

Processor settings CZR bi-amp no sub

Categories		2-way Loudspeaker					
Model Name		CZR15		CZR12		CZR10	
DME library file name		CZR15_bi.cel		CZR12_bi.cel		CZR10_bi.cel	
Drive Mode		Biamp		Biamp		Biamp	
Output Name		Low	High	Low	High	Low	High
Gain	(dB)	0.0	-2.5	0.0	-2.5	0.0	-4.5
Delay	(ms)	none	0.04	none	0.15	none	0.20
Polarity		Normal	Inverted	Normal	Inverted	Normal	Inverted
HPF	Freq (Hz)	33.5	1,730	37.5	2,000	48.7	1,900
	Slope (dB)	24	24	24	24	24	24
	Type	Butterworth	L-R	Butterworth	L-R	Butterworth	L-R
LPF	Freq (Hz)	1,800		1,900		1,900	
	Slope (dB)	24		24		24	
	Type	Butterworth		Butterworth		Butterworth	
PEQ1	Freq (Hz)	56	850	75	1,320	85	1,600
	Level (dB)	8.0	-3.0	9.0	4.0	8.5	3.0
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	1.0	3.2	1.4	3.5	1.2	4.0
	Bandwidth	1.388	0.449	1.010	0.411	1.170	0.360
PEQ2	Freq (Hz)	475	1,540	180	2,180	170	2,650
	Level (dB)	-2.0	4.0	1.5	-6.5	3.5	-7.0
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	1.0	3.5	2.5	2.5	2.0	2.2
	Bandwidth	1.388	0.411	0.573	0.573	0.714	0.650
PEQ3	Freq (Hz)	2,120	2,500	500	3,870	460	5,000
	Level (dB)	-3.0	-7.0	-2.0	-6.0	-1.5	-3.5
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	3.2	1.5	1.0	2.0	1.2	1.3
	Bandwidth	0.449	0.945	1.388	0.714	1.170	1.084
PEQ4	Freq (Hz)		4,750	1,370	8,660	1,730	16,000
	Level (dB)		-3.5	4.5	-1.0	2.5	-2.0
	Type		Bell	Bell	Bell	Bell	Bell
	Q		3.0	3.0	4.5	3.5	4.5
	Bandwidth		0.479	0.479	0.320	0.411	0.320
PEQ5	Freq (Hz)		16,000	2,440	16,000	2,590	
	Level (dB)		-2.0	-6.0	-3.0	-3.0	
	Type		Bell	Bell	Bell	Bell	
	Q		4.5	3.0	4.5	3.3	
	Bandwidth		0.320	0.479	0.320	0.436	
PEQ6	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
Limitter	Threshold	800W	100W	800W	100W	700W	100W
	Attack	MID	MID	MID	MID	MID	MID
	Release	MID	MID	MID	MID	MID	MID

Processor settings CZR bi-amp with sub

Categories		2-way Loudspeaker					
Model Name		CZR15		CZR12		CZR10	
DME library file name		CZR15_bi_sub.cel		CZR12_bi_sub.cel		CZR10_bi_sub.cel	
Drive Mode		Biamp		Biamp		Biamp	
Output Name		Low	High	Low	High	Low	High
Gain	(dB)	0.0	-2.5	0.0	-2.5	0.0	-4.5
Delay	(ms)	none	0.04	none	0.15	none	0.20
Polarity		Normal	Inverted	Normal	Inverted	Normal	Inverted
HPF	Freq (Hz)	80.0	1,730	100.0	2,000	122.0	1,900
	Slope (dB)	24	24	24	24	24	24
	Type	Butterworth	L-R	Butterworth	L-R	Butterworth	L-R
LPF	Freq (Hz)	1,800		1,900		1,900	
	Slope (dB)	24		24		24	
	Type	Butterworth		Butterworth		Butterworth	
PEQ1	Freq (Hz)	56	850	75	1,320	85	1,600
	Level (dB)	8.0	-3.0	9.0	4.0	8.5	3.0
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	1.0	3.2	1.4	3.5	1.2	4.0
	Bandwidth	1.388	0.449	1.010	0.411	1.170	0.360
PEQ2	Freq (Hz)	475	1,540	180	2,180	170	2,650
	Level (dB)	-2.0	4.0	1.5	-6.5	3.5	-7.0
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	1.0	3.5	2.5	2.5	2.0	2.2
	Bandwidth	1.388	0.411	0.573	0.573	0.714	0.650
PEQ3	Freq (Hz)	2,120	2,500	500	3,870	460	5,000
	Level (dB)	-3.0	-7.0	-2.0	-6.0	-1.5	-3.5
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	3.2	1.5	1.0	2.0	1.2	1.3
	Bandwidth	0.449	0.945	1.388	0.714	1.170	1.084
PEQ4	Freq (Hz)		4,750	1,370	8,660	1,730	16,000
	Level (dB)		-3.5	4.5	-1.0	2.5	-2.0
	Type		Bell	Bell	Bell	Bell	Bell
	Q		3.0	3.0	4.5	3.5	4.5
	Bandwidth		0.479	0.479	0.320	0.411	0.320
PEQ5	Freq (Hz)		16,000	2,440	16,000	2,590	
	Level (dB)		-2.0	-6.0	-3.0	-3.0	
	Type		Bell	Bell	Bell	Bell	
	Q		4.5	3.0	4.5	3.3	
	Bandwidth		0.320	0.479	0.320	0.436	
PEQ6	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
Limiter	Threshold	800W	100W	800W	100W	700W	100W
	Attack	MID	MID	MID	MID	MID	MID
	Release	MID	MID	MID	MID	MID	MID

