



I SERIES (IP8 2-way Passive) Factory-recommended Initial Correction Equalization and Protective High Pass Filter Settings (IIR)

Revised 7/30/2015

Model	IP8-1122-26	IP8-1122-64	IP8-1122-66	IP8-1122-94	IP8-1122-96	IP8-1122-99	IP8-1152-26	IP8-1152-64	IP8-1152-66	IP8-1152-94	IP8-1152-96	IP8-1152-99
HP Resp (Type,dB/Oct)	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive
HP Frequency (Hz)	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB
HP Polarity (Norm/Inv)	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	35 Hz	35 Hz	35 Hz	35 Hz	35 Hz	35 Hz
LP Resp (Type,dB/Oct)	Norm	Norm	Norm	Norm	Norm	Norm	Norm	Norm	Norm	Norm	Norm	Norm
LP Frequency (Hz)												
Filter 1 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 1 Freq. (Hz)	55	55	55	55	55	55	50	50	50	50	50	50
Filter 1 Level (dB)	6	6	6	6	6	6	6	6	6	6	6	6
Filter 1 Oct-BW	0.288	0.288	0.288	0.288	0.288	0.288	0.36	0.36	0.36	0.36	0.36	0.36
Filter 2 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 2 Freq. (Hz)	80	80	80	80	80	80	470	620	420	450	430	430
Filter 2 Level (dB)	4	4	4	4	4	4	-5	-2	-3	-5	-4	-4
Filter 2 Oct-BW	1.003	1.003	1.003	1.003	1.003	1.003	0.36	0.714	0.36	0.36	0.36	0.36
Filter 3 Type	PEQ	High Shelf	High Shelf	PEQ	High Shelf	High Shelf	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 3 Freq. (Hz)	475	500	400	320	400	600	800	1200	800	820	960	960
Filter 3 Level (dB)	-2	1.5	1.5	1.5	2	1	-2	2	-3	-4.5	-3	-3
Filter 3 Oct-BW	0.288			0.36			0.714	0.36	0.714	0.36	0.288	0.288
Filter 4 Type	High Shelf	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 4 Freq. (Hz)	600	510	480	1100	440	2700	1500	2850	1300	1700	1500	1500
Filter 4 Level (dB)	1.5	-1	-2	2	-2	-1.5	2	-2	1	-2	2.5	2.5
Filter 4 Oct-BW		0.288	0.36	0.573	1.003	0.36	0.36	0.206	0.36	0.206	0.714	0.714
Filter 5 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	High Shelf	PEQ	PEQ	PEQ	PEQ
Filter 5 Freq. (Hz)	1300	700	720	1750	820	4200	2400	4000	2400	3000	1700	1700
Filter 5 Level (dB)	2	-2	-2	-1.5	-2	2	-1	-1	-2.5	-3	-5	-5
Filter 5 Oct-BW	0.714	0.288	0.288	0.18	0.479	0.479	1.003		0.479	0.36	0.206	0.206
Filter 6 Type	PEQ	PEQ	PEQ	PEQ	PEQ	High Shelf	PEQ	PEQ	PEQ	High Shelf	High Shelf	High Shelf
Filter 6 Freq. (Hz)	1850	2800	2800	2100	1650	12000	4800	13200	4000	5500	4000	4000
Filter 6 Level (dB)	-2	-2	-2	1.5	-2	-4	-2	-2	-1	-3	-1	-1
Filter 6 Oct-BW	0.206	0.36	1.388	0.18	0.206	0.714	0.288	0.573	0.36			
Filter 7 Type	PEQ	High Shelf	PEQ	PEQ	High Shelf		PEQ		PEQ		PEQ	High Shelf
Filter 7 Freq. (Hz)	3000	3000	7200	5000	5000		7500		7500		7100	7100
Filter 7 Level (dB)	-1	-1	5	1	-1		4		4		2	2
Filter 7 Oct-BW	0.288		0.411	0.479			0.36		0.288		0.36	0.36
Filter 8 Type	PEQ	PEQ	High Shelf	High Shelf	PEQ		PEQ		PEQ		PEQ	PEQ
Filter 8 Freq. (Hz)	7800	13000	8500	6000	7500		12000		13500		13200	13200
Filter 8 Level (dB)	2.5	-2	-2.5	-1.5	2		-5		-2		-6	-6
Filter 8 Oct-BW	0.24	0.288			0.24		0.36		0.714		0.573	0.573
Filter 9 Type	PEQ			PEQ	PEQ							
Filter 9 Freq. (Hz)	12000			14000	13000							
Filter 9 Level (dB)	-4			-2	-3.5							
Filter 9 Oct-BW	0.714			0.479	0.714							



