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DATA LIST

DATEN-LISTE

LISTE DE DONNÉES

tone generator

MOTIF-RACK

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Normal Voice List

Some stereo Voices include stereo Elements. Since a stereo Element is made up of stereo (two-channel) data, the maximum Elements used in a Voice containing such Elements may be more than four, even though a Voice can have only up to four Elements.

Preset1 (MSB=63, LSB=0)

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
1	Ap	PowerGrand	4	2
2	Ap	Jazz Grand	4	2
3	Ap	Dark Grand	4	2
4	Ap	CP 80	4	1
5	Kb	CP80&EP	4	4
6	Kb	Yama EP's	4	4
7	Ap	BalladKeys	4	3
8	Ap	80s Layer	3	4
9	Ap	Piano&Strg	4	4
10	Ap	Piano Ooh	3	4
11	Ap	PianoBakup	3	4
12	Kb	Max Tine	4	3
13	Kb	Early Fusn	4	2
14	Kb	Vintage'74	4	1
15	Kb	Sweetness	3	1
16	Kb	DynoStrait	4	1
17	Kb	ChorusHard	4	1
18	Kb	VintagCase	4	1
19	Kb	ChorusDyno	4	1
20	Kb	80th Boost	4	1
21	Kb	Contempo	4	1
22	Kb	Early 70's	3	2
23	Kb	Tonight	4	1
24	Kb	E.PianoPad	3	3
25	Kb	TX802	3	2
26	Kb	ChorusBel	2	2
27	Kb	BellDX	3	3
28	Kb	Dark DX	3	3
29	Kb	GS Tines	3	2
30	Kb	Rich FM	4	4
31	Kb	FilteredDX	2	2
32	Kb	Ice Piano	3	3
33	Kb	WurliTrem	4	1
34	Kb	WurliAmped	3	1
35	Kb	TouchClavi	1	1
36	Kb	SuperClavi	2	2
37	Kb	StereoClav	2	2
38	Kb	HollowClav	3	2
39	Kb	Nu Phasing	4	2
40	Kb	Digi Clavi	1	1
41	Kb	PulseClavi	3	1
42	Cp	Twinkle	4	4
43	Cp	Stick Bell	3	3
44	Cp	Bell Chiff	4	2
45	Cp	FngrCymbl	4	2
46	Cp	ChorusBell	2	2
47	Cp	Tibetan	3	3
48	Cp	EastBell	4	5
49	Cp	Gamelan	3	2
50	Cp	IceBells	4	4
51	Cp	Digi Bell	1	1
52	Cp	Marimbell	3	4
53	Or	16+8+5&1/3	4	4
54	Or	Petit	1	1
55	Or	Glassy	4	4
56	Or	Jazzy	4	4
57	Or	Slow Jam	3	3
58	Or	Greasy	4	4
59	Or	Swishie	2	2
60	Or	Clean	2	2
61	Or	Full/CVib	2	2
62	Or	Mellow	2	1
63	Or	Nu Shade	3	3
64	Or	Cool Cat	4	4

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
65	Or	Flutey	1	1
66	Or	LeftManual	4	4
67	Or	DrawContrl	4	4
68	Or	Rocky	4	4
69	Or	Expensive	4	4
70	Or	Progressy	3	3
71	Or	Crunchy	4	4
72	Or	Early Bird	4	4
73	Or	Jazz Split	4	2
74	Or	GosplSplit	4	3
75	Or	Tradi	4	4
76	Or	Sunday	3	4
77	Or	BreathPipe	4	5
78	Or	Fluty Pipe	3	3
79	Or	Reedy Pipe	3	4
80	Pd	OohPipes	4	6
81	Gt	Flamenco	4	3
82	Gt	Nylon Jam	4	3
83	Gt	BriteSteel	2	2
84	Gt	Strums	3	3
85	Gt	Big Steel	4	4
86	Gt	Folk Steel	4	4
87	Gt	18 String	4	4
88	Gt	HarpsiGtr	3	3
89	Gt	HybridGtr	3	3
90	Gt	JazzGTrmelo	2	2
91	Gt	Velo Jazz	4	2
92	Gt	FM Jazz	2	1
93	Gt	For Funk	3	3
94	Gt	Spanky	2	2
95	Gt	Funkiest	4	4
96	Gt	Vin Strum	3	3
97	Gt	1CoilChors	2	2
98	Gt	CleanChors	4	2
99	Gt	ChorusPlus	1	1
100	Gt	SmoothChor	3	2
101	Gt	TexBoogie	3	3
102	Gt	Rockabilly	4	2
103	Gt	65 Combo	3	3
104	Gt	VinTremolo	2	2
105	Gt	Crunchoid	4	2
106	Gt	DynamicAmp	3	3
107	Gt	Feedback	3	3
108	Gt	VOODOOMAN	2	2
109	Gt	BlueLead	4	4
110	Gt	MeloRckLd	4	4
111	Gt	MetalMute	4	2
112	Gt	OverTheTop	4	2
113	Ba	RoundWound	3	2
114	Ba	FingerMan	2	1
115	Ba	PrecRW	3	2
116	Ba	PrecFW	2	2
117	Ba	HybridBass	4	4
118	Ba	Stand Up	3	2
119	Ba	Fretless	1	1
120	Ba	Slap&Fx	3	2
121	Ba	BriteSlap	4	2
122	Ba	Velo Bass	4	2
123	Co	Bs+Cym+Vb	4	3
124	Ba	Boogie on	3	3
125	Ba	MiniDetune	2	2
126	Ba	Long Spit	3	2
127	Ba	Tack Bass	3	3
128	Ba	Fat Octave	2	2

Preset2 (MSB=63, LSB=1)

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
1	St	Violin	4	2
2	St	Viola	2	2
3	St	Cello	3	2
4	St	SoloSpicat	3	1
5	St	2 Solos	4	4
6	St	Cello Duet	4	4
7	St	Trio	3	3
8	St	Chamber	4	4
9	St	Small Ens	4	4
10	St	Medium Ens	4	4
11	St	Ens Mix	1	2
12	St	Ensemble	1	2
13	St	Hard Ens	2	2
14	St	Background	3	5
15	St	BigSymphny	3	4
16	Br	Str/Horns	4	6
17	St	Stringy	2	4
18	St	Polystring	2	3
19	St	JP Strings	2	2
20	St	MournStrgs	2	3
21	St	The Pizz	4	4
22	Br	Fanfare	3	3
23	Br	Hi Brass	3	3
24	Br	Fat Sect	2	2
25	Br	Sforzando	3	4
26	Br	Symphony	4	5
27	Br	Big Band	3	3
28	Br	Big Band 2	4	5
29	Br	SaxBigBand	3	4
30	Br	MedmBrass	3	3
31	Br	Soft Brass	3	3
32	Br	SoftVeloBr	4	2
33	Br	TrpRomantc	2	2
34	Br	Phase Mute	3	1
35	Br	Legend	2	2
36	Br	Trombone	2	1
37	Br	Flugelleaz	4	2
38	Br	F.Horn Ens	4	4
39	Br	SlowAttack	4	5
40	Br	Strng/Bras	4	4
41	Br	Movie Ens	4	6
42	Br	Powered	3	3
43	Br	ObStuff	3	3
44	Br	Prophy	3	3
45	Br	AnalogBras	3	3
46	Br	After 1984	4	4
47	Rp	Soprano	3	3
48	Rp	Alto Vib	3	2
49	Rp	SaxEnsembl	4	4
50	Rp	Tenor Sax	4	2
51	Rp	Tenor Soft	4	3
52	Rp	The Winds	4	3
53	St	WindOrch	4	5
54	Rp	SweetFlute	3	1
55	Rp	PanBottle	4	3
56	Rp	AmpHarpMW	2	2
57	Ld	SmoothSaw	2	2
58	Ld	Lucky	2	2
59	Ld	Tri Solo	1	1
60	Ld	Syntrump	1	1
61	Ld	PWM Lead	2	2
62	Ld	Clicky Saw	4	4
63	Ld	Mini Pulse	2	2
64	Ld	Sync Lead	2	2

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
65	Pd	Altair	3	6
66	Pd	Analog	2	2
67	Pd	Sweetland	4	5
68	Pd	WarmSweepy	1	1
69	Pd	SinePad	2	2
70	Pd	Square	2	2
71	Pd	VoxPad	4	4
72	Pd	Pure Syn	2	2
73	Pd	MovingPad	2	4
74	Pd	SimpleSaws	3	3
75	Pd	X-Shower	2	2
76	Pd	PWM Pad	3	3
77	Pd	Bell Choir	3	3
78	Pd	ObSoft	3	3
79	Pd	MellowAnlg	2	2
80	Pd	Glasschoir	4	4
81	Pd	PeaceVox	2	2
82	Pd	StackChoir	4	3
83	Pd	Bronx	4	4
84	Pd	IceChoir	4	7
85	Pd	Fast Oohs	2	4
86	Pd	Ooze & OZ	4	5
87	Pd	NeoCrystal	4	4
88	Pd	Pop Synth	2	2
89	Pd	Fantasy	4	6
90	Pd	Heavenly	4	4
91	Pd	Retro	2	3
92	Pd	Airy Nylon	4	6
93	Pd	Antares	3	3
94	Pd	Pan Sphere	4	6
95	Pd	Tamburax	2	2
96	Pd	IndianFlai	4	5
97	Me	SAKURA	4	4
98	Me	RisingHigh	3	2
99	Me	Champ	4	4
100	Me	Gladiator	4	4
101	Me	Hades	4	4
102	Me	Glacy	4	4
103	Me	Forest	4	5
104	Me	MirrorRing	3	3
105	Sc	Poly	1	1
106	Sc	AnaTonk	2	2
107	Gt	Jaipur	4	3
108	Gt	Dulcitar	2	2
109	Cp	Cimbaion	3	3
110	Rp	EthncFlute	4	3
111	Rp	Hichiriki	2	1
112	Rp	Ryuteki	3	3
113	Rp	Gagaku	4	2
114	St	Kokyu	2	1
115	Rp	Digidoo	3	2
116	Dr	Bali	4	3
117	Gt	Indo	4	1
118	Dr	Trip East	3	3
119	Dr	Tabla	4	2
120	Dr	Djembe	3	1
121	Cp	Djerimbe	2	1
122	Dr	Udu	4	2
123	Dr	Tribal	4	4
124	Cp	Log&Drum	3	3
125	Dr	Afro	3	2
126	Co	Japanesque	2	2
127	Me	EthnoShock	4	4
128	Dr	Ethnology	4	4

Preset3 (MSB=63, LSB=2)

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
1	Ap	Wide Comp	3	3
2	Ap	78rpmPiano	4	2
3	Ap	Bristol	2	2
4	Ap	Mono Comp	4	1
5	Ap	Dance	2	3
6	Ap	Houze	4	4
7	Kb	Glass EP	3	3
8	Kb	VintSwitch	3	1
9	Kb	Early Case	3	1
10	Kb	RdsScape	3	3
11	Ap	RichEcho	3	3
12	Kb	StringyPno	2	2
13	Or	Champagne	2	2
14	Or	Moet	2	2
15	Or	Compact	4	2
16	Or	1967 Keys	4	1
17	Or	YD-45C	4	3
18	Ba	Gnarly	2	2
19	Ba	Modular	3	3
20	Ba	Dark Jack	1	1
21	Ba	OneVoice	1	1
22	Ba	Dry Syn	1	1
23	Ba	PlasticBas	4	4
24	Ba	Bassline	1	1
25	Ba	RubbaRap	2	2
26	Ba	Juicy	1	1
27	Ba	Dark	1	1
28	Ba	UniBass	1	1
29	Ba	Flyer	2	2
30	Ba	QuackBass	4	4
31	Ba	Moonbass	1	1
32	Ba	ClassicSub	2	2
33	Ba	DX100	4	2
34	Ba	Lately	2	2
35	Ba	FMBass	1	1
36	St	Oct String	4	4
37	St	3 Octave	4	4
38	St	TapeStrngs	3	3
39	St	VP Strings	1	2
40	Br	BriteTeeth	2	2
41	Br	XDance	2	2
42	Br	Timeless	2	2
43	Br	FatSynth	2	2
44	Br	Big Syn	2	2
45	Rp	Bluesharp	1	1
46	Ld	Sync	2	2
47	Ld	Atk Reso	2	2
48	Ld	Singleline	3	2
49	Ld	Free LFO	1	1
50	Ld	Soft Lead	3	3
51	Ld	PulseWound	1	1
52	Ld	Big Drone	4	4
53	Ld	Big Tune	4	4
54	Ld	PowerWheel	4	4
55	Ld	Flangefilt	2	2
56	Ld	G-Funk	1	1
57	Ld	Maria AT	1	1
58	Ld	InThePast	2	2
59	Pd	FatSawPad	2	2
60	Pd	Wide Sweep	2	2
61	Pd	Sunbeams	4	4
62	Pd	BPFx	3	3
63	Pd	FrozenPad	4	4
64	Pd	MICHINOKU	1	1

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
65	Pd	Esmeralda	4	4
66	Pd	Romance	4	4
67	Pd	Circle	2	2
68	Pd	Dreamspher	3	3
69	Pd	Silverlake	4	4
70	Pd	Shadow	3	3
71	Pd	Platinum	3	2
72	Pd	Gently	3	4
73	Pd	Warming	3	3
74	Pd	PW-EMMY	3	3
75	Pd	X-fade Pad	4	4
76	Pd	Zosma	4	4
77	Pd	NoizRezz	2	2
78	Pd	Mira	3	3
79	Pd	MultiPulse	4	4
80	Pd	VoxWaves	4	3
81	Pd	LazySweep	3	4
82	Pd	Doomed	4	3
83	Sc	PerkaVox	2	2
84	Sc	Punchy	1	1
85	Sc	Eyeliners	2	2
86	Me	Quieck	4	4
87	Me	Aladdin	2	2
88	Me	QuadSwell	4	4
89	Me	Lilley Pad	4	6
90	Me	Didje Baz	3	4
91	Me	RING PAD	4	4
92	Me	Chaser 1	3	3
93	Me	Chaser 2	4	4
94	Me	Spacebreath	4	4
95	Me	Long HiPa	4	4
96	Me	Action Y	4	4
97	Me	Trancelan	2	2
98	Me	Eternal	2	2
99	Me	VirtualSyn	2	2
100	Me	Interlude	3	2
101	Me	Flying	3	3
102	Me	TheSlayer	3	3
103	Me	White Rabb	4	4
104	Me	Siam	1	1
105	Co	Ududu	2	2
106	Co	Particle	2	2
107	Co	Shaper	2	2
108	Co	VintageArp	2	2
109	Co	Aah Dance	4	6
110	Co	Joker	1	1
111	Co	Holiday	4	4
112	Co	Android	3	3
113	Co	Spacious	4	4
114	Co	VoiceCuica	2	1
115	Co	Pop Arp	2	2
116	Co	Ping Pong	1	1
117	Se	Amoeba	1	1
118	Se	Landing	4	4
119	Se	I was born	3	3
120	Se	PsychoGtr	3	3
121	Se	NoGravity	1	1
122	Se	Pulser	1	1
123	Se	Racer	2	2
124	Se	Storm	4	4
125	Se	Oscillatin	2	2
126	Se	FamilyFeud	4	1
127	Se	WatrForest	3	3
128	Se	Spacecraft	4	4

Preset 4 (MSB=63, LSB=3)

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
1	Ap	MultcmpPno	4	2
2	Ap	Light	4	2
3	Ap	ConcrtGrnd	4	2
4	Ap	Balld Stck	1	2
5	Ap	Hard CP80	4	1
6	Ap	StereoComp	4	2
7	Ap	MetalPiano	3	3
8	Ap	Old Piano	4	2
9	Ap	Diablo	4	2
10	Kb	Satellite	4	1
11	Kb	SummerTime	4	2
12	Kb	SparkleTin	3	2
13	Kb	Tine E	2	2
14	Kb	Mr. Klank	2	2
15	Kb	DX7+Pad	4	3
16	Kb	PluckBells	3	3
17	Kb	RetroWurli	4	2
18	Kb	DampedClav	2	2
19	Kb	Dummy	4	1
20	Kb	Neo Soul	2	1
21	Kb	EpICrusher	2	2
22	Kb	PlukdThing	3	3
23	Kb	Hiss Pad	2	2
24	Cp	GlassBells	4	4
25	Cp	YumiBell	1	1
26	Cp	Pad Bells	4	5
27	Cp	EthnoStone	2	2
28	Cp	BellsAbuzz	2	2
29	Cp	Icey Vibe	2	2
30	Cp	Gongladeer	1	2
31	Cp	ScaryNight	4	2
32	Or	MoreDrwbrs	4	4
33	Or	Soulemn	3	3
34	Or	Green	1	1
35	Or	JimyPercC3	2	2
36	Or	Dirt Organ	2	2
37	Or	Vint Drive	1	1
38	Or	Yoshi Perc	3	3
39	Or	Big Track	2	2
40	Or	Circus	2	3
41	Or	Mikuni'sFl	3	3
42	Or	Elemental	2	2
43	Or	Farfasso	4	2
44	Or	Willis	2	2
45	Or	Reed	2	2
46	Or	Partita	1	2
47	Gt	Policia	2	2
48	Gt	Jazzmaster	2	2
49	Gt	Trip Rotor	1	1
50	Gt	Radio Cmp2	2	2
51	Gt	Simple WAH	1	1
52	Gt	Wah-Riff	3	3
53	Gt	Guitar&Pad	4	4
54	Gt	Coral	4	2
55	Gt	Harp	2	2
56	Gt	RnB Harp	1	1
57	Ba	Precsn Cmp	1	1
58	Ba	TubeFinger	1	1
59	Ba	Finger Amp	1	1
60	Ba	It'sRonda	2	2
61	Ba	NoResBass	1	1
62	Ba	Fat Sine	4	4
63	Ba	Wobble	2	2
64	Ba	Decor	1	1

