

Processor Settings IF2115 bi-amp no sub

Categories		High Power 2-way Loudspeaker with 1x15" LF Driver and Rotatable Horn							
Model Name		IF2115/64		IF2115/95		IF2115/99		IF2115/AS	
DME library file name		IF211564_bi.cel		IF211595_bi.cel		IF211599_bi.cel		IF2115AS_bi.cel	
Drive Mode		Biamp		Biamp		Biamp		Biamp	
Output Name		Low	High	Low	High	Low	High	Low	High
Gain	(dB)	0.00	-5.00	0.00	-3.60	0.00	-5.40	0.00	-5.40
Delay	(ms)	none	none	none	none	none	none	none	none
Polarity		Normal	Inverted	Normal	Inverted	Normal	Inverted	Normal	Inverted
HPF	Freq (Hz)	35.5	1,450	35.5	1,600	35.5	2,360	35.5	1,830
	Slope (dB)	24	18	24	18	24	12	24	12
	Type	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	L-R
LPF	Freq (Hz)	850		900		1,000		1,000	
	Slope (dB)	18		18		18		18	
	Type	Butterworth		Butterworth		Butterworth		Butterworth	
PEQ1	Freq (Hz)	150	2,800	150	2,650	150	3,250	274	3,650
	Level (dB)	2.40	-7.40	2.40	-8.00	2.40	-4.4	-2.60	-2.00
	Type	L. Shelf 12dB	Bell	L. Shelf 12dB	Bell	L. Shelf 12dB	Bell	Bell	Bell
	Q		0.9		1.0		2.7	7.0	1.9
	Bandwidth		1.530		1.388		0.531	0.206	0.751
PEQ2	Freq (Hz)	560	16,000	560	16,000	560	16,000	560	16,000
	Level (dB)	-1.00	-5.00	-1.00	-5.00	-1.00	-5.00	-1.00	-5.00
	Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell
	Q	4.7	14.0	4.7	14.0	4.7	14.0	4.7	14.0
	Bandwidth	0.306	0.103	0.306	0.103	0.306	0.103	0.306	0.103
PEQ3	Freq (Hz)								
	Level (dB)								
	Type								
	Q								
	Bandwidth								
PEQ4	Freq (Hz)								
	Level (dB)								
	Type								
	Q								
	Bandwidth								
PEQ5	Freq (Hz)								
	Level (dB)								
	Type								
	Q								
	Bandwidth								
PEQ6	Freq (Hz)								
	Level (dB)								
	Type								
	Q								
	Bandwidth								

Note : To use IF2115 with subwoofer, HPF for LF @90Hz 48dB Butterworth and do not use PEQ1 for 64/95/99

Processor settings IF2115 passive no sub

Categories		High Power 2-way Loudspeaker with 1x15" LF Driver and Rotatable Horn			
Model Name		IF2115/64	IF2115/95	IF2115/99	IF2115/AS
DME library file name		IF211564_pa.cel	IF211595_pa.cel	IF211599_pa.cel	IF2115AS_pa.cel
Drive Mode		Passive	Passive	Passive	Passive
Output Name		Full-range	Full-range	Full-range	Full-range
Gain	(dB)	0.00	0.00	0.00	0.00
Delay	(ms)	none	none	none	none
Polarity		Normal	Normal	Normal	Normal
HPF	Freq (Hz)	35.5	35.5	35.5	35.5
	Slope (dB)	24	24	24	24
	Type	Butterworth	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)				
	Slope (dB)				
	Type				
PEQ1	Freq (Hz)	63	63	63	63
	Level (dB)	1.50	1.50	1.50	1.50
	Type	Bell	Bell	Bell	Bell
	Q	3.2	3.2	3.2	3.8
	Bandwidth	0.449	0.449	0.449	0.379
PEQ2	Freq (Hz)	560	560	560	274
	Level (dB)	-2.80	-2.50	-2.00	-2.50
	Type	Bell	Bell	Bell	Bell
	Q	4.2	4.2	4.2	5.0
	Bandwidth	0.343	0.343	0.343	0.288
PEQ3	Freq (Hz)	14,000	1,800	1,500	800
	Level (dB)	-2.50	-2.50	-2.00	-2.00
	Type	H.SHELF 12dB/Oct	Bell	Bell	Bell
	Q	-	4.2	4.5	3.8
	Bandwidth	-	0.343	0.320	0.379
PEQ4	Freq (Hz)		3,750	3,250	1,800
	Level (dB)		-3.00	-2.00	-1.50
	Type		Bell	Bell	Bell
	Q		3.8	3.2	4.2
	Bandwidth		0.379	0.449	0.343
PEQ5	Freq (Hz)		14,000	14,000	3,750
	Level (dB)		-4.00	-2.00	-2.00
	Type		H.SHELF 12dB/Oct	H.SHELF 12dB/Oct	Bell
	Q		-	-	3.8
	Bandwidth		-	-	0.379
PEQ6	Freq (Hz)				16,000
	Level (dB)				-5.00
	Type				Bell
	Q				14.0
	Bandwidth				0.103

Note : To use IF2115 with subwoofer, HPF for LF @90Hz 48dB Butterworth and do not use PEQ1

Note: Although the use of DSP processing is not mandatory for passive mode, the above DSP settings are recommended for optimal performance.

