

EV Model X-Array Touring Loudspeakers
EV Dx34A Digital Parameters

Dx34A Software Rev.: 3.01

File: XW12DN10.xls

Loudspeaker System		Xw12			Xw12 & Xcb			
Notes		Floor Monitor			Drum Monitor			
		*2-Mix Floor Monitor			*Mono Drum Monitor			
Programmer: 1st Rev. - Last Rev.		DEC-09/18/98 DEC-09/18/98			DEC-09/18/98 DEC-09/18/98			
Dx34A Program Title		Xw12			Xw12&Xcb			
Dx34A Configuration		2-Way			3-Way			
Frequency Band	FR	Xw12 LF	Xw12 HF	FR	Xcb Sub	Xw12 LF	Xw12 HF	
Dx34A Output	1,2,3&4	1/3	2/4	1,2&3	1	2	3	4
Input Master Delay (mS)	2.0			2.0				
Input Master PEQ Freq (Hz)	310							
Input Master PEQ Q (Q)	2.0							
Input Master PEQ Gain (dB)	-4.0							
Low-Cut Freq (Hz)		68			40			
Low-Cut Slope (dB/Oct)		12			12			
Low-Cut Q (Q)		1.0			1.0			
LSF Freq. (Hz)		180			60.0			
LSF Slope (dB/Oct)		6			12			
LSF Gain (dB)		0			0			
HPF Freq. (Hz)			1250			80.0	1250	
HPF Resp. (Type-dB/Oct)			LR24			LR24	LR24	
PEQ1 Freq. (Hz)		1120	3300		64.0	310	3300	
PEQ1 Q (Q)		3.0	2.3		3.0	2.0	2.3	
PEQ1 Gain (dB)		-3.0	-6.0		-3.0	-4.0	-6.0	
PEQ2 Freq. (Hz)			6200			1120	6200	
PEQ2 Q (Q)			1.4			3.0	1.4	
PEQ2 Gain (dB)			-4.0			-3.0	-4.0	
LPF Freq. (Hz)		1250			80.0	1250		
LPF Resp. (Type-dB/Oct)		LR24			LR24	LR24		
HSF Freq. (Hz)			8400				8400	
HSF Slope (dB/Oct)			12				12	
HSF Gain (dB)			+4.0				+4.0	
Output Align Delay (uS)		448	0		0	448	0	
Polarity (Normal, Invert)		Norm	Norm		Invert	Norm	Norm	
Digital Output Gain (dB)		+3.0	-2.0		+3.0	+3.0	-2.0	
Limiter Thresh. (dBu)		+21.0	+21.0		+21.0	+21.0	+21.0	
Limiter Decay (dB/mS)		50	50		50	50	50	
Limiter Hold (mS)		5	5		5	5	5	
Channel 1 Mode (L,R,L+R)					L			
Channel 4 Mode (L,R,L+R)								
Output Knobs (dB)		0	0		0	0	0	0
Input Knob (dB)		0		0				
2-Way L-R Mode		Select Link or Independent						
Delay Units		uSec			uSec			
Limiter Thresh. Reference		dBu (0dBu=.775v)			dBu (0dBu=.775v)			
VU Display		No Peak (dB from clip)			No Peak (dB from clip)			

