

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

<b>Loudspeaker System</b>		<b>Xi-2122/42, Xi-2181 &amp; Xi-1183/64 3-Way</b>				
<b>Notes</b>		*2122 & 2181 are in 3-way configuration with no sub. *1183 is in conventional 3-way active configuration (no LF/MB overlap). DN8000 cannot be used for dipole configuration. *Turn 1183 LF amp down 6dB if share 2181 drive signal *Adjust limiters for driver protection. *Adjust compressors & gates as necessary.				
Un-hide cells for revision history and specific system notes.						
Programmer: 1st Rev. - Last Rev.		DEC: 04/04/99 - DEC: 06/27/99				
<b>DN8000 Program Title</b>		<b>2122/81/83</b>				
<b>Main Input Master Delays (uS)</b>		A: 1729		B: 1729		
<b>Frequency Band</b>		2181/1183	2122/42	2122/42	1186/64	1186/64
<b>DN8000 Output</b>		1	2	3	4	5
ME	<b>Input Source (A, B)</b>	A	A	A	A	A
	<b>Output Align Delay (uS)</b>	0	0	1042	0	1000
	<b>Polarity (Normal, Invert)</b>	Invert	Norm	Norm	Norm	Norm
	<b>Phase Adjust (Deg.)</b>	0	0	0	0	0
	<b>Output Mute (On, Off)</b>	Off	Off	Off	Off	Off
	<b>Digital Output Level (dB)</b>	+9.0	+6.0	+2.0	+4.0	+2.0
	<b>Output Display Label</b>	Lo	Mid	Hi	Mid	Hi
EQ	<b>HPF Freq. (Hz)</b>	42.6	125	1.76k	125	1.76k
	<b>HPF Resp. (Type-dB/Oct)</b>	But24	LR24	LR24	LR24	LR24
	<b>HPF Lift/Boost (dB)</b>	0	0	0	0	0
	<b>LPF Freq. (Hz)</b>	125	1.76k	16.0k	1.76k	16.0k
	<b>LPF Resp. (Type-dB/Oct)</b>	LR24	LR24	But24	LR24	But24
	<b>PEQ1 Freq. (Hz)</b>	37.4	234	3.37k	182	3.37k
	<b>PEQ1 BW (Oct)</b>	0.5	0.7	0.7	0.8	0.8
	<b>PEQ1 Level (dB)</b>	+4.0	+3.0	-3.5	-4.5	-6.0
	<b>PEQ2 Freq. (Hz)</b>	50.0	400	6.30k	400	6.30k
	<b>PEQ2 BW (Oct)</b>	0.4	0.5	0.7	0.5	0.7
	<b>PEQ2 Level (dB)</b>	0	-2.0	-3.0	-0.5	-5.0
	<b>LEQ Freq. (Hz)</b>	67.2	717	1.00k	717	1.00k
	<b>LEQ BW, SL (Oct, dB/Oct)</b>	0.3	0.4	0.5	0.5	LSF6
	<b>LEQ Level (dB)</b>	-3.0	-0.5	0	-1.5	-9.0
D	<b>HEQ Freq. (Hz)</b>	500	1.35k	14.0k	1.35k	14.0k
	<b>HEQ BW, SL (Oct, dB/Oct)</b>	0.7	1.5	0.7	1.2	0.7 A
	<b>HEQ Level (dB)</b>	0	-1.0	+7.0	-3.0	+8.0
	<b>Comp. Thresh. (dBu)</b>	+10.0	+10.0	+10.0	+10.0	+10.0
	<b>Comp. Ratio (X:1)</b>	2	3	3	3	3
	<b>Comp. Attack (mS)</b>	10	10	1	10	1
	<b>Comp. Release (mS)</b>	200	150	100	150	100
	<b>Gate Thresh. (dBu)</b>	-80	-80	-80	-80	-80
	<b>Gate Range (dB)</b>	Off	Off	Off	Off	Off
	<b>Gate Decay (dB/mS)</b>	.02	.04	.06	.04	.06
L	<b>Limiter Thresh. (dBu)</b>	+6.0	+4.0	+2.0	+5.0	+3.0
	<b>Output Knobs (dB)</b>	-6.0	-6.0	-6.0	-6.0	-6.0
O	<b>Input Knobs (dB)</b>	A: 0		B: 0		
	<b>Limiter Thresh. Reference</b>	dBu (0dBu=775v)				
	<b>Comp. Thresh. Ref. &amp; Link</b>	dBu (0dBu=775v) No Linkage				
	<b>Output Meter Reference</b>	dB from Limit				
	<b>Output Meter Peak Hold</b>	Auto Clear				
	<b>Delay Units &amp; Temp. Comp.</b>	uSec 80 Der C Set				
	<b>Maximum Output Voltage</b>	2.45v: Power Amp (+10.0 dBu)				

