



I SERIES (IP6 Passive)

Factory-recommended Initial Correction Equalization and Protective High Pass Filter Settings (IIR)

Revised 7-30-2015

Model	IP6-1122-26	IP6-1122-64	IP6-1122-66	IP6-1122-94	IP6-1122-96	IP6-1122-99	IP6-1152-26	IP6-1152-64	IP6-1152-66	IP6-1152-94	IP6-1152-96	IP6-1152-99
	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive
HP Resp (Type,dB/Oct)	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB	BW12dB
HP Frequency (Hz)	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	40 Hz	40 Hz	40 Hz	40 Hz	40 Hz	40 Hz
Filter 1 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 1 Freq. (Hz)	85	85	85	85	85	85	60	60	60	60	60	60
Filter 1 Oct-BW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Filter 1 Level (dB)	4	4	4	4	4	4	3	4	4	4	4	4
Filter 2 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 2 Freq. (Hz)	60	60	60	60	60	60	100	100	100	100	100	100
Filter 2 Oct-BW	0.36	0.36	0.36	0.36	0.36	0.36	0.573	0.573	0.573	0.573	0.573	0.573
Filter 2 Level (dB)	5	5	5	5	5	5	2	2	2	2	2	2
Filter 3 Type	High Shelf	PEQ	PEQ	PEQ	High Shelf	PEQ	High Shelf	High Shelf	High Shelf	High Shelf	High Shelf	High Shelf
Filter 3 Freq. (Hz)	180	560	13000	1700	1500	1500	200	200	200	200	200	200
Filter 3 Oct-BW	Q=.71	0.288	0.36	0.36	Q=.71	0.411	Q=.71	Q=.71	Q=.71	Q=.71	Q=.71	Q=.71
Filter 3 Level (dB)	-1.5	-3	-9	2	3	5	-1	-1	-1	-1	-1	-1
Filter 4 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	High Shelf
Filter 4 Freq. (Hz)	4000	1650	1500	12100	7500	2600	235	240	235	1600	7500	1100
Filter 4 Oct-BW	0.18	0.36	0.36	0.24	0.288	0.36	0.36	0.36	0.36	1.388	0.24	Q=.71
Filter 4 Level (dB)	2	3	3	-6	2.5	-1	-1	-2.5	-2	2.5	5	3
Filter 5 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 5 Freq. (Hz)	1400	3500	3400	4400	3150	4200	1500	610	3100	12000	10000	235
Filter 5 Oct-BW	0.24	0.288	0.36	0.288	0.288	0.479	0.479	0.36	0.714	0.24	0.411	0.288
Filter 5 Level (dB)	5	-2.5	-2	3	-1.5	1	-1	-3	-3	-4	-2	-1
Filter 6 Type	PEQ	High Shelf	High Shelf	High Shelf	High Shelf	High Shelf	PEQ	High Shelf	PEQ	PEQ	PEQ	PEQ
Filter 6 Freq. (Hz)	2100	180	180	180	180	180	2100	2000	7300	4400	1400	645
Filter 6 Oct-BW	0.24	Q=.71	Q=.71	Q=.71	Q=.71	Q=.71	0.24	Q=.71	0.36	0.479	0.288	0.24
Filter 6 Level (dB)	5	-1.5	-1.5	-1.5	-1.5	-1.5	2	-3	6	3	-2	-3
Filter 7 Type	PEQ	High Shelf	PEQ	PEQ	High Shelf	High Shelf	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 7 Freq. (Hz)	8000	900	570	3300	5500	3200	2700	3500	13500	230	4500	955
Filter 7 Oct-BW	0.36	Q=.71	0.288	0.479	Q=.71	Q=.71	0.288	0.288	0.36	0.479	0.479	0.24
Filter 7 Level (dB)	5	-1.5	-2	-1	-2	2	-2	-2	-4	-1.5	1.5	-3
Filter 8 Type	PEQ	PEQ	High Shelf	PEQ			PEQ	PEQ	High Shelf	High Shelf	PEQ	PEQ
Filter 8 Freq. (Hz)	12000	250	5000	8300			11000	11000	6000	1200	235	2550
Filter 8 Oct-BW	0.206	0.479	Q=.71	0.288			0.479	0.36	Q=.71	Q=.71	0.36	0.36
Filter 8 Level (dB)	-3	-1.5	3	-1			-3	-1	-5	-1.5	-2	-4
Filter 9 Type	PEQ	PEQ	PEQ				PEQ		PEQ	PEQ	High Shelf	PEQ
Filter 9 Freq. (Hz)	800	4400	9400				3900		620	2950	2500	9000
Filter 9 Oct-BW	0.288	0.36	0.36				0.206		0.479	0.479	Q=.71	0.714
Filter 9 Level (dB)	-1.5	1.5	-3				2		-1.5	-2	-3	-3
Filter 10 Type	PEQ						PEQ				PEQ	PEQ
Filter 10 Freq. (Hz)	570						7900				650	6000
Filter 10 Oct-BW	0.288						0.288				0.288	0.714
Filter 10 Level (dB)	-2						2				-2	-1