I SERIES IP8-1122 (Biamp)

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

Revised 9-6-2016

Model	IP8-1122-26		IP8-1122-64		IP8-1122-66		IP8-1122-94		IP8-1122-96		IP8-1122-99	
	Biamp Low	Biamp High	Biamp Low	Biamp High	Biamp Low	Biamp High	Biamp Low	Biamp High	Biamp Low	Biamp High	Biamp Low	Biamp High
HP Resp (Type,dB/Oct)	Butterworth12	Butterworth 24	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 36	Butterworth 12	Butterworth 36	Butterworth 12	Butterworth 48
HP Frequency (Hz)	45	1800	45	1200	45	1200	45	1500	45	1300	45	1600
LP Resp (Type,dB/Oct)	Butterworth 36		Butterworth 48		Butterworth 48		Butterworth 36		Butterworth 48		Butterworth 48	
HP Frequency (Hz)	1500		1200		1200		1500		1200		1500	
Polarity		Inverted										
Delay	0.5		0.75		0.75		0.687		0.437		0.5	
Gain		-3.5		-11		-7		-10		-4.5		-5.5
Filter 1 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 1 Freq. (Hz)	55	1900	55	2400	55	1300	55	2800	55	1750	55	1800
Filter 1 Level (dB)	6	-9	6	-1	6	-4	6	-5	6	-3.5	6	1
Filter 1 Oct-B)	0.288	0.288	0.288	0.479	0.288	0.573	0.288	0.479	0.288	0.36	0.288	0.36
Filter 1 Q	5	5	5	3	5	2.5	5	3	5	4	5	4
Filter 2 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 2 Freq. (Hz)	80	2900	80	3000	80	3000	80	3500	80	2700	80	3000
Filter 2 Level (dB)	4	-8	4	-6	4	-11	4	-1.5	4	-8	4	-7
Filter 2 Oct-B)	1.003	0.288	1.003	0.573	1.003	0.573	1.003	0.479	1.003	0.714	1.003	0.479
Filter 2 Q	1.41	5	1.41	2.5	1.41	2.5	1.41	3	1.41	2	1.41	3
Filter 3 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	High Shelf	PEQ	PEQ	PEQ	PEQ
Filter 3 Freq. (Hz)	400	3500	350	4300	350	4200	400	4000	400	3800	360	3100
Filter 3 Level (dB)	-1	-2.5	-1	-2	-1	-1	-1	0.5	-1	-3	-1	-2.5
Filter 3 Oct-B)	0.714	0.479	0.479	0.714	0.479	0.479	0.714		0.714	0.479	0.714	0.573
Filter 3 Q	2	3	3	2	3	3	2	0.71	2	3	2	2.5
Filter 4 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 4 Freq. (Hz)	840	5000	720	6500	720	7500	840	8600	840	5700	840	6300
Filter 4 Level (dB)	-2	-4.5	-2	0.5	-2	2	-2	-1	-2	-2	-2	1
Filter 4 Oct-B)	0.479	0.714	0.479	0.573	0.479	0.36	0.479	0.479	0.479	0.288	0.479	0.288
Filter 4 Q	3	2	3	2.5	3	4	3	3	3	5	3	5
Filter 5 Type	PEQ	PEQ			PEQ	PEQ	PEQ		PEQ	PEQ	PEQ	High Shelf
Filter 5 Freq. (Hz)	1600	8000			1300	9350	1300		1100	7300	1500	8500
Filter 5 Level (dB)	3	2			-4	-2	3		2	2	3	-3
Filter 5 Oct-B)	0.479	0.18			0.573	0.36	0.36		0.36	0.24	0.36	
Filter 5 Q	3	8			2.5	4	4		4	6	4	0.71
Filter 6 Type		PEQ				PEQ				PEQ		PEQ
Filter 6 Freq. (Hz)		12000				11000				11000		13000
Filter 6 Level (dB)		-6.5				-6				-6.5		-2
Filter 6 Oct-B)		0.714				0.573				0.714		0.206
Filter 6 Q		2				2.5				2		7
Filter 7 Type												
Filter 7 Freq. (Hz)												
Filter 7 Level (dB)												
Filter 7 Oct-B)												
Filter 7 Q												



I SERIES IP8-1152 (Biamp)

