KFe Series Processor Settings

January 2, 2006

KF850EF tri-amp

OUTPUT	Name	LF	MF	HF
GAIN	(dB)	2.0	-4.0	-1.0
DELAY	(ms)	0.00	0.00	0.71
POLARITY		Positive	Positive	Positive
HPF	Freq (Hz)	40	281	1410
	Slope (dB)	24	24	24
	Shape	Butterworth	Linkwitz-Riley	Butterworth
LPF	Freq (Hz)	306	1410	16000
	Slope (dB)	24	18	24
	Shape	Linkwitz-Riley	Butterworth	Butterworth
PEQ1	Freq (Hz)	79	315	1680
	Level (dB)	12.0	4.0	-1.0
	Type	Parametric	Parametric	Parametric
	Q	2.00	2.00	5.04
	(Bandwidth)	0.71	0.50	0.20
PEQ2	Freq (Hz)		2240	7550
	Level (dB)		-24.0	-1.0
	Type		Parametric	Parametric
	Q		32.00	4.00
	(Bandwidth)		0.09	0.25
PEQ3	Freq (Hz)		1370	13070
	Level (dB)		6.0	12.5
	Type		Parametric	Parametric
	Q		8.00	4.00
	(Bandwidth)		0.13	0.36
PEQ4	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
	(Bandwidth)			
PEQ5	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
	(Bandwidth)			

NOTE: To use system with sub, high pass LF @ 100 Hz (24 dB Butterworth) & do not use PEQ 1.

Output gains assume all amplifiers have the same voltage gain

KFe Series Processor Settings

January 2, 2006

KF853D bi-amp/BH853

OUTPUT	Name	LF	MF	HF
GAIN	(dB)	4.0	1.0	0.0
DELAY	(ms)	0.00	0.03	0.00
POLARITY		Positive	Positive	Positive
HPF	Freq (Hz)	40	250	1490
	Slope (dB)	24	24	24
	Shape	Butterworth	Butterworth	Butterworth
LPF	Freq (Hz)	250	1330	thru
	Slope (dB)	24	24	
	Shape	Butterworth	Butterworth	
PEQ1	Freq (Hz)	57		2660
	Level (dB)	6.0		-5.1
	Type	Parametric		Parametric
	Q	2.00		1.33
	(Bandwidth)	0.50		0.75
PEQ2	Freq (Hz)			10990
	Level (dB)			7.0
	Type			Parametric
	Q			2.00
	(Bandwidth)			0.53
PEQ3	Freq (Hz)			7120
	Level (dB)			1.5
	Type			Parametric
	Q			4.00
	(Bandwidth)			0.25
PEQ4	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
	(Bandwidth)			
PEQ5	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
	(Bandwidth)			

NOTE: To use system with sub, high pass LF @ 100 Hz (24 dB Butterworth) & do not use PEQ 1.

Output gains assume all amplifiers have the same voltage gain

KFe Series Processor Settings

January 2, 2006

KF855EF tri-amp*

OUTPUT	Name	MF	HF 1	HF 2
GAIN	(dB)	-4.0	-1.0	-1.0
DELAY	(ms)	0.00	0.71	0.71
POLARITY		Positive	Positive	Positive
HPF	Freq (Hz)	280	1414	1414
	Slope (dB)	24	24	24
	Shape	Linkwitz-Riley	Butterworth	Butterworth
LPF	Freq (Hz)	1414	16000	16000
	Slope (dB)	18	24	24
	Shape	Butterworth	Butterworth	Butterworth
PEQ1	Freq (Hz)	315	1682	1682
	Level (dB)	4.0	-1.0	-1.0
	Type	Parametric	Parametric	Parametric
	Q	2.00	4.04	5.04
	(Bandwidth)	0.50	0.25	0.20
PEQ2	Freq (Hz)	2245	7551	7551
	Level (dB)	-24.0	-1.0	-1.0
	Type	Parametric	Parametric	Parametric
	Q	32.00	3.00	4.00
	(Bandwidth)	0.09	0.33	0.25
PEQ3	Freq (Hz)	1374	13071	13071
	Level (dB)	6.0	12.5	12.5
	Type	Parametric	Parametric	Parametric
	Q	8.00	3.00	4.00
	(Bandwidth)	0.13	0.48	0.36
PEQ4	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
	(Bandwidth)			
PEQ5	Freq (Hz)			
	Level (dB)			
	Type			
	Q			
	(Bandwidth)			

*** Use same Hi settings when paralleling HF downfill horns.**

NOTE: To use system with sub, high pass LF @ 100 Hz (24 dB Butterworth) & do not use PEQ 1.

