

Soundtraxx PWM

period = (255-CV9) • 204.8µs (note divide by 1000 to get ms)

CV9	CV9	period	Freq		CV9	CV9	period	Freq		CV9	CV9	period	Freq		CV9	CV9	period	Freq
dec	hex	mS	Hz		dec	hex	mS	Hz		dec	hex	mS	Hz		dec	hex	mS	Hz
0	0	52.2	19.1		64	40	39.1	25.6		128	80	26.0	38.4		192	C0	12.9	77.5
1	1	52.0	19.2		65	41	38.9	25.7		129	81	25.8	38.8		193	C1	12.7	78.8
2	2	51.8	19.3		66	42	38.7	25.8		130	82	25.6	39.1		194	C2	12.5	80.0
3	3	51.6	19.4		67	43	38.5	26.0		131	83	25.4	39.4		195	C3	12.3	81.4
4	4	51.4	19.5		68	44	38.3	26.1		132	84	25.2	39.7		196	C4	12.1	82.8
5	5	51.2	19.5		69	45	38.1	26.3		133	85	25.0	40.0		197	C5	11.9	84.2
6	6	51.0	19.6		70	46	37.9	26.4		134	86	24.8	40.4		198	C6	11.7	85.7
7	7	50.8	19.7		71	47	37.7	26.5		135	87	24.6	40.7		199	C7	11.5	87.2
8	8	50.6	19.8		72	48	37.5	26.7		136	88	24.4	41.0		200	C8	11.3	88.8
9	9	50.4	19.8		73	49	37.3	26.8		137	89	24.2	41.4		201	C9	11.1	90.4
10	A	50.2	19.9		74	4A	37.1	27.0		138	8A	24.0	41.7		202	CA	10.9	92.1
11	B	50.0	20.0		75	4B	36.9	27.1		139	8B	23.8	42.1		203	CB	10.6	93.9
12	C	49.8	20.1		76	4C	36.7	27.3		140	8C	23.6	42.5		204	CC	10.4	95.7
13	D	49.6	20.2		77	4D	36.5	27.4		141	8D	23.3	42.8		205	CD	10.2	97.7
14	E	49.4	20.3		78	4E	36.2	27.6		142	8E	23.1	43.2		206	CE	10.0	99.6
15	F	49.2	20.3		79	4F	36.0	27.7		143	8F	22.9	43.6		207	CF	9.8	101.7
16	10	48.9	20.4		80	50	35.8	27.9		144	90	22.7	44.0		208	D0	9.6	103.9
17	11	48.7	20.5		81	51	35.6	28.1		145	91	22.5	44.4		209	D1	9.4	106.1
18	12	48.5	20.6		82	52	35.4	28.2		146	92	22.3	44.8		210	D2	9.2	108.5
19	13	48.3	20.7		83	53	35.2	28.4		147	93	22.1	45.2		211	D3	9.0	111.0
20	14	48.1	20.8		84	54	35.0	28.6		148	94	21.9	45.6		212	D4	8.8	113.6
21	15	47.9	20.9		85	55	34.8	28.7		149	95	21.7	46.1		213	D5	8.6	116.3
22	16	47.7	21.0		86	56	34.6	28.9		150	96	21.5	46.5		214	D6	8.4	119.1
23	17	47.5	21.0		87	57	34.4	29.1		151	97	21.3	47.0		215	D7	8.2	122.1
24	18	47.3	21.1		88	58	34.2	29.2		152	98	21.1	47.4		216	D8	8.0	125.2
25	19	47.1	21.2		89	59	34.0	29.4		153	99	20.9	47.9		217	D9	7.8	128.5
26	1A	46.9	21.3		90	5A	33.8	29.6		154	9A	20.7	48.3		218	DA	7.6	132.0
27	1B	46.7	21.4		91	5B	33.6	29.8		155	9B	20.5	48.8		219	DB	7.4	135.6
28	1C	46.5	21.5		92	5C	33.4	30.0		156	9C	20.3	49.3		220	DC	7.2	139.5
29	1D	46.3	21.6		93	5D	33.2	30.1		157	9D	20.1	49.8		221	DD	7.0	143.6
30	1E	46.1	21.7		94	5E	33.0	30.3		158	9E	19.9	50.3		222	DE	6.8	148.0