Edit Menu

Knob

Options

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

Page 1 of 4
Dx34A Software Rev.: 3.01

Rev.: 1.00 - 08/03/98
File: XI-DX10.XLS

Loudspeaker System		Xi-1191 Step-Down Subwoofer Only	Xi-1191 Normal Subwoofer Only
Notes		*Subwoofer signal may be obtained in 2-Way configuration from either outputs 1 or 2. Subwoofer signal output may be obtained in 3-Way configuration from output 4. Two signal options are shown. *Use normal tuning for most circumstances. Use step-down tuning when extended subwoofer response is required. Foam block must be inserted in Xi-1191 port for step-down tuning to be used. *Adjust subwoofer level as necessary. Adjust subwoofer delay as necessary for LF summation with full-range system. *Adjust limiter for driver protection. *See full-range Xi systems & parameters for full-range output.	
Programmer: 1st Rev. - Last Rev.		DEC: 07/28/98 - 07/28/98	DEC: 07/28/98 - 07/29/98
Dx34A Program Title		XI-1191 S-D	XI-1191 NORM
Dx34A Configuration		See Notes	See Notes
Frequency Band		SUB	SUB
Dx34A Output		See Notes	See Notes
Edit Menu	Input Master Delay (mS)		
	Input Master PEQ Freq (Hz)		
	Input Master PEQ Q (Q)		
	Input Master PEQ Gain (dB)		
	Low-Cut Freq (Hz)	26.0	34.0
	Low-Cut Slope (dB/Oct)	12	12
	Low-Cut Q (Q)	1.2	1.0
	LSF Freq. (Hz)	80	80
	LSF Slope (dB/Oct)	6	6
	LSF Gain (dB)	0	0
	HPF Freq. (Hz)		
	HPF Resp. (Type-dB/Oct)		
	PEQ1 Freq. (Hz)	48.0	37.0
	PEQ1 Q (Q)	4.5	3.0
	PEQ1 Gain (dB)	-2.0	+1.0
	PEQ2 Freq. (Hz)		
	PEQ2 Q (Q)		
	PEQ2 Gain (dB)		
	LPF Freq. (Hz)	80	80
	LPF Resp. (Type-dB/Oct)	LR24	LR24
	HSF Freq. (Hz)		
	HSF Slope (dB/Oct)		
	HSF Gain (dB)		
	Output Align Delay (uS)	See Notes	See Notes
Polarity (Normal, Invert)	Invert	Invert	
Digital Output Gain (dB)	+6.0	+6.0	
Limiter Thresh. (dBu)	+6.0	+6.0	
Limiter Decay (dB/mS)	50	50	
Limiter Hold (mS)	5	5	
Channel 1 Mode (L,R,L+R)	Select	Select	
Channel 4 Mode (L,R,L+R)	Select	Select	
Knob	Output Knobs (dB)	0	0
	Input Knob (dB)	0	0
Options	2-Way L-R Mode		
	Delay Units	uSec	uSec
	Limiter Thresh. Reference	dBu (0dBu=.775v)	dBu (0dBu=.775v)
	VU Display	No Peak (dB from clip)	No Peak (dB from clip)

EV Xi X-Array Install Loudspeakers
EV Dx34A Digital Parameters

Loudspeaker System		XI-1153/64 3-Way Mono 3-Way + Subwoofer					Xi-2153/64 3-Way Mono 3-Way + Subwoofer				
Notes		*This configuration is for 3-way, no-overlap crossover. For dipole configuration, use Merlin ISP-100 crossover. *Adjust limiters for driver protection. *Subwoofer optional - See subwoofer parameter section.					*This configuration is for 3-way, no-overlap crossover. For tripole configuration, use Merlin ISP-100 crossover. *Adjust limiters for driver protection. *Subwoofer optional - See subwoofer parameter section.				
Programmer: 1st Rev. - Last Rev.		DEC: 07/28/98 - 07/29/98					DEC: 07/28/98 - 07/29/98				
Dx34A Program Title		XI-1153/64 3					XI-2153/64 3				
Dx34A Configuration		3-Way					3-Way				
Frequency Band		FR	1153/64 LF	1153/64 MB	1153/64 HF	1191 SUB	FR	2153/64 LF	2153/64 MB	2153/64 HF	1191 SUB
Dx34A Output		1,2&3	1	2	3	4	1,2&3	1	2	3	4
Edit Menu	Input Master Delay (mS)	2.0					2.0				
	Input Master PEQ Freq (Hz)										
	Input Master PEQ Q (Q)										
	Input Master PEQ Gain (dB)										
	Low-Cut Freq (Hz)		52.0					52.0			
	Low-Cut Slope (dB/Oct)		12					12			
	Low-Cut Q (Q)		0.7					0.7			
	LSF Freq. (Hz)		80					80			
	LSF Slope (dB/Oct)		6					6			
	LSF Gain (dB)		0					0			
	HPF Freq. (Hz)			125	1760				125	1760	
	HPF Resp. (Type-dB/Oct)			LR	LR24				LR	LR24	
	PEQ1 Freq. (Hz)		112	184	4200			112	184	4200	
	PEQ1 Q (Q)		2.2	1.8	1.0			2.2	1.8	1.0	
	PEQ1 Gain (dB)		-3.0	-4.0	-4.0			-3.0	-5.0	-4.0	
	PEQ2 Freq. (Hz)			1120	14000				1120	14000	
	PEQ2 Q (Q)			0.6	2.0				0.6	2.0	
	PEQ2 Gain (dB)			-2.0	+10.0				-2.0	+10.0	
	LPF Freq. (Hz)		125	1760				125	1760		
	LPF Resp. (Type-dB/Oct)		LR24	LR24				LR24	LR24		
HSF Freq. (Hz)				7200					7200		
HSF Slope (dB/Oct)				6					6		
HSF Gain (dB)				+4.0					+4.0		
Output Align Delay (uS)		0	0	1003			0	0	1003		
Polarity (Normal, Invert)		Invert	Norm	Norm			Invert	Norm	Norm		
Digital Output Gain (dB)		+6.0	-2.0	-9.0			0	-2.0	-9.0		
Limiter Thresh. (dBu)		+6.0	+5.0	+3.0			+6.0	+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)		Select					Select				
Channel 4 Mode (L,R,L+R)											
Output Knobs (dB)		0	0	0			0	0	0		
Input Knob (dB)		0					0				
2-Way L-R Mode											
Delay Units		uSec					uSec				
Limiter Thresh. Reference		dBu (0dBu=.775v)					dBu (0dBu=.775v)				
VU Display		No Peak (dB from clip)					No Peak (dB from clip)				