Processor settings IF2115 passive with sub

Categories		High Power 2-way Loudspeaker with 1x15" LF Driver and Rotatable Horn			
Model Name		IF2115/64	IF2115/95	IF2115/99	IF2115/AS
DME library file name		IF211564_pa_sub.cel	IF211595_pa_sub.cel	IF211599_pa_sub.cel	IF2115AS_pa_sub.cel
Drive Mode		Passive	Passive	Passive	Passive
Output Name		Full-range	Full-range	Full-range	Full-range
Gain	(dB)	0.00	0.00	0.00	0.00
Delay	(ms)	none	none	none	none
Polarity		Normal	Normal	Normal	Normal
HPF	Freq (Hz)	90.0	90.0	90.0	90.0
	Slope (dB)	48	48	48	48
	Type	Butterworth	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)				
	Slope (dB)				
	Type				
PEQ1	Freq (Hz)	560	560	560	274
	Level (dB)	-2.80	-2.50	-2.00	-2.50
	Type	Bell	Bell	Bell	Bell
	Q	4.2	4.2	4.2	5.0
	Bandwidth	0.343	0.343	0.343	0.288
PEQ2	Freq (Hz)	14,000	1,800	1,500	800
	Level (dB)	-2.50	-2.50	-2.00	-2.00
	Type	H.SHELF 12dB/Oct	Bell	Bell	Bell
	Q	-	4.2	4.5	3.8
	Bandwidth	-	0.343	0.320	0.379
PEQ3	Freq (Hz)		3,750	3,250	1,800
	Level (dB)		-3.00	-2.00	-1.50
	Type		Bell	Bell	Bell
	Q		3.8	3.2	4.2
	Bandwidth		0.379	0.449	0.343
PEQ4	Freq (Hz)		14,000	14,000	3,750
	Level (dB)		-4.00	-2.00	-2.00
	Type		H.SHELF 12dB/Oct	H.SHELF 12dB/Oct	Bell
	Q		-	-	3.8
	Bandwidth		-	-	0.379
PEQ5	Freq (Hz)				16,000
	Level (dB)				-5.00
	Type				Bell
	Q				14.0
	Bandwidth				0.103
PEQ6	Freq (Hz)				
	Level (dB)				
	Type				
	Q				
	Bandwidth				

Note: Although the use of DSP processing is not mandatory for passive mode, the above DSP settings are recommended for optimal performance.

Processor Settings IF2112 bi-amp no sub

Categories		High Power 2-way Loudspeaker with 1x12" LF Driver and Rotatable Horn							
Model Name		IF2112/64		IF2112/95		IF2112/99		IF2112/AS	
DME library file name		IF211264_bi.cel		IF211295_bi.cel		IF211299_bi.cel		IF2112AS_bi.cel	
Drive Mode		Biamp		Biamp		Biamp		Biamp	
Output Name		Low	High	Low	High	Low	High	Low	High
Gain	(dB)	0.00	-8.80	0.00	-5.60	0.00	-7.20	0.00	-8.10
Delay	(ms)	none	none	none	none	none	none	none	none
Polarity		Normal	Inverted	Normal	Inverted	Normal	Inverted	Normal	Inverted
HPF	Freq (Hz)	45.0	1,540	45.0	1,400	45.0	2,360	45.0	1,700
	Slope (dB)	24	24	24	24	24	12	24	12
	Type	Butterworth	L-R	Butterworth	L-R	Butterworth	Butterworth	Butterworth	L-R
LPF	Freq (Hz)	1,060		1,060		1,060		1,030	
	Slope (dB)	24		24		24		24	
	Type	L-R		L-R		L-R		L-R	
PEQ1	Freq (Hz)	560	3,250	560	2,800	560	3,250	274	3,350
	Level (dB)	-1.00	-5.00	-1.00	-7.00	-1.00	-5.00	-2.00	-2.00
	Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell
	Q	4.7	1.9	4.7	1.0	4.7	3.5	4.7	1.9
	Bandwidth	0.306	0.751	0.306	1.388	0.31	0.411	0.306	0.751
PEQ2	Freq (Hz)		16,000		16,000		16,000		16,000
	Level (dB)		-5.00		-5.00		-5.00		-5.00
	Type		Bell		Bell		Bell		Bell
	Q		14.0		14.0		14.0		14.0
	Bandwidth		0.103		0.103		0.103		0.103
PEQ3	Freq (Hz)								
	Level (dB)								
	Type								
	Q								
	Bandwidth								
PEQ4	Freq (Hz)								
	Level (dB)								
	Type								
	Q								
	Bandwidth								
PEQ5	Freq (Hz)								
	Level (dB)								
	Type								
	Q								
	Bandwidth								
PEQ6	Freq (Hz)								
	Level (dB)								
	Type								
	Q								
	Bandwidth								