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
65	Ba	Thump	2	2
66	Ba	EmFunk	1	1
67	Ba	FatOctaRes	3	3
68	Ba	Org Bass	1	1
69	Ba	FM Klick	2	2
70	Ba	Fat Low	2	2
71	Ba	SimplePowr	1	1
72	St	VeloString	3	5
73	St	NoSofia St	1	2
74	St	HoodStrngs	3	4
75	St	FullStrngs	3	4
76	St	Chamber AT	2	2
77	St	Big Swell2	2	3
78	St	BlueString	2	3
79	St	Old String	2	3
80	St	78rpmStrgs	1	1
81	St	Ens+Flute	3	3
82	St	Bells&Bows	4	6
83	St	The Pad	1	2
84	St	Full PWM	4	4
85	Br	HybridSect	2	3
86	Br	TaniBrass	4	5
87	Br	Hybrid	3	4
88	Br	F HornSec2	3	3
89	Br	Hi Brass 2	3	3
90	Br	Brassy	2	2
91	Br	Hybri Pad	3	3
92	Br	Oberhorns	2	2
93	Br	PiccoloTpt	3	2
94	Br	Flugelst	2	2
95	Rp	Soprano 3	2	2
96	Rp	4Brothers	4	3
97	Rp	Antique	1	1
98	Rp	Flutter Fl	4	3
99	Rp	Real Flute	2	2
100	Rp	Querfloete	1	1
101	Rp	Oboe+EHorn	3	3
102	Rp	FluteChord	4	4
103	Ld	Mini Soft	2	2
104	Ld	Portatone	3	3
105	Ld	Sine Ld 2	1	1
106	Ld	Bare Saw	1	1
107	Ld	Green Eyes	1	1
108	Ld	inda Night	1	1
109	Pd	Shine on	2	2
110	Pd	Simp. Pad	1	1
111	Pd	Voxaire	2	3
112	Pd	Angelvoice	2	3
113	Pd	Shangralo	2	2
114	Pd	Warm PWM	2	2
115	Pd	Balcony	4	4
116	Pd	Alabaster	2	3
117	Pd	BackPad MW	2	2
118	Pd	Dark Tower	1	1
119	Sc	Basic Poly	1	1
120	Sc	Straight	3	3
121	Sc	Soleil	3	5
122	Sc	Ana Synth1	2	2
123	Sc	PopularSyn	3	3
124	Co	For Bertje	2	2
125	Co	Udu Too	2	2
126	Co	Funky Mood	3	3
127	Co	Step Down	1	2
128	Co	Shantasma	4	4

Preset 5 (MSB=63, LSB=4)

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
1	Co	Gruvmaster	2	2
2	Co	ANbasicARP	2	2
3	Co	Europa	3	3
4	Co	Q Machine	3	3
5	Co	Happy Boy	4	6
6	Co	X-Pulsar	2	2
7	Co	Tekno Spy	4	4
8	Co	Tuff Arp	2	2
9	Co	Polygroove	4	4
10	Co	OrangeMW	3	3
11	Co	Hip Chordz	2	2
12	Co	Em Arp	2	2
13	Co	LostIsland	4	4
14	Ba	Bobby Bass	2	2
15	Ba	RnBass	2	2
16	Ba	SimpleBss2	2	2
17	Ba	SimpleReso	2	1
18	Ba	BobbyJuice	1	1
19	Ba	Bass&Comp!	4	4
20	Ba	TranceBass	2	2
21	Ba	Emlate	1	1
22	Ba	Velomaster	1	1
23	Ba	Kick Bass	3	3
24	Ba	Hollow	2	2
25	Ba	Em Bass	1	1
26	Ba	Oxide	2	2
27	Ba	Acidd	3	3
28	Ba	Pirate	1	1
29	Ba	AgressoFx	1	1
30	Ba	LOFI-BASS	2	2
31	Ba	Quack	1	1
32	Ba	ConeFlappe	4	4
33	St	Warmest	2	2
34	St	FatStrings	3	3
35	St	Superstrgs	3	4
36	St	JupiterStr	1	1
37	St	MIDIPAD	2	2
38	Br	AKIRABRASS	2	2
39	Br	TV Brass	4	2
40	Br	Oberbrass	3	3
41	Br	Thinth	2	2
42	Br	Trendy	3	3
43	Ld	Tech Lead	1	1
44	Ld	PulseWidth	1	1
45	Ld	Mr. Finger	2	2
46	Ld	Punch Lead	2	2
47	Ld	GOA LEAD	3	3
48	Ld	I.C.U.2.	1	1
49	Ld	Space Lead	2	2
50	Ld	Lead Wait	4	4
51	Ld	Pig Lead	3	3
52	Ld	Chordz	4	4
53	Pd	Twilight	3	2
54	Pd	VDU Pad	3	3
55	Pd	HPF+LFPpad	2	2
56	Pd	Sonar Pad	4	5
57	Pd	Whisperer	3	3
58	Pd	Flangerous	2	2
59	Pd	Sadness	2	3
60	Pd	Super Back	2	2
61	Pd	Bastille	3	4
62	Pd	Fat Swell	2	2
63	Pd	Pad&Syn	4	4
64	Pd	Eurostar	3	3

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
65	Pd	Pretty far	4	4
66	Pd	Needles	3	3
67	Pd	VectorPad1	3	3
68	Pd	Wake Up	3	3
69	Pd	Ether	4	4
70	Pd	Spiralised	4	4
71	Pd	RezSinePad	1	2
72	Pd	Granular	3	3
73	Pd	Ropey	4	4
74	Pd	Smear	3	3
75	Pd	Mizar	3	3
76	Pd	Homesick	3	4
77	Pd	Lost.	2	2
78	Pd	Haunting	1	1
79	Pd	Infant	3	2
80	Pd	High Sine	2	2
81	Pd	Sm.OrganPd	2	2
82	Pd	Chianti	4	4
83	Pd	Guitar Pad	4	4
84	Pd	Tuscan	3	4
85	Pd	Shuttle	4	4
86	Pd	Ether 2	4	4
87	Sc	Sine Comp	3	1
88	Sc	Queens	3	3
89	Sc	Kairo	4	5
90	Sc	Synes XL	4	4
91	Sc	FaatDance	2	2
92	Sc	Random LFO	1	1
93	Sc	Vacuum	4	4
94	Sc	RezzPunch	4	4
95	Sc	Kordal MW	2	2
96	Sc	M-Trance	2	2
97	Sc	Euro	4	4
98	Sc	DX Metal	2	2
99	Me	Atlantis	4	4
100	Me	Meteors	3	3
101	Me	Girlfriend	2	4
102	Me	Nebula AT	2	2
103	Me	CosmicRain	4	4
104	Me	Contact	3	3
105	Me	Dalahi	3	4
106	Me	CrushpadMW	4	4
107	Me	Ar-tic	3	3
108	Me	Alaska	4	6
109	Me	Clusters	4	4
110	Me	Glister	4	4
111	Me	Slicelt Up	2	2
112	Me	Chaser 3	4	4
113	Me	Surface	4	6
114	Me	Stalaglite	3	3
115	Me	4ling Star	4	4
116	Me	Old Skool	3	3
117	Me	Katsu	3	3
118	Me	Genie	2	2
119	Se	Dream Text	4	4
120	Se	Ambi Rain	1	1
121	Se	Bitzz MW	1	1
122	Se	JumpQ MW	1	1
123	Se	Molt	1	1
124	Se	Samsara	1	1
125	Se	FX-MWSweep	2	2
126	Se	Static	2	2
127	Dr	Wriggle	3	3
128	Dr	Kraftbeat	4	3

GM (MSB=0, LSB=0)

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
1	Ap	NaturlGrnd	4	2
2	Ap	Rock Brite	2	1
3	Ap	CP 2001	4	1
4	Ap	Honkytonk	4	2
5	Kb	E.Piano 1	4	1
6	Kb	E.Piano 2	2	2
7	Kb	Harpicord	1	1
8	Kb	Brite Clav	4	2
9	Cp	Celeste	3	3
10	Cp	Glocken	4	2
11	Cp	Music Box	3	3
12	Cp	Vibes	4	2
13	Cp	Marimba	3	1
14	Cp	Xylophone	2	2
15	Cp	TublarBell	4	3
16	Cp	Dulcimar	2	2
17	Or	Draw Organ	2	2
18	Or	Perc Organ	3	2
19	Or	Rock Organ	2	2
20	Or	ChurchOrgn	2	3
21	Or	Reed Organ	4	2
22	Kb	Accordion	1	1
23	Rp	Harmonica	1	1
24	Kb	TangoAccrd	1	1
25	Gt	Nylon	2	2
26	Gt	Steel	1	1
27	Gt	ModernJazz	3	2
28	Gt	Clean	1	1
29	Gt	Mute	2	2
30	Gt	Overdrive	2	2
31	Gt	Distortion	3	2
32	Gt	Harmonics	2	2
33	Ba	Accoustic	2	2
34	Ba	FingerBass	2	2
35	Ba	Pick Bass	1	1
36	Ba	Fretless 2	1	1
37	Ba	SimpleSlap	3	2
38	Ba	Velo Slap	4	1
39	Ba	SynthBass1	4	2
40	Ba	SynthBass2	2	2
41	St	Violin 2	4	2
42	St	Viola 2	4	1
43	St	Cello 2	2	2
44	St	Contrabass	4	2
45	St	TremoloStr	2	2
46	Gt	Pizz	2	1
47	Gt	Harp	3	2
48	Cp	Timpni+Cym	3	2
49	St	StereoSt1	1	2
50	St	StereoSt2	2	2
51	St	Grand Saw	3	3
52	St	SynStrings	3	3
53	Pd	Aah Choir	1	2
54	Pd	Ooh Choir	1	2
55	Pd	Syn Voice	2	3
56	Me	Orch.Hit	2	2
57	Br	Trumpet	3	1
58	Br	Trombone 2	1	1
59	Br	Tuba	2	1
60	Br	MuteTrpt 2	1	1
61	Br	F.Horns	2	2
62	Br	Brass Sect	3	3
63	Br	SynthBrass	3	3
64	Br	Soft Brass	3	3

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
65	Rp	Soprano 2	2	2
66	Rp	Alto Sax	2	2
67	Rp	TenorSax 2	3	2
68	Rp	Bari Sax	3	2
69	Rp	Oboe	1	1
70	Rp	Eng.Horn	2	1
71	Rp	Bassoon	2	2
72	Rp	Clarinet	1	1
73	Rp	Piccolo	2	1
74	Rp	Flute	3	2
75	Rp	Recorder	2	2
76	Rp	Panflute	1	1
77	Rp	Bottle	3	2
78	Rp	Shakuhachi	2	2
79	Rp	Whistle	2	2
80	Rp	Ocarina	2	2
81	Ld	Square Ld	2	2
82	Ld	Saw Ld	4	2
83	Ld	Calliop Ld	3	2
84	Ld	Chiff Ld	1	1
85	Ld	Charan Ld	2	2
86	Ld	Voice Ld	2	4
87	Ld	Fifth Ld	2	2
88	Ld	Bass&Ld	1	1
89	Pd	New Age	2	2
90	Pd	Warm Pad	2	2
91	Pd	Poly Synth	2	2
92	Pd	Choir Pad	2	3
93	Pd	BowedPad	2	2
94	Pd	Metal Pad	2	2
95	Pd	Halo Pad	2	3
96	Pd	Sweep Pad	2	2
97	Me	Rain Pad	2	2
98	Pd	SoundTrack	2	3
99	Cp	Crystal	2	3
100	Pd	Atmosphere	2	3
101	Sc	Brightness	3	2
102	Me	Goblin	3	2
103	Me	Echoes	2	4
104	Pd	Sci-Fi	2	2
105	Gt	Sitar	1	1
106	Gt	Banjo	2	1
107	Gt	Shamisen	2	1
108	Gt	Koto	1	1
109	Cp	Kalimba	2	2
110	Rp	Bagpipe	2	2
111	St	Fiddle	4	2
112	Rp	Shanai	3	2
113	Cp	Tinkerbel	4	2
114	Dr	Agogo	1	1
115	Cp	Steeldrum	3	2
116	Dr	Woodblock	1	1
117	Dr	Taikodrum	2	2
118	Dr	MelodicTom	2	1
119	Dr	Synth Drum	2	1
120	Se	Rev Cymbal	1	1
121	Se	Fret Noise	1	1
122	Se	BreathNoiz	2	1
123	Se	Seashore	2	2
124	Se	Tweet	1	1
125	Se	Telephone	1	1
126	Se	Helicopter	2	2
127	Se	Applause	2	2
128	Se	Gunshot	1	1

User1 (MSB=63, LSB=8)

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
1	Co	M25 M.W.	3	3
2	Pd	Softstars	3	3
3	Ba	Fast PWM	2	2
4	Ba	Terminator	3	3
5	Me	Soft Tar	4	4
6	Co	Sorted	4	4
7	Ba	Trendy Wah	3	3
8	Se	Feed S&H	1	1
9	Me	Didge	4	4
10	Ba	Old House	4	4
11	Ld	HPF Dance	1	1
12	Me	Like Bees	4	4
13	Ba	Exodus	3	3
14	Me	S/H Gruv	4	5
15	Gt	Funk It!!	2	1
16	Co	Opening	4	4
17	Co	DigDag	2	2
18	Pd	Dark Light	2	2
19	Ba	Boom Bass	2	2
20	Se	Dirtbox	2	2
21	Pd	Shandala	3	3
22	Co	Titan	4	4
23	Ba	Puls Step	2	2
24	Co	Racket	2	2
25	Ld	Big Lead	3	3
26	Ba	Blush	2	2
27	Ld	Squeaky	2	2
28	Se	Duck Worm	1	1
29	Ba	Jon	3	3
30	Co	Weird scar	3	3
31	Gt	Auto Wah	2	2
32	Co	MINIMAL	3	3
33	Co	MGul	4	4
34	Pd	BrokenStar	3	5
35	Ba	Smooth	2	2
36	Se	Sawmill	4	4
37	Me	Cavern	3	3
38	Co	Supersnap	4	4
39	Ba	Fuzzline	2	1
40	Ld	Foreplay	1	1
41	Or	Brooklyn	2	2
42	Ba	Brief	2	2
43	Ld	Dist-MW	3	3
44	Me	Hit&Down	2	1
45	Ba	Froglegs	4	4
46	Me	Sand	2	2
47	Gt	R&B Steel	2	2
48	Co	Rabbit	1	1
49	Co	ElecWorld	4	4
50	Me	Sickday	4	4
51	Ba	LoSnake	1	1
52	Se	Boomeran	4	4
53	Me	O+Ca+Si+Na	3	3
54	Co	Space Run	2	2
55	Ba	Additive	2	2
56	Ld	Rap Lead 1	1	1
57	Me	Nordic	3	3
58	Ba	Hip Aco	4	3
59	Ld	Mr. Cool	4	4
60	Me	Orch Hits	4	1
61	Ba	Damp Cat	2	2
62	Me	FISHINREEL	4	4
63	Gt	Melo Trmlo	1	1
64	Sc	Fois Gras	2	2

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
65	Kb	CheapEP	1	1
66	St	AnaMarcato	4	4
67	Ba	G Bass	2	2
68	Se	Dolphin	4	3
69	Me	Evolve	4	4
70	Me	ARRIVAL	4	5
71	Ba	Wazzo	2	2
72	Ld	Rap Lead 2	1	1
73	Me	Richard	4	4
74	Ba	Hip Pick	2	2
75	Ld	Early Lead	2	2
76	Se	BDSrtrch	4	1
77	Ba	Dukes	4	4
78	Ld	Mayday MW	1	1
79	Gt	CoolWAH	2	2
80	Sc	Mascara	3	2
81	Kb	HipWahEP	1	1
82	Br	ChorusComp	2	2
83	Ba	Compton	2	2
84	Se	Red Dots	1	1
85	Pd	Fragile	3	3
86	Me	SpookyVibe	2	2
87	Ba	Gangsta	3	3
88	Ld	Rap Lead 3	1	1
89	Sc	81Z Comp	2	2
90	Ba	DarkBass	2	2
91	Ld	HiPaWheel	1	1
92	Se	Rap Scream	1	1
93	Ba	InyerBass	3	3
94	Ld	Pierced	2	2
95	Gt	Hip Mute	2	2
96	St	Hip Pizz	4	4
97	Kb	R&B EP+DX	2	2
98	Br	Kustom	3	3
99	Ba	PortaBass	2	2
100	Se	Sirens	4	1
101	Me	Silver	3	3
102	Me	Zanaks	3	2
103	Ba	2001 Sub	1	1
104	Ld	Sine Lead	1	1
105	Ba	UK Oam	3	3
106	Ba	Fooger	2	2
107	Ld	D-tune	4	4
108	Se	Rap Toyz	4	1
109	Ba	Mucus M	4	3
110	Ld	Future Z	2	2
111	Gt	FM Guitar	4	3
112	Me	Trancedot	4	4
113	Me	Dead?Alive	4	4
114	St	SlowSuckr	4	4
115	Ba	Clickk	2	2
116	Se	KewBrick	3	4
117	Pd	Munchkins	2	1
118	Me	Ants	2	1
119	Ba	Snoop Bass	2	2
120	Ld	BabeMagnet	1	1
121	Ba	Jones	3	3
122	Se	100 dreams	2	2
123	Ld	FKitchen	2	2
124	Co	Rabino	2	2
125	Ba	Teknophobe	3	2
126	Me	FizzWah	1	1
127	Ld	Hip Voice	2	2
128	Me	Strobe	3	3

User2 (MSB=63, LSB=9)

The factory setting is the same as Preset 5.