See Xi-1191 Subwoofer Parameter Section for Normal & Step-Down Tuning

See Xi-1191 Subwoofer Parameter Section for Normal & Step-Down Tuning

EV XI X-Array Install Loudspeakers
EV Dx34A Digital Parameters

Loudspeaker System		Xi-1183/64 3-Way Mono 3-Way + Subwoofer					Xi-2183/64 3-Way Mono 3-Way + Subwoofer				
Notes		*This configuration is for 3-way, no-overlap crossover. For dipole configuration, use Merlin ISP-100 crossover. *Adjust limiters for driver protection. *Subwoofer optional - See subwoofer parameter section.					*This configuration is for 3-way, no-overlap crossover. For tripole configuration, use Merlin ISP-100 crossover. *Adjust limiters for driver protection. *Subwoofer optional - See subwoofer parameter section.				
Programmer: 1st Rev. - Last Rev.		DEC: 07/28/98 - 07/29/98					DEC: 07/28/98 - 07/29/98				
Dx34A Program Title		XI-1183/64 3					XI-2183/64 3				
Dx34A Configuration		3-Way					3-Way				
Frequency Band		FR	1183/64 LF	1183/64 MB	1183/64 HF	1191 SUB	FR	2183/64 LF	2183/64 MB	2183/64 HF	1191 SUB
Dx34A Output		1,2&3	1	2	3	4	1,2&3	1	2	3	4
Edit Menu	Input Master Delay (mS)	2.0					2.0				
	Input Master PEQ Freq (Hz)										
	Input Master PEQ Q (Q)										
	Input Master PEQ Gain (dB)										
	Low-Cut Freq (Hz)		48.0					48.0			
	Low-Cut Slope (dB/Oct)		12					12			
	Low-Cut Q (Q)		0.8					0.8			
	LSF Freq. (Hz)		80					80			
	LSF Slope (dB/Oct)		6					6			
	LSF Gain (dB)		0					0			
	HPF Freq. (Hz)			125	1760				125	1760	
	HPF Resp. (Type-dB/Oct)			LR	LR24				LR	LR24	
	PEQ1 Freq. (Hz)		82.0	184	4200			82.0	184	4200	
	PEQ1 Q (Q)		3.5	1.8	1.0			3.5	1.8	1.0	
	PEQ1 Gain (dB)		0	-4.0	-4.0			0	-5.0	-4.0	
	PEQ2 Freq. (Hz)			1120	14000				1120	14000	
	PEQ2 Q (Q)			0.6	2.0				0.6	2.0	
	PEQ2 Gain (dB)			-2.0	+10.0				-2.0	+10.0	
	LPF Freq. (Hz)			125	1760				125	1760	
	LPF Resp. (Type-dB/Oct)			LR24	LR24				LR24	LR24	
	HSF Freq. (Hz)				7200					7200	
	HSF Slope (dB/Oct)				6					6	
	HSF Gain (dB)				+4.0					+4.0	
	Output Align Delay (uS)			0	0	1003			0	0	1003
	Polarity (Normal, Invert)			Invert	Norm	Norm			Invert	Norm	Norm
Digital Output Gain (dB)			+4.0	-2.0	-9.0			-2.0	-2.0	-9.0	
Limiter Thresh. (dBu)			+6.0	+5.0	+3.0			+6.0	+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)			Select					Select			
Channel 4 Mode (L,R,L+R)											
Output Knobs (dB)			0	0	0			0	0	0	
Input Knob (dB)		0					0				
Options	2-Way L-R Mode										
	Delay Units	uSec					uSec				
	Limiter Thresh. Reference	dBu (0dBu=-775v)					dBu (0dBu=-775v)				
	VU Display	No Peak (dB from clip)					No Peak (dB from clip)				