31	1F	45.9	21.8		95	5F	32.8	30.5		159	9F	19.7	50.9		223	DF	6.6	152.6
32	20	45.7	21.9		96	60	32.6	30.7		160	A0	19.5	51.4		224	E0	6.3	157.5
33	21	45.5	22.0		97	61	32.4	30.9		161	A1	19.3	51.9		225	E1	6.1	162.8
34	22	45.3	22.1		98	62	32.2	31.1		162	A2	19.0	52.5		226	E2	5.9	168.4
35	23	45.1	22.2		99	63	31.9	31.3		163	A3	18.8	53.1		227	E3	5.7	174.4
36	24	44.9	22.3		100	64	31.7	31.5		164	A4	18.6	53.7		228	E4	5.5	180.8
37	25	44.6	22.4		101	65	31.5	31.7		165	A5	18.4	54.3		229	E5	5.3	187.8
38	26	44.4	22.5		102	66	31.3	31.9		166	A6	18.2	54.9		230	E6	5.1	195.3
39	27	44.2	22.6		103	67	31.1	32.1		167	A7	18.0	55.5		231	E7	4.9	203.5
40	28	44.0	22.7		104	68	30.9	32.3		168	A8	17.8	56.1		232	E8	4.7	212.3
41	29	43.8	22.8		105	69	30.7	32.6		169	A9	17.6	56.8		233	E9	4.5	221.9
42	2A	43.6	22.9		106	6A	30.5	32.8		170	AA	17.4	57.4		234	EA	4.3	232.5
43	2B	43.4	23.0		107	6B	30.3	33.0		171	AB	17.2	58.1		235	EB	4.1	244.1
44	2C	43.2	23.1		108	6C	30.1	33.2		172	AC	17.0	58.8		236	EC	3.9	257.0
45	2D	43.0	23.3		109	6D	29.9	33.4		173	AD	16.8	59.5		237	ED	3.7	271.3
46	2E	42.8	23.4		110	6E	29.7	33.7		174	AE	16.6	60.3		238	EE	3.5	287.2
47	2F	42.6	23.5		111	6F	29.5	33.9		175	AF	16.4	61.0		239	EF	3.3	305.2
48	30	42.4	23.6		112	70	29.3	34.1		176	B0	16.2	61.8		240	F0	3.1	325.5
49	31	42.2	23.7		113	71	29.1	34.4		177	B1	16.0	62.6		241	F1	2.9	348.8
50	32	42.0	23.8		114	72	28.9	34.6		178	B2	15.8	63.4		242	F2	2.7	375.6
51	33	41.8	23.9		115	73	28.7	34.9		179	B3	15.6	64.2		243	F3	2.5	406.9
52	34	41.6	24.1		116	74	28.5	35.1		180	B4	15.4	65.1		244	F4	2.3	443.9
53	35	41.4	24.2		117	75	28.3	35.4		181	B5	15.2	66.0		245	F5	2.0	488.3
54	36	41.2	24.3		118	76	28.1	35.6		182	B6	15.0	66.9		246	F6	1.8	542.5
55	37	41.0	24.4		119	77	27.9	35.9		183	B7	14.7	67.8		247	F7	1.6	610.4
56	38	40.8	24.5		120	78	27.6	36.2		184	B8	14.5	68.8		248	F8	1.4	697.5
57	39	40.6	24.7		121	79	27.4	36.4		185	B9	14.3	69.8		249	F9	1.2	813.8
58	3A	40.3	24.8		122	7A	27.2	36.7		186	BA	14.1	70.8		250	FA	1.0	976.6
59	3B	40.1	24.9		123	7B	27.0	37.0		187	BB	13.9	71.8		251	FB	0.8	1220.7
60	3C	39.9	25.0		124	7C	26.8	37.3		188	BC	13.7	72.9		252	FC	0.6	1627.6
61	3D	39.7	25.2		125	7D	26.6	37.6		189	BD	13.5	74.0		253	FD	0.4	2441.4
62	3E	39.5	25.3		126	7E	26.4	37.9		190	BE	13.3	75.1		254	FE	0.2	4882.8
63	3F	39.3	25.4		127	7F	26.2	38.1		191	BF	13.1	76.3		255	FF	0.0	∞