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

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Model	IP8-1152-26		IP8-1152-64		IP8-1152-66		IP8-1152-94		IP8-1152-96		IP8-1152-99	
	Biamp Low	Biamp High	Biamp Low	Biamp High	Biamp Low	Biamp High	Biamp Low	Biamp High	Biamp Low	Biamp High	Biamp Low	Biamp High
HP Resp (Type,dB/Oct)	Butterworth 12	Butterworth 36	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48
HP Frequency (Hz)	35	1200	35	1000	35	1100	35	1100	35	1100	35	1200
LP Resp (Type,dB/Oct)	Butterworth 48		Butterworth 48		Butterworth 48		Butterworth 48		Butterworth 48		Butterworth 48	
HP Frequency (Hz)	1000		900		1000		1000		1000		1100	
Polarity		Inverted						Inverted		Inverted		
Delay	0.625		0.5		0.625		0.562		0.5		0.5	
Gain		-5		-12		-8		-11.5		-6		-8
Filter 1 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 1 Freq. (Hz)	50	1900	50	1100	50	1200	50	1250	50	1700	50	1350
Filter 1 Level (dB)	6	-6	6	-2	6	-4.5	6	4	6	-5.5	6	-3
Filter 1 Oct-B)	0.36	0.288	0.36	0.36	0.36	0.714	0.36	0.288	0.36	0.36	0.36	0.18
Filter 1 Q	4	5	4	4	4	2	4	5	4	4	4	8
Filter 2 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 2 Freq. (Hz)	420	2750	410	1600	410	3000	420	1750	410	2600	235	3000
Filter 2 Level (dB)	-4	-8.5	-1	1.5	-2	-11	-4	-1	-4	-8.5	-1	-7
Filter 2 Oct-B)	0.36	0.479	0.479	0.479	0.36	0.573	0.573	0.24	0.288	0.288	0.36	0.479
Filter 2 Q	4	3	3	3	4	2.5	2.5	6	5	5	4	3
Filter 3 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 3 Freq. (Hz)	650	3500	720	2600	730	4200	800	2350	710	3400	410	3100
Filter 3 Level (dB)	-1	-2.5	-2	-1.5	-2.5	-1	-2	-2	-2	-5.5	-4	-2.5
Filter 3 Oct-B)	0.573	0.479	0.479	0.573	0.573	0.479	0.479	0.24	0.573	0.714	0.36	0.573
Filter 3 Q	2.5	3	3	2.5	2.5	3	3	6	2.5	2	4	2.5
Filter 4 Type		PEQ	PEQ	PEQ		PEQ		PEQ	PEQ	PEQ	PEQ	PEQ
Filter 4 Freq. (Hz)		4900	925	3000		7500		2800	990	5500	770	6250
Filter 4 Level (dB)		-5	2	-6		2		-5	3	-2	-3	1
Filter 4 Oct-B)		0.479	0.24	0.573		0.36		0.479	0.206	0.411	0.479	0.206
Filter 4 Q		3	6	2.5		4		3	7	3.5	3	7
Filter 5 Type		PEQ		PEQ		PEQ		PEQ		PEQ	PEQ	High Shelf
Filter 5 Freq. (Hz)		8000		4300		9350		3500		7200	1100	8500
Filter 5 Level (dB)		2		-2		-2		-1.5		4	3	-3
Filter 5 Oct-B)		0.18		0.714		0.36		0.479		0.288	0.24	
Filter 5 Q		8		2		4		3		5	6	0.71
Filter 6 Type		PEQ		PEQ		PEQ		PEQ		PEQ		PEQ
Filter 6 Freq. (Hz)		12000		6800		11000		8600		11000		13000
Filter 6 Level (dB)		-6.5		0.5		-6		-1.5		-6		-2
Filter 6 Oct-B)		0.714		0.573		0.573		0.479		1.388		0.206
Filter 6 Q		2		2.5		2.5		3		1		7
Filter 7 Type												
Filter 7 Freq. (Hz)												
Filter 7 Level (dB)												
Filter 7 Oct-B)												
Filter 7 Q												



I SERIES IP8-1153 (Biamp & Triamp)