Note : To use IF2112 with subwoofer, HPF for LF @90Hz 48dB Butterworth and do not use PEQ1 for 64/95/99

Processor settings IF2112 passive no sub

Categories		High Power 2-way Loudspeaker with 1x12" LF Driver and Rotatable Horn			
Model Name		IF2112/64	IF2112/95	IF2112/99	IF2112/AS
DME library file name		IF211264_pa.cel	IF211295_pa.cel	IF211299_pa.cel	IF2112AS_pa.cel
Drive Mode		Passive	Passive	Passive	Passive
Output Name		Full-range	Full-range	Full-range	Full-range
Gain	(dB)	0.00	0.00	0.00	0.00
Delay	(ms)	none	none	none	none
Polarity		Normal	Normal	Normal	Normal
HPF	Freq (Hz)	45.0	45.0	45.0	45.0
	Slope (dB)	24	24	24	24
	Type	Butterworth	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)				
	Slope (dB)				
	Type				
PEQ1	Freq (Hz)	75	75	75	75
	Level (dB)	2.50	2.50	2.50	3.00
	Type	Bell	Bell	Bell	Bell
	Q	1.8	1.8	1.8	1.8
	Bandwidth	0.792	0.792	0.792	0.792
PEQ2	Freq (Hz)	630	630	630	274
	Level (dB)	-2.00	-3.00	-2.00	-2.00
	Type	Bell	Bell	Bell	Bell
	Q	3.2	3.2	3.2	5.0
	Bandwidth	0.449	0.449	0.449	0.288
PEQ3	Freq (Hz)	14,000	1,800	1,500	772
	Level (dB)	-3.00	-2.00	-2.50	-2.50
	Type	H.SHELF 12dB/Oct	Bell	Bell	Bell
	Q	-	4.2	4.5	2.8
	Bandwidth	-	0.343	0.320	0.513
PEQ4	Freq (Hz)		3,750	3,250	3,750
	Level (dB)		-2.50	-2.50	-2.00
	Type		Bell	Bell	Bell
	Q		3.8	3.2	3.2
	Bandwidth		0.379	0.449	0.449
PEQ5	Freq (Hz)		14,000	14,000	16,000
	Level (dB)		-3.50	-2.50	-5.00
	Type		H.SHELF 12dB/Oct	H.SHELF 12dB/Oct	Bell
	Q		-	-	14.0
	Bandwidth		-	-	0.103
PEQ6	Freq (Hz)				
	Level (dB)				
	Type				
	Q				
	Bandwidth				

Note: To use IF2112 with subwoofer, HPF for LF @90Hz 48dB Butterworth and do not use PEQ1 for 64/95/99

Note: Although the use of DSP processing is not mandatory for passive mode, the above DSP settings are recommended for optimal performance.

Processor settings IF2112 passive with sub

Categories		High Power 2-way Loudspeaker with 1x12" LF Driver and Rotatable Horn			
Model Name		IF2112/64	IF2112/95	IF2112/99	IF2112/AS
DME library file name		IF211264_pa_sub.cel	IF211295_pa_sub.cel	IF211299_pa_sub.cel	IF2112AS_pa_sub.cel
Drive Mode		Passive	Passive	Passive	Passive
Output Name		Full-range	Full-range	Full-range	Full-range
Gain	(dB)	0.00	0.00	0.00	0.00
Delay	(ms)	none	none	none	none
Polarity		Normal	Normal	Normal	Normal
HPF	Freq (Hz)	90.0	90.0	90.0	90.0
	Slope (dB)	48	48	48	48
	Type	Butterworth	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)				
	Slope (dB)				
	Type				
PEQ1	Freq (Hz)	630	630	630	274
	Level (dB)	-2.00	-3.00	-2.00	-2.00
	Type	Bell	Bell	Bell	Bell
	Q	3.2	3.2	3.2	5.0
	Bandwidth	0.449	0.449	0.449	0.288
PEQ2	Freq (Hz)	14,000	1,800	1,500	772
	Level (dB)	-3.00	-2.00	-2.50	-2.50
	Type	H.SHELF 12dB/Oct	Bell	Bell	Bell
	Q	-	4.2	4.5	2.8
	Bandwidth	-	0.343	0.320	0.513
PEQ3	Freq (Hz)		3,750	3,250	3,750
	Level (dB)		-2.50	-2.50	-2.00
	Type		Bell	Bell	Bell
	Q		3.8	3.2	3.2
	Bandwidth		0.379	0.449	0.449
PEQ4	Freq (Hz)		14,000	14,000	16,000
	Level (dB)		-3.50	-2.50	-5.00
	Type		H.SHELF 12dB/Oct	H.SHELF 12dB/Oct	Bell
	Q		-	-	14.0
	Bandwidth		-	-	0.103
PEQ5	Freq (Hz)				
	Level (dB)				
	Type				
	Q				
	Bandwidth				
PEQ6	Freq (Hz)				
	Level (dB)				
	Type				
	Q				
	Bandwidth				

Note: Although the use of DSP processing is not mandatory for passive mode, the above DSP settings are recommended for optimal performance.