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
1	Co	Gruvmaster	2	2
2	Co	ANbasicARP	2	2
3	Co	Europa	3	3
4	Co	Q Machine	3	3
5	Co	Happy Boy	4	6
6	Co	X-Pulsar	2	2
7	Co	Tekno Spy	4	4
8	Co	Tuff Arp	2	2
9	Co	Polygroove	4	4
10	Co	OrangeMW	3	3
11	Co	Hip Chordz	2	2
12	Co	Em Arp	2	2
13	Co	LostIsland	4	4
14	Ba	Bobby Bass	2	2
15	Ba	RnBass	2	2
16	Ba	SimpleBss2	2	2
17	Ba	SimpleReso	2	1
18	Ba	BobbyJuice	1	1
19	Ba	Bass&Comp!	4	4
20	Ba	TranceBass	2	2
21	Ba	Emlate	1	1
22	Ba	Velomaster	1	1
23	Ba	Kick Bass	3	3
24	Ba	Hollow	2	2
25	Ba	Em Bass	1	1
26	Ba	Oxide	2	2
27	Ba	Acidd	3	3
28	Ba	Pirate	1	1
29	Ba	AgressoFx	1	1
30	Ba	LOFI-BASS	2	2
31	Ba	Quack	1	1
32	Ba	ConeFlappe	4	4
33	St	Warmest	2	2
34	St	FatStrings	3	3
35	St	Superstrgs	3	4
36	St	JupiterStr	1	1
37	St	MIDIPAD	2	2
38	Br	AKIRABRASS	2	2
39	Br	TV Brass	4	2
40	Br	Oberbrass	3	3
41	Br	Thinth	2	2
42	Br	Trendy	3	3
43	Ld	Tech Lead	1	1
44	Ld	PulseWidth	1	1
45	Ld	Mr. Finger	2	2
46	Ld	Punch Lead	2	2
47	Ld	GOA LEAD	3	3
48	Ld	I.C.U.2.	1	1
49	Ld	Space Lead	2	2
50	Ld	Lead Wait	4	4
51	Ld	Pig Lead	3	3
52	Ld	Chordz	4	4
53	Pd	Twilight	3	2
54	Pd	VDU Pad	3	3
55	Pd	HPF+LPPFpad	2	2
56	Pd	Sonar Pad	4	5
57	Pd	Whisperer	3	3
58	Pd	Flangerous	2	2
59	Pd	Sadness	2	3
60	Pd	Super Back	2	2
61	Pd	Bastille	3	4
62	Pd	Fat Swell	2	2
63	Pd	Pad&Syn	4	4
64	Pd	Eurostar	3	3

No.	Category	Voice Name	Elements	Maximum Simultaneous Elements
65	Pd	Pretty far	4	4
66	Pd	Needles	3	3
67	Pd	VectorPad1	3	3
68	Pd	Wake Up	3	3
69	Pd	Ether	4	4
70	Pd	Spiralised	4	4
71	Pd	RezSinePad	1	2
72	Pd	Granular	3	3
73	Pd	Ropey	4	4
74	Pd	Smear	3	3
75	Pd	Mizar	3	3
76	Pd	Homesick	3	4
77	Pd	Lost.	2	2
78	Pd	Haunting	1	1
79	Pd	Infant	3	2
80	Pd	High Sine	2	2
81	Pd	Sm.OrganPd	2	2
82	Pd	Chianti	4	4
83	Pd	Guitar Pad	4	4
84	Pd	Tuscan	3	4
85	Pd	Shuttle	4	4
86	Pd	Ether 2	4	4
87	Sc	Sine Comp	3	1
88	Sc	Queens	3	3
89	Sc	Kairo	4	5
90	Sc	Synes XL	4	4
91	Sc	FaatDance	2	2
92	Sc	Random LFO	1	1
93	Sc	Vacuum	4	4
94	Sc	RezzPunch	4	4
95	Sc	Kordal MW	2	2
96	Sc	M-Trance	2	2
97	Sc	Euro	4	4
98	Sc	DX Metal	2	2
99	Me	Atlantis	4	4
100	Me	Meteors	3	3
101	Me	Girlfriend	2	4
102	Me	Nebula AT	2	2
103	Me	CosmicRain	4	4
104	Me	Contact	3	3
105	Me	Dalahi	3	4
106	Me	CrushpadMW	4	4
107	Me	Ar-tic	3	3
108	Me	Alaska	4	6
109	Me	Clusters	4	4
110	Me	Glister	4	4
111	Me	Slicelt Up	2	2
112	Me	Chaser 3	4	4
113	Me	Surface	4	6
114	Me	Stalaglite	3	3
115	Me	4ling Star	4	4
116	Me	Old Skool	3	3
117	Me	Katsu	3	3
118	Me	Genie	2	2
119	Se	Dream Text	4	4
120	Se	Ambi Rain	1	1
121	Se	Bitzz MW	1	1
122	Se	JumpQ MW	1	1
123	Se	Molt	1	1
124	Se	Samsara	1	1
125	Se	FX-MWSweep	2	2
126	Se	Static	2	2
127	Dr	Wriggle	3	3
128	Dr	Kraftbeat	4	3

Drum Voice List

Drum Voice Name List

Preset (MSB=63, LSB=32)

PRE No.	Kit Name	
1	PoweredStd	
2	DryStandrd	
3	RockSt1	
4	RockSt2	
5	RockMono1	
6	Hip Hop1	
7	Hip Hop2	
8	HipStick1	
9	T9HipKit1	
10	R&B Kit1	
11	R&B Kit2	
12	AnalogT9	
13	AnalogT8	
14	Tekno Kit	
15	House Kit1	These drum kits have been specially programmed for different music styles, yet closely follow the standard instrument order of the GM kit.
16	House Kit2	
17	Big Kit	
18	Break Kit	
19	Drum'nBass	
20	Acid Kit	
21	Jungle Kit	
22	Electric	
23	Human Kit	
24	Hard Kit	
25	DistrtdKit	
26	AmbientKit	
27	Jazz Kit	
28	Hip Hop3	
29	Hip Hop4	
30	HipStick2	
31	Garage	
32	ALL-ROUND	These original drum kits, programmed for the MOTIF-RACK, feature a special non-standard order for ease in playing.
33	Rock Multi	
34	Hip Multi	
35	Percussion	
36	Latin Perc	These original kits feature a variety of instruments and special sound effects, and are grouped according to their type.
37	Gtr/Bs Fx	
38	Wacko Kit	
39	Wood Bits	
40	Metal Bits	
41	Hands Kit	
42	Scratches	
43	AcstSnares	
44	StSnares	
45	AllKicks	
46	DanceKicks	
47	Snare & Fx	
48	EasySnares	

User (MSB=63, LSB=40)

USER No.	Kit Name	
1	RockMono2	These drum kits have been specially programmed for different music styles, yet closely follow the standard instrument order of the GM kit.
2	RockMono3	
3	Hip Hop5	
4	Hip Hop6	
5	T9HipKit2	
6	HipStick3	
7	HipStick4	
8	R&B Kit3	
9	Motor City	
10	MW AmpSim	

GM (MSB=127, LSB=0)

GM Drum No.	Kit Name
1	Stereo GM

Drum Kit Assign List

PRE 1 PoweredStd

Note	Wave No.	Wave Name
C 0	735	Clave
C#0	1057	SdBrmSt
D 0	1063	SdBrsWrSt
D#0	1060	SdBrm2St
E 0	1066	SdBswrAtSt
F 0	1053	SnLvRolSt
F#0	734	Castanet
G 0	866	SdNm1St
G#0	732	Stick
A 0	794	BdFkSonSt
A#0	898	SdBsSt1-3
B 0	785	BdLoSt
C 1	788	BdHsonSt
C#1	1042	SdClRmSt
D 1	913	SdSonSt1-4
D#1	752	ClapT9
E 1	963	SdLdwSt1-4
F 1	1227	TomFlSt
F#1	1152	HHClfSt
G 1	1224	TomLoSt
G#1	1155	HHHlf2St
A 1	1224	TomLoSt
A#1	1158	HHOp2St
B 1	1221	TomMdSt
C 2	1221	TomMdSt
C#2	1253	CrashSt
D 2	1218	TomHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1271	SplashSt
G#2	746	Cowbell2
A 2	1305	CrashRL
A#2	737	Vibraslap
B 2	1306	RideRL
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	661	CongaOp
E 3	669	TumbaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	940	SdBIL1-3
D 5	963	SdLdwSt1-4
D#5	956	SdBhr1-3
E 5	983	SdHipSt1-2
F 5	785	BdLoSt
F#5	1021	SdLdwHmono
G 5	834	BdR&B1
G#5	1024	SdHeavy
A 5	808	BdRoom1
A#5	1018	SdAmb
B 5	794	BdFkSonSt
C 6	809	BdRoom2

PRE 2 DryStandrd

Note	Wave No.	Wave Name
C 0	735	Clave
C#0	1057	SdBrmSt
D 0	1063	SdBrsWrSt
D#0	1060	SdBrm2St
E 0	1066	SdBswrAtSt
F 0	1053	SnLvRolSt
F#0	734	Castanet
G 0	866	SdNm1St
G#0	732	Stick
A 0	773	BdFkSt1-2
A#0	900	SdBsSt2-3
B 0	782	BdHiSt
C 1	764	BdNmSt1-2
C#1	1042	SdClRmSt
D 1	860	SdNmSt1-4
D#1	752	ClapT9
E 1	899	SdBsSt1-2
F 1	1227	TomFlSt
F#1	1131	HHClfSt1-4
G 1	1224	TomLoSt
G#1	1146	HHPdSt
A 1	1224	TomLoSt
A#1	1149	HHOpSt
B 1	1221	TomMdSt
C 2	1221	TomMdSt
C#2	1253	CrashSt
D 2	1218	TomHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1271	SplashSt
G#2	746	Cowbell2
A 2	1305	CrashRL
A#2	737	Vibraslap
B 2	1306	RideRL
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	661	CongaOp
E 3	669	TumbaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	940	SdBIL1-3
D 5	963	SdLdwSt1-4
D#5	956	SdBhr1-3
E 5	983	SdHipSt1-2
F 5	785	BdLoSt
F#5	1021	SdLdwHmono
G 5	834	BdR&B1
G#5	1024	SdHeavy
A 5	808	BdRoom1
A#5	1018	SdAmb
B 5	794	BdFkSonSt
C 6	809	BdRoom2

PRE 3 RockSt1

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1057	SdBrmSt
D 0	1063	SdBrsWrSt
D#0	1060	SdBrm2St
E 0	1066	SdBswrAtSt
F 0	1047	SdRkRolSt
F#0	734	Castanet
G 0	992	SdRkOp1St
G#0	732	Stick
A 0	764	BdNmSt1-2
A#0	998	SdRkRim1St
B 0	782	BdHiSt
C 1	797	BdRk1St
C#1	1026	SdRkStk1St
D 1	992	SdRkOp1St
D#1	742	HandClapSt
E 1	995	SdRkMte1St
F 1	1236	TomRkLoSt
F#1	1161	HHClRkStSw
G 1	1236	TomRkLoSt
G#1	1170	HHPdRkStSw
A 1	1233	TomRkMdSt
A#1	1179	HHOpRkStSw
B 1	1233	TomRkMdSt
C 2	1230	TomRkHiSt
C#2	1253	CrashSt
D 2	1230	TomRkHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	759	TambrnRX5
G 2	1271	SplashSt
G#2	745	Cowbell1
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1010	SdRkFimSt
D 5	1001	SdRkOp2St
D#5	1007	SdRkRim2St
E 5	1004	SdRkMte2St
F 5	774	BdFk1St
F#5	1050	SdRkRolDSt
G 5	788	BdHsonSt
G#5	963	SdLdwSt1-4
A 5	794	BdFkSonSt
A#5	921	SdSon3St
B 5	777	BdFkR1-2
C 6	788	BdHsonSt

PRE 4 RockSt2

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1057	SdBrmSt
D 0	1063	SdBrsWrSt
D#0	1060	SdBrm2St
E 0	1066	SdBswrAtSt
F 0	1047	SdRkRolSt
F#0	734	Castanet
G 0	1001	SdRkOp2St
G#0	732	Stick
A 0	785	BdLoSt
A#0	1007	SdRkRim2St
B 0	766	BdNm2St
C 1	800	BdRk2St
C#1	1029	SdRkStk2St
D 1	1001	SdRkOp2St
D#1	742	HandClapSt
E 1	1004	SdRkMte2St
F 1	1236	TomRkLoSt
F#1	1173	HHClRk2St
G 1	1236	TomRkLoSt
G#1	1181	HHHfOpRkSt
A 1	1233	TomRkMdSt
A#1	1180	HHOpRkSt
B 1	1233	TomRkMdSt
C 2	1230	TomRkHiSt
C#2	1253	CrashSt
D 2	1230	TomRkHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	759	TambrnRX5
G 2	1271	SplashSt
G#2	745	Cowbell1
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1010	SdRkFimSt
D 5	992	SdRkOp1St
D#5	998	SdRkRim1St
E 5	995	SdRkMte1St
F 5	797	BdRk1St
F#5	1050	SdRkRolDSt
G 5	775	BdFk2St
G#5	963	SdLdwSt1-4
A 5	782	BdHiSt
A#5	922	SdSon4St
B 5	791	BdLsonSt
C 6	797	BdRk1St

PRE 5 RockMono1

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1058	SdBrmMtl
D 0	1064	SdBrsWrL
D#0	1061	SdBrm2L
E 0	1067	SdBrsWrAtL
F 0	1054	SnLvRolL
F#0	734	Castanet
G 0	973	SdLdwL1-4
G#0	732	Stick
A 0	803	BdDry1
A#0	962	SdBh3R
B 0	772	BdNm2R
C 1	810	BdRoom3
C#1	1045	SdClRim2
D 1	929	SdSon3L
D#1	743	HandClapL
E 1	932	SdSon4R
F 1	1228	TomFIL
F#1	1175	HHClRk2R
G 1	1225	TomLoL
G#1	1178	HHPdRkR
A 1	1222	TomMdL
A#1	1185	HHOpRkR
B 1	1222	TomMdL
C 2	1220	TomHIR
C#2	1254	CrashL
D 2	1220	TomHIR
D#2	1264	RideMono
E 2	1267	ChinaSt
F 2	1266	CupMono2
F#2	714	TambrnSw
G 2	1273	SplashR
G#2	745	Cowbell1
A 2	1254	CrashL
A#2	737	Vibraslap
B 2	1264	RideMono
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1044	SdClRmR
D 5	1024	SdHeavy
D#5	1000	SdRkRim1R
E 5	1021	SdLdwHmono
F 5	801	BdRk2L
F#5	987	SdHipR1-2
G 5	841	BdBreakHrd
G#5	982	SdLdw4R
A 5	783	BdHiL
A#5	956	SdBhR1-3
B 5	780	BdFkHL
C 6	795	BdFkSonL

PRE 6 Hip Hop1

Note	Wave No.	Wave Name
C 0	1033	SdHpStk2
C#0	554	VoxHitRev
D 0	560	TurnTable
D#0	537	HitBrass
E 0	583	ScratchSdR
F 0	1055	SnLvRolR
F#0	762	ClaveT8
G 0	991	SdHp2R
G#0	1039	SdHpStk6R
A 0	836	BdHipDp
A#0	1121	SdDodgL
B 0	822	BdT8-3
C 1	821	BdT8-2
C#1	1033	SdHpStk2
D 1	1117	SdClpAna
D#1	744	HandClapR
E 1	1098	SdR&B2
F 1	1247	TomT8
F#1	1193	HHClT8-1
G 1	1247	TomT8
G#1	1194	HHOpT8-1
A 1	1247	TomT8
A#1	1194	HHOpT8-1
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1257	Crash2
D 2	1247	TomT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	725	AgogoLo
G#3	724	AgogoHi
A 3	707	ShakerHip1
A#3	761	Marcst8
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	762	ClaveT8
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1041	SdHipStk8
D 5	1090	SdJngl3
D#5	744	HandClapR
E 5	1107	SdHipRm5
F 5	573	Scratch H
F#5	574	Scratch L
G 5	575	ScratchDwn
G#5	577	ScratchHIR
A 5	580	ScratchBdF
A#5	590	ScratchCmb
B 5	585	ScratchVoR
C 6	839	BdBreak2

PRE 7 Hip Hop2

Note	Wave No.	Wave Name
C 0	822	BdT8-3
C#0	1081	SdT8Rim
D 0	1099	SdHip1
D#0	752	ClapT9
E 0	1124	SdSyn
F 0	1055	SnLvRolR
F#0	1035	SdHpStk4
G 0	368	DjembeEd
G#0	1037	SdHpStk6St
A 0	820	BdT8-1
A#0	1097	SdR&B1Rm
B 0	840	BdBreakHvy
C 1	836	BdHipDp
C#1	1079	SdT8-4
D 1	1101	SdHip3
D#1	742	HandClapSt
E 1	1129	SdLofi
F 1	1229	TomFIR
F#1	1211	HHClLoFi
G 1	1225	TomLoL
G#1	1200	HHClBreak
A 1	1225	TomLoL
A#1	1212	HHOpLoFi
B 1	1225	TomLoL
C 2	1219	TomHIL
C#2	1256	Crash
D 2	1219	TomHIL
D#2	1277	RideT9
E 2	1270	China
F 2	1265	CupMono
F#2	759	TambrnRX5
G 2	1256	Crash
G#2	756	CowBelRX11
A 2	1255	CrashR
A#2	755	CowBelT8
B 2	1277	RideT9
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	524	RadioNz
F#3	524	RadioNz
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	761	Marcst8
B 3	557	FxGun2
C 4	558	FxGun1
C#4	587	ScratchSpn
D 4	586	ScratchStp
D#4	762	ClaveT8
E 4	562	DoorSqk
F 4	553	HIQ2
F#4	580	ScratchBdF
G 4	581	ScratchBdR
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	715	TambrnHit
C 5	751	BellTree
C#5	1087	SdHuman2
D 5	1112	SdBREAKRol
D#5	540	StabHard
E 5	1088	SdJngl1
F 5	797	BdRk1St
F#5	575	ScratchDwn
G 5	367	Wataiko
G#5	511	HH Hit
A 5	541	StabOrgan2
A#5	534	Sonar1
B 5	560	TurnTable
C 6	561	Police