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

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Model	IP8-1153-64		IP8-1153-66		IP8-1153-94		IP8-1153-64			IP8-1153-66			IP8-1153-94		
	Biamp Low	Biamp High	Biamp Low	Biamp High	Biamp Low	Biamp High	Triamp Low	Triamp Mid	Triamp High	Triamp Low	Triamp Mid	Triamp High	Triamp Low	Triamp Mid	Triamp High
HP Resp (Type,dB/Oct)	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 36	Butterworth 12	Butterworth 36	Butterworth 48	Butterworth 12	Butterworth 36	Butterworth 48	Butterworth 12	Butterworth 36	Butterworth 48
HP Frequency (Hz)	30	1200	30	1200	30	30	30	550	2900	30	550	3500	30	550	2900
LP Resp (Type,dB/Oct)	Butterworth 36		Butterworth 36		Butterworth 36		Butterworth 36	Butterworth 48		Butterworth 36	Butterworth 48		Butterworth 36	Butterworth 48	
HP Frequency (Hz)	500		500		500		500	2500		500	3500		500	2600	
Polarity														Inverted	
Delay	0.25		0.187		0.312		0.562			0.375	0.25		0.75		
Gain		-10		-11		-10.5		-8.5	-8		-11.5	-8		-10	-11
Filter 1 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 1 Freq. (Hz)	50	600	50	600	50	600	50	600	3000	50	650	3500	50	570	3400
Filter 1 Level (dB)	6	3	6	1.5	6	1.5	6	3.5	-4	6	2	2.5	6	-6.5	-5
Filter 1 Oct-B)	0.479	0.411	0.479	0.714	0.479	0.36	0.479	0.479	0.573	0.479	0.714	0.36	0.479	0.36	0.714
Filter 1 Q	3	3.5	3	2	3	4	3	3	2.5	3	2	4	3	4	2
Filter 2 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 2 Freq. (Hz)	365	1150	365	1300	370	1200	365	900	4200	365	1200	3900	365	1200	4900
Filter 2 Level (dB)	-6.5	-6	-6.5	-4	-6.5	-2	-6.5	-1	-9	-6.5	-2	-8	-6.5	-2	-0.5
Filter 2 Oct-B)	0.36	0.479	0.36	1.003	0.411	0.288	0.36	0.479	0.792	0.36	0.36	1.003	0.36	0.36	0.479
Filter 2 Q	4	3	4	1.41	3.5	5	4	3	1.8	4	4	1.41	4	4	3
Filter 3 Type		PEQ		PEQ		PEQ		PEQ	PEQ		PEQ	PEQ		PEQ	PEQ
Filter 3 Freq. (Hz)		2100		2100		2000		1150	8500		1950	7500		1900	9000
Filter 3 Level (dB)		-5		-3		-2		-5	-3.5		-4.5	3.5		-4.5	-1
Filter 3 Oct-B)		1.003		0.714		0.479		0.479	0.714		0.714	0.479		0.573	0.479
Filter 3 Q		1.41		2		3		3	2		2	3		2.5	3
Filter 4 Type		PEQ		PEQ		Low Shelf		PEQ	PEQ		PEQ	PEQ		PEQ	PEQ
Filter 4 Freq. (Hz)		3200		3200		3000		2000	11500		3000	11500		2700	11200
Filter 4 Level (dB)		1		1		-1.5		-7.5	2		2	-8		4	2
Filter 4 Oct-B)		0.24		0.479		0.71		0.714	0.206		0.36	0.714		0.36	0.18
Filter 4 Q		6		3		0.71		2	7		4	2		4	8
Filter 5 Type		PEQ		PEQ		PEQ		PEQ	PEQ		PEQ			PEQ	PEQ
Filter 5 Freq. (Hz)		4800		4800		3100		2800	13200		7500			7500	13000
Filter 5 Level (dB)		-6		-3		4		-2	-8		-20			-20	-2.5
Filter 5 Oct-B)		0.36		0.36		0.16		0.288	0.32		0.36			0.36	0.206
Filter 5 Q		4		4		9		5	4.5		4			4	7
Filter 6 Type		PEQ		PEQ		PEQ		PEQ							
Filter 6 Freq. (Hz)		8500		7300		5000		7500							
Filter 6 Level (dB)		-3		3		-2		-20							
Filter 6 Oct-B)		0.714		0.479		0.288		0.36							
Filter 6 Q		2		3		5		4							
Filter 7 Type		PEQ		PEQ		PEQ		PEQ						PEQ	PEQ
Filter 7 Freq. (Hz)		11500		11800		9200		2800						7500	13000
Filter 7 Level (dB)		2		-6		-1.5		-2						-20	-2.5
Filter 7 Oct-B)		0.18		0.714		0.288		0.288						0.36	0.206
Filter 7 Q		8		2		5		5						4	7
Filter 8 Type		PEQ		PEQ		PEQ		PEQ						PEQ	PEQ
Filter 8 Freq. (Hz)		13000				13200		2800						7500	13000
Filter 8 Level (dB)		-6				-2		-2						-20	-2.5
Filter 8 Oct-B)		0.24				0.18		0.36						0.36	0.206
Filter 8 Q		6				8		4						4	7