YAMAHA

Processor Settings
IF2115 bi-amp no sub

November, 2005

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
Polality		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

YAMAHA commercial audio

Processor Settings
IF2115 bi-amp with sub

November, 2005

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_sub.cel		IF211595_bi_sub.cel		IF211599_bi_sub.cel		IF2115AS_bi_sub.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
Polality		Normal	Inverted	Normal	Inverted	Normal	Inverted	Normal	Inverted
HPF	Freq (Hz)	90.0	1,450	90.0	1,600	90.0	2,360	90.0	1,830
	Slope (dB)	48	18	48	18	48	12	48	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)	560	2,800	560	2,650	560	3,250	274	3,650
	Level (dB)	-1.00	-7.40	-1.00	-8.00	-1.00	-4.4	-2.60	-2.00
	Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell
	Q	4.7	0.9	4.7	1.0	4.7	2.7	7.0	1.9
	Bandwidth	0.306	1.530	0.306	1.388	0.306	0.531	0.206	0.751
PEQ2	Freq (Hz)		16,000		16,000		16,000	560	16,000
	Level (dB)		-5.00		-5.00		-5.00	-1.00	-5.00
	Type		Bell		Bell		Bell	Bell	Bell
	Q		14.0		14.0		14.0	4.7	14.0
	Bandwidth		0.103		0.103		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								

YAMAHA commercial audio

Processor settings
IF2115 passive no sub

January, 2006

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
Polality		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.

YAMAHA commercial audio

Processor settings
IF2115 passive with sub

January, 2006

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
Polality		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.

YAMAHA

Processor Settings
IF2112 bi-amp no sub

November, 2005

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
Polality		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

YAMAHA

Processor Settings
IF2112 bi-amp with sub

November, 2005

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_sub.cel		IF211295_bi_sub.cel		IF211299_bi_sub.cel		IF2112AS_bi_sub.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
Polality		Normal	Inverted	Normal	Inverted	Normal	Inverted	Normal	Inverted
HPF	Freq (Hz)	90.0	1,540	90.0	1,400	90.0	2,360	90.0	1,700
	Slope (dB)	48	24	48	24	48	12	48	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	-5.0	-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	0.306	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								

YAMAHA commercialaudio

Processor settings
IF2112 passive no sub

January, 2006

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
Polality		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.

YAMAHA commercialaudio

Processor settings
IF2112 passive with sub

January, 2006

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
Polality		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.

YAMAHA commercial audio

Processor Settings
IF2115M bi-amp no sub

January, 2006

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
Polality		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

YAMAHA commercial audio

Processor Settings
IF2115M bi-amp with sub

January, 2006

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
Polality		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
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

YAMAHA commercialaudio

Processor Settings
IF2112M bi-amp no sub

January, 2006

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
Polality		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

YAMAHA commercial audio

Processor Settings
IF2112M bi-amp with sub

January, 2006

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
Polality		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

YAMAHA

Processor Settings
Subwoofers

November, 2005

Categories		High Power Subwoofer			
Model Name		IS1215	IS1118	IS1218	general subwoofer
DME library file name		IS1215.cel	IS1118_IS1218.cel	IS1118_IS1218.cel	Sub_5inch_8inch.cel
Drive Mode		Parallel/Discrete	-	Parallel/Discrete	
Output Name		Sub	Sub	Sub	Sub
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
Polality		Normal	Normal	Normal	Normal
HPF	Freq (Hz)	33.5	33.5	33.5	-
	Slope (dB)	24	18	18	-
	Shape	Butterworth	Butterworth	Butterworth	-
LPF	Freq (Hz)	85	85	85	115
	Slope (dB)	48	48	48	24
	Shape	Butterworth	Butterworth	Butterworth	Butterworth
PEQ1	Freq (Hz)	63	40	40	
	Level (dB)	-3.00	4.00	4.00	
	Type	Bell	Bell	Bell	
	Q	4.2	4.7	4.7	
	Bandwidth	0.343	0.306	0.306	
PEQ2	Freq (Hz)		47.5	47.5	
	Level (dB)		3.50	3.50	
	Type		Bell	Bell	
	Q		7.0	7.0	
	Bandwidth		0.206	0.206	
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)				with IF2108, 2208 or 2205 setting
	Type				
	Q				
	Bandwidth				

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

YAMAHA

Processor Settings
IF2108, 2208, 2205

January, 2006

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
Polality		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).

YAMAHA commercial audio

Processor Settings for Floor Monitor

January, 2006

Categories											
Model Name		IF2115/AS	IF2115/AS		IF2112/AS	IF2112/AS		IF2208	IF2108
DME library file name		IF2115AS_pa_moni.cel	IF2115AS_bi_moni.cel		IF2112AS_pa_moni.cel	IF2112AS_bi_moni.cel		IF2208_moni.cel	IF2108_moni.cel
Drive Mode		Passive	Biamp		Passive	Biamp		Passive	Passive
Output Name		-	Low	High	-	Low	High	-	-
Gain	(dB)		0.00	-5.40		0.00	-8.10		
Delay	(ms)		none	none		none	none		
Polality			Normal	Inverted		Normal	Inverted		
HPF	Freq (Hz)	35.5	40.0	2,120	45.0	45	2,000	45.0	53.0
	Slope (dB)	24	24	12	24	24	12	24	24
	Type	Butterworth	Butterworth	L-R	Butterworth	Butterworth	L-R	Butterworth	Butterworth
LPF	Freq (Hz)		1,000			1,030			
	Slope (dB)		18			24			
	Type		Butterworth			L-R			
PEQ1	Freq (Hz)	250	250	3,750	250	250	3,750	150	150
	Level (dB)	-4.00	-3.50	-4.50	-3.00	-3.00	-4.00	-4.00	-2.50
	Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell	Bell
	Q	4.2	4.2	3.2	4.2	4.2	3.2	4.2	4.2
	Bandwidth	0.343	0.343	0.449	0.343	0.343	0.449	0.343	0.343
PEQ2	Freq (Hz)	710	710	9,500	670	560	9,500	900	900
	Level (dB)	-3.00	-3.50	-4.00	-3.00	-3.50	-3.00	-3.00	-3.00
	Type	Bell	Bell	H.SHELF 12dB/Oct	Bell	Bell	H.SHELF 12dB/Oct	Bell	Bell
	Q	3.2	4.2		3.2	4.2		4.2	4.2
	Bandwidth	0.449	0.343		0.449	0.343		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								

YAMAHA

Processor Settings
IF3115 no sub

April, 2006

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		Tir-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
Polality		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

YAMAHA commercial audio

Processor Settings
IF3115 with sub

April, 2006

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		Tir-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
Polality		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

YAMAHA commercial audio

Processor Settings
IH2000+IL1115

April, 2006

Categories		High Power 2-way Loudspeaker + Low-frequency Loudspeker 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
Polality		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)	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	
	Type										
	Q										
	Bandwidth										

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