

**EV Xi X-Array Install Loudspeakers
EV Dx34A Digital Parameters**

Loudspeaker System	Xi-1122/85 Stereo 2-Way			Xi-1152/94 Stereo 2-Way			Xi-1152/64 Stereo 2-Way		
Notes	*Adjust limiters for driver protection. *Subwoofer optional. See subwoofer parameter section. Adjust levels as necessary.			*Adjust limiters for driver protection. *Subwoofer optional. See subwoofer parameter section. Adjust levels as necessary.			*Adjust limiters for driver protection. *Subwoofer optional. See subwoofer parameter section. Adjust levels as necessary.		
Programmer 1st Rev. - Last Rev.	DEC: 07/27/98 - 07/29/98			DEC: 07/27/98 - 07/29/98			DEC: 07/27/98 - 07/29/98		
Dx34A Program Title	XI-1122/85			XI-1152/94			XI-1152/64		
Dx34A Configuration	2-Way			2-Way			2-Way		
Frequency Band	FR			FR			FR		
Dx34A Output	1,2,3&4	1/3	2/4	1,2,3&4	1/3	2/4	1,2,3&4	1/3	2/4
Input Master Delay (mS)	2.0			2.0			2.0		
Input Master PEQ Freq (Hz)	3400			4500			4700		
Input Master PEQ Q (Q)	2.6			1.6			1.0		
Input Master PEQ Gain (dB)	-2.0			-5.0			-6.0		
Low-Cut Freq (Hz)		68.0			50.0			50.0	
Low-Cut Slope (dB/Oct)		12			12			12	
Low-Cut Q (Q)		2.0			2.0			2.0	
LSF Freq. (Hz)		420			450			450	
LSF Slope (dB/Oct)		6			6			6	
LSF Gain (dB)		+5.0			+4.0			+4.0	
HPF Freq. (Hz)			1480			1480			1480
HPF Resp. (Type-dB/Oct)			LR24			LR24			LR24
PEQ1 Freq. (Hz)		600	1240		520	1960		520	1960
PEQ1 Q (Q)		2.0	1.8		2.0	1.6		2.0	1.6
PEQ1 Gain (dB)		-2.0	-2.0		-2.0	-7.0		-2.0	-7.0
PEQ2 Freq. (Hz)			14800			14800			14800
PEQ2 Q (Q)			1.4			1.2			1.2
PEQ2 Gain (dB)			+9.0			+8.0			+8.0
LPF Freq. (Hz)		1480			1480			1480	
LPF Resp. (Type-dB/Oct)		LR24			LR24			LR24	
HSF Freq. (Hz)			10000			10000			10000
HSF Slope (dB/Oct)			12			12			12
HSF Gain (dB)			0			0			0
Output Align Delay (uS)		299	0		555	0		555	0
Polarity (Normal, Invert)		Norm	Norm		Norm	Norm		Norm	Norm
Digital Output Gain (dB)		-1.0	-8.0		-2.0	-4.0		-2.0	-4.0
Limiter Thresh. (dBu)		+5.0	+3.0		+5.0	+3.0		+5.0	+3.0
Limiter Decay (dB/mS)		50	50		50	50		50	50
Limiter Hold (mS)		5	5		5	5		5	5
Channel 1 Mode (L,R,L+R)									
Channel 4 Mode (L,R,L+R)									
Output Knobs (dB)		0	0		0	0		0	0
Input Knob (dB)		0			0			0	
2-Way L-R Mode		Select Link or Independent		Select Link or Independent			Select Link or Independent		
Delay Units		uSec		uSec			uSec		
Limiter Thresh. Reference		dBu (0dBu=775v)		dBu (0dBu=775v)			dBu (0dBu=775v)		
VU Display		No Peak (dB from clip)		No Peak (dB from clip)			No Peak (dB from clip)		