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

Loudspeaker System		Xi-2122/42 & Xi-2181 3-Way w/ Xi-1191N Sub					Xi-2122/42 & Xi-2181 3-Way w/ Xi-1191S Sub				
Notes Un-hide cells for revision history and specific system notes.		*2122 & 2181 are in 3-way configuration with no sub. *Sub overlaps full-range system below 80 Hz. Sub may have separate input. *Use 1191 with Normal tuning (all ports open) for maximum bass output with most program material. *Adjust limiters for driver protection. *Adjust compressors & gates as necessary.					*2122 & 2181 are in 3-way configuration with no sub. *Sub overlaps full-range system below 80 Hz. Sub may have separate input. *Use 1191 with Step-Down tuning (foam block in one port) for Sub special effects. *Adjust limiters for driver protection. *Adjust compressors & gates as necessary.				
Programmer: 1st Rev. - Last Rev.		DEC: 04/04/99 - DEC: 06/27/99					DEC: 04/04/99 - DEC: 06/27/99				
DN8000 Program Title		2122/81/91N					2122/81/91S				
Main Input Master Delays (uS)		A: 1729		R: 1729			A: 1729		R: 1729		
Frequency Band		2181	2122/42	2122/42		1191N	2181	2122/42	2122/42		1191S
DN8000 Output		LF	MB	HF		SUB	LF	MB	HF		SUB
Input Source (A, B)		1	2	3	4	5	1	2	3	4	5
Main Menu	Output Align Delay (uS)	A	A	A		A,B,A+B	A	A	A		A,B,A+B
	Output Mute (On, Off)	2500	2500	2542		0	2500	2500	2542		0
	Polarity (Normal, Invert)	Invert	Norm	Norm		Invert	Invert	Norm	Norm		Invert
	Phase Adjust (Deg.)	0	0	0		0	0	0	0		0
	Digital Output Level (dB)	Off	Off	Off		Off	Off	Off	Off		Off
	Output Display Label	+9.0	+6.0	+2.0		+9.0	+9.0	+6.0	+2.0		+9.0
	Output Display Label	Lo	Mid	Hi		Sub	Lo	Mid	Hi		Sub
EQ Menu	HPF Freq. (Hz)	42.6	125	1.76k		31.5	42.6	125	1.76k		23.4
	HPF Resp. (Type-dB/Oct)	But24	LR24	LR24		But24	But24	LR24	LR24		But24
	HPF Lift/Boost (dB)	0	0	0		0	0	0	0		0
	LPF Freq. (Hz)	125	1.76k	16.0k		80.0	125	1.76k	16.0k		80.0
	LPF Resp. (Type-dB/Oct)	LR24	LR24	But24		LR24	LR24	LR24	But24		LR24
	PEQ1 Freq. (Hz)	37.4	234	3.37k		37.4	37.4	234	3.37k		29.5
	PEQ1 BW (Oct)	0.5	0.7	0.7		0.5	0.5	0.7	0.7		0.6
	PEQ1 Level (dB)	+4.0	+3.0	-3.5		+4.0	+4.0	+3.0	-3.5		+5.0
	PEQ2 Freq. (Hz)	50.0	400	6.30k		50.0	50.0	400	6.30k		48.4
	PEQ2 BW (Oct)	0.4	0.5	0.7		0.4	0.4	0.5	0.7		0.3
	PEQ2 Level (dB)	0	-2.0	-3.0		0	0	-2.0	-3.0		-1.5
	LEQ Freq. (Hz)	67.2	717	1.00k		75.0	67.2	717	1.00k		75.0
	LEQ BW, SL (Oct, dB/Oct)	0.3	0.4	0.5		0.7	0.3	0.4	0.5		0.7
	LEQ Level (dB)	-3.0	-0.5	0		0	-3.0	-0.5	0		0
HEQ Freq. (Hz)	500	1.35k	14.0k		500	500	1.35k	14.0k		500	
HEQ BW, SL (Oct, dB/Oct)	0.7	1.5	0.5		0.7	0.7	1.5	0.5		0.7	
HEQ Level (dB)	0	-1.0	+7.0		0	0	-1.0	+7.0		0	
Dynamics Menu	Comp. Thresh. (dBu)	+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	3	3		2
	Comp. Attack (mS)	10	10	1		10	10	10	1		10
	Comp. Release (mS)	200	150	100		200	200	150	100		200
	Gate Thresh. (dBu)	-80	-80	-80		-80	-80	-80	-80		-80
	Gate Range (dB)	Off	Off	Off		Off	Off	Off	Off		Off
	Gate Decay (dB/mS)	.02	.04	.06		.02	.02	.04	.06		.02
Knob	Limiter Thresh. (dBu)	+6.0	+4.0	+2.0		+6.0	+6.0	+4.0	+2.0		+6.0
	Output Knobs (dB)	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0
Options Menu	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)					