Processor settings CZR passive no sub

Categories		2-way Loudspeaker					
Model Name		CZR15	CZR12	CZR10	CZR15	CZR12	CZR10
DME library file name		CZR15_pa.cel	CZR12_pa.cel	CZR10_pa.cel	CZR15_pa_foh.cel	CZR12_pa_foh.cel	CZR10_pa_foh.cel
Drive Mode		Passive	Passive	Passive	Passive	Passive	Passive
Output Name		Full-range	Full-range	Full-range	Full-range	Full-range	Full-range
Gain	(dB)	0.0	0.0	0.0	0.0	0.0	0.0
Delay	(ms)	none	none	none	none	none	none
Polarity		Normal	Normal	Normal	Normal	Normal	Normal
HPF	Freq (Hz)	33.5	42.5	53.0	33.5	42.5	53.0
	Slope (dB)	24	24	24	24	24	24
	Type	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)						
	Slope (dB)						
	Type						
PEQ1	Freq (Hz)	42.5	75.0	85.0	42.5	64.9	71.0
	Level (dB)	8.5	8.5	9.5	9.5	15.0	13.0
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	1.1	1.7	1.3	1.1	1.5	1.3
	Bandwidth	1.270	0.837	1.084	1.270	0.945	1.084
PEQ2	Freq (Hz)	375	400	750	64.9	400	750
	Level (dB)	-1.0	-2.8	1.2	3.5	-2.8	1.2
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	2.0	3.8	3.5	1.3	3.8	3.5
	Bandwidth	0.714	0.379	0.411	1.084	0.379	0.411
PEQ3	Freq (Hz)	1700	2180	1830	375	2180	1830
	Level (dB)	1.6	-1.2	2.8	-1.0	-1.2	2.8
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	3.0	4.7	5.0	2.0	4.7	5.0
	Bandwidth	0.479	0.306	0.288	0.714	0.306	0.288
PEQ4	Freq (Hz)	4,870	3,550	2,650	1700	3,550	2,650
	Level (dB)	-3.7	-1.2	-1.8	1.6	-1.2	-1.8
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	1.8	3.5	5.0	3.0	3.5	5.0
	Bandwidth	0.792	0.411	0.288	0.479	0.411	0.288
PEQ5	Freq (Hz)	9,500	8,500	9,500	4,870	8,500	9,500
	Level (dB)	-1.5	-1.8	-2.7	-3.7	-1.8	-1.5
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	3.2	3.5	3.5	1.8	3.5	3.5
	Bandwidth	0.449	0.411	0.411	0.792	0.411	0.411
PEQ6	Freq (Hz)	16,000	16,000	16,000	16,000	16,000	16,000
	Level (dB)	-5.0	-4.0	-4.0	-5.0	-4.00	-4.00
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	3.0	3.0	3.0	3.0	3.0	3.0
	Bandwidth	0.479	0.479	0.479	0.479	0.479	0.479
Limiter	Threshold	800W	800W	700W	800W	800W	700W
	Attack	MID	MID	MID	MID	MID	MID
	Release	MID	MID	MID	MID	MID	MID