PRE 8 HipStick1

Note	Wave No.	Wave Name
C 0	1106	SdHipRm4
C#0	552	HiQ1
D 0	560	TurnTable
D#0	536	HitOrch1
E 0	581	ScratchBdR
F 0	1055	SnLvRolR
F#0	763	AnaClick
G 0	1105	SdHipRm3
G#0	1085	SdAnCRRim
A 0	836	BdHipDp
A#0	1083	SdAnSmRim
B 0	822	BdT8-3
C 1	821	BdT8-2
C#1	1081	SdT8Rim
D 1	1032	SdHpStk1
D#1	744	HandClapR
E 1	1033	SdHpStk2
F 1	1247	TomT8
F#1	1193	HHClT8-1
G 1	1247	TomT8
G#1	1194	HHOpT8-1
A 1	1247	TomT8
A#1	1194	HHOpT8-1
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1257	Crash2
D 2	1247	TomT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1082	SdAnSm
D 5	1046	SdClRim3
D#5	763	AnaClick
E 5	1045	SdClRim2
F 5	573	Scratch H
F#5	574	Scratch L
G 5	575	ScratchDwn
G#5	577	ScratchHIR
A 5	580	ScratchBdF
A#5	590	ScratchCmb
B 5	585	ScratchVoR
C 6	830	BdJngl2

PRE 9 T9HipKit1

Note	Wave No.	Wave Name
C 0	762	ClaveT8
C#0	1073	SdT9-5
D 0	560	TurnTable
D#0	532	Quiek
E 0	592	ScratchCb3
F 0	1054	SnLvRolR
F#0	763	AnaClick
G 0	1074	SdT9Gate
G#0	1130	SdRimSE
A 0	815	BdT9-3
A#0	1071	SdT9-3
B 0	814	BdT9-2
C 1	813	BdT9-1
C#1	1075	SdT9Rim
D 1	1073	SdT9-5
D#1	752	ClapT9
E 1	1072	SdT9-4
F 1	1246	TomT9Lo
F#1	1191	HHClT9
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	1246	TomT9Lo
C 2	1245	TomT9Hi
C#2	1274	CrashT9
D 2	1245	TomT9Hi
D#2	1277	RideT9
E 2	1274	CrashT9
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1274	CrashT9
G#2	757	CowBelAnCR
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1075	SdT9Rim
D 5	1074	SdT9Gate
D#5	742	HandClapSt
E 5	1073	SdT9-5
F 5	573	Scratch H
F#5	574	Scratch L
G 5	575	ScratchDwn
G#5	576	ScratchHIF
A 5	577	ScratchHIR
A#5	578	ScratchLoF
B 5	579	ScratchLoR
C 6	817	BdT9Hd1

PRE 10 R&B Kit1

Note	Wave No.	Wave Name
C 0	819	BdT9Hd3
C#0	1084	SdAnCR
D 0	1083	SdAnSmRim
D#0	1117	SdClpAna
E 0	1074	SdT9Gate
F 0	1056	SdRollMono
F#0	1126	SdTimber
G 0	1123	SdFMRim
G#0	1091	SdJnglFx
A 0	806	BdVar1
A#0	1103	SdHipRm1
B 0	821	BdT8-2
C 1	851	BdZapMid
C#1	1081	SdT8Rim
D 1	1104	SdHipRm2
D#1	742	HandClapSt
E 1	1084	SdAnCR
F 1	822	BdT8-3
F#1	1195	HHClT8-2
G 1	822	BdT8-3
G#1	1198	HHClAnCR
A 1	822	BdT8-3
A#1	1196	HHOpT8-2
B 1	822	BdT8-3
C 2	822	BdT8-3
C#2	1256	Crash
D 2	822	BdT8-3
D#2	1277	RideT9
E 2	1270	China
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1274	CrashT9
A#2	755	CowBelT8
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	552	HIQ1
F#3	552	HIQ1
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	758	AnaShaker
A#3	696	MaracasSlr
B 3	545	VoxDrum
C 4	545	VoxDrum
C#4	552	HIQ1
D 4	553	HIQ2
D#4	762	ClaveT8
E 4	552	HIQ1
F 4	587	ScratchSpn
F#4	577	ScratchHIR
G 4	576	ScratchHIF
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	715	TambrnHit
C 5	751	BellTree
C#5	1112	SdBREAKRol
D 5	520	Mother
D#5	502	VoxBell
E 5	1096	SdR&B1
F 5	512	VoxAlk
F#5	377	Udo Hi
G 5	507	TranCho
G#5	519	Swarm
A 5	805	BdPop
A#5	1097	SdR&B1Rm
B 5	835	BdR&B2
C 6	1256	Crash

PRE 11 R&B Kit2

Note	Wave No.	Wave Name
C 0	808	BdRoom1
C#0	763	AnaClick
D 0	614	PlayFxABa4
D#0	1035	SdHpStk4
E 0	667	QuintTip
F 0	594	PickNoise1
F#0	1075	SdT9Rim
G 0	860	SdNmSt1-4
G#0	1097	SdR&B1Rm
A 0	764	BdNmSt1-2
A#0	894	SdFk3R
B 0	822	BdT8-3
C 1	834	BdR&B1
C#1	1046	SdClRim3
D 1	1014	SdPcRim
D#1	742	HandClapSt
E 1	1097	SdR&B1Rm
F 1	822	BdT8-3
F#1	1195	HHClT8-2
G 1	822	BdT8-3
G#1	1193	HHClT8-1
A 1	822	BdT8-3
A#1	1196	HHOpT8-2
B 1	822	BdT8-3
C 2	1247	TomT8
C#2	1253	CrashSt
D 2	1247	TomT8
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1274	CrashT9
A#2	755	CowBelT8
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	552	HIQ1
F#3	552	HIQ1
G 3	725	AgogoLo
G#3	758	AnaShaker
A 3	758	AnaShaker
A#3	696	MaracasSlr
B 3	545	VoxDrum
C 4	545	VoxDrum
C#4	552	HIQ1
D 4	553	HIQ2
D#4	762	ClaveT8
E 4	552	HIQ1
F 4	587	ScratchSpn
F#4	577	ScratchHIR
G 4	576	ScratchHIF
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	715	TambrnHit
C 5	751	BellTree
C#5	1129	SdLofi
D 5	1029	SdRkStk2St
D#5	1013	SdPicol
E 5	1098	SdR&B2
F 5	835	BdR&B2
F#5	1122	SdFM
G 5	836	BdHipDp
G#5	1128	SdHammer
A 5	859	BdSlimy
A#5	511	HH Hit
B 5	822	BdT8-3
C 6	560	TurnTable

PRE 12 AnalogT9

Note	Wave No.	Wave Name
C 0	814	BdT9-2
C#0	1084	SdAnCR
D 0	1073	SdT9-5
D#0	753	ClapAnSm
E 0	1074	SdT9Gate
F 0	1047	SdRkRolSt
F#0	1071	SdT9-3
G 0	1072	SdT9-4
G#0	1074	SdT9Gate
A 0	816	BdT9-4
A#0	1073	SdT9-5
B 0	813	BdT9-1
C 1	815	BdT9-3
C#1	1075	SdT9Rim
D 1	1069	SdT9-1
D#1	752	ClapT9
E 1	1070	SdT9-2
F 1	1246	TomT9Lo
F#1	1191	HHClT9
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	1245	TomT9Hi
C 2	1245	TomT9Hi
C#2	1274	CrashT9
D 2	1245	TomT9Hi
D#2	1277	RideT9
E 2	1270	China
F 2	1265	CupMono
F#2	759	TambrnRX5
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1257	Crash2
A#2	755	CowBelT8
B 2	1260	RideR
C 3	754	CongaT8
C#3	754	CongaT8
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	763	AnaClick
G#3	754	CongaT8
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	552	HIQ1
E 4	552	HIQ1
F 4	553	HIQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1013	SdPicol
D 5	1080	SdT8-5
D#5	1050	SdRkRolDSt
E 5	1060	SdBriMt2St
F 5	828	BdBlpHd
F#5	1088	SdJngl1
G 5	852	BdSus
G#5	1092	SdD&B1
A 5	839	BdBk2
A#5	1118	SdDist
B 5	853	BdTekPower
C 6	847	BdDistRM

PRE 13 AnalogT8

Note	Wave No.	Wave Name
C 0	820	BdT8-1
C#0	1084	SdAnCR
D 0	1079	SdT8-4
D#0	1117	SdClpAna
E 0	1078	SdT8-3
F 0	1247	TomT8
F#0	1080	SdT8-5
G 0	822	BdT8-3
G#0	1079	SdT8-4
A 0	821	BdT8-2
A#0	1078	SdT8-3
B 0	436	T8KickBass
C 1	820	BdT8-1
C#1	1081	SdT8Rim
D 1	1077	SdT8-2
D#1	752	ClapT9
E 1	1076	SdSyn
F 1	1247	TomT8
F#1	1195	HHClT8-2
G 1	1247	TomT8
G#1	1194	HHOpT8-1
A 1	1247	TomT8
A#1	1194	HHOpT8-1
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1275	CrashT8
D 2	1247	TomT8
D#2	1277	RideT9
E 2	1270	China
F 2	1265	CupMono
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	755	CowBelT8
A 2	1257	Crash2
A#2	737	Vibraslap
B 2	1260	RideR
C 3	754	CongaT8
C#3	754	CongaT8
D 3	754	CongaT8
D#3	754	CongaT8
E 3	754	CongaT8
F 3	684	TimbaleHi1
F#3	688	TimbaleLo1
G 3	547	Glass
G#3	547	Glass
A 3	698	Cabasa1-2
A#3	761	MarcTs8
B 3	557	FxGun2
C 4	558	FxGun1
C#4	758	AnaShaker
D 4	758	AnaShaker
D#4	762	ClaveT8
E 4	552	HIQ1
F 4	553	HIQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1099	SdHip1
D 5	1100	SdHip2
D#5	1102	SdHipGate
E 5	1108	SdBk1
F 5	827	BdBlip
F#5	1113	SdFx1
G 5	849	BdFxmrm
G#5	1128	SdHammer
A 5	850	BdZapHrd
A#5	1121	SdDodgL
B 5	853	BdTekPower
C 6	859	BdSlimy

PRE 14 Tekno Kit

Note	Wave No.	Wave Name
C 0	859	BdSlimy
C#0	1075	SdT9Rim
D 0	1080	SdT8-5
D#0	752	ClapT9
E 0	1071	SdT9-3
F 0	1086	SdHuman1
F#0	1101	SdHip3
G 0	1072	SdT9-4
G#0	1100	SdHip2
A 0	858	BdThkSkN
A#0	1070	SdT9-2
B 0	845	BdDist4
C 1	851	BdZapMid
C#1	1081	SdT8Rim
D 1	1080	SdT8-5
D#1	752	ClapT9
E 1	1124	SdSyn
F 1	1247	TomT8
F#1	1211	HHClLoFi
G 1	1247	TomT8
G#1	1212	HHOpLoFi
A 1	1247	TomT8
A#1	1212	HHOpLoFi
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1275	CrashT8
D 2	1247	TomT8
D#2	1277	RideT9
E 2	1256	Crash
F 2	1265	CupMono
F#2	760	TambrnAnCR
G 2	1254	CrashL
G#2	755	CowBelT8
A 2	1274	CrashT9
A#2	755	CowBelT8
B 2	1276	CrashSyn
C 3	754	CongaT8
C#3	754	CongaT8
D 3	754	CongaT8
D#3	754	CongaT8
E 3	754	CongaT8
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	547	Glass
G#3	547	Glass
A 3	699	Cabasa1
A#3	761	MarcTs8
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	552	HIQ1
E 4	552	HIQ1
F 4	553	HIQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	368	DjembeEd
D 5	367	Wataiko
D#5	540	StabHard
E 5	536	HitOrch1
F 5	541	StabOrgan2
F#5	575	ScratchDwn
G 5	797	BdRk1St
G#5	511	HH Hit
A 5	367	Wataiko
A#5	534	Sonar1
B 5	560	TurnTable
C 6	561	Police

PRE 15 House Kit1

Note	Wave No.	Wave Name
C 0	816	BdT9-4
C#0	1081	SdT8Rim
D 0	1080	SdT8-5
D#0	742	HandClapSt
E 0	1121	SdDodgL
F 0	1053	SnLvRolSt
F#0	1071	SdT9-3
G 0	1076	SdT8-1
G#0	1073	SdT9-5
A 0	813	BdT9-1
A#0	1074	SdT9Gate
B 0	814	BdT9-2
C 1	815	BdT9-3
C#1	1075	SdT9Rim
D 1	1069	SdT9-1
D#1	752	ClapT9
E 1	1070	SdT9-2
F 1	1246	TomT9Lo
F#1	1193	HHClT8-1
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	1245	TomT9Hi
C 2	1245	TomT9Hi
C#2	1274	CrashT9
D 2	1245	TomT9Hi
D#2	1277	RideT9
E 2	1256	Crash
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	755	CowBelT8
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	684	TimbaleHi1
F#3	684	TimbaleHi1
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	545	VoxDrum
C 4	545	VoxDrum
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1112	SdBkBreakRol
D 5	520	Mother
D#5	502	VoxBell
E 5	1096	SdR&B1
F 5	512	VoxAlk
F#5	377	Udo Hi
G 5	507	TranCho
G#5	519	Swarm
A 5	805	BdPop
A#5	1097	SdR&B1Rm
B 5	835	BdR&B2
C 6	1256	Crash

PRE 16 House Kit2

Note	Wave No.	Wave Name
C 0	814	BdT9-2
C#0	1081	SdT8Rim
D 0	618	PlayFXABa8
D#0	752	ClapT9
E 0	1070	SdT9-2
F 0	1074	SdT9Gate
F#0	1087	SdHuman2
G 0	1113	SdFx1
G#0	1129	SdLofi
A 0	818	BdT9Hd2
A#0	1075	SdT9Rim
B 0	815	BdT9-3
C 1	817	BdT9Hd1
C#1	1075	SdT9Rim
D 1	1127	SdWood
D#1	549	NzBurst
E 1	551	Zap2
F 1	1124	SdSyn
F#1	1191	HHClT9
G 1	1124	SdSyn
G#1	1192	HHOpT9
A 1	1124	SdSyn
A#1	1192	HHOpT9
B 1	1124	SdSyn
C 2	1124	SdSyn
C#2	1274	CrashT9
D 2	1124	SdSyn
D#2	1277	RideT9
E 2	1276	CrashSyn
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1275	CrashT8
G#2	745	Cowbel1
A 2	1256	Crash
A#2	755	CowBelT8
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	664	CongaHeel
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	1248	TomSyn1
F#3	1248	TomSyn1
G 3	763	AnaClick
G#3	1130	SdRimSE
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	545	VoxDrum
C 4	545	VoxDrum
C#4	760	TambrnAnCR
D 4	758	AnaShaker
D#4	762	ClaveT8
E 4	759	TambrnRX5
F 4	756	CowBelRX11
F#4	758	AnaShaker
G 4	576	ScratchHif
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	372	TabraBya
D 5	373	TabraNah
D#5	374	TablaMut
E 5	502	VoxBell
F 5	805	BdPop
F#5	377	Udo Hi
G 5	812	BdFXGate
G#5	520	Mother
A 5	813	BdT9-1
A#5	1112	SdBreakRol
B 5	1256	Crash
C 6	560	TurnTable

PRE 17 Big Kit

Note	Wave No.	Wave Name
C 0	812	BdFXGate
C#0	681	BongoLo2
D 0	1025	SdGM
D#0	742	HandClapSt
E 0	1020	SdGate2
F 0	1047	SdRkRolSt
F#0	998	SdRkRim1St
G 0	1013	SdPicol
G#0	1010	SdRkFlmSt
A 0	809	BdRoom2
A#0	1026	SdRkStk1St
B 0	810	BdRoom3
C 1	811	BdGate
C#1	1017	SdMdRim
D 1	1019	SdGate1
D#1	753	ClapAnSm
E 1	1018	SdAmb
F 1	1244	TomAmbLo
F#1	1202	HHClD&B
G 1	1244	TomAmbLo
G#1	1203	HHPdID&B
A 1	1244	TomAmbLo
A#1	1204	HHOpD&B
B 1	1243	TomAmbHi
C 2	1243	TomAmbHi
C#2	1253	CrashSt
D 2	1243	TomAmbHi
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1253	Crash
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	848	Bd+HH
F#3	848	Bd+HH
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1118	SdDist
D 5	1122	SdFM
D#5	1123	SdFMRim
E 5	1125	SdClappy
F 5	810	BdRoom3
F#5	1126	SdTimber
G 5	797	BdRk1St
G#5	1130	SdRimSE
A 5	800	BdRk2St
A#5	1112	SdBreakRol
B 5	832	BdD&B1
C 6	809	BdRoom2

PRE 18 Break Kit

Note	Wave No.	Wave Name
C 0	837	BdBrkDp
C#0	984	SdHip1St
D 0	1129	SdLofi
D#0	1125	SdClappy
E 0	1021	SdLdwHMMono
F 0	1050	SdRkRolDSt
F#0	1019	SdGate1
G 0	1016	SdMid
G#0	1022	SdBrRim
A 0	840	BdBreakHvy
A#0	1106	SdHipRm4
B 0	839	BdBreak2
C 1	838	BdBreak1
C#1	1103	SdHipRm1
D 1	1110	SdBreak3
D#1	1108	SdBreak1
E 1	1109	SdBreak2
F 1	1224	TomLoSt
F#1	1167	HHClRkSR
G 1	1224	TomLoSt
G#1	1178	HHPdIRkR
A 1	1224	TomLoSt
A#1	1187	HHHfOpRkR
B 1	1218	TomHiSt
C 2	1218	TomHiSt
C#2	1254	CrashL
D 2	1218	TomHiSt
D#2	1259	RideL
E 2	1268	ChinaL
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1255	CrashR
A#2	756	CowBelRX11
B 2	1264	RideMono
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	675	BongoHi1-2
F#3	679	BongoLo1-3
G 3	661	CongaOp
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	684	TimbaleHi1
C 4	688	TimbaleLo1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	560	TurnTable
C#5	1112	SdBreakRol
D 5	520	Mother
D#5	528	Mind Bell
E 5	1113	SdFx1
F 5	800	BdRk2St
F#5	533	LfoSeq
G 5	546	Ripper
G#5	549	NzBurst
A 5	561	Police
A#5	526	Fairwave
B 5	519	Swarm
C 6	524	RadioNz