Processor Settings IF2115M bi-amp no sub

Categories		Middle Power 2-way Loudspeaker with 1x15" LF Driver and Rotatable Horn					
Model Name		IF2115M/64		IF2115M/95		IF2115M/99	
DME library file name		IF2115M64_bi.cel		IF2115M95_bi.cel		IF2115M99_bi.cel	
Drive Mode		Biamp		Biamp		Biamp	
Output Name		Low	High	Low	High	Low	High
Gain	(dB)	0.00	-2.20	0.00	-2.20	0.00	-4.20
Delay	(ms)	none	none	none	none	none	none
Polarity		Normal	Inverted	Normal	Inverted	Normal	Inverted
HPF	Freq (Hz)	40.0	1,500	40.0	2112*	40.0	2,000
	Slope (dB)	24	24	24	24	24	18
	Type	Butterworth	L-R	Butterworth	Bessel	Butterworth	Butterworth
LPF	Freq (Hz)	1,220		1,250		1,250	
	Slope (dB)	24		24		24	
	Type	L-R		L-R		Butterworth	
PEQ1	Freq (Hz)	150	3,450	150	3,350	150	2,800
	Level (dB)	2.50	-12.00	2.50	-9.50	2.50	-8.5
	Type	L. Shelf 12dB	Bell	L. Shelf 12dB	Bell	L. Shelf 12dB	Bell
	Q		1.2		0.900		1.4
	Bandwidth		1.170		1.530		1.010
PEQ2	Freq (Hz)	290		290		290	
	Level (dB)	-3.00		-3.00		-3.00	
	Type	Bell		Bell		Bell	
	Q	7.00		7.00		7.00	
	Bandwidth	0.206		0.206		0.206	
PEQ3	Freq (Hz)	600		600		630	
	Level (dB)	-1.00		-1.00		-3.00	
	Type	Bell		Bell		Bell	
	Q	4.7		4.7		4.7	
	Bandwidth	0.306		0.306		0.306	
PEQ4	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
PEQ5	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
PEQ6	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						

Note : To use IF2115M with subwoofer, HPF for LF @90Hz 48dB Butterworth

Note : * To use IF2115M/95 with BSS processor, HF's HPF is 1370Hz, 24dB/Oct, Bessel

Processor Settings IF2115M bi-amp with sub

Categories		Middle Power 2-way Loudspeaker with 1x15" LF Driver and Rotatable Horn					
Model Name		IF2115M/64		IF2115M/95		IF2115M/99	
DME library file name		IF2115M64_bi_sub.cel		IF2115M95_bi_sub.cel		IF2115M99_bi_sub.cel	
Drive Mode		Biamp		Biamp		Biamp	
Output Name		Low	High	Low	High	Low	High
Gain	(dB)	0.00	-2.20	0.00	-2.20	0.00	-4.20
Delay	(ms)	none	none	none	none	none	none
Polarity		Normal	Inverted	Normal	Inverted	Normal	Inverted
HPF	Freq (Hz)	90.0	1,500	90.0	2112*	90.0	2,000
	Slope (dB)	48	24	48	24	48	18
	Type	Butterworth	L-R	Butterworth	Bessel	Butterworth	Butterworth
LPF	Freq (Hz)	1,220		1,250		1,250	
	Slope (dB)	24		24		24	
	Type	L-R		L-R		Butterworth	
PEQ1	Freq (Hz)	150	3,450	150	3,350	150	2,800
	Level (dB)	2.50	-12.00	2.50	-9.50	2.50	-8.5
	Type	L. Shelf 12dB	Bell	L. Shelf 12dB	Bell	L. Shelf 12dB	Bell
	Q		1.2		0.900		1.4
	Bandwidth		1.170		1.530		1.010
	Freq (Hz)	290		290		290	
	Level (dB)	-3.00		-3.00		-3.00	
	Type	Bell		Bell		Bell	
	Q	7.00		7.00		7.00	
	Bandwidth	0.206		0.206		0.206	
PEQ3	Freq (Hz)	600		600		630	
	Level (dB)	-1.00		-1.00		-3.00	
	Type	Bell		Bell		Bell	
	Q	4.7		4.7		4.7	
	Bandwidth	0.306		0.306		0.306	
	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
PEQ5	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
PEQ6	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						

Note : To use IF2115M with subwoofer, HPF for LF @90Hz 48dB Butterworth

Note : * To use IF2115M/95 with BSS processor, HF's HPF is 1370Hz, 24dB/Oct, Bessel

