

EV X-Array Touring Loudspeakers
Generic Digital Parameters

Loudspeaker System		X-Array Touring Loudspeaker Systems 3-Way Plus Overlapping-Sub Configurations									
Notes		* All models shown * Xcb may be substituted for Xb and vice versa * Xf/Xb Relative Delays: HF:1042uS, MB:0uS, LF:437uS * Delay Xf, Xn, Xcn, Xb & Xcb 4000uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary									
Programmer: 1st Rev. - Last Rev:		DEC: 01/20/98 - MO: 08/30/00									
Assign-ments	Loudspeaker Systems	Xb & Xf			Xn			Xcb & Xcn			Xds
	Frequency Band	Xb LF	Xf MB	Xf HF	Xn LF	Xn MB	Xn HF	Xcb LF	Xcn MB	Xcn HF	Xds SUB
EQ Filter Block (PEQ filter width specified in both BandWidth & Q)	Filter 1 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Filter 1 Freq. (Hz)	37	210	2000	50	230	1760	37	230	1760	37
	Filter 1 Level (dB)	+4	+2	-1	+3	-1	-6	+4	-1	-6	+4
	Filter 1 BW (Oct)	0.5	0.7	0.5	0.4	0.7	1.2	0.5	0.7	1.2	0.5
	Filter 1 Q (Q)	2.8	2.0	2.8	3.6	2.0	1.2	2.8	2.0	1.2	2.8
	Filter 1 Slope (dB/Oct)	--	--	--	--	--	--	--	--	--	--
	Filter 2 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Filter 2 Freq. (Hz)	63	390	3370	72	374	3370	63	374	3370	50
	Filter 2 Level (dB)	-3	0	-4	-1	0	-5	-3	0	-5	-3
	Filter 2 BW (Oct)	0.3	0.48	0.7	0.3	0.5	0.9	0.3	0.5	0.9	0.3
	Filter 2 Q (Q)	4.8	3.0	2.0	4.8	2.8	1.6	4.8	2.8	1.6	4.8
	Filter 2 Slope (dB/Oct)	--	--	--	--	--	--	--	--	--	--
	Filter 3 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Filter 3 Freq. (Hz)	66	740	6300	90	717	6300	66	717	6300	80
	Filter 3 Level (dB)	-3	-1	-4	+1	-1	-6	-3	-1	-6	+4
	Filter 3 BW (Oct)	0.3	0.4	0.7	0.5	0.5	0.8	0.3	0.5	0.8	0.5
Filter 3 Q (Q)	4.8	4.0	2.0	2.8	2.8	1.8	4.8	2.8	1.8	2.8	
Filter 3 Slope (dB/Oct)	--	--	--	--	--	--	--	--	--	--	
Filter 4 Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	
Filter 4 Freq. (Hz)	125	1360	14000	220	1440	14000	125	1440	14000	200	
Filter 4 Level (dB)	+2	-3	+6	0	-6	+6	+2	-6	+6	-3	
Filter 4 BW (Oct)	0.5	1.5	0.3	0.3	1.4	0.3	0.5	1.4	0.3	0.3	
Filter 4 Q (Q)	2.8	0.9	5.0	4.8	1.0	4.8	2.8	1.0	4.8	4.8	
Filter 4 Slope (dB/Oct)	--	--	--	--	--	--	--	--	--	--	
Crossover	HP Resp (Type,dB/Oct)	BW24	LR24	LR24	BW24	LR24	LR24	BW24	LR24	LR24	BW24
	HP Q (on 12dB only) (Q)	-	-	-	-	-	-	-	-	-	-
	HP Frequency (Hz)	43	125	1760	50	125	1760	43	125	1760	34
	LP Resp (Type,dB/Oct)	LR24	LR24	LR24	LR24	LR24	LR24	LR24	LR24	LR24	LR24
	LP Q (on 12dB only)	-	-	-	-	-	-	-	-	-	-
LP Frequency (Hz)	125	1760	16000	125	1760	16000	125	1760	16000	80	
Output	Digital Output Level (dB)	+4	-4	-6	+4	-4	-2	+4	-4	-2	+4
	Output Delay (uSec)	4000	3563	4604	4000	3563	4563	4000	3563	4563	0.000
	Polarity (Norm/Inv)	Inv	Norm	Norm	Inv	Norm	Norm	Inv	Norm	Norm	Inv
Limiter	Limiter Thresh (dBu)	+2	+2	+2	+2	+2	+2	+2	+2	+2	+2
	Limiter Attack (mSec)	6	1	.02	6	1	.02	6	1	.02	6
	Limiter Release (mSec)	12	2	.33	12	2	.33	12	2	.33	12
	Limiter Hold (mSec)	--	--	--	--	--	--	--	--	--	--
Compress- sor	Comp. Thresh. (dBu)	0	0	0	0	0	0	0	0	0	0
	Comp. Ratio (X:1)	3	3	3	3	3	3	3	3	3	3
	Comp. Attack (mS)	10	10	1	10	10	1	10	10	1	10
	Comp. Release (mS)	200	150	100	200	150	100	200	150	100	200

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Rev.: 2.00 - 08/31

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X-Array Touring Generic Parameters Rev 2

Revision History

- 0.10 Preliminary - Initial typing of spreadsheet. Only internal distribution. 03/17/00.
- 0.20 Preliminary - Typo errors from previous release were corrected. Limited external distribution. 04/20/00.

- 1.00 Official release. Positive feedback received from field. Notes were added. No parameter changes from previous preliminary release. 06/25/00.
- 2.00 EQ, compressor & limiter adjustments were made to optimize loudspeaker protection/dynamics performance. 08/30/00.

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