PRE 19 Drum'nBass

Note	Wave No.	Wave Name
C 0	836	BdHipDp
C#0	681	BongoLo2
D 0	1098	SdR&B2
D#0	1126	SdTimber
E 0	1094	SdD&B3
F 0	1128	SdHammer
F#0	547	Glass
G 0	833	BdD&B2
G#0	1146	HHPdISt
A 0	836	BdHipDp
A#0	1158	HHOp2St
B 0	832	BdD&B1
C 1	833	BdD&B2
C#1	1017	SdMdRim
D 1	1092	SdD&B1
D#1	549	NzBurst
E 1	1093	SdD&B2
F 1	1244	TomAmbLo
F#1	1202	HHClD&B
G 1	1244	TomAmbLo
G#1	1203	HHPdID&B
A 1	1244	TomAmbLo
A#1	1204	HHOpD&B
B 1	1243	TomAmbHi
C 2	1243	TomAmbHi
C#2	1254	CrashL
D 2	1243	TomAmbHi
D#2	1258	RideSt
E 2	1270	China
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1253	CrashL
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	1095	SdD&B4
F#3	1205	HHRvD&B
G 3	725	AgogoHi
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	495	Sine
F 4	495	Sine
F#4	462	P50-1
G 4	653	PlyFxSI17S
G#4	560	TurnTable
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1118	SdDist
D 5	1122	SdFM
D#5	1123	SdFMRim
E 5	1125	SdClappy
F 5	832	BdD&B1
F#5	1126	SdTimber
G 5	846	BdDist5
G#5	1130	SdRimSE
A 5	845	BdDist4
A#5	1101	SdHip3
B 5	859	BdSlimy
C 6	848	Bd+HH

PRE 20 Acid Kit

Note	Wave No.	Wave Name
C 0	855	BdATite
C#0	1081	SdT8Rim
D 0	1090	SdJngl3
D#0	742	HandClapSt
E 0	1076	SdT8-1
F 0	1053	SnLvRolSt
F#0	955	SdBhL1-3
G 0	962	SdBh3R
G#0	914	SdSonSt1-3
A 0	773	BdFkSt1-2
A#0	898	SdBsSt1-3
B 0	770	BdNm1R
C 1	780	BdFkHL
C#1	1031	SdRkStk2R
D 1	974	SdLdwR1-4
D#1	752	ClapT9
E 1	973	SdLdwL1-4
F 1	1246	TomT9Lo
F#1	1167	HHClRkSR
G 1	1246	TomT9Lo
G#1	1175	HHClRk2R
A 1	1246	TomT9Lo
A#1	1187	HHHfOpRkR
B 1	1245	TomT9Hi
C 2	1245	TomT9Hi
C#2	1254	CrashL
D 2	1245	TomT9Hi
D#2	1260	RideR
E 2	1256	Crash
F 2	1262	CupL
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1254	CrashL
A#2	755	CowBelT8
B 2	1264	RideMono
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	684	TimbaleHi1
F#3	684	TimbaleHi1
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	552	HiQ1
E 4	552	HiQ1
F 4	553	HiQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1073	SdT9-5
D 5	1073	SdT9-5
D#5	1073	SdT9-5
E 5	1073	SdT9-5
F 5	773	BdFkSt1-2
F#5	1092	SdD&B1
G 5	788	BdHSonSt
G#5	1102	SdHipGate
A 5	812	BdFXGate
A#5	1108	SdBreak1
B 5	829	BdJngl1
C 6	840	BdBreakHvy

PRE 21 Jungle Kit

PRE 22 Electric

PRE 23 Human Kit

PRE 24 Hard Kit

PRE 25 DistrdKit

Note	Wave No.	Wave Name
C 0	830	BdJngl2
C#0	1017	SdMdRim
D 0	1090	SdJngl3
D#0	1090	SdJngl3
E 0	1014	SdPcRim
F 0	1056	SdRollMono
F#0	1127	SdWood
G 0	1098	SdR&B2
G#0	1093	SdD&B2
A 0	830	BdJngl2
A#0	1091	SdJnglFx
B 0	831	BdJngl3
C 1	829	BdJngl1
C#1	1106	SdHipRm4
D 1	1089	SdJngl2
D#1	1091	SdJnglFx
E 1	1088	SdJngl1
F 1	1228	TomFIL
F#1	1165	HHClRkRSw
G 1	1225	TomLoL
G#1	1172	HHPdIRkRSw
A 1	1223	TomMoR
A#1	1183	HHOpRkRSw
B 1	1223	TomMoR
C 2	1220	TomHIR
C#2	1254	CrashL
D 2	1220	TomHIR
D#2	1260	RideR
E 2	1270	China
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	373	TabraNah
F#3	372	TabraBya
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	684	TimbaleHi1
C 4	688	TimbaleLo1
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1205	HHRvD&B
D 5	572	RainLoop
D#5	573	Scratch H
E 5	574	Scratch L
F 5	828	BdBlpHd
F#5	1124	SdSyn
G 5	548	IndusTom
G#5	717	PandieroOp
A 5	546	Ripper
A#5	567	TeiRing
B 5	579	ScratchLoR
C 6	556	TapRewnd

Note	Wave No.	Wave Name
C 0	824	BdAnCR
C#0	827	BdBlip
D 0	1080	SdT8-5
D#0	753	ClapAnSm
E 0	1104	SdHipRm2
F 0	1056	SdRollMono
F#0	1076	SdT8-1
G 0	1084	SdAnCR
G#0	1077	SdT8-2
A 0	820	BdT8-1
A#0	1079	SdT8-4
B 0	827	BdBlip
C 1	821	BdT8-2
C#1	1081	SdT8Rim
D 1	1078	SdT8-3
D#1	752	ClapT9
E 1	753	ClapAnSm
F 1	1249	TomSyn2
F#1	1195	HHClT8-2
G 1	1249	TomSyn2
G#1	1194	HHOpT8-1
A 1	1249	TomSyn2
A#1	1196	HHOpT8-2
B 1	1249	TomSyn2
C 2	1249	TomSyn2
C#2	1274	CrashT9
D 2	1249	TomSyn2
D#2	1277	RideT9
E 2	1256	Crash
F 2	1276	CrashSyn
F#2	1275	CrashT8
G 2	1256	Crash
G#2	1130	SdRimSE
A 2	1253	CrashSt
A#2	755	CowBelT8
B 2	1276	CrashSyn
C 3	1247	TomT8
C#3	1247	TomT8
D 3	1247	TomT8
D#3	1247	TomT8
E 3	1247	TomT8
F 3	571	Applause
F#3	566	Telephone
G 3	563	Heartbeat
G#3	555	Bomb
A 3	1212	HHOpLoFi
A#3	696	MaracasSlr
B 3	551	Zap2
C 4	550	Zap1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	552	HiQ1
E 4	552	HiQ1
F 4	553	HiQ2
F#4	574	Scratch L
G 4	544	HitOrch2
G#4	1215	HHClFx
A 4	1216	HHOpFx
A#4	758	AnaShaker
B 4	758	AnaShaker
C 5	560	TurnTable
C#5	1112	SdBkRim1R
D 5	520	Mother
D#5	528	Mind Bell
E 5	1113	SdFx1
F 5	800	BdRk2St
F#5	533	LfoSeq
G 5	546	Ripper
G#5	549	NzBurst
A 5	561	Police
A#5	526	Fairwave
B 5	519	Swarm
C 6	524	RadioNz

Note	Wave No.	Wave Name
C 0	825	BdHuman1
C#0	584	ScratchVoF
D 0	543	Hit Uhh
D#0	585	ScratchVoR
E 0	1091	SdJnglFx
F 0	1047	SdRkRlSt
F#0	1108	SdBkRim1
G 0	1084	SdAnCR
G#0	1069	SdT9-1
A 0	852	BdSus
A#0	1032	SdHpStk1
B 0	825	BdHuman1
C 1	826	BdHuman2
C#1	1127	SdWood
D 1	1086	SdHuman1
D#1	1120	SdDodgH
E 1	1087	SdHuman2
F 1	825	BdHuman1
F#1	1217	HHOpHuman
G 1	825	BdHuman1
G#1	1217	HHOpHuman
A 1	825	BdHuman1
A#1	1217	HHOpHuman
B 1	825	BdHuman1
C 2	825	BdHuman1
C#2	549	NzBurst
D 2	825	BdHuman1
D#2	1275	CrashT8
E 2	1270	China
F 2	1265	CupMono
F#2	583	ScratchSdR
G 2	1271	SplashSt
G#2	545	VoxDrum
A 2	1257	Crash2
A#2	755	CowBelT8
B 2	542	StabAah
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	578	ScratchLoF
E 4	579	ScratchLoR
F 4	553	HiQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	560	TurnTable
C#5	1000	SdRkRim1R
D 5	564	Helicopter
D#5	540	StabHard
E 5	1019	SdGate1
F 5	797	BdRk1St
F#5	575	ScratchDwn
G 5	823	BdAnSm
G#5	534	Sonar1
A 5	367	Wataiko
A#5	367	Wataiko
B 5	511	HH Hit
C 6	541	StabOrgan2

Note	Wave No.	Wave Name
C 0	844	BdDist3
C#0	1127	SdWood
D 0	1019	SdGate1
D#0	742	HandClapSt
E 0	1020	SdGate2
F 0	1056	SdRollMono
F#0	1117	SdClpAna
G 0	1101	SdHip3
G#0	546	Ripper
A 0	847	BdDistRM
A#0	1081	SdT8Rim
B 0	843	BdDist2
C 1	842	BdDist1
C#1	1017	SdMdRim
D 1	1118	SdDist
D#1	549	NzBurst
E 1	1114	SdFx2
F 1	1252	TomDistLo
F#1	1191	HHClT9
G 1	1252	TomDistLo
G#1	1192	HHOpT9
A 1	1252	TomDistLo
A#1	1192	HHOpT9
B 1	1251	TomDistHi
C 2	1251	TomDistHi
C#2	1274	CrashT9
D 2	1251	TomDistHi
D#2	1277	RideT9
E 2	1270	China
F 2	1265	CupMono
F#2	760	TambrnAnCR
G 2	1256	Crash
G#2	755	CowBelT8
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	1126	SdTimber
C#3	1126	SdTimber
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	848	Bd+HH
F#3	848	Bd+HH
G 3	547	Glass
G#3	547	Glass
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	552	HiQ1
E 4	552	HiQ1
F 4	553	HiQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1118	SdDist
D 5	1122	SdFM
D#5	1123	SdFMRim
E 5	1125	SdClappy
F 5	849	BdFxmnr
F#5	548	IndusTom
G 5	832	BdD&B1
G#5	548	IndusTom
A 5	810	BdRoom3
A#5	548	IndusTom
B 5	816	BdT9-4
C 6	1128	SdHammer

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1057	SdBkRimSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBkRim2St
E 0	1066	SdBkRimAtSt
F 0	1053	SdLvRolSt
F#0	734	Castanet
G 0	866	SdNm1St
G#0	732	Stick
A 0	802	BdRk2R
A#0	969	SdLdw1St
B 0	838	BdBkR1
C 1	802	BdRk2R
C#1	1031	SdRkStk2R
D 1	925	SdSon1L
D#1	743	HandClapL
E 1	1014	SdPcRim
F 1	1244	TomAmbLo
F#1	1175	HHClRk2R
G 1	1244	TomAmbLo
G#1	1178	HHPdIRkR
A 1	1244	TomAmbLo
A#1	1185	HHOpRkR
B 1	1243	TomAmbHi
C 2	1243	TomAmbHi
C#2	1254	CrashL
D 2	1243	TomAmbHi
D#2	1260	RideR
E 2	1268	ChinaL
F 2	1263	CupR
F#2	714	TambrnSw
G 2	1273	SplashR
G#2	747	MamboBel
A 2	1254	CrashL
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	591	ScratchCb2
G 4	577	ScratchHIR
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1013	SdPicol
D 5	1024	SdHeavy
D#5	1117	SdClpAna
E 5	1014	SdPcRim
F 5	809	BdRoom2
F#5	1016	SdMid
G 5	810	BdRoom3
G#5	1017	SdMdRim
A 5	811	BdGate
A#5	1019	SdGate1
B 5	812	BdFXGate
C 6	832	BdD&B1

PRE 26 AmbientKit

Note	Wave No.	Wave Name
C 0	827	BdBlip
C#0	553	HiQ2
D 0	1015	SdPcRim2
D#0	552	HiQ1
E 0	1084	SdAnCR
F 0	1248	TomSyn1
F#0	1213	HHCISyn
G 0	1248	TomSyn1
G#0	1215	HHCIFx
A 0	1249	TomSyn2
A#0	1214	HHOpSyn
B 0	824	BdAnCR
C 1	813	BdT9-1
C#1	1034	SdHpStk3
D 1	1088	SdJngl1
D#1	752	ClapT9
E 1	1088	SdJngl1
F 1	1247	TomT8
F#1	1195	HHCIT8-2
G 1	1247	TomT8
G#1	1194	HHOpT8-1
A 1	1247	TomT8
A#1	1196	HHOpT8-2
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1276	CrashSyn
D 2	1247	TomT8
D#2	1277	RideT9
E 2	1256	Crash
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	755	CowBelT8
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	547	Glass
G#3	547	Glass
A 3	699	Cabasa1
A#3	761	MarcasT8
B 3	568	Bird
C 4	569	Stream
C#4	559	Thunder
D 4	570	Gunshot
D#4	762	ClaveT8
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	760	TambrnAnCR
G 4	757	CowBelAnCR
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1080	SdT8-5
D 5	534	Sonar1
D#5	1080	SdT8-5
E 5	523	Resonator
F 5	518	Bubble
F#5	1080	SdT8-5
G 5	518	Bubble
G#5	1080	SdT8-5
A 5	509	Eery
A#5	1080	SdT8-5
B 5	504	WindChime
C 6	504	WindChime

PRE 27 Jazz Kit

Note	Wave No.	Wave Name
C 0	809	BdRoom2
C#0	1059	SdBkMTR
D 0	1066	SdBSwrAtSt
D#0	1060	SdBkM2St
E 0	1066	SdBSwrAtSt
F 0	1053	SnLvRolSt
F#0	734	Castanet
G 0	984	SdHip1St
G#0	732	Stick
A 0	778	BdFkML
A#0	1029	SdRkStk2St
B 0	794	BdFkSonSt
C 1	773	BdFkSt1-2
C#1	1042	SdClRmSt
D 1	969	SdLdw1St
D#1	742	HandClapSt
E 1	948	SdBhSt1-3
F 1	1227	TomFlSt
F#1	1152	HHCIFSt
G 1	1227	TomFlSt
G#1	1146	HHPdSt
A 1	1224	TomLoSt
A#1	1158	HHOp2St
B 1	1221	TomMdSt
C 2	1221	TomMdSt
C#2	1253	CrashSt
D 2	1218	TomHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	715	TambrnHit
G 2	1271	SplashSt
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	684	TimbaleH1
F#3	684	TimbaleH1
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	1063	SdBkMTR
C 4	1063	SdBkMTR
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	751	BellTree
C#5	940	SdBIL1-3
D 5	895	SdFkAySt
D#5	956	SdBhR1-3
E 5	934	SdBSt1-2
F 5	786	BdLdL
F#5	1021	SdLdwHmono
G 5	804	BdDry2
G#5	1066	SdBkMTR
A 5	859	BdSlimy
A#5	1056	SdRollMono
B 5	772	BdNm2R
C 6	1256	Crash

PRE 28 Hip Hop3

Note	Wave No.	Wave Name
C 0	1081	SdT8Rim
C#0	554	VoxHitRev
D 0	560	TurnTable
D#0	540	StabHard
E 0	585	ScratchVoR
F 0	1056	SdRollMono
F#0	762	ClaveT8
G 0	989	SdHip1R
G#0	1035	SdHpStk4
A 0	824	BdAnCR
A#0	1105	SdHipRm3
B 0	815	BdT9-3
C 1	836	BdHipDp
C#1	1036	SdHpStk5
D 1	1102	SdHipGate
D#1	744	HandClapR
E 1	1129	SdLofi
F 1	1247	TomT8
F#1	1208	HHCiHip
G 1	1247	TomT8
G#1	1209	HHPdHip
A 1	1247	TomT8
A#1	1210	HHOpHip
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1257	Crash2
D 2	1247	TomT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1032	SdHpStk1
D 5	1088	SdJngl1
D#5	744	HandClapR
E 5	1111	SdBkRimHvy
F 5	574	Scratch L
F#5	575	ScratchDwn
G 5	576	ScratchHif
G#5	578	ScratchLoF
A 5	579	ScratchLoR
A#5	580	ScratchBdF
B 5	581	ScratchBdR
C 6	840	BdBkRimHrd

PRE 29 Hip Hop4

Note	Wave No.	Wave Name
C 0	1033	SdHpStk2
C#0	553	HiQ2
D 0	560	TurnTable
D#0	536	HitOrch1
E 0	587	ScratchSpn
F 0	1049	SdRkRolR
F#0	762	ClaveT8
G 0	1110	SdBkRim3
G#0	1040	SdHpStk7
A 0	835	BdR&B2
A#0	1097	SdR&B1Rm
B 0	816	BdT9-4
C 1	814	BdT9-2
C#1	1034	SdHpStk3
D 1	1105	SdHipRm3
D#1	744	HandClapR
E 1	1106	SdHipRm4
F 1	822	BdT8-3
F#1	1191	HHCIT9
G 1	822	BdT8-3
G#1	1192	HHOpT9
A 1	822	BdT8-3
A#1	1192	HHOpT9
B 1	822	BdT8-3
C 2	822	BdT8-3
C#2	1257	Crash2
D 2	822	BdT8-3
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1042	SdClRmSt
D 5	1091	SdJnglFfx
D#5	744	HandClapR
E 5	1112	SdBkRim3
F 5	577	ScratchHIR
F#5	578	ScratchLoF
G 5	579	ScratchLoR
G#5	580	ScratchBdF
A 5	581	ScratchBdR
A#5	582	ScratchSdF
B 5	583	ScratchSdR
C 6	841	BdBkRimHrd