Processor settings CZR passive with sub

Categories		2-way Loudspeaker		
Model Name		CZR15	CZR12	CZR10
DME library file name		CZR15_pa_sub.cel	CZR12_pa_sub.cel	CZR10_pa_sub.cel
Drive Mode		Passive	Passive	Passive
Output Name		Full-range	Full-range	Full-range
Gain	(dB)	0.0	0.0	0.0
Delay	(ms)	none	none	none
Polarity		Normal	Normal	Normal
HPF	Freq (Hz)	80.0	100.0	122.0
	Slope (dB)	24	24	24
	Type	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)			
	Slope (dB)			
	Type			
PEQ1	Freq (Hz)	42.5	75.0	85.0
	Level (dB)	8.5	8.5	9.5
	Type	Bell	Bell	Bell
	Q	1.1	1.7	1.3
	Bandwidth	1.270	0.837	1.084
PEQ2	Freq (Hz)	375	400	750
	Level (dB)	-1.0	-2.8	1.2
	Type	Bell	Bell	Bell
	Q	2.0	3.8	3.5
	Bandwidth	0.714	0.379	0.411
PEQ3	Freq (Hz)	1700	2180	1830
	Level (dB)	1.6	-1.2	2.8
	Type	Bell	Bell	Bell
	Q	3.0	4.7	5.0
	Bandwidth	0.479	0.306	0.288
PEQ4	Freq (Hz)	4,870	3,550	2,650
	Level (dB)	-3.7	-1.2	-1.8
	Type	Bell	Bell	Bell
	Q	1.8	3.5	5.0
	Bandwidth	0.792	0.411	0.288
PEQ5	Freq (Hz)	9,500	8,500	9,500
	Level (dB)	-1.5	-1.8	-2.7
	Type	Bell	Bell	Bell
	Q	3.2	3.5	3.5
	Bandwidth	0.449	0.411	0.411
PEQ6	Freq (Hz)	16,000	16,000	16,000
	Level (dB)	-5.0	-4.0	-4.0
	Type	Bell	Bell	Bell
	Q	3.0	3.0	3.0
	Bandwidth	0.479	0.479	0.479
Limiters	Threshold	800W	800W	700W
	Attack	MID	MID	MID
	Release	MID	MID	MID

Processor settings CZR Floor Monitor

Categories		2-way Loudspeaker		
Model Name		CZR15	CZR12	CZR10
DME library file name		CZR15_pa_moni.cel	CZR12_pa_moni.cel	CZR10_pa_moni.cel
Drive Mode		Passive	Passive	Passive
Output Name		Full-range	Full-range	Full-range
Gain	(dB)	0.0	0.0	0.0
Delay	(ms)	none	none	none
Polarity		Normal	Normal	Normal
HPF	Freq (Hz)	47.5	57.9	64.9
	Slope (dB)	24	24	24
	Type	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)			
	Slope (dB)			
	Type			
PEQ1	Freq (Hz)	42.5	91.7	80.0
	Level (dB)	6.0	5.4	9.0
	Type	Bell	Bell	Bell
	Q	1.1	1.0	1.3
	Bandwidth	1.270	1.388	1.084
PEQ2	Freq (Hz)	218	244	236
	Level (dB)	3.5	2.0	4.0
	Type	Bell	Bell	Bell
	Q	2.0	3.3	3.0
	Bandwidth	0.714	0.436	0.479
PEQ3	Freq (Hz)	516	434	1900
	Level (dB)	-1.3	-1.7	2.6
	Type	Bell	Bell	Bell
	Q	1.5	2.1	4.5
	Bandwidth	0.945	0.681	0.320
PEQ4	Freq (Hz)	2,500	1,830	3,870
	Level (dB)	3.0	-1.5	3.0
	Type	Bell	Bell	Bell
	Q	2.5	4.2	4.2
	Bandwidth	0.573	0.343	0.343
PEQ5	Freq (Hz)	5,790	2,900	9,000
	Level (dB)	-3.0	3.9	-3.0
	Type	Bell	Bell	Bell
	Q	1.2	5.0	2.7
	Bandwidth	1.170	0.288	0.531
PEQ6	Freq (Hz)	13,700	13,000	14,500
	Level (dB)	-6.5	-4.8	-3.5
	Type	Bell	Bell	Bell
	Q	1.5	1.25	1.7
	Bandwidth	0.945	1.125	0.837
Limitter	Threshold	800W	800W	700W
	Attack	MID	MID	MID
	Release	MID	MID	MID