I SERIES (IP6-1122 Biamp) Factory recommended initial correction equalization and high pass filter settings (IIR)

Revised 9-2-2016

Model	IP6-1122-26		IP6-1122-64		IP6-1122-66		IP6-1122-94		IP6-1122-96		IP6-1122-99	
	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 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48
HP Frequency (Hz)	45	1800	45	1200	45	1200	45	1800	45	1100	45	1600
LP Resp (Type,dB/Oct)	Butterworth 48		Butterworth 48		Butterworth 48		Butterworth 48		Butterworth 48		Butterworth 48	
HP Frequency (Hz)	1600		1200		1200		1600		1000		1500	
Polarity												
Delay	0.146		0.687				0.5		0.104		0.104	
Gain												
		-2		-7.5		-4.5		-6.5		-3		-4
Filter 1 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	Low Shelf	PEQ	PEQ	PEQ	PEQ
Filter 1 Freq. (Hz)	60	1600	60	1500	60	1300	60	4000	60	1400	60	1600
Filter 1 Level (dB)	5	-12	5	2	5	2	5	-7	5	-2	5	3
Filter 1 Oct-B)	0.36	1.388	0.36	0.24	0.36	0.479	0.36		0.36	0.24	0.36	0.573
Filter 1 Q	4	1	4	6	4	3	4	0.71	4	6	4	2.5
Filter 2 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 2 Freq. (Hz)	85	2100	85	2200	85	2700	85	4900	85	1900	85	2400
Filter 2 Level (dB)	4	6	4	-2	4	-3	4	1.5	4	-11	4	-8
Filter 2 Oct-B)	1.003	0.288	1.003	0.411	1.003	1.388	1.003	0.36	1.003	1.388	1.003	0.288
Filter 2 Q	1.41	5	1.41	3.5	1.41	1	1.41	4	1.41	1	1.41	5
Filter 3 Type	High Shelf	PEQ	High Shelf	PEQ	High Shelf	Low Shelf	High Shelf	PEQ	High Shelf	PEQ	High Shelf	PEQ
Filter 3 Freq. (Hz)	180	2550	180	3700	180	5000	180	10000	180	3100	180	3600
Filter 3 Level (dB)	-2	-3	-2	-2	-2	-10	-2	2	-2	-1	-2	-1
Filter 3 Oct-B)		0.24		0.36				0.206		0.36		0.479
Filter 3 Q	0.71	6	0.71	4	0.71	0.71	0.71	7	0.71	4	0.71	3
Filter 4 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	High Shelf	PEQ	Low Shelf
Filter 4 Freq. (Hz)	550	3500	460	5000	570	5500	565	12100	560	4500	1350	4000
Filter 4 Level (dB)	-1	0.5	1	-8	-3	2	-1	-5	-1	1	2	-6
Filter 4 Oct-B)	0.36		0.36		0.206	0.714	0.24	0.206	0.36		0.36	
Filter 4 Q	4	0.71	4	0.71	7	2	6	7	4	0.71	4	0.71
Filter 5 Type		PEQ	PEQ	PEQ	PEQ	PEQ	PEQ			PEQ		PEQ
Filter 5 Freq. (Hz)		3500	570	13000	830	7400	1250			7300		6000
Filter 5 Level (dB)		-4	-2.5	4	-1.5	3	2			4		2
Filter 5 Oct-B)		0.206	0.288	0.36	0.479	0.479	0.288			0.288		1.388
Filter 5 Q		7	5	4	3	3	5			5		1
Filter 6 Type		PEQ	PEQ		PEQ	High Shelf				PEQ		
Filter 6 Freq. (Hz)		5000	700		1100	8500				11000		
Filter 6 Level (dB)		-2	-1		2	-1				-3		
Filter 6 Oct-B)		0.36	0.714		0.36					1.003		
Filter 6 Q		4	2		4	0.71				1.41		
Filter 7 Type		PEQ	PEQ			PEQ						
Filter 7 Freq. (Hz)		8000	1200			9500						
Filter 7 Level (dB)		3	2			-2						
Filter 7 Oct-B)		0.288	0.36			0.288						
Filter 7 Q		5	4			5						
Filter 8 Type		PEQ				PEQ						
Filter 8 Freq. (Hz)		12000				13500						
Filter 8 Level (dB)		-5				-9						
Filter 8 Oct-B)		0.288				0.479						
Filter 8 Q		5				3						