PRE 30 HipStick2

Note	Wave No.	Wave Name
C 0	1106	SdHipRm4
C#0	549	NzBurst
D 0	560	TurnTable
D#0	543	HitUhh
E 0	581	ScratchBdR
F 0	1055	SnLvRolR
F#0	762	ClaveT8
G 0	1083	SdAnSmRim
G#0	1102	SdHipGate
A 0	815	BdT9-3
A#0	1081	SdT8Rim
B 0	821	BdT8-2
C 1	813	BdT9-1
C#1	1105	SdHipRm3
D 1	1034	SdHpStk3
D#1	744	HandClapR
E 1	1035	SdHpStk4
F 1	1246	TomT9Lo
F#1	1191	HHCIT9
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	1245	TomT9Hi
C 2	1245	TomT9Hi
C#2	1257	Crash2
D 2	1245	TomT9Hi
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1083	SdAnSmRim
D 5	1044	SdClRmR
D#5	1106	SdHipRm4
E 5	1046	SdClRim3
F 5	574	Scratch L
F#5	575	ScratchDwn
G 5	576	ScratchHif
G#5	578	ScratchLoF
A 5	581	ScratchBdR
A#5	591	ScratchCb2
B 5	586	ScratchStp
C 6	828	BdBlpHd

PRE 31 Garage

Note	Wave No.	Wave Name
C 0	854	BdHardLong
C#0	813	BdT9-1
D 0	859	BdSlimy
D#0	856	BdAnHard
E 0	845	BdDist4
F 0	835	BdR&B2
F#0	836	BdHipDp
G 0	849	BdFxHmr
G#0	817	BdT9Hd1
A 0	822	BdT8-3
A#0	852	BdSus
B 0	851	BdZapMid
C 1	821	BdT8-2
C#1	859	BdSlimy
D 1	1076	SdT8-1
D#1	1081	SdT8Rim
E 1	1125	SdClappy
F 1	939	SdB3St
F#1	1149	HHOpSt
G 1	1195	HHCIT8-2
G#1	1149	HHOpSt
A 1	1196	HHOpT8-2
A#1	1149	HHOpSt
B 1	1196	HHOpT8-2
C 2	753	ClapAnSm
C#2	1253	CrashSt
D 2	1274	CrashT9
D#2	1258	RideSt
E 2	1277	RideT9
F 2	763	AnaClick
F#2	762	ClaveT8
G 2	753	ClapAnSm
G#2	752	ClapT9
A 2	758	AnaShaker
A#2	754	CongaT8
B 2	754	CongaT8
C 3	1084	SdAnCR
C#3	1047	SdRkRolSt
D 3	724	AgogoHi
D#3	1308	ChinaRL
E 3	553	HiQ1
F 3	552	HiQ1
F#3	551	Zap2
G 3	550	Zap1
G#3	551	Zap2
A 3	562	DoorSqk
A#3	592	ScratchCb3
B 3	597	FretNoise
C 4	602	PlayFxtG5
C#4	576	ScratchHIF
D 4	60	Wurli+
D#4	60	Wurli+
E 4	60	Wurli+
F 4	531	ResoXFade
F#4	534	Sonar1
G 4	545	VoxDrum
G#4	545	VoxDrum
A 4	545	VoxDrum
A#4	1214	HHOpSyn
B 4	1213	HHCiSyn
C 5	464	TriWv
C#5	464	TriWv
D 5	464	TriWv
D#5	464	TriWv
E 5	464	TriWv
F 5	464	TriWv
F#5	464	TriWv
G 5	464	TriWv
G#5	464	TriWv
A 5	464	TriWv
A#5	464	TriWv
B 5	464	TriWv
C 6	464	TriWv

PRE 32 ALL-ROUND

Note	Wave No.	Wave Name
C 0	854	BdHardLong
C#0	853	BdTekPower
D 0	846	BdDist5
D#0	844	BdDist3
E 0	842	BdDist1
F 0	832	BdD&B1
F#0	827	BdBlip
G 0	823	BdAnSm
G#0	821	BdT8-2
A 0	820	BdT8-1
A#0	819	BdT9Hd3
B 0	814	BdT9-2
C 1	815	BdT9-3
C#1	852	BdSus
D 1	1069	SdT9-1
D#1	1075	SdT9Rim
E 1	1072	SdT9-4
F 1	1246	TomT9Lo
F#1	1191	HHCIT9
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	752	ClapT9
C 2	753	ClapAnSm
C#2	1274	CrashT9
D 2	754	CongaT8
D#2	1277	RideT9
E 2	754	CongaT8
F 2	763	AnaClick
F#2	762	ClaveT8
G 2	761	Marcst8
G#2	760	TambrnAnCR
A 2	758	AnaShaker
A#2	755	CowBelT8
B 2	757	CowBelAnCR
C 3	1076	SdT8-1
C#3	1077	SdT8-2
D 3	1078	SdT8-3
D#3	1084	SdAnCR
E 3	1088	SdJng1
F 3	1092	SdD&B1
F#3	1095	SdD&B4
G 3	1096	SdR&B1
G#3	1098	SdR&B2
A 3	1099	SdHip1
A#3	1127	SdWood
B 3	1126	SdTimber
C 4	1193	HHCIT8-1
C#4	1194	HHOpT8-1
D 4	1195	HHCIT8-2
D#4	1196	HHOpT8-2
E 4	1146	HHPdlSt
F 4	1149	HHOpSt
F#4	1149	HHOpSt
G 4	1211	HHCiLoFi
G#4	1212	HHOpLoFi
A 4	1213	HHCiSyn
A#4	1214	HHOpSyn
B 4	758	AnaShaker
C 5	759	TambrnRX5
C#5	714	TambrnSw
D 5	746	Cowbell2
D#5	676	BongoHi1
E 5	684	TimbaleHi1
F 5	736	WoodBlock
F#5	854	BdHardLong
G 5	669	TumbaOp
G#5	665	QuintOp
A 5	557	FxGun2
A#5	555	Bomb
B 5	850	BdZapHrd
C 6	589	ScratchHp2

PRE 33 Rock Multi

Note	Wave No.	Wave Name
C 0	764	BdNmSt1-2
C#0	1026	SdRkStk1St
D 0	1001	SdRkOp2St
D#0	1047	SdRkRolSt
E 0	992	SdRkOp1St
F 0	1224	TomLoSt
F#0	1152	HHCiFiSt
G 0	1224	TomLoSt
G#0	1146	HHPdlSt
A 0	1221	TomMdSt
A#0	1149	HHOpSt
B 0	1218	TomHiSt
C 1	800	BdRk2St
C#1	1026	SdRkStk1St
D 1	1001	SdRkOp2St
D#1	742	HandClapSt
E 1	1004	SdRkMte2St
F 1	1236	TomRkLoSt
F#1	1161	HHCiRkStSw
G 1	1236	TomRkLoSt
G#1	1170	HHPdlRkStSw
A 1	1233	TomRkMdSt
A#1	1179	HHOpRkStSw
B 1	1233	TomRkMdSt
C 2	1230	TomRkHiSt
C#2	1253	CrashSt
D 2	1230	TomRkHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1271	SplashSt
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	704	Shaker1-2
B 2	1258	RideSt
C 3	797	BdRk1St
C#3	1029	SdRkStk2St
D 3	992	SdRkOp1St
D#3	752	ClapT9
E 3	995	SdRkMte1St
F 3	1236	TomRkLoSt
F#3	1161	HHCiRkStSw
G 3	1236	TomRkLoSt
G#3	1176	HHPdlRkSt
A 3	1233	TomRkMdSt
A#3	1181	HHOpRkSt
B 3	1233	TomRkMdSt
C 4	1230	TomRkHiSt
C#4	1253	CrashSt
D 4	1230	TomRkHiSt
D#4	1259	RideL
E 4	1267	ChinaSt
F 4	1261	CupSt
F#4	715	TambrnHit
G 4	1271	SplashSt
G#4	747	MamboBel
A 4	1253	CrashSt
A#4	711	ShekereDw
B 4	1260	RideR
C 5	773	BdHipSt1-2
C#5	1026	SdRkStk1St
D 5	998	SdRkRim1St
D#5	1010	SdRkFilSt
E 5	1007	SdRkRim2St
F 5	1227	TomFiSt
F#5	1135	HHCi4St
G 5	1224	TomLoSt
G#5	1146	HHPdlSt
A 5	1221	TomMdSt
A#5	1158	HHOp2St
B 5	1221	TomMdSt
C 6	1218	TomHiSt

PRE 34 Hip Multi

Note	Wave No.	Wave Name
C 0	822	BdT8-3
C#0	1081	SdT8Rim
D 0	1121	SdDodgL
D#0	752	ClapT9
E 0	1101	SdHip3
F 0	822	BdT8-3
F#0	1206	HHCITek
G 0	822	BdT8-3
G#0	1207	HHOpTek
A 0	822	BdT8-3
A#0	1207	HHOpTek
B 0	822	BdT8-3
C 1	836	BdHipDp
C#1	1035	SdHpStk4
D 1	1103	SdHipRm1
D#1	744	HandClapR
E 1	1100	SdHip2
F 1	1247	TomT8
F#1	1195	HHCIT8-2
G 1	1247	TomT8
G#1	1199	HHOpAnCR
A 1	1247	TomT8
A#1	1194	HHOpT8-1
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1274	CrashT9
D 2	1247	TomT8
D#2	1276	CrashSyn
E 2	1276	CrashSyn
F 2	1275	CrashT8
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	755	CowBelT8
A 2	1274	CrashT9
A#2	757	CowBelAnCR
B 2	1277	RideT9
C 3	836	BdHipDp
C#3	1036	SdHpStk5
D 3	1104	SdHipRm2
D#3	743	HandClapL
E 3	1099	SdHip1
F 3	1246	TomT9Lo
F#3	1197	HHCiRX5
G 3	1246	TomT9Lo
G#3	1198	HHCiAnCR
A 3	1246	TomT9Lo
A#3	1196	HHOpT8-2
B 3	1246	TomT9Lo
C 4	1245	TomT9Hi
C#4	1255	CrashR
D 4	1245	TomT9Hi
D#4	1275	CrashT8
E 4	1276	CrashSyn
F 4	1275	CrashT8
F#4	715	TambrnHit
G 4	1269	ChinaR
G#4	756	CowBelRX11
A 4	1254	CrashL
A#4	745	Cowbel1
B 4	1260	RideR
C 5	836	BdHipDp
C#5	1041	SdHipStk8
D 5	1102	SdHipGate
D#5	1100	SdHip2
E 5	1107	SdHipRm5
F 5	1252	TomDistLo
F#5	1208	HHCiHip
G 5	1252	TomDistLo
G#5	1209	HHPdlHip
A 5	1251	TomDistHi
A#5	1210	HHOpHip
B 5	1251	TomDistHi
C 6	1250	TomAnSm

PRE 35 Percussion

Note	Wave No.	Wave Name
C 0	367	Wataiko
C#0	377	Udo Hi
D 0	370	DjembeOp
D#0	667	QuintTip
E 0	378	Udo Low
F 0	376	UdoFinger
F#0	377	Udo Hi
G 0	372	TabraBya
G#0	721	TmbourimOp
A 0	374	TablaMut
A#0	373	TabraNah
B 0	374	TablaMut
C 1	92	Timpani
C#1	543	Hit Uhh
D 1	594	PickNoise1
D#1	752	ClapT9
E 1	741	TriangleMt
F 1	740	TriangleOp
F#1	734	Castanet
G 1	734	Castanet
G#1	734	Castanet
A 1	727	GueroLong
A#1	728	GueroShort
B 1	729	GueroSwp
C 2	737	Vibraslap
C#2	735	Clave
D 2	762	ClaveT8
D#2	673	CuicaLo
E 2	674	CuicaHi
F 2	687	TmbaleL1-3
F#2	736	WoodBlock
G 2	689	TmbaleLo2
G#2	736	WoodBlock
A 2	683	TmbaleH1-3
A#2	749	ChaCha
B 2	685	TmbaleHi2
C 3	691	TmbiPailaL
C#3	691	TmbiPailaL
D 3	690	TmbiPailaH
D#3	747	MamboBel
E 3	679	BongoLo1-3
F 3	682	BongoLo3
F#3	745	Cowbel1
G 3	675	BongoHi1-2
G#3	746	Cowbell2
A 3	678	BongoHHeel
A#3	725	AgogoLo
B 3	724	AgogoHi
C 4	672	TumbaHeel
C#4	671	TumbaTip
D 4	670	TumbaSlp
D#4	696	MaracasSlr
E 4	669	TumbaOp
F 4	664	CongaHeel
F#4	663	CongaTip
G 4	662	CongaSlp
G#4	705	Shaker1
A 4	661	CongaOp
A#4	699	Cabasa1
B 4	698	Cabasa1-2
C 5	668	QuintHeel
C#5	667	QuintTip
D 5	666	QuintSlp
D#5	706	Shaker2
E 5	665	QuintOp
F 5	702	Caxixi1
F#5	716	TambrnShk
G 5	715	TambrnHit
G#5	714	TambrnSw
A 5	715	TambrnHit
A#5	750	SleighBel
B 5	738	Whistle
C 6	738	Whistle

PRE 36 Latin Perc

Note	Wave No.	Wave Name
C 0	791	BdLsonSt
C#0	1029	SdRkStk2St
D 0	883	SdFkSt1/3
D#0	1253	CrashSt
E 0	1271	SplashSt
F 0	1224	TomLoSt
F#0	1131	HHCIst1-4
G 0	1224	TomLoSt
G#0	1146	HHPdiSt
A 0	1221	TomMdSt
A#0	1149	HHOpSt
B 0	1218	TomHiSt
C 1	671	TumbaTip
C#1	672	TumbaHeel
D 1	670	TumbaSlp
D#1	735	Clave
E 1	669	TumbaOp
F 1	663	CongaTip
F#1	664	CongaHeel
G 1	662	CongaSlp
G#1	749	ChaCha
A 1	661	CongaOp
A#1	748	MamboBdy
B 1	747	MamboBel
C 2	667	QuintTip
C#2	668	QuintHeel
D 2	666	QuintSlp
D#2	749	ChaCha
E 2	665	QuintOp
F 2	680	BongoLo1
F#2	678	BongoHHeel
G 2	676	BongoHi1
G#2	688	TimbaleLo1
A 2	691	TmblPailaL
A#2	684	TimbaleHi1
B 2	690	TmblPailaH
C 3	736	WoodBlock
C#3	736	WoodBlock
D 3	711	ShekereDw
D#3	712	ShekereUp
E 3	713	ShekereSap
F 3	696	MaracasSlr
F#3	697	MaracasStc
G 3	727	GuiroLong
G#3	728	GuiroShort
A 3	729	GuiroSwp
A#3	731	SurdoMt
B 3	730	SurdoOp
C 4	719	PandierTip
C#4	720	PandroHeel
D 4	718	PandierThm
D#4	717	PandieroOp
E 4	722	Tmbourmfng
F 4	723	TmbourimMt
F#4	721	TmbourimOp
G 4	726	AgogoLoTap
G#4	725	AgogoLo
A 4	724	AgogoHi
A#4	740	TriangleOp
B 4	741	TriangleMt
C 5	692	GanzaAc
C#5	693	GanzaBk
D 5	694	GanzaFw
D#5	699	Cabasa1
E 5	700	Cabasa2
F 5	702	Caxixi1
F#5	703	Caxixi2
G 5	673	Cuicalo
G#5	674	CuicaloHi
A 5	738	Whistle
A#5	738	Whistle
B 5	737	Vibraslap
C 6	751	BellTree

PRE 37 Gtr/Bs Fx

Note	Wave No.	Wave Name
C 0	618	PlayFxAba8
C#0	618	PlayFxAba8
D 0	601	PlayFxAba8
D#0	188	PwrChdMono
E 0	188	PwrChdMono
F 0	619	PlayFxAba9
F#0	595	PickNoise2
G 0	616	PlayFxAba6
G#0	595	PickNoise2
A 0	616	PlayFxAba6
A#0	604	PlayFxAba7
B 0	622	PlyFxSlp1H
C 1	643	PlyFxSl12S
C#1	614	PlayFxAba4
D 1	600	PlayFxAba3
D#1	619	PlayFxAba9
E 1	602	PlayFxAba5
F 1	623	PlyFxSlp2S
F#1	595	PickNoise2
G 1	623	PlyFxSlp2S
G#1	595	PickNoise2
A 1	623	PlyFxSlp2S
A#1	597	FretNoise
B 1	623	PlyFxSlp2S
C 2	623	PlyFxSlp2S
C#2	657	PlyFxSl19S
D 2	623	PlyFxSlp2S
D#2	595	PickNoise2
E 2	657	PlyFxSl19S
F 2	595	PickNoise2
F#2	624	PlyFxSlp2H
G 2	657	PlyFxSl19S
G#2	609	PlayFxAba12
A 2	657	PlyFxSl19S
A#2	655	PlyFxSl18S
B 2	595	PickNoise2
C 3	614	PlayFxAba4
C#3	614	PlayFxAba4
D 3	612	PlayFxAba2
D#3	613	PlayFxAba3
E 3	611	PlayFxAba1
F 3	618	PlayFxAba8
F#3	618	PlayFxAba8
G 3	618	PlayFxAba8
G#3	618	PlayFxAba8
A 3	603	PlayFxAba6
A#3	601	PlayFxAba4
B 3	610	PlayFxAba13
C 4	609	PlayFxAba12
C#4	615	PlayFxAba5
D 4	616	PlayFxAba6
D#4	594	PickNoise1
E 4	594	PickNoise1
F 4	596	PickNoise3
F#4	604	PlayFxAba7
G 4	605	PlayFxAba8
G#4	595	PickNoise2
A 4	595	PickNoise2
A#4	600	PlayFxAba3
B 4	655	PlyFxSl18S
C 5	606	PlayFxAba9
C#5	607	PlayFxAba10
D 5	608	PlayFxAba11
D#5	598	PlayFxAba10
E 5	599	PlayFxAba12
F 5	600	PlayFxAba13
F#5	601	PlayFxAba14
G 5	653	PlyFxSl17S
G#5	634	PlyFxSlp7H
A 5	633	PlyFxSlp7S
A#5	656	PlyFxSl18H
B 5	657	PlyFxSl19S
C 6	659	PlyFxSl20S