Processor Settings IF2112M bi-amp no sub

Categories		Middle Power 2-way Loudspeaker with 1x12" LF Driver and Rotatable Horn					
Model Name		IF2112M/64		IF2112M/95		IF2112M/99	
DME library file name		IF2112M64_bi.cel		IF2112M95_bi.cel		IF2112M99_bi.cel	
Drive Mode		Biamp		Biamp		Biamp	
Output Name		Low	High	Low	High	Low	High
Gain	(dB)	0.00	-2.20	0.00	-1.00	0.00	-4.80
Delay	(ms)	none	none	none	none	none	none
Polarity		Normal	Inverted	Normal	Inverted	Normal	Inverted
HPF	Freq (Hz)	45.0	1,540	45.0	1,630	45.0	2,000
	Slope (dB)	24	24	24	24	24	18
	Type	Butterworth	Butterworth	Butterworth	L-R	Butterworth	Butterworth
LPF	Freq (Hz)	1,150		1,250		1,220	
	Slope (dB)	24		24		24	
	Type	Butterworth		Butterworth		Butterworth	
PEQ1	Freq (Hz)	150	3,250	150	3,350	150	2,800
	Level (dB)	2.50	-13.00	2.50	-11.50	2.50	-9.5
	Type	L. Shelf 12dB	Bell	L. Shelf 12dB	Bell	L. Shelf 12dB	Bell
	Q		0.95		1.05		1.4
	Bandwidth		1.456		1.327		1.010
PEQ2	Freq (Hz)	265		290		290	
	Level (dB)	-2.00		-3.00		-3.00	
	Type	Bell		Bell		Bell	
	Q	7.00		7.00		7.00	
	Bandwidth	0.206		0.206		0.206	
PEQ3	Freq (Hz)					750	
	Level (dB)					-1.50	
	Type					Bell	
	Q					4.7	
	Bandwidth					0.306	
PEQ4	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
PEQ5	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
PEQ6	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						

Note : To use IF2112M with subwoofer, HPF for LF @90Hz 48dB Butterworth

Processor Settings

IF2112M bi-amp with sub

Categories		Middle Power 2-way Loudspeaker with 1x12" LF Driver and Rotatable Horn					
Model Name		IF2112M/64		IF2112M/95		IF2112M/99	
DME library file name		IF2112M64_bi_sub.cel		IF2112M95_bi_sub.cel		IF2112M99_bi_sub.cel	
Drive Mode		Biamp		Biamp		Biamp	
Output Name		Low	High	Low	High	Low	High
Gain	(dB)	0.00	-2.20	0.00	-1.00	0.00	-4.80
Delay	(ms)	none	none	none	none	none	none
Polarity		Normal	Inverted	Normal	Inverted	Normal	Inverted
HPF	Freq (Hz)	90.0	1,540	90.0	1,630	90.0	2,000
	Slope (dB)	48	24	48	24	48	18
	Type	Butterworth	Butterworth	Butterworth	L-R	Butterworth	Butterworth
LPF	Freq (Hz)	1,150		1,250		1,220	
	Slope (dB)	24		24		24	
	Type	Butterworth		Butterworth		Butterworth	
PEQ1	Freq (Hz)	150	3,250	150	3,350	150	2,800
	Level (dB)	2.50	-13.00	2.50	-11.50	2.50	-9.5
	Type	L. Shelf 12dB	Bell	L. Shelf 12dB	Bell	L. Shelf 12dB	Bell
	Q		0.950		1.050		1.4
	Bandwidth		1.456		1.327		1.010
PEQ2	Freq (Hz)	265		290		290	
	Level (dB)	-2.00		-3.00		-3.00	
	Type	Bell		Bell		Bell	
	Q	7.00		7.00		7.00	
	Bandwidth	0.206		0.206		0.206	
PEQ3	Freq (Hz)					750	
	Level (dB)					-1.50	
	Type					Bell	
	Q					4.7	
	Bandwidth					0.306	
PEQ4	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
PEQ5	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
PEQ6	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						

Note : To use IF2112M with subwoofer, HPF for LF @90Hz 48dB Butterworth

Processor Settings Subwoofers

Categories		Subwoofer					IS1112 + IF2108/2208			
Model Name		IS1112	IS1215	IS1118	IS1218	general subwoofer	IS1112 + IF2108		IS1112 + IF2208	
DME library file name		IS1112.cel	IS1215.cel	IS1118_IS1218.cel	IS1118_IS1218.cel	Sub_5inch_8inch.cel	IS1112+IF2108.cel		IS1112+IF2208.cel	
Drive Mode		-	Parallel/Discrete	-	Parallel/Discrete	-	-		-	
Output Name		Sub	Sub	Sub	Sub	Sub	Sub	High-box	Sub	High-box
Gain	(dB)	Gain structure will change depending on configuration Typically the subwoofers are 2dB - 10dB louder than main speakers								
Delay	(ms)	none	none	none	none	none	none	none	none	none
Polarity		Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF	Freq (Hz)	32.5	33.5	33.5	33.5	-	32.5	130.0	32.5	130.0
	Slope (dB)	24	24	18	18	-	24	48	24	48
LPF	Shape	Butterworth	Butterworth	Butterworth	Butterworth	-	Butterworth	Butterworth	Butterworth	Butterworth
	Freq (Hz)	112	85	85	85	115	112		112	
PEQ1	Slope (dB)	48	48	48	48	24	48		48	
	Shape	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth		Butterworth	
PEQ2	Freq (Hz)		63	40	40			75		75
	Level (dB)		-3.00	4.00	4.00			2.00		3.00
PEQ3	Type		Bell	Bell	Bell			Bell		Bell
	Q		4.2	4.7	4.7			4.2		4.2
PEQ4	Bandwidth		0.343	0.306	0.306			0.343		0.343
	Freq (Hz)			47.5	47.5			180		180
PEQ5	Level (dB)			3.50	3.50			-2.00		-3.50
	Type			Bell	Bell			Bell		Bell
PEQ6	Q			7.0	7.0			4.2		4.2
	Bandwidth			0.206	0.206			0.343		0.343
PEQ7	Freq (Hz)							900		900
	Level (dB)							-3.00		-3.00
PEQ8	Type							Bell		Bell
	Q							4.2		4.2
PEQ9	Bandwidth							0.343		0.343
	Freq (Hz)									2,500
PEQ10	Level (dB)									-3.00
	Type									Bell
PEQ11	Q									4.2
	Bandwidth									0.343
PEQ12	Freq (Hz)									
	Level (dB)									
PEQ13	Type									
	Q									
PEQ14	Bandwidth									
	Freq (Hz)									
PEQ15	Level (dB)									
	Type									
PEQ16	Q									
	Bandwidth									
						General subwoofer setting with IF2108, 2208 or 2205				
						* Setting for IS1112 x 1 and IF2108 or IF2208 x 1 when pole mounted.				