I SERIES (IP6-1152 Biamp) Factory recommended initial correction equalization and high pass filter settings (IIR)

Revised 9-2-2016

Model	IP6-1152-26		IP6-1152-64		IP6-1152-66		IP6-1152-94		IP6-1152-96		IP6-1152-99	
	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 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48	Butterworth 12	Butterworth 48
HP Frequency (Hz)	40	1100	40	1000	40	1100	40	1100	40	1100	40	1100
LP Resp (Type,dB/Oct)	Butterworth 48		Butterworth 48		Butterworth 48		Butterworth 48		Butterworth 48		Butterworth 48	
HP Frequency (Hz)	950		900		1100		900		1100		1100	
Polarity		Inverted		Inverted		Inverted		Inverted		Inverted		Inverted
Delay	0.354		0.479		0.271		0.5		0.521		0.458	
Gain		-4.5		-9		-5		-7		-5		
Filter 1 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 1 Freq. (Hz)	60	1100	60	1250	60	1900	60	2200	60	1100	60	1150
Filter 1 Level (dB)	3	3	3	3	3	-3	3	-2	3	3	3	3
Filter 1 Oct-B)	1.003	0.288	1.003	0.333	1.003	0.479	1.003	0.288	1.003	0.288	1.003	0.288
Filter 1 Q	1.41	5	1.41	4.32	1.41	3	1.41	5	1.41	5	1.41	5
Filter 2 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 2 Freq. (Hz)	100	1500	100	1800	100	3100	100	2900	100	1900	100	1450
Filter 2 Level (dB)	2	-3	2	-2	2	-3	2	-2	2	-5	2	2
Filter 2 Oct-B)	0.573	0.24	0.573	0.36	0.573	0.714	0.573	0.479	0.573	1.388	0.573	0.36
Filter 2 Q	2.5	6	2.5	4	2.5	2	2.5	3	2.5	1	2.5	4
Filter 3 Type	High Shelf	PEQ	High Shelf	PEQ	High Shelf	Low Shelf	High Shelf	Low Shelf	High Shelf	PEQ	High Shelf	PEQ
Filter 3 Freq. (Hz)	200	2050	200	2300	200	4500	200	3500	200	3000	200	2400
Filter 3 Level (dB)	-2	4	-2	-3	-2	-9	-2	-6	-2	-1	-2	-9
Filter 3 Oct-B)		0.24		0.288						0.288		0.36
Filter 3 Q	0.71	6	0.71	5	0.71	0.71	0.71	0.71	0.71	5	0.71	4
Filter 4 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	Low Shelf	PEQ	Low Shelf
Filter 4 Freq. (Hz)	235	2600	240	3500	620	7300	600	10000	235	4500	235	4500
Filter 4 Level (dB)	-1	-1.5	-2	-1	-2	6	-2	2	-1	-5	-1	-6
Filter 4 Oct-B)	0.36	1.003	0.36	1.388	0.36	0.36	0.36	0.206	0.36		0.288	
Filter 4 Q	4	1.41	4	1	4	4	4	7	4	0.71	5	0.71
Filter 5 Type	PEQ	PEQ	PEQ	PEQ	PEQ	High Shelf	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Filter 5 Freq. (Hz)	650	3900	610	3600	1100	7500	1000	12000	640	5000	645	6000
Filter 5 Level (dB)	-3	4	-4	-4	3	-4	4	-3	-2.5	1	-3	-1
Filter 5 Oct-B)	0.36	0.36	0.36	0.36	0.36		0.36	0.206	0.479	0.479	0.24	0.714
Filter 5 Q	4	4	4	4	4	0.71	4	7	3	3	6	2
Filter 6 Type	PEQ	Low Shelf	PEQ	Low Shelf		PEQ			PEQ	PEQ	PEQ	PEQ
Filter 6 Freq. (Hz)	800	5500	900	4500		13500			810	7500	815	6700
Filter 6 Level (dB)	2	-8	3	-5		-4			2	5	2	2
Filter 6 Oct-B)	0.288		0.288			0.36			0.24	0.24	0.24	0.714
Filter 6 Q	5	0.71	5	0.71		4			6	6	6	2
Filter 7 Type		PEQ		PEQ						PEQ	PEQ	PEQ
Filter 7 Freq. (Hz)		7000		7600						10000	900	9000
Filter 7 Level (dB)		5		2						-2.5	-2	-3
Filter 7 Oct-B)		0.479		0.24						0.411	0.288	0.714
Filter 7 Q		3		6						3.5	5	2
Filter 8 Type		PEQ										
Filter 8 Freq. (Hz)		11500										
Filter 8 Level (dB)		-3										
Filter 8 Oct-B)		0.36										
Filter 8 Q		4										