PRE 38 Wacko Kit

Note	Wave No.	Wave Name
C 0	630	PlyFxSlp5H
C#0	594	PickNoise1
D 0	1203	HHPdiID&B
D#0	743	HandClapL
E 0	584	ScratchVoF
F 0	548	IndusTom
F#0	1127	SdWood
G 0	548	IndusTom
G#0	1117	SdClpAna
A 0	548	IndusTom
A#0	1123	SdFMRim
B 0	812	BdFXGate
C 1	849	BdFXHmr
C#1	614	PlayFxAba4
D 1	1122	SdFm
D#1	743	HandClapL
E 1	1126	SdTimber
F 1	1249	TomSyn2
F#1	1213	HHCIStn
G 1	1249	TomSyn2
G#1	1214	HHOpSyn
A 1	1249	TomSyn2
A#1	1214	HHOpSyn
B 1	1249	TomSyn2
C 2	1249	TomSyn2
C#2	1189	HHOpMono
D 2	534	Sonar1
D#2	1194	HHOpT8-1
E 2	1189	HHOpMono
F 2	1262	CupL
F#2	750	SleighBel
G 2	1196	HHOpT8-2
G#2	531	ResoXFade
A 2	1254	CrashL
A#2	572	RainLoop
B 2	1263	CupR
C 3	516	AirHoseL
C#3	516	AirHoseL
D 3	377	Udo Hi
D#3	426	MgBass2
E 3	427	MgBass3
F 3	618	PlayFxAba8
F#3	618	PlayFxAba8
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	1217	HHOpHuman
A#3	554	VoxHitRev
B 3	552	HiQ1
C 4	552	HiQ1
C#4	533	LfoSeq
D 4	533	LfoSeq
D#4	505	BellAir
E 4	511	HH Hit
F 4	511	HH Hit
F#4	525	OohFB
G 4	525	OohFB
G#4	528	Mind Bell
A 4	547	Glass
A#4	519	Swarm
B 4	557	FxGun2
C 5	521	Lektronica
C#5	609	PlayFxAba12
D 5	570	Gunshot
D#5	561	Police
E 5	546	Ripper
F 5	604	PlayFxAba7
F#5	556	TapeRewnd
G 5	558	FxGun1
G#5	555	Bomb
A 5	551	Zap2
A#5	549	NzBurst
B 5	539	StabGiant
C 6	538	StabOrch

PRE 39 Wood Bits

Note	Wave No.	Wave Name
C 0	762	ClaveT8
C#0	1038	SdHpStk6L
D 0	727	GuiroLong
D#0	1039	SdHpStk6R
E 0	727	GuiroLong
F 0	619	PlayFxAba9
F#0	734	Castanet
G 0	618	PlayFxAba8
G#0	732	Stick
A 0	617	PlayFxAba7
A#0	614	PlayFxAba4
B 0	1245	TomT9Hi
C 1	596	PickNoise3
C#1	1046	SdClRim3
D 1	733	Stick2
D#1	727	GuiroLong
E 1	733	Stick2
F 1	614	PlayFxAba4
F#1	1083	SdAnSmRim
G 1	614	PlayFxAba4
G#1	753	ClapAnSm
A 1	614	PlayFxAba4
A#1	737	Vibraslap
B 1	614	PlayFxAba4
C 2	614	PlayFxAba4
C#2	565	Seashore
D 2	614	PlayFxAba4
D#2	1029	SdRkStk2St
E 2	571	Applause
F 2	1027	SdRkStk1L
F#2	716	TambrnShk
G 2	565	Seashore
G#2	736	WoodBlock
A 2	571	Applause
A#2	564	Helicopter
B 2	1031	SdRkStk2R
C 3	613	PlayFxAba3
C#3	613	PlayFxAba3
D 3	734	Castanet
D#3	734	Castanet
E 3	736	WoodBlock
F 3	691	TmblPailaL
F#3	691	TmblPailaL
G 3	732	Stick
G#3	733	Stick2
A 3	701	Caxixi1-2
A#3	703	Caxixi2
B 3	562	DoorSsq
C 4	562	DoorSsq
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	562	DoorSsq
G 4	562	DoorSsq
G#4	736	WoodBlock
A 4	735	Clave
A#4	562	DoorSsq
B 4	743	HandClapL
C 5	749	ChaCha
C#5	1001	SdRkOp2St
D 5	831	BdJngl3
D#5	666	QuintSlp
E 5	809	BdRoom2
F 5	788	BdHsonSt
F#5	1024	SdHeavy
G 5	614	PlayFxAba4
G#5	1026	SdRkStk1St
A 5	859	BdSlimy
A#5	1019	SdGate1
B 5	794	BdFkSonSt
C 6	811	BdGate

PRE 40 Metal Bits

Note	Wave No.	Wave Name
C 0	755	CowBellT8
C#0	1145	HHCI4R
D 0	1263	CupR
D#0	1214	HHOpSyn
E 0	1262	CupL
F 0	1261	CupSt
F#0	446	FMMetal2
G 0	1258	RideSt
G#0	1258	RideSt
A 0	746	Cowbell2
A#0	1132	HHCI1St
B 0	749	ChaCha
C 1	746	Cowbell2
C#1	1213	HHCIStn
D 1	1207	HHOpTek
D#1	1195	HHCI8-2
E 1	1197	HHCI8X5
F 1	746	Cowbell2
F#1	1194	HHOpT8-1
G 1	746	Cowbell2
G#1	1213	HHCIStn
A 1	746	Cowbell2
A#1	1214	HHOpSyn
B 1	746	Cowbell2
C 2	746	Cowbell2
C#2	1216	HHOpFx
D 2	746	Cowbell2
D#2	1261	CupSt
E 2	1199	HHOpAnCR
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1216	HHOpFx
G#2	747	MamboBel
A 2	1216	HHOpFx
A#2	750	SleighBel
B 2	1264	RideMono
C 3	78	Vibraphone
C#3	78	Vibraphone
D 3	82	Tubular
D#3	83	Bell
E 3	86	BrBell
F 3	690	TmblPailaH
F#3	691	TmblPailaL
G 3	83	Bell
G#3	83	Bell
A 3	1132	HHCI1St
A#3	1199	HHOpAnCR
B 3	505	BellAir
C 4	504	WindChime
C#4	1184	HHOpRkL
D 4	521	Lektronica
D#4	725	AgogoLo
E 4	745	Cowbell1
F 4	746	Cowbell2
F#4	513	HiLo
G 4	513	HiLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	504	WindChime
B 4	750	SleighBel
C 5	751	BellTree
C#5	87	SmBell
D 5	87	SmBell
D#5	86	BrBell
E 5	88	Hibasi
F 5	76	Harpicord
F#5	1021	SdLdwHMono
G 5	78	Vibraphone
G#5	1022	SdBrRim
A 5	358	Gamelan2
A#5	376	UdoFinger
B 5	89	FingerCym
C 6	83	Bell

PRE 41 Hands Kit

Note	Wave No.	Wave Name
C 0	374	TablaMut
C#0	1057	SdBrMtSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBrMt2St
E 0	1066	SdBswrAtSt
F 0	657	PlyFxSl19S
F#0	614	PlayFxAba4
G 0	718	PandierThm
G#0	374	TablaMut
A 0	648	PlyFxSl14H
A#0	614	PlayFxAba4
B 0	375	TabraCmb
C 1	367	Wataiko
C#1	667	QuintTip
D 1	1060	SdBrMt2St
D#1	742	HandClapSt
E 1	895	SdFrAySt
F 1	378	Udo Low
F#1	374	TablaMut
G 1	378	Udo Low
G#1	372	TabraBya
A 1	377	Udo Hi
A#1	373	TabraNah
B 1	377	Udo Hi
C 2	376	UdoFinger
C#2	1260	RideR
D 2	376	UdoFinger
D#2	1261	CupSt
E 2	1266	CupMono2
F 2	1261	CupSt
F#2	715	TambrnHit
G 2	1261	CupSt
G#2	745	Cowbel1
A 2	1264	RideMono
A#2	737	Vibraslap
B 2	1259	RideL
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	722	TmbourmFng
A#3	722	TmbourmFng
B 3	743	HandClapL
C 4	743	HandClapL
C#4	727	GuiroLong
D 4	727	GuiroLong
D#4	376	UdoFinger
E 4	372	TabraBya
F 4	663	CongaTip
F#4	377	Udo Hi
G 4	377	Udo Hi
G#4	376	UdoFinger
A 4	89	FingerCym
A#4	374	TablaMut
B 4	750	SleighBel
C 5	751	BellTree
C#5	614	PlayFxAba4
D 5	613	PlayFxAba3
D#5	613	PlayFxAba3
E 5	612	PlayFxAba2
F 5	613	PlayFxAba3
F#5	618	PlayFxAba8
G 5	669	TumbaOp
G#5	611	PlayFxAba1
A 5	617	PlayFxAba7
A#5	378	Udo Low
B 5	371	DjembeCmb
C 6	670	TumbaSlp

PRE 42 Scratches

Note	Wave No.	Wave Name
C 0	573	Scratch H
C#0	574	Scratch L
D 0	575	ScratchDwn
D#0	576	ScratchHiF
E 0	577	ScratchHIR
F 0	578	ScratchLoF
F#0	579	ScratchLoR
G 0	580	ScratchBdF
G#0	581	ScratchBdR
A 0	582	ScratchSdF
A#0	583	ScratchSdR
B 0	584	ScratchVoF
C 1	573	Scratch H
C#1	574	Scratch L
D 1	575	ScratchDwn
D#1	576	ScratchHiF
E 1	577	ScratchHIR
F 1	578	ScratchLoF
F#1	579	ScratchLoR
G 1	580	ScratchBdF
G#1	581	ScratchBdR
A 1	582	ScratchSdF
A#1	583	ScratchSdR
B 1	584	ScratchVoF
C 2	585	ScratchVoR
C#2	586	ScratchStp
D 2	587	ScratchSpn
D#2	588	ScratchcHip
E 2	589	ScratchHp2
F 2	590	ScratchCmb
F#2	591	ScratchCb2
G 2	592	ScratchCb3
G#2	593	ScratchCb4
A 2	573	Scratch H
A#2	574	Scratch L
B 2	575	ScratchDwn
C 3	576	ScratchHiF
C#3	577	ScratchHIR
D 3	578	ScratchLoF
D#3	579	ScratchLoR
E 3	580	ScratchBdF
F 3	581	ScratchBdR
F#3	582	ScratchSdF
G 3	583	ScratchSdR
G#3	584	ScratchVoF
A 3	585	ScratchVoR
A#3	586	ScratchStp
B 3	587	ScratchSpn
C 4	588	ScratchcHip
C#4	589	ScratchHp2
D 4	590	ScratchCmb
D#4	591	ScratchCb2
E 4	592	ScratchCb3
F 4	593	ScratchCb4
F#4	573	Scratch H
G 4	574	Scratch L
G#4	575	ScratchDwn
A 4	576	ScratchHiF
A#4	577	ScratchHIR
B 4	578	ScratchLoF
C 5	579	ScratchLoR
C#5	580	ScratchBdF
D 5	581	ScratchBdR
D#5	582	ScratchSdF
E 5	583	ScratchSdR
F 5	584	ScratchVoF
F#5	585	ScratchVoR
G 5	586	ScratchStp
G#5	587	ScratchSpn
A 5	588	ScratchcHip
A#5	589	ScratchHp2
B 5	590	ScratchCmb
C 6	591	ScratchCb2

PRE 43 AcstSnares

Note	Wave No.	Wave Name
C 0	866	SdNm1St
C#0	867	SdNm2St
D 0	868	SdNm3St
D#0	869	SdNm4St
E 0	884	SdFk1St
F 0	885	SdFk2St
F#0	886	SdFk3St
G 0	895	SdFkAySt
G#0	902	SdBs1St
A 0	903	SdBs2St
A#0	904	SdBs3St
B 0	919	SdSon1St
C 1	920	SdSon2St
C#1	921	SdSon3St
D 1	922	SdSon4St
D#1	937	SdBH1St
E 1	938	SdBH2St
F 1	939	SdBH3St
F#1	952	SdBh1St
G 1	953	SdBh2St
G#1	954	SdBh3St
A 1	969	SdLdw1St
A#1	970	SdLdw2St
B 1	971	SdLdw3St
C 2	972	SdLdw4St
C#2	984	SdHip1St
D 2	985	SdHip2St
D#2	992	SdRkOp1St
E 2	995	SdRkMte1St
F 2	998	SdRkRim1St
F#2	1001	SdRkOp2St
G 2	1004	SdRkMte2St
G#2	1007	SdRkRim2St
A 2	1010	SdRkFimSt
A#2	992	SdRkOp1St
B 2	995	SdRkMte1St
C 3	998	SdRkRim1St
C#3	1001	SdRkOp2St
D 3	1004	SdRkMte2St
D#3	1007	SdRkRim2St
E 3	1010	SdRkFimSt
F 3	868	SdNm3St
F#3	895	SdFkAySt
G 3	904	SdBs3St
G#3	921	SdSon3St
A 3	954	SdBh3St
A#3	971	SdLdw3St
B 3	980	SdBh2R
C 4	1013	SdPicol
C#4	1014	SdPcRim
D 4	1015	SdPcRim2
D#4	1016	SdMid
E 4	1017	SdMdRim
F 4	1018	SdAmb
F#4	1019	SdGate1
G 4	1021	SdLdwHMono
G#4	1022	SdBrRim
A 4	1023	SdDry
A#4	1024	SdHeavy
B 4	1025	SdGM
C 5	1026	SdRkStk1St
C#5	1029	SdRkStk2St
D 5	1042	SdClRimSt
D#5	1045	SdClRim2
E 5	1046	SdClRim3
F 5	1047	SdRkRolSt
F#5	1001	SdRkOp2St
G 5	1053	SnLvRolSt
G#5	920	SdSon2St
A 5	1056	SdRolMono
A#5	971	SdLdw3St
B 5	1057	SdBrMtSt
C 6	1066	SdBswrAtSt

PRE 44 StSnares

Note	Wave No.	Wave Name
C 0	860	SdNmSt1-4
C#0	861	SdNmSt1-3
D 0	862	SdNmSt2-4
D#0	863	SdNmSt1-2
E 0	864	SdNmSt2-3
F 0	865	SdNmSt3-4
F#0	866	SdNm1St
G 0	867	SdNm2St
G#0	868	SdNm3St
A 0	869	SdNm4St
A#0	880	SdFkSt1-3
B 0	881	SdFkSt1-2
C 1	882	SdFkSt2-3
C#1	883	SdFkSt1/3
D 1	884	SdFk1St
D#1	885	SdFk2St
E 1	886	SdFk3St
F 1	895	SdFkAySt
F#1	898	SdBsSt1-3
G 1	899	SdBsSt1-2
G#1	900	SdBsSt2-3
A 1	901	SdBsSt1/3
A#1	902	SdBs1St
B 1	903	SdBs2St
C 2	904	SdBs3St
C#2	913	SdSonSt1-4
D 2	914	SdSonSt1-3
D#2	915	SdSonSt2-4
E 2	916	SdSonSt1-2
F 2	917	SdSonSt2-3
F#2	918	SdSonSt3-4
G 2	919	SdSon1St
G#2	920	SdSon2St
A 2	921	SdSon3St
A#2	922	SdSon4St
B 2	933	SdBIS1-3
C 3	934	SdBIS1-2
C#3	935	SdBIS2-3
D 3	936	SdBIS1/3
D#3	937	SdB1St
E 3	938	SdB2St
F 3	939	SdB3St
F#3	948	SdBhSt1-3
G 3	949	SdBhSt1-2
G#3	950	SdBhSt2-3
A 3	951	SdBhSt1/3
A#3	952	SdBh1St
B 3	953	SdBh2St
C 4	954	SdBh3St
C#4	963	SdLdwSt1-4
D 4	964	SdLdwSt1-3
D#4	965	SdLdwSt2-4
E 4	966	SdLdwSt1-2
F 4	967	SdLdwSt2-3
F#4	968	SdLdwSt3-4
G 4	969	SdLdw1St
G#4	970	SdLdw2St
A 4	971	SdLdw3St
A#4	972	SdLdw4St
B 4	984	SdHip1St
C 5	992	SdRkOp1St
C#5	995	SdRkMte1St
D 5	998	SdRkRim1St
D#5	1001	SdRkOp2St
E 5	1004	SdRkMte2St
F 5	1007	SdRkRim2St
F#5	1010	SdRkFimSt
G 5	1047	SdRkRolSt
G#5	992	SdRkOp1St
A 5	1050	SdRkRolDSt
A#5	1001	SdRkOp2St
B 5	1053	SnLvRolSt
C 6	868	SdNm3St

PRE 45 AllKicks

Note	Wave No.	Wave Name
C 0	764	BdNmSt1-2
C#0	765	BdNm1St
D 0	766	BdNm2St
D#0	767	BdNmL1-2
E 0	773	BdFkSt1-2
F 0	774	BdFk1St
F#0	775	BdFk2St
G 0	782	BdHiSt
G#0	785	BdLoSt
A 0	788	BdHsonSt
A#0	791	BdLsonSt
B 0	794	BdFkSonSt
C 1	797	BdRk1St
C#1	800	BdRk2St
D 1	803	BdDry1
D#1	804	BdDry2
E 1	805	BdPop
F 1	806	BdVar1
F#1	807	BdVar2
G 1	808	BdRoom1
G#1	809	BdRoom2
A 1	810	BdRoom3
A#1	811	BdGate
B 1	812	BdFXGate
C 2	813	BdT9-1
C#2	814	BdT9-2
D 2	815	BdT9-3
D#2	816	BdT9-4
E 2	817	BdT9Hd1
F 2	818	BdT9Hd2
F#2	819	BdT9Hd3
G 2	820	BdT8-1
G#2	821	BdT8-2
A 2	822	BdT8-3
A#2	823	BdAnSm
B 2	824	BdAnCR
C 3	825	BdHuman1
C#3	826	BdHuman2
D 3	827	BdBlip
D#3	828	BdBlpHd
E 3	829	BdJngl1
F 3	830	BdJngl2
F#3	831	BdJngl3
G 3	832	BdD&B1
G#3	833	BdD&B2
A 3	834	BdR&B1
A#3	835	BdR&B2
B 3	836	BdHipDp
C 4	837	BdBrkDp
C#4	838	BdBk1
D 4	839	BdBk2
D#4	840	BdBkHvy
E 4	841	BdBkHrd
F 4	842	BdDist1
F#4	843	BdDist2
G 4	844	BdDist3
G#4	845	BdDist4
A 4	846	BdDist5
A#4	847	BdDistRM
B 4	848	Bd+HH
C 5	849	BdFxmhr
C#5	850	BdZapHrd
D 5	851	BdZapMid
D#5	852	BdSus
E 5	853	BdTekPower
F 5	854	BdHardLong
F#5	855	BdATite
G 5	856	BdAnHard
G#5	857	BdLofi
A 5	858	BdThkSkn
A#5	859	BdSlimy
B 5	859	BdSlimy
C 6	859	BdSlimy