Note : To use IF2115 and IF2112 with subwoofer, HPF for LF @90Hz 48dB Butterworth

Processor Settings IF2108, 2208, 2205

Categories		High Power 2-way Loudspeaker with 1x8", 2x8" LF Driver and Rotatable Horn				High Power 2-way Loudspeaker with 2x5" LF Driver and Rotatable Horn	
Model Name		IF2108		IF2208		IF2205	
DME library file name		IF2108.cel	IF2108_sub.cel	IF2208.cel	IF2208_sub.cel	IF2205.cel	IF2205_sub.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)	0.00	0.00	0.00	0.00	0.00	0.00
Delay	(ms)	none	none	none	none	none	none
Polarity		Normal	Normal	Normal	Normal	Normal	Normal
HPF	Freq (Hz)	45.0	85.0	45.0	85.0	67.0	100.0
	Slope (dB)	24	24	24	24	24	24
	Type	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)						
	Slope (dB)						
	Type						
PEQ1	Freq (Hz)	75	75	75	75	150	150
	Level (dB)	2.00	2.00	3.00	3.00	-4.00	-4.00
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	4.2	4.2	4.2	4.2	3.2	3.2
	Bandwidth	0.343	0.343	0.343	0.343	0.449	0.449
PEQ2	Freq (Hz)	180	180	180	180	800	800
	Level (dB)	-2.00	-2.00	-3.50	-3.50	-2.00	-2.00
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	4.2	4.2	4.2	4.2	2.8	2.8
	Bandwidth	0.343	0.343	0.343	0.343	0.513	0.513
PEQ3	Freq (Hz)	900	900	900	900	2,500	2,500
	Level (dB)	-3.00	-3.00	-3.00	-3.00	-2.50	-2.50
	Type	Bell	Bell	Bell	Bell	Bell	Bell
	Q	4.2	4.2	4.2	4.2	3.2	3.2
	Bandwidth	0.343	0.343	0.343	0.343	0.449	0.449
PEQ4	Freq (Hz)			2,500	2,500	17,300	17,300
	Level (dB)			-3.00	-3.00	-3.00	-3.00
	Type			Bell	Bell	Bell	Bell
	Q			4.2	4.2	14.0	14.0
	Bandwidth			0.343	0.343	0.103	0.103
PEQ5	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						
PEQ6	Freq (Hz)						
	Level (dB)						
	Type						
	Q						
	Bandwidth						

Note: Although the use of DSP processing is not mandatory for passive mode, the above DSP settings are recommended for optimal performance.

Note: To use IF2108, 2208 and 2205 with subwoofer, LPF for subwoofer @115Hz (24dB Butterworth).

