

Appendix D: MACHINEDRUM VALUE/PITCH TABLE

TRX Machines

Note	Freq (Hz)	BD	XT	XC	SN/RS	Note	Freq (Hz)	CL
B1	30.9	1				B6	987.8	5
C2	32.7	7				C7	1047	11
C#2	34.6	12				C#7	1109	17
D2	36.7	17				D7	1175	23
D#2	38.9	23				D#7	1245	29
E2	41.2	28				E7	1319	36
F2	43.7	33				F7	1397	42
F#2	46.2	39				F#7	1480	48
G2	49	44				G7	1568	54
G#2	51.9	49				G#7	1661	60
A2	55	55				A7	1760	66
A#2	58.3	60				A#7	1865	72
B2	61.7	66				B7	1976	78
C3	65.4	71				C8	2093	84
C#3	69.3	76				C#8	2218	91
D3	73.4	82	2			D8	2349	97
D#3	77.8	87	7			D#8	2489	103
E3	82.4	92	12			E8	2637	109
F3	87.3	98	18	1		F8	2794	115
F#3	92.5	103	23	6		F#8	2960	121
G3	98	108	28	11		G8	3136	127
G#3	103.8	114	34	17				
A3	110	119	39	22				
A#3	116.5	124	44	27				
B3	123.5		49	33				
C4	130.8		55	38				
C#4	138.6		60	43				
D4	146.8		65	49				
D#4	155.6		71	54				
E4	164.8		76	60				
F4	174.6		81	65	3			
F#4	185		87	70	13			
G4	196		92	76	24			
G#4	207.7		97	81	35			
A4	220		103	86	45			
A#4	233.1		108	92	56			
B4	246.9		113	97	67			
C5	261.6		118	102	77			
C#5	277.2		124	108	88			
D5	293.7			113	98			
D#5	311.1			118	109			
E5	329.6			124	120			
F5	349.2				121			
F#5	370				123			
G5	392				126			

ROM Machine

Note	Freq (Hz)	ROM
D#1		-63
E1		-60
F1		-57
F#1		-54
G1		-51
G#1	26	-48
A1	27.5	-45
A#1	29.1	-42
B1	30.9	-39
C2	32.7	-36
C#2	34.6	-33
D2	36.7	-30
D#2	38.9	-27
E2	41.2	-24
F2	43.7	-21
F#2	46.2	-18
G2	49	-15
G#2	51.9	-12
A2	55	-9
A#2	58.3	-6
B2	61.7	-3
C3	65.4	0
C#3	69.3	3
D3	73.4	6
D#3	77.8	9
E3	82.4	12
F3	87.3	15
F#3	92.5	18
G3	98	21
G#3	103.8	24
A3	110	27
A#3	116.5	30
B3	123.5	33
C4	130.8	36
C#4	138.6	39
D4	146.8	42
D#4	155.6	45
E4	164.8	48
F4	174.6	51
F#4	185	54
G4	196	57
G#4	207.7	60
A4	220	63

Appendix D: MACHINEDRUM VALUE/PITCH TABLE

EFM Machines

		BD	XT	SD	CP	HH	RS			SD	CP	HH	RS			CP
G#1	26	1						F5	349.2	78	35	27	17	D9	4699	123
A1	27.5	3						F#5	370	82	37	31	19	D#-9	4978	125
A#1	29.1	6						G5	392	86	39	35	22	E9	5274	127
B1	30.9	9						G#5	415.3	91	41	39	25			
C2	32.7	11						A5	440	95	43	44	27			
C#2	34.6	14						A#5	466.2	99	45	48	30			
D2	36.7	17						B5	493.9	103	47	52	33			
D#2	38.9	19						C6	523.3	108	49	56	35			
E2	41.2	22						C#6	554.4	112	51	61	38			
F2	43.7	25	1					D6	587.3	116	53	65	41			
F#2	46.2	27	7					D#6	622.3	120	55	69	43			
G2	49	30	12					E6	659.3	125	57	73	46			
G#2	51.9	33	17					F6	698.5		59	78	49			
A2	55	35	23					F#6	740		61	82	51			
A#2	58.3	38	28					G6	784		62	86	54			
B2	61.7	41	33					G#6	830.6		64	91	57			
C3	65.4	43	39					A6	880		66	95	59			
C#3	69.3	46	44					A#6	932.3		68	99	62			
D3	73.4	49	49					B6	987.8		70	103	65			
D#3	77.8	51	55					C7	1047		72	108	67			
E3	82.4	54	60					C#7	1109		74	112	70			
F3	87.3	57	65					D7	1175		76	116	73			
F#3	92.5	59	71					D#7	1245		78	120	75			
G3	98	62	76					E7	1319		80	125	78			
G#3	103.8	65	81					F7	1397		82		81			
A3	110	67	87					F#7	1480		84		83			
A#3	116.5	70	92					G7	1568		86		86			
B3	123.5	73	97	1	0			G#7	1661		88		89			
C4	130.8	75	102	5	2			A7	1760		90		91			
C#4	138.6	78	108	9	4			A#7	1865		92		94			
D4	146.8	81	113	14	6			B7	1976		94		97			
D#4	155.6	83	118	18	8			C8	2093		95		99			
E4	164.8	86	124	22	10			C#8	2218		97		102			
F4	174.6	89		27	12			D8	2349		99		105			
F#4	185	91		31	14			D#8	2489		101		107			
G4	196	94		35	16			E8	2637		103		110			
G#4	207.7	97		39	18			F8	2794		105		113			
A4	220	99		44	20			F#8	2960		107		115			
A#4	233.1	102		48	22			G8	3136		109		118			
B4	246.9	105		52	24	1	1	G#8	3322		111		121			
C5	261.6	107		56	26	5	3	A-8	3520		113		123			
C#5	277.2	110		61	28	9	6	A#8	3729		115		126			
D5	293.7	113		65	29	14	9	B8	3951		117					
D#5	311.1	115		69	31	18	11	C9	4186		119					
E5	329.6	118		73	33	22	14	C#9	4435		121					