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**KT DN8000 Digital Parameters**

Loudspeaker System		Xi-2122/42 & Xi-2181 Mono 3-Way					Xi-2122/42 & Xi-2181 Stereo 3-Way				
Notes		*2122 & 2181 are in 3-way configuration with no sub. *Adjust limiters for driver protection. *Adjust compressors & gates as necessary.					*2122 & 2181 are in 3-way configuration with no sub. *Adjust limiters for driver protection. *Adjust compressors & gates as necessary.				
Un-hide calls for revision history and specific system notes.											
Programmer: 1st Rev. - Last Rev.		DEC: 04/04/99 - DEC: 06/27/99					DEC: 04/04/99 - DEC: 09/27/99				
DN8000 Program Title		2122/2181M					2122/2181S				
Main Input Master Delays (uS)		A: 1729		B: 1729			A: 1729		B: 1729		
Frequency Band		2181	2122/42	2122/42	2122/42	2122/42	2181	2122/42	2122/42	2122/42	2122/42
DN8000 Output		1	2	3	4	5	1	2	3	4	5
Input Source (A, B)		A	A	A	A	A	A+B	A	A	B	B
Output Align Delay (uS)		0	0	1042	0	1042	0	0	1042	0	1042
Polarity (Normal, Invert)		Invert	Norm	Norm	Norm	Norm	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	+6.0	+2.0	+6.0	+2.0	+9.0	+6.0	+2.0	+6.0	+2.0
Output Display Label		Lo	Mid	Hi	Mid	Hi	Lo	Mid	Hi	Mid	Hi
EQ Menu	HPF Freq. (Hz)	42.6	125	1.76k	125	1.76k	42.6	125	1.76k	125	1.76k
	HPF Resp. (Type-dB/Oct)	But24	LR24	LR24	LR24	LR24	But24	LR24	LR24	LR24	LR24
	HPF Lift/Boost (dB)	0	0	0	0	0	0	0	0	0	0
	LPF Freq. (Hz)	125	1.76k	16.0k	1.76k	16.0k	125	1.76k	16.0k	1.76k	16.0k
	LPF Resp. (Type-dB/Oct)	LR24	LR24	But24	LR24	But24	LR24	LR24	But24	LR24	But24
	PEQ1 Freq. (Hz)	37.4	234	3.37k	234	3.37k	37.4	234	3.37k	234	3.37k
	PEQ1 BW (Oct)	0.5	0.7	0.7	0.7	0.7	0.5	0.7	0.7	0.7	0.7
	PEQ1 Level (dB)	+4.0	+3.0	-3.5	+3.0	-3.5	+4.0	+3.0	-3.5	+3.0	-3.5
	PEQ2 Freq. (Hz)	50.0	400	6.30k	400	6.30k	50.0	400	6.30k	400	6.30k
	PEQ2 BW (Oct)	0.4	0.5	0.7	0.5	0.7	0.4	0.5	0.7	0.5	0.7
	PEQ2 Level (dB)	0	-2.0	-3.0	-2.0	-3.0	0	-2.0	-3.0	-2.0	-3.0
	LEQ Freq. (Hz)	67.2	717	1.00k	717	1.00k	67.2	717	1.00k	717	1.00k
	LEQ BW, SL (Oct, dB/Oct)	0.3	0.4	0.5	0.4	0.5	0.3	0.4	0.5	0.4	0.5
	LEQ Level (dB)	-3.0	-0.5	0	-0.5	0	-3.0	-0.5	0	-0.5	0
	HEQ Freq. (Hz)	500	1.35k	14.0k	1.35k	14.0k	500	1.35k	14.0k	1.35k	14.0k
HEQ BW, SL (Oct, dB/Oct)	0.7	1.5	2.5	1.5	2.5	0.7	1.5	2.5	1.5	2.5	
HEQ Level (dB)	0	-1.0	+7.0	-1.0	+7.0	0	-1.0	+7.0	-1.0	+7.0	
Dynamics Menu	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	3	3	2	3	3	3	3
	Comp. Attack (mS)	10	10	1	10	1	10	10	1	10	1
	Comp. Release (mS)	200	150	100	150	100	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	.04	.06	.02	.04	.06	.04	.06
Knob	Limiter Thresh. (dBu)	+6.0	+4.0	+2.0	+4.0	+2.0	+6.0	+4.0	+2.0	+4.0	+2.0
	Output Knobs (dB)	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0
Options Menu	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)					dBu (0dBu=.775v)				
	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)					

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