PRE 46 DanceKicks

Note	Wave No.	Wave Name
C 0	813	BdT9-1
C#0	813	BdT9-1
D 0	814	BdT9-2
D#0	815	BdT9-3
E 0	815	BdT9-3
F 0	816	BdT9-4
F#0	817	BdT9Hd1
G 0	818	BdT9Hd2
G#0	819	BdT9Hd3
A 0	819	BdT9Hd3
A#0	854	BdHardLong
B 0	824	BdAnCR
C 1	813	BdT9-1
C#1	814	BdT9-2
D 1	815	BdT9-3
D#1	816	BdT9-4
E 1	817	BdT9Hd1
F 1	818	BdT9Hd2
F#1	819	BdT9Hd3
G 1	820	BdT8-1
G#1	821	BdT8-2
A 1	822	BdT8-3
A#1	823	BdAnSm
B 1	824	BdAnCR
C 2	825	BdHuman1
C#2	826	BdHuman2
D 2	827	BdBlip
D#2	828	BdBlpHd
E 2	829	BdJngl1
F 2	830	BdJngl2
F#2	831	BdJngl3
G 2	832	BdD&B1
G#2	833	BdD&B2
A 2	834	BdR&B1
A#2	835	BdR&B2
B 2	836	BdHipDp
C 3	837	BdBrkDp
C#3	838	BdBrdk1
D 3	839	BdBrdk2
D#3	840	BdBrdkHvy
E 3	841	BdBrdkHrd
F 3	842	BdDist1
F#3	843	BdDist2
G 3	844	BdDist3
G#3	845	BdDist4
A 3	846	BdDist5
A#3	847	BdDistRM
B 3	848	Bd+HH
C 4	849	BdFxBmr
C#4	850	BdZapHrd
D 4	851	BdZapMid
D#4	852	BdSus
E 4	853	BdTekPower
F 4	854	BdHardLong
F#4	855	BdAtite
G 4	856	BdAnHard
G#4	857	BdLofi
A 4	858	BdThkSkn
A#4	859	BdSlimy
B 4	811	BdGate
C 5	812	BdFXGate
C#5	813	BdT9-1
D 5	814	BdT9-2
D#5	815	BdT9-3
E 5	816	BdT9-4
F 5	817	BdT9Hd1
F#5	818	BdT9Hd2
G 5	819	BdT9Hd3
G#5	828	BdBlpHd
A 5	835	BdR&B2
A#5	851	BdZapMid
B 5	854	BdHardLong
C 6	855	BdAtite

PRE 47 Snare & Fx

Note	Wave No.	Wave Name
C 0	1113	SdFx1
C#0	1114	SdFx2
D 0	1115	SdFx3
D#0	1116	SdFx4
E 0	1118	SdDist
F 0	1119	SdCut
F#0	1120	SdDodgH
G 0	1121	SdDodgL
G#0	1122	SdFM
A 0	1124	SdSyn
A#0	1128	SdHammer
B 0	1129	SdLofi
C 1	1069	SdT9-1
C#1	1070	SdT9-2
D 1	1071	SdT9-3
D#1	1072	SdT9-4
E 1	1073	SdT9-5
F 1	1074	SdT9Gate
F#1	1076	SdT8-1
G 1	1077	SdT8-2
G#1	1078	SdT8-3
A 1	1079	SdT8-4
A#1	1080	SdT8-5
B 1	1082	SdAnSm
C 2	1084	SdAnCR
C#2	1086	SdHuman1
D 2	1088	SdJngl1
D#2	1089	SdJngl2
E 2	1090	SdJngl3
F 2	1091	SdJnglFx
F#2	1092	SdD&B1
G 2	1093	SdD&B2
G#2	1094	SdD&B3
A 2	1095	SdD&B4
A#2	1096	SdR&B1
B 2	1097	SdR&B1Rm
C 3	1098	SdR&B2
C#3	1099	SdHip1
D 3	1100	SdHip2
D#3	1101	SdHip3
E 3	1102	SdHipGate
F 3	1103	SdHipRm1
F#3	1104	SdHipRm2
G 3	1105	SdHipRm3
G#3	1106	SdHipRm4
A 3	1107	SdHipRm5
A#3	1109	SdBrdk1
B 3	1111	SdBrdkHvy
C 4	598	PlayFxBt1
C#4	602	PlayFxBt2
D 4	609	PlayFxBt12
D#4	611	PlayFxAba1
E 4	618	PlayFxAba8
F 4	596	PickNoise3
F#4	573	Scratch H
G 4	574	Scratch L
G#4	575	ScratchDwn
A 4	576	ScratchHif
A#4	586	ScratchStp
B 4	587	ScratchSpn
C 5	546	Ripper
C#5	549	NzBurst
D 5	550	Zap1
D#5	551	Zap2
E 5	552	HiQ1
F 5	553	HiQ2
F#5	555	Bomb
G 5	558	FxGun1
G#5	510	Electer
A 5	511	HH Hit
A#5	520	Mother
B 5	544	HitOrch2
C 6	539	StabGiant

PRE 48 EasySnares

Note	Wave No.	Wave Name
C 0		
C#0		
D 0		
D#0		
E 0		
F 0		
F#0		
G 0		
G#0		
A 0		
A#0		
B 0		
C 1	1053	SnLvRolSt
C#1	1066	SdBrsWrAtSt
D 1	1063	SdBrsWrSt
D#1	1060	SdBrtMt2St
E 1	1057	SdBrtMtSt
F 1	1042	SdClRmSt
F#1	1042	SdClRmSt
G 1	884	SdFk1St
G#1	884	SdFk1St
A 1	884	SdFk1St
A#1	885	SdFk2St
B 1	885	SdFk2St
C 2	886	SdFk3St
C#2	886	SdFk3St
D 2	937	SdB11St
D#2	938	SdB12St
E 2	938	SdB12St
F 2	939	SdB13St
F#2	939	SdB13St
G 2	866	SdNm1St
G#2	867	SdNm2St
A 2	867	SdNm2St
A#2	868	SdNm3St
B 2	868	SdNm3St
C 3	869	SdNm4St
C#3	869	SdNm4St
D 3	984	SdHip1St
D#3	984	SdHip1St
E 3	984	SdHip1St
F 3	985	SdHip2St
F#3	985	SdHip2St
G 3	919	SdSon1St
G#3	920	SdSon2St
A 3	920	SdSon2St
A#3	921	SdSon3St
B 3	921	SdSon3St
C 4	922	SdSon4St
C#4	922	SdSon4St
D 4	902	SdBs1St
D#4	903	SdBs2St
E 4	903	SdBs2St
F 4	904	SdBs3St
F#4	904	SdBs3St
G 4	969	SdLdw1St
G#4	970	SdLdw2St
A 4	970	SdLdw2St
A#4	971	SdLdw3St
B 4	971	SdLdw3St
C 5	972	SdLdw4St
C#5	972	SdLdw4St
D 5	952	SdBh1St
D#5	953	SdBh2St
E 5	953	SdBh2St
F 5	954	SdBh3St
F#5	954	SdBh3St
G 5	742	HandClapSt
G#5	752	ClapT9
A 5	753	ClapAnSm
A#5	732	Stick
B 5	733	Stick2
C 6	895	SdFkAySt

USER 1 RockMono2

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1058	SdBrMtl
D 0	1064	SdBrSvrL
D#0	1061	SdBrMt2L
E 0	1067	SdBrSvrAtL
F 0	1054	SnLvRolL
F#0	734	Castanet
G 0	978	SdLdw2R
G#0	732	Stick
A 0	805	BdPop
A#0	981	SdLdw4L
B 0	772	BdNm2R
C 1	803	BdDry1
C#1	1044	SdClRmR
D 1	941	SdBIR1-3
D#1	743	HandClapL
E 1	974	SdLdwR1-4
F 1	1237	TomRkLoL
F#1	1175	HHClRk2R
G 1	1237	TomRkLoL
G#1	1178	HHPdIRkR
A 1	1234	TomRkMdL
A#1	1185	HHOpRkR
B 1	1234	TomRkMdL
C 2	1232	TomRkHiR
C#2	1254	CrashL
D 2	1232	TomRkHiR
D#2	1260	RideR
E 2	1269	ChinaR
F 2	1263	CupR
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	745	Cowbel1
A 2	1254	CrashL
A#2	737	Vibraslap
B 2	1264	RideMono
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1030	SdRkStk2L
D 5	1017	SdMdRim
D#5	991	SdHip2R
E 5	1016	SdMid
F 5	808	BdRoom1
F#5	979	SdLdw3L
G 5	836	BdHipDp
G#5	982	SdLdw4R
A 5	790	BdHsonR
A#5	993	SdRkOp1L
B 5	805	BdPop
C 6	809	BdRoom2

USER 2 RockMono3

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1058	SdBrMtl
D 0	1064	SdBrSvrL
D#0	1061	SdBrMt2L
E 0	1067	SdBrSvrAtL
F 0	1054	SnLvRolL
F#0	734	Castanet
G 0	973	SdLdwL1-4
G#0	732	Stick
A 0	803	BdDry1
A#0	1017	SdMdRim
B 0	807	BdVar2
C 1	810	BdRoom3
C#1	1044	SdClRmR
D 1	1016	SdMid
D#1	743	HandClapL
E 1	1024	SdHeavy
F 1	1242	TmDryLo
F#1	1188	HHClMono
G 1	1242	TmDryLo
G#1	1190	HHPdIMono
A 1	1241	TomDryHi
A#1	1189	HHOpMono
B 1	1241	TomDryHi
C 2	1241	TomDryHi
C#2	1254	CrashL
D 2	1241	TomDryHi
D#2	1260	RideR
E 2	1267	ChinaSt
F 2	1263	CupR
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	745	Cowbel1
A 2	1254	CrashL
A#2	737	Vibraslap
B 2	1264	RideMono
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1032	SdHpStk1
D 5	1024	SdHeavy
D#5	1013	SdPicol
E 5	1021	SdLdwHMMono
F 5	802	BdRk2R
F#5	1017	SdMdRim
G 5	835	BdR&B2
G#5	1019	SdGate1
A 5	773	BdFkSt1-2
A#5	1014	SdPcRim
B 5	778	BdFkML
C 6	809	BdRoom2

USER 3 Hip Hop5

Note	Wave No.	Wave Name
C 0	1032	SdHpStk1
C#0	552	HiQ1
D 0	560	TurnTable
D#0	543	Hit Uhh
E 0	586	ScratchStp
F 0	1054	SnLvRoLL
F#0	762	ClaveT8
G 0	1119	SdCut
G#0	1028	SnRkStk1R
A 0	814	BdT9-2
A#0	1103	SdHipRm1
B 0	820	BdT8-1
C 1	837	BdBrkDp
C#1	1046	SdClRim3
D 1	1104	SdHipRm2
D#1	744	HandClapR
E 1	1096	SdR&B1
F 1	754	CongaT8
F#1	1202	HHClD&B
G 1	754	CongaT8
G#1	1203	HHPdID&B
A 1	754	CongaT8
A#1	1204	HHOpD&B
B 1	754	CongaT8
C 2	754	CongaT8
C#2	1257	Crash2
D 2	754	CongaT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1044	SdClRmR
D 5	1083	SdAnSmRim
D#5	742	HandClapSt
E 5	1101	SdHip3
F 5	583	ScratchSdR
F#5	588	ScratchHip
G 5	581	ScratchBdR
G#5	585	ScratchVoR
A 5	589	ScratchHp2
A#5	591	ScratchCb2
B 5	593	ScratchCb4
C 6	836	BdHipDp

USER 4 Hip Hop6

Note	Wave No.	Wave Name
C 0	1032	SdHpStk1
C#0	551	Zap2
D 0	560	TurnTable
D#0	546	Ripper
E 0	589	ScratchHp2
F 0	1054	SnLvRoLL
F#0	762	ClaveT8
G 0	1109	SdBreak2
G#0	1030	SdRkStk2L
A 0	808	BdRoom1
A#0	1101	SdHip3
B 0	815	BdT9-3
C 1	834	BdR&B1
C#1	1030	SdRkStk2L
D 1	1099	SdHip1
D#1	744	HandClapR
E 1	1100	SdHip2
F 1	754	CongaT8
F#1	1208	HHClHip
G 1	754	CongaT8
G#1	1209	HHPdHip
A 1	754	CongaT8
A#1	1210	HHOpHip
B 1	754	CongaT8
C 2	754	CongaT8
C#2	1257	Crash2
D 2	754	CongaT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1046	SdClRim3
D 5	1082	SdAnSm
D#5	742	HandClapSt
E 5	1098	SdR&B2
F 5	573	Scratch H
F#5	574	Scratch L
G 5	575	ScratchDwn
G#5	576	ScratchHIF
A 5	577	ScratchHIR
A#5	578	ScratchLoF
B 5	579	ScratchLoR
C 6	830	BdJngl2

USER 5 T9HipKit2

Note	Wave No.	Wave Name
C 0	762	ClaveT8
C#0	1073	SdT9-5
D 0	560	TurnTable
D#0	532	Quiek
E 0	592	ScratchCb3
F 0	1054	SnLvRoLL
F#0	763	AnaClick
G 0	1074	SdT9Gate
G#0	1085	SdAnCRRim
A 0	819	BdT9Hd3
A#0	1070	SdT9-2
B 0	818	BdT9Hd2
C 1	817	BdT9Hd1
C#1	1075	SdT9Rim
D 1	1069	SdT9-1
D#1	752	ClapT9
E 1	1073	SdT9-5
F 1	1246	TomT9Lo
F#1	1191	HHClT9
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	1246	TomT9Lo
C 2	1245	TomT9Hi
C#2	1274	CrashT9
D 2	1245	TomT9Hi
D#2	1277	RideT9
E 2	1274	CrashT9
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1274	CrashT9
G#2	757	CowBelAnCR
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1075	SdT9Rim
D 5	1073	SdT9-5
D#5	752	ClapT9
E 5	1072	SdT9-4
F 5	573	Scratch H
F#5	574	Scratch L
G 5	575	ScratchDwn
G#5	576	ScratchHIF
A 5	577	ScratchHIR
A#5	578	ScratchLoF
B 5	579	ScratchLoR
C 6	813	BdT9-1

USER 6 HipStick3

Note	Wave No.	Wave Name
C 0	1123	SdFMRim
C#0	555	Bomb
D 0	560	TurnTable
D#0	545	VoxDrum
E 0	580	ScratchBdF
F 0	1055	SnLvRoLR
F#0	736	WoodBlock
G 0	1085	SdAnCRRim
G#0	1101	SdHip3
A 0	822	BdT8-3
A#0	1075	SdT9Rim
B 0	820	BdT8-1
C 1	814	BdT9-2
C#1	1106	SdHipRm4
D 1	1036	SdHipStk5
D#1	744	HandClapR
E 1	1037	SdHpStk6St
F 1	822	BdT8-3
F#1	1208	HHClHip
G 1	822	BdT8-3
G#1	1209	HHPdHip
A 1	822	BdT8-3
A#1	1210	HHOpHip
B 1	822	BdT8-3
C 2	822	BdT8-3
C#2	1257	Crash2
D 2	822	BdT8-3
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1083	SdAnSmRim
D 5	1044	SdClRmR
D#5	1106	SdHipRm4
E 5	1045	SdClRim2
F 5	574	Scratch L
F#5	575	ScratchDwn
G 5	576	ScratchHIF
G#5	578	ScratchLoF
A 5	581	ScratchBdR
A#5	591	ScratchCb2
B 5	586	ScratchStp
C 6	827	BdBlip

USER 7 HipStick4

Note	Wave No.	Wave Name
C 0	1130	SdRimSE
C#0	752	ClapT9
D 0	560	TurnTable
D#0	555	Bomb
E 0	590	ScratchCmb
F 0	1056	SdRollMono
F#0	1075	SdT9Rim
G 0	1105	SdHipRm3
G#0	1088	SdJngl1
A 0	810	BdRoom3
A#0	1038	SdHpStk6L
B 0	815	BdT9-3
C 1	816	BdT9-4
C#1	1106	SdHipRm4
D 1	1040	SdHpStk7
D#1	744	HandClapR
E 1	1041	SdHipStk8
F 1	754	CongaT8
F#1	1206	HHClTek
G 1	754	CongaT8
G#1	1198	HHClAnCR
A 1	754	CongaT8
A#1	1207	HHOpTek
B 1	754	CongaT8
C 2	754	CongaT8
C#2	1257	Crash2
D 2	754	CongaT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1083	SdAnSmRim
D 5	1073	SdT9-5
D#5	1105	SdHipRm3
E 5	1043	SdClRmL
F 5	578	ScratchLoF
F#5	579	ScratchLoR
G 5	580	ScratchBdF
G#5	581	ScratchBdR
A 5	582	ScratchSdF
A#5	583	ScratchSdR
B 5	584	ScratchVoF
C 6	821	BdT8-2

USER 8 R&B Kit3

Note	Wave No.	Wave Name
C 0	610	PlayFxGt13
C#0	613	PlayFxABa3
D 0	614	PlayFxABa4
D#0	