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Knobs

Options

**EV X-Array Touring Loudspeakers
KT DN8000 Digital Parameters**

Loudspeaker System		Xn & Xds - Mono					Xn - Stereo				
Notes Un-hide cells for revision history and specific system notes.		* Use for short/mid-throw mono applications with subs, but without additional bass boxes (small FOH, sidefill, frontfill) * Xn Relative Delays: HF:1000uS, MB:0uS, LF:0uS * Delay Xf, Xn, Xcn, Xb & Xcb 2500uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary					* Use for short/mid-throw stereo applications without additional bass boxes (small FOH, sidefill, downfill, frontfill) * Xn Relative Delays: HF:1000uS, MB:0uS, LF:0uS * Delay Xf, Xn, Xcn, Xb & Xcb 2500uS 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 DEC-04/04/99					DEC-01/20/98 DEC-04/04/99				
DN8000 Program Title		XN,XDS (Manual Program)					XN-ST (Manual Program)				
Main Input Master Delays (uS)		A: 20		B: 20			A: 20		B: 20		
Frequency Band		Xn	Xn	Xn	Xds	Xds	Xn	Xn	Xn	Xn	Xn
DN8000 Output		LF	MB	HF	SUB	SUB	LF	MB	HF	MB	HF
Input Source (A, B)		1	2	3	4	5	1	2	3	4	5
Output Align Delay (uS)		A	A	A	A	A	A+B	A	A	B	B
Output Align Delay (uS)		2520	2520	3520	20	20	2520	2520	3520	2520	3520
Polarity (Normal, Invert)		Invert	Norm	Norm	Invert	Invert	Invert	Norm	Norm	Norm	Norm
Phase Adjust (Deg.)		0	0	0	0	0	0	0	0	0	0
Output Mute (On, Off)		Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Digital Output Level (dB)		+9.0	0	0	+9.0	+9.0	+9.0	0	0	0	0
Output Display Label		Lo	Mid	Hi	Sub	Sub	Lo	Mid	Hi	Mid	Hi
HPF Freq. (Hz)		50.0	125	1.76k	33.7	33.7	50.0	125	1.76k	125	1.76k
HPF Resp. (Type-dB/Oct)		But24	LR24	LR24	But24	But24	But24	LR24	LR24	LR24	LR24
HPF Lift/Boost (dB)		0	0	0	0	0	0	0	0	0	0
LPF Freq. (Hz)		125.0	1.76k	16.0k	80.0	80.0	125.0	1.76k	16.0k	1.76k	16.0k
LPF Resp. (Type-dB/Oct)		LR24	LR24	But24	LR24	LR24	LR24	LR24	But24	LR24	But24
PEQ1 Freq. (Hz)		37.4	234	3.37k	37.4	37.4	37.4	234	3.37k	234	3.37k
PEQ1 BW (Oct)		0.5	0.7	0.8	0.5	0.5	0.5	0.7	0.8	0.7	0.8
PEQ1 Level (dB)		0	+1.0	-6.0	+4.0	+4.0	0	+1.0	-6.0	+1.0	-6.0
PEQ2 Freq. (Hz)		50.0	374	6.30k	50.0	50.0	50.0	374	6.30k	374	6.30k
PEQ2 BW (Oct)		0.4	0.5	0.7	0.4	0.4	0.4	0.5	0.7	0.5	0.7
PEQ2 Level (dB)		+3.0	0	-5.0	0	0	+3.0	0	-5.0	0	-5.0
LEQ Freq. (Hz)		71.7	717	1.0k	80.0	80.0	71.7	717	1.0k	717	1.0k
LEQ BW, SL (Oct, dB/Oct)		0.3	0.5	0.5	0.7	0.7	0.3	0.5	0.5	0.5	0.5
LEQ Level (dB)		0	-1.5	0	+1.0	+1.0	0	-1.5	0	-1.5	0
HEQ Freq. (Hz)		500	1.35k	14.0k	500	500	500	1.35k	14.0k	1.35k	14.0k
HEQ BW, SL (Oct, dB/Oct)		0.7	1.5	0.8	0.7	0.7	0.7	1.5	0.8	1.5	0.8
HEQ Level (dB)		0	-4.5	+8.0	0	0	0	-4.5	+8.0	-4.5	+8.0
Comp. Thresh. (dBu)		+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0
Comp. Ratio (X:1)		2	3	3	2	2	2	3	3	3	3
Comp. Attack (mS)		10	10	1	10	10	10	10	1	10	1
Comp. Release (mS)		200	150	100	200	200	200	150	100	150	100
Gate Thresh. (dBu)		-80	-80	-80	-80	-80	-80	-80	-80	-80	-80
Gate Range (dB)		Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Gate Decay (dB/mS)		.02	.04	.06	.02	.02	.02	.04	.06	.04	.06
Limiter Thresh. (dBu)		+6.0	+4.0	+2.0	+6.0	+6.0	+6.0	+4.0	+2.0	+4.0	+2.0
Output Knobs (dB)		0	0	0	0	0	A: 0		B: 0		
Input Knobs (dB)		A: 0 B: 0					A: 0 B: 0				
Limiter Thresh. Reference		dBu (0dBu=.775v)					dBu (0dBu=.775v)				
Comp. Thresh. Ref. & Link		dBu (0dBu=.775v) No Linkage					dBu (0dBu=.775v) No Linkage				
Output Meter Reference		dB from Limit					dB from Limit				
Output Meter Peak Hold		Auto Clear					Auto Clear				
Delay Units & Temp. Comp.		uSec 20 Deg C Set					uSec 20 Deg C Set				
Maximum Output Voltage		2.45v: Power Amp (+10.0 dBu)					2.45v: Power Amp (+10.0 dBu)				