Processor Settings for Floor Monitor

Categories									
Model Name		IF2115/AS		IF2112/AS		IF2112/AS		IF2208	IF2108
DME library file name		IF2115AS_pa_moni.cel		IF2112AS_pa_moni.cel		IF2112AS_bi_moni.cel		IF2208_moni.cel	IF2108_moni.cel
Drive Mode		Passive		Passive		Biamp		Passive	Passive
Output Name		-		-		-		-	-
Gain (dB)									
Delay (ms)									
Polarity									
HPF Freq (Hz)		35.5		45.0		45.0		45.0	53.0
Slope (dB)		24		24		24		24	24
Type		Butterworth		Butterworth		Butterworth		Butterworth	Butterworth
LPF Freq (Hz)				1,000		1,030			
Slope (dB)				18		24			
Type				Butterworth		L-R			
PEQ1 Freq (Hz)		250		250		250		150	150
Level (dB)		-4.00		-3.50		-3.00		-4.00	-2.50
Type		Bell		Bell		Bell		Bell	Bell
Q		4.2		4.2		4.2		4.2	4.2
Bandwidth		0.343		0.343		0.343		0.343	0.343
PEQ2 Freq (Hz)		710		710		670		900	900
Level (dB)		-3.00		-3.50		-3.00		-3.00	-3.00
Type		Bell		Bell		Bell		Bell	Bell
Q		3.2		4.2		3.2		4.2	4.2
Bandwidth		0.449		0.343		0.449		0.343	0.343
PEQ3 Freq (Hz)		2,000				2,000		2,500	2,500
Level (dB)		-2.00				-2.50		-1.50	-2.00
Type		Bell				Bell		Bell	Bell
Q		4.2				4.2		4.2	4.2
Bandwidth		0.343				0.343		0.343	0.343
PEQ4 Freq (Hz)		3,750				3,750		9,500	5,600
Level (dB)		-3.00				-2.50		2.00	-2.00
Type		Bell				Bell		H.SHELF 12dB/Oct	Bell
Q		4.2				4.2		-	3.8
Bandwidth		0.343				0.343		-	0.379
PEQ5 Freq (Hz)		9,500				9,500			9,500
Level (dB)		-3.50				-4.00			1.50
Type		Bell				Bell			H.SHELF 12dB/Oct
Q		4.2				4.2			-
Bandwidth		0.343				0.343			-
PEQ6 Freq (Hz)									
Level (dB)									
Type									
Q									
Bandwidth									

Processor Settings IF3115 no sub

Categories		High Power 3-way Loudspeaker with 1x15" LF Driver and Rotatable Horn									
Model Name		IF3115/64					IF3115/95				
DME library file name		IF311564_tri.cel			IF311564_bi.cel		IF311595_tri.cel			IF311595_bi.cel	
Drive Mode		Tri-amp			Bi-amp		Tri-amp			Bi-amp	
Output Name		Low	Mid	High	Low	Mid/High	Low	Mid	High	Low	Mid/High
Gain	(dB)	0.00	-7.00	-9.00	0.00	-8.50	0.00	-6.00	-4.60	0.00	-7.60
Delay	(ms)	0.62	none	none	0.62	none	0.56	none	0.25	0.56	none
Polarity		Normal	Normal	Invert	Normal	Normal	Normal	Normal	Invert	Normal	Normal
HPF	Freq (Hz)	40.0	250.0	1,800	40.0	250	40.0	250.0	1,900	40.0	250
	Slope (dB)	24	18	12	24	18	24	18	24	24	18
	Type	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	L-R	Butterworth	Butterworth
LPF	Freq (Hz)	250	1800		250		250	1,700		250	
	Slope (dB)	18	12		18		18	24		18	
	Type	Butterworth	L-R		Butterworth		Butterworth	Butterworth		Butterworth	
PEQ1	Freq (Hz)	80	315	3,450	80	315	80	345	3,450	80	345
	Level (dB)	3.00	-8.00	-4.50	3.00	-8.00	3.00	-9.00	-7.0	3.00	-9.00
	Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell
	Q	4.7	4.7	1.4	4.7	4.7	4.7	3.5	1.4	4.7	3.5
	Bandwidth	0.306	0.306	1.010	0.306	0.306	0.306	0.411	1.010	0.306	0.411
PEQ2	Freq (Hz)		600	1,220		600		600	4,000		600
	Level (dB)		-2.00	4.00		-2.00		-1.50	-2.00		-2.00
	Type		Bell	Bell		Bell		Bell	Bell		Bell
	Q		4.7	6.0		4.7		4.7	7.0		4.7
	Bandwidth		0.306	0.240		0.306		0.306	0.206		0.306
PEQ3	Freq (Hz)										4,000
	Level (dB)										-2.00
	Type										Bell
	Q										7.0
	Bandwidth										0.206
PEQ4	Freq (Hz)										
	Level (dB)										
	Type										
	Q										
	Bandwidth										
PEQ5	Freq (Hz)										
	Level (dB)										
	Type										
	Q										
	Bandwidth										
PEQ6	Freq (Hz)										
	Level (dB)										
	Type										
	Q										
	Bandwidth										