See Xi-1191 Subwoofer Parameter Section for Normal & Step-Down Tuning

See Xi-1191 Subwoofer Parameter Section for Normal & Step-Down Tuning

See Xi-116

**EV Xi-2153/64 3-Way Loudspeakers
KT DN8000 Digital Parameters**

File: Xi2153643WDM.XLS

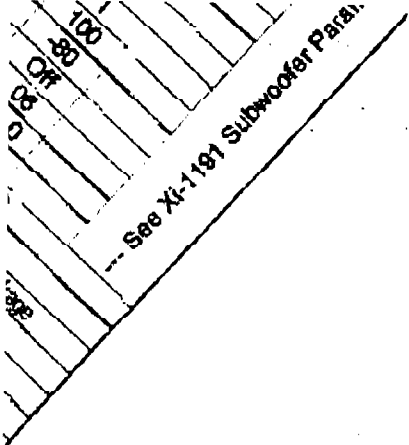
DN8000 Software Rev.: V1.15

Loudspeaker System		Xi-2153/64 Mono 3-Way + Sub				
Notes		*This configuration for 3-way, no-overlap crossover. For tripole configuration, use Merlin ISP-100 crossover. *Adjust limiters for driver protection. *Adjust compressors & gates as necessary. *Subwoofer optional - See Subwoofer parameter section.				
Programmer: 1st Rev. - Last Rev.		DEC: 07/22/98 - DEC: 07/28/98				
DN8000 Program Title		XI-2153/64 3W				
Main Input Master Delays (uS)		A: 20		B: 20		
Frequency Band		2153/64	2153/64	2153/64	1191	
DN8000 Output		LF	MB	HF	SUB	
Input Source (A, B)		1	2	3	4	5
Main Menu	Output Align Delay (uS)	A	A	A		
	Polarity (Normal, invert)	20	20	1020		
	Phase Adjust (Deg.)	Invert	Norm	Norm		
	Output Mute (On, Off)	0	0	0		
	Digital Output Level (dB)	Off	Off	Off		
	Output Display Label	+6.0	+4.0	+2.0		
	Output Display Label	Lo	Mid	Hi		
EQ Menu	HPF Freq. (Hz)	53.6	125	1.78k		
	HPF Resp. (Type-dB/Oct)	But24	LR24	LR24		
	HPF Lift/Boost (dB)	0	0	0		
	LPF Freq. (Hz)	125	1.78k	16.0k		
	LPF Resp. (Type-dB/Oct)	LR24	LR24	But24		
	PEQ1 Freq. (Hz)	37.4	182	3.37k		
	PEQ1 BW (Oct)	0.5	0.8	0.8		
	PEQ1 Level (dB)	0	-5.5	-6.0		
	PEQ2 Freq. (Hz)	51.7	400	6.30k		
	PEQ2 BW (Oct)	0.4	0.5	0.7		
	PEQ2 Level (dB)	0	-0.5	-5.0		
	LEQ Freq. (Hz)	113	717	1.00k		
	LEQ BW, SL (Oct, dB/Oct)	0.6	0.5	LSF6		
LEQ Level (dB)	-3.0	-1.5	-9.0			
HEQ Freq. (Hz)	500	1.35k	14.0k			
HEQ BW, SL (Oct, dB/Oct)	0.7	1.2	0.6			
HEQ Level (dB)	0	-3.0	+8.0			
Dynamics Menu	Comp. Thresh. (dBu)	+10.0	+10.0	+10.0		
	Comp. Ratio (X:1)	2	3	3		
	Comp. Attack (mS)	10	10	1		
	Comp. Release (mS)	200	150	100		
	Gate Thresh. (dBu)	-80	-80	-80		
	Gate Range (dB)	Off	Off	Off		
	Gate Decay (dB/mS)	.02	.04	.06		
Limiters Menu	Limiters Thresh. (dBu)	+6.0	+5.0	+3.0		
Knob	Output Knobs (dB)	-6.0	-6.0	-6.0		
	Input Knobs (dB)	A: 0		B: 0		
Options Menu	Limiters Thresh. Reference	dBu (0dBu=775v)				
	Comp. Thresh. Ref. & Link	dBu (0dBu=775v)			No Linkage	
	Output Meter Reference	dB from Limit				
	Output Meter Peak Hold	Auto Clear				
	Delay Units & Temp. Comp.	uSec		20 Deg. C. Set		
Maximum Output Voltage		2.45v; Power Amp (+10.0 dBu)				