Processor settings CXS18XLF

Categories		Subwoofer						
Model Name		CXS18XLF	CXS18XLF	CXS18XLF	CXS18XLF	CXS18XLF	CXS18XLF	
DME library file name		CXS18X.cel	CXS18X_boost.cel	CXS18X_XTD.cel	CXS18X_w_CZR15.cel	CXS18X_w_CZR12.cel	CXS18X_Cardio.cel	
Drive Mode		-	-	-	-	-	-	
Output Name		Sub	Sub	Sub	Sub	Sub	Sub	
Gain	NOTE:	Gain structure will change depending on configuration. Typically the subwoofers are 3dB ~ 9dB louder than main speakers acoustically.						
	(dB)	0.0	0.0	0.0	0.0	0.0	-4.0	
Delay	(ms)	none	none	none	2.40	2.00	3.90	
Polarity		Normal	Normal	Normal	Normal	Normal	Inverted	
HPF	Freq (Hz)	25.0	25.0	25.0	25.0	25.0	25.0	
	Slope (dB)	24	24	24	24	24	24	
	Shape	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	
LPF	Freq (Hz)	122	122	122	80	100	122	
	Slope (dB)	24	24	24	24	24	24	
	Shape	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	
PEQ1	Freq (Hz)	40.0	40.0	30.0	40.0	40.0	40.0	
	Level (dB)	5.0	5.0	7.0	5.0	5.0	5.0	
	Type	Bell	Bell	Bell	Bell	Bell	Bell	
	Q	2.0	2.0	2.5	2.0	2.0	2.0	
	Bandwidth	0.714	0.714	0.573	0.714	0.714	0.714	
	PEQ2	Freq (Hz)	54.6	54.6	40.0	54.6	54.6	54.6
PEQ2	Level (dB)	0.5	5.5	5.0	0.5	0.5	0.5	
	Type	Bell	Bell	Bell	Bell	Bell	Bell	
	Q	3.0	3.5	2.0	3.0	3.0	3.0	
	Bandwidth	0.479	0.411	0.714	0.479	0.479	0.479	
	PEQ3	Freq (Hz)	71	71	54.6	71	71	71
	PEQ3	Level (dB)	3.0	3.0	0.5	3.0	3.0	3.0
Type		Bell	Bell	Bell	Bell	Bell	Bell	
Q		1.5	1.5	3.0	1.5	1.5	1.5	
Bandwidth		0.945	0.945	0.479	0.945	0.945	0.945	
PEQ4		Freq (Hz)			71			
PEQ4		Level (dB)			3.0			
	Type			Bell				
	Q			1.5				
	Bandwidth			0.945				
	PEQ5	Freq (Hz)						
	PEQ5	Level (dB)						
Type								
Q								
Bandwidth								
PEQ6		Freq (Hz)						
PEQ6		Level (dB)						
	Type							
	Q							
	Bandwidth							
	Limiter	Threshold	1000W	1000W	1000W	1000W	1000W	1000W
		Attack	MID	MID	MID	MID	MID	MID
Release		MID	MID	MID	MID	MID	MID	

Processor settings CX515XLF

Categories		Subwoofer				
Model Name		CXS15XLF	CXS15XLF	CXS15XLF	CXS15XLF	CXS15XLF
DME library file name		CXS15X.cel	CXS15X_boost.cel	CXS15X_XTD.cel	CXS15X_w_CZR10.cel	CXS15X_Cardio.cel
Drive Mode		-	-	-	-	-
Output Name		Sub	Sub	Sub	Sub	Sub
Gain	NOTE:					
	(dB)	0.0	0.0	0.0	0.0	-3.5
Delay	(ms)	none	none	none	1.50	3.30
Polarity		Normal	Normal	Normal	Normal	Inverted
HPF	Freq (Hz)	35.5	35.5	30.0	35.5	35.5
	Slope (dB)	24	24	24	24	24
	Shape	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)	122	122	122	122	122
	Slope (dB)	24	24	24	24	24
	Shape	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
PEQ1	Freq (Hz)	45.0	45.0	34.5	45.0	45.0
	Level (dB)	5.0	5.0	6.0	5.0	5.0
	Type	Bell	Bell	Bell	Bell	Bell
	Q	2.0	2.0	4.0	2.0	2.0
	Bandwidth	0.714	0.714	0.360	0.714	0.714
PEQ2	Freq (Hz)	60	60	45.0	60	60
	Level (dB)	2.0	8.0	5.0	2.0	2.0
	Type	Bell	Bell	Bell	Bell	Bell
	Q	3.0	2.5	2.0	3.0	3.0
	Bandwidth	0.479	0.573	0.714	0.479	0.479
PEQ3	Freq (Hz)	90	90	60	90	90
	Level (dB)	2.0	2.0	2.0	2.0	2.0
	Type	Bell	Bell	Bell	Bell	Bell
	Q	2.0	2.0	3.0	2.0	2.0
	Bandwidth	0.714	0.714	0.479	0.714	0.714
PEQ4	Freq (Hz)			90		
	Level (dB)			2.0		
	Type			Bell		
	Q			2.0		
	Bandwidth			0.714		
PEQ5	Freq (Hz)					
	Level (dB)					
	Type					
	Q					
	Bandwidth					
PEQ6	Freq (Hz)					
	Level (dB)					
	Type					
	Q					
	Bandwidth					
Limiter	Threshold	800W	800W	800W	800W	800W
	Attack	MID	MID	MID	MID	MID
	Release	MID	MID	MID	MID	MID