Note : To use IF3115 with subwoofer, HPF for LF @80Hz 18dB Butterworth

Processor Settings IF3115 with sub

Categories		High Power 3-way Loudspeaker with 1x15" LF Driver and Rotatable Horn									
Model Name		IF3115/64					IF3115/95				
DME library file name		IF311564_tri_sub.cel			IF311564_bi_sub.cel		IF311595_tri_sub.cel			IF311595_bi_sub.cel	
Drive Mode		Tri-amp			Bi-amp		Tri-amp			Bi-amp	
Output Name		Low	Mid	High	Low	Mid/High	Low	Mid	High	Low	Mid/High
Gain	(dB)	0.00	-7.00	-9.00	0.00	-8.50	0.00	-6.00	-4.60	0.00	-7.60
Delay	(ms)	0.62	none	none	0.62	none	0.56	none	0.25	0.56	none
Polarity		Normal	Normal	Invert	Normal	Normal	Normal	Normal	Invert	Normal	Normal
HPF	Freq (Hz)	80.0	250.0	1,800	80.0	250	80.0	250.0	1,900	80.0	250
	Slope (dB)	18	18	12	18	18	18	18	24	18	18
	Type	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	L-R	Butterworth	Butterworth
LPF	Freq (Hz)	250	1800		250		250	1,700		250	
	Slope (dB)	18	12		18		18	24		18	
	Type	Butterworth	L-R		Butterworth		Butterworth	Butterworth		Butterworth	
PEQ1	Freq (Hz)	80	315	3,450	80	315	80	345	3,450	80	345
	Level (dB)	3.00	-8.00	-4.50	3.00	-8.00	3.00	-9.00	-7.0	3.00	-9.00
	Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell
	Q	4.7	4.7	1.4	4.7	4.7	4.7	3.5	1.4	4.7	3.5
	Bandwidth	0.306	0.306	1.010	0.306	0.306	0.306	0.411	1.010	0.306	0.411
PEQ2	Freq (Hz)		600	1,220		600		600	4,000		600
	Level (dB)		-2.00	4.00		-2.00		-1.50	-2.00		-2.00
	Type		Bell	Bell		Bell		Bell	Bell		Bell
	Q		4.7	6.0		4.7		4.7	7.0		4.7
	Bandwidth		0.306	0.240		0.306		0.306	0.206		0.306
PEQ3	Freq (Hz)										4,000
	Level (dB)										-2.00
	Type										Bell
	Q										7.0
	Bandwidth										0.206
PEQ4	Freq (Hz)										
	Level (dB)										
	Type										
	Q										
	Bandwidth										
PEQ5	Freq (Hz)										
	Level (dB)										
	Type										
	Q										
	Bandwidth										
PEQ6	Freq (Hz)										
	Level (dB)										
	Type										
	Q										
	Bandwidth										

Note : To use IF3115 with subwoofer, HPF for LF @80Hz 18dB Butterworth

Processor Settings IH2000+IL1115

Categories		High Power 2-way Loudspeaker + Low-frequency Loudspeaker system									
Model Name		IH2000/64 Biamp + IL1115			IH2000/64 Passive + IL1115		IH2000/95+IL1115			IH2000/95 Passive + IL1115	
DME library file name		IL1115+IH64_bi.cel			IL1115+IH64_pa.cel		IL1115+IH95_bi.cel			IL1115+IH95_pa.cel	
Drive Mode		Triamp			Biamp		Triamp			Biamp	
Speaker		IL1115	IH2000/64		IL1115	IH2000/64	IL1115	IH2000/95		IL1115	IH2000/95
Output Name		Low	Mid	High	Low	Mid/High	Low	Mid	High	Low	Mid/High
Gain	(dB)	0.00	-8.00	-10.00	0.00	-9.00	0.00	-7.00	-5.60	0.00	-8.60
Delay	(ms)	0.62	none	none	0.62	none	0.56	none	0.25	0.56	none
Polarity		Normal	Normal	Inverted	Normal	Normal	Normal	Normal	Inverted	Normal	Normal
HPF	Freq (Hz)	40.0	250	1,800	40.0	250	40.0	250	1,900	40.0	250
	Slope (dB)	24	18	12	24	18	24	18	24	24	18
	Type	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	L-R	Butterworth	Butterworth
LPF	Freq (Hz)	250	1,800		250		250	1,700		250	
	Slope (dB)	18	12		18		18	24		18	
	Type	Butterworth	L-R		Butterworth		Butterworth	Butterworth		Butterworth	
PEQ1	Freq (Hz)	80	315	3,450	80	315	80	345	3,450	80	345
	Level (dB)	3.00	-8.00	-4.50	3.00	-8.00	3.00	-9.00	-7.00	3.00	-9.00
	Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell
	Q	4.7	4.7	1.4	4.7	4.7	4.7	3.5	1.4	4.7	3.5
	Bandwidth	0.306	0.306	1.010	0.306	0.306	0.306	0.411	1.010	0.306	0.411
PEQ2	Freq (Hz)		600	12,200		600		600	4,000		600
	Level (dB)		-2.00	4.00		-2.00		-1.50	-2.00		-2.00
	Type		Bell	Bell		Bell		Bell	Bell		Bell
	Q		4.7	6.0		4.7		4.7	7.00		4.7
	Bandwidth		0.306	0.240		0.306		0.306	0.206		0.306
PEQ3	Freq (Hz)										4,000
	Level (dB)										-2.00
	Type										Bell
	Q										7.0
	Bandwidth										0.206
PEQ4	Freq (Hz)										
	Level (dB)										
	Type	To use IH2000/64 without IL1115, Flatten EQ@315Hz			To use IH2000/64 without IL1115, Flatten EQ@315Hz		To use IH2000/95 without IL1115, Flatten EQ@345Hz			To use IH2000/95 without IL1115, Flatten EQ@345Hz	
	Q										
	Bandwidth										

Note : To use system with subwoofer, HPF for LF @80Hz 18dB Butterworth