--- See Xi-1191 Subwoofer Parameter Section for Normal Tuning & Step-Down Tuning ---

**EV XI-1153/64 3-Way Loudspeakers
KT DN8000 Digital Parameters**

File: XI1153643WON.XLS
DN8000 Software Rev.: V1.15



Loudspeaker System		XI-1153/64 Mono 3-Way + Sub				
Notes		*This configuration for 3-way, no-overlap crossover. For dipole configuration, use Merlin ISP-100 crossover. *Adjust limiters for driver protection. *Adjust compressors & gates as necessary. *Subwoofer optional - Adjust levels as necessary.				
Programmer: 1st Rev. - Last Rev.		DEC: 07/22/98 - DEC: 07/28/98				
DN8000 Program Title		XI-1153/64 3W				
Main Input Master Delays (uS)		A: 20		B: 20		
Frequency Band		1153/64	1153/64	1153/64	1191	
DN8000 Output		LF	MB	HF	SUB	
Input Source (A, B)		1	2	3	4	5
Main Menu	Output Align Delay (uS)	A	A	A		
	Polarity (Normal, Invert)	20	20	1020		
	Phase Adjust (Deg.)	Invert	Norm	Norm		
	Output Mute (On, Off)	0	0	0		
	Digital Output Level (dB)	Off	Off	Off		
	Output Display Label	+12.0	+4.0	+2.0		
	HPF Freq. (Hz)	Lo	Mid	Hi		
	HPF Resp. (Type-dB/Oct)	53.5	125	1.76k		
	HPF Lift/Boost (dB)	But24	LR24	LR24		
	HPF Level (dB)	0	0	0		
EQ Menu	LPF Freq. (Hz)	125	1.76k	18.0k		
	LPF Resp. (Type-dB/Oct)	LR24	LR24	But24		
	PEQ1 Freq. (Hz)	37.4	182	3.37k		
	PEQ1 BW (Oct)	0.5	0.8	0.8		
	PEQ1 Level (dB)	0	-4.5	-6.0		
	PEQ2 Freq. (Hz)	51.7	400	6.30k		
	PEQ2 BW (Oct)	0.4	0.5	0.7		
	PEQ2 Level (dB)	0	-0.5	-5.0		
	LEQ Freq. (Hz)	113	717	1.00k		
	LEQ BW, SL (Oct, dB/Oct)	0.6	0.5	LSF6		
LEQ Level (dB)	-3.0	-1.5	-9.0			
Dynamics Menu	HEQ Freq. (Hz)	500	1.35k	14.0k		
	HEQ BW, SL (Oct, dB/Oct)	0.7	1.2	0.6		
	HEQ Level (dB)	0	-3.0	+8.0		
	Comp. Thresh. (dBu)	+10.0	+10.0	+10.0		
	Comp. Ratio (X:1)	2	3	3		
	Comp. Attack (mS)	10	10	1		
	Comp. Release (mS)	200	150	100		
	Gate Thresh. (dBu)	-80	-80	-80		
	Gate Range (dB)	Off	Off	Off		
	Gate Decay (dB/mS)	.02	.04	.06		
Knob	Limiter Thresh. (dBu)	+6.0	+5.0	+3.0		
	Output Knobs (dB)	-6.0	-8.0	-5.0		
Options Menu	Input Knobs (dB)	A: 0		B: 0		
	Limiter Thresh. Reference	dBu (0dBu=775v)				
	Comp. Thresh. Ref. & Link.	dBu (0dBu=775v) No Linkage				
	Output Meter Reference	dB from Limit				
	Output Meter Peak Hold	Auto Clear				
Delay Units & Temp. Comp.	uSec:				20 Deg C Set	
Maximum Output Voltage	2.45v Power Amp (+10.0 dBu)					