Output gains assume all amplifiers have the same voltage gain

KFe Series Processor Settings

January 2, 2006

		KF650e tri-amp			KF650e bi-amp	
OUTPUT	**Name**	**LF**	**MF**	**HF**	**LF**	**MF/HF**
GAIN	**(dB)**	6.0	1.0	0.0	8.0	0.0
DELAY	**(ms)**	0.00	0.00	1.32	0.00	0.00
POLARITY		Positive	Positive	Positive	Positive	Positive
HPF	**Freq (Hz)**	45	257	1580	45	216
	Slope (dB)	24	24	24	24	24
	Shape	Butterworth	Linkwitz-Riley	Butterworth	Butterworth	Butterworth
LPF	**Freq (Hz)**	210	1120	thru	167	thru
	Slope (dB)	24	24		24	
	Shape	Linkwitz-Riley	Linkwitz-Riley		Linkwitz-Riley	
PEQ1	**Freq (Hz)**	61	545	1370	61	2590
	Level (dB)	7.0	-2.8	-1.5	6.0	3.5
	Type	Parametric	Parametric	Parametric	Parametric	Parametric
	Q	2.00	8.00	5.04	2.00	1.00
	(Bandwidth)	0.53	0.13	0.20	0.50	1.00
PEQ2	**Freq (Hz)**		1090	2990		687
	Level (dB)		2.0	1.5		1.5
	Type		Parametric	Parametric		Parametric
	Q		2.00	1.50		2.24
	(Bandwidth)		0.5	0.67		0.45
PEQ3	**Freq (Hz)**			17440		19580
	Level (dB)			5.0		3.0
	Type			Parametric		Parametric
	Q			2.00		2.00
	(Bandwidth)			0.50		0.50
PEQ4	**Freq (Hz)**					561
	Level (dB)					-3.0
	Type					Parametric
	Q					10.10
	(Bandwidth)					0.10
PEQ5	**Freq (Hz)**					1290
	Level (dB)					-2.0
	Type					Parametric
	Q					10.10
	(Bandwidth)					0.10

NOTE: To use system with sub, high pass LF @ 100 Hz (24 dB Butterworth) & do not use PEQ 1.

Output gains assume all amplifiers have the same voltage gain

KFe Series Processor Settings

January 2, 2006

		KF695e tri-amp			KF695e bi-amp	
OUTPUT	**Name**	**LF**	**MF**	**HF**	**LF**	**MF/HF**
GAIN	**(dB)**	4.0	1.2	0.0	5.0	0.0
DELAY	**(ms)**	0.00	0.00	0.28	0.00	0.00
POLARITY		Positive	Positive	Positive	Positive	Positive
HPF	**Freq (Hz)**	40	281	1490	40	297
	Slope (dB)	24	24	24	24	24
	Shape	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
LPF	**Freq (Hz)**	281	1490	thru	281	thru
	Slope (dB)	24	24		24	
	Shape	Butterworth	Linkwitz-Riley		Linkwitz-Riley	
PEQ1	**Freq (Hz)**	64	578	3260	64	2180
	Level (dB)	8.0	-1.0	-1.7	8.0	4.0
	Type	Parametric	Parametric	Parametric	Parametric	Parametric
	Q	2.00	3.00	4.00	2.00	2.67
	(Bandwidth)	0.56	0.33	0.25	0.56	0.37
PEQ2	**Freq (Hz)**		866	10670		10670
	Level (dB)		1.5	8.0		7.0
	Type		Parametric	Parametric		Parametric
	Q		5.04	2.83		3.00
	(Bandwidth)		0.20	0.40		0.35
PEQ3	**Freq (Hz)**			2000		5820
	Level (dB)			1.5		-2.5
	Type			Parametric		Parametric
	Q			3.00		2.67
	(Bandwidth)			0.33		0.37
PEQ4	**Freq (Hz)**					2590
	Level (dB)					1.6
	Type					Parametric
	Q					0.67
	(Bandwidth)					1.49
PEQ5	**Freq (Hz)**					
	Level (dB)					
	Type					
	Q					
	(Bandwidth)					

NOTE: To use systems with sub, high pass LF @ 100 Hz (24 dB Butterworth) & do not use PEQ 1.

Output gains assume all amplifiers have the same voltage gain

KFe Series Processor Settings

January 2, 2006

KF300e bi-amp

OUTPUT	Name	LF	MF/HF
GAIN	(dB)	6.0	0.0
DELAY	(ms)	0.36	0.00
POLARITY		Positive	Positive
HPF	Freq (Hz)	40	459
	Slope (dB)	24	24
	Shape	Butterworth	Linkwitz-Riley
LPF	Freq (Hz)	459	thru
	Slope (dB)	24	
	Shape	Butterworth	
PEQ1	Freq (Hz)	56	944
	Level (dB)	8.0	-1.0
	Type	Parametric	Parametric
	Q	2.00	5.04
	(Bandwidth)	0.56	0.20
PEQ2	Freq (Hz)		20150
	Level (dB)		5.0
	Type		Parametric
	Q		1.00
	(Bandwidth)		1.00
PEQ3	Freq (Hz)		9510
	Level (dB)		3.0
	Type		Parametric
	Q		5.04
	(Bandwidth)		0.20
PEQ4	Freq (Hz)		561
	Level (dB)		1.5
	Type		Parametric
	Q		1.89
	(Bandwidth)		0.53
PEQ5	Freq (Hz)		2110
	Level (dB)		1.7
	Type		Parametric
	Q		4.00
	(Bandwidth)		0.25

NOTE: To use system with sub, high pass LF @ 100 Hz (24 dB Butterworth) & do not use PEQ 1.

Output gains assume all amplifiers have the same voltage gain