter 3 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 3 Freq. (Hz)	1900	2200	280	2000	500	7800	290	1000	370	1050	350	1254	10500	117
Filter 3 Oct-BW	0.5	0.33	0.3	1	0.2	0.5	0.5	0.33	0.23	0.5	0.7	0.759	0.56	0.2
Filter 3 Level (dB)	-3	-2	-3	-3	3	4	-1	-5	-3	-4	-1.5	-3	1.5	-3
Filter 4 Type	Hi Shelf	PEQ	PEQ	PEQ		Hi Shelf		PEQ	PEQ	PEQ	Allpass	PEQ	PEQ	
Filter 4 Freq. (Hz)	3000	620	470	5000		1000		1800	400	2300	730	2249		
Filter 4 Oct-BW		0.33	0.3	0.5				1.2	0.6	0.3		0.333		
Filter 4 Level (dB)	-3	3	6	-2		-2		-5	3	3.5		-4		
Filter 5 Type	PEQ	PEQ		PEQ		PEQ		PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	
Filter 5 Freq. (Hz)	2400	1400		11500		4800		5900	460	3355	1593	6200		
Filter 5 Oct-BW	0.3	0.5		0.3		0.5		0.33	0.2	0.3	0.43	0.25		
Filter 5 Level (dB)	2	1		6		-1		-4	4	-2	-11	-5.5		
Filter 6 Type	PEQ	PEQ		PEQ		PEQ		PEQ		PEQ				
Filter 6 Freq. (Hz)	640	3500		790		15000		8800		5200				
Filter 6 Oct-BW	0.3	0.33		0.3		1.5		0.25		0.3				
Filter 6 Level (dB)	3.5	-1		2		-3		-3		-2				

Settings above for "flat response". For max output, only use HPF & LPF.