See XI-1181 Subwoofer Parameter Section for Normal Tuning & Step-Down Tuning

TOTAL P. 89

EV XI-2183/64 3-Way Loudspeakers KT DN8000 Digital Parameters

File: XI2183643WDN.XLS

DN8000 Software Rev.: V1.15

Loudspeaker System		XI-2183/64 Mono 3-Way + Sub				
Notes		*This configuration for 3-way, no-overlap crossover. For triple configuration, use Merlin ISP-100 crossover. *Adjust limiters for driver protection. *Adjust compressors & gates as necessary. *Subwoofer optional - See Subwoofer parameter section.				
Programmer: 1st Rev. - Last Rev.		DEC: 04/20/98 - DEC: 07/28/98				
DN8000 Program Title		XI-2183/64 3W				
Main Input Master Delays (uS)		A: 20		B: 20		
Frequency Band		2183/64	2183/64	2183/64		1191
DN8000 Output		LF	MB	HF		SUB
		1	2	3	4	5
Main Menu	Input Source (A, B)	A	A	A		
	Output Align Delay (uS)	20	20	1020		
	Polarity (Normal, Invert)	Invert	Norm	Norm		
	Phase Adjust (Deg.)	0	0	0		
	Output Mute (On, Off)	Off	Off	Off		
	Digital Output Level (dB)	+4.0	+4.0	+2.0		
	Output Display Label	Lo	Mid	Hi		
EQ Menu	HPF Freq. (Hz)	48.4	125	1.76k		
	HPF Resp. (Type-dB/Oct)	But24	LR24	LR24		
	HPF Lift/Boost (dB)	0	0	0		
	LPF Freq. (Hz)	125	1.76k	16.0k		
	LPF Resp. (Type-dB/Oct)	LR24	LR24	But24		
	PEQ1 Freq. (Hz)	37.4	182	3.37k		
	PEQ1 BW (Oct)	0.5	0.8	0.8		
	PEQ1 Level (dB)	0	-5.5	-6.0		
	PEQ2 Freq. (Hz)	50.0	400	6.30k		
	PEQ2 BW (Oct)	0.4	0.5	0.7		
	PEQ2 Level (dB)	+2.0	-0.5	-5.0		
	LEQ Freq. (Hz)	82.8	717	1.00k		
	LEQ BW, SL (Oct, dB/Oct)	0.4	0.5	LSF6		
	LEQ Level (dB)	0	-1.5	-9.0		
HEQ Freq. (Hz)	500	1.35k	14.0k			
HEQ BW, SL (Oct, dB/Oct)	0.7	1.2	0.6			
HEQ Level (dB)	0	-3.0	+8.0			
Dynamics Menu	Comp. Thresh. (dBu)	+10.0	+10.0	+10.0		
	Comp. Ratio (X:1)	2	3	3		
	Comp. Attack (mS)	10	10	1		
	Comp. Release (mS)	200	180	100		
	Gate Thresh. (dBu)	-80	-80	-80		
	Gate Range (dB)	Off	Off	Off		
	Gate Decay (dB/mS)	.02	.04	.06		
Knob	Limiter Thresh. (dBu)	+6.0	+5.0	+3.0		
	Output Knobs (dB)	-6.0	-6.0	-6.0		
Options Menu	Input Knobs (dB)	A: 0	B: 0			
	Limiter Thresh. Reference	dBu (0dBu=775v)				
	Comp. Thresh. Ref. & Link.	dBu (0dBu=775v) No Linkage				
	Output Meter Reference	dB from Limit				
	Output Meter Peak Hold	Auto Clear				
Delay Units & Temp. Comp.	uSec 20 Deg C Set					
Maximum Output Voltage	2.45v Power Amp (+10.0 dBu)					

See XI-1101 Subwoofer Parameter Section for Normal Tuning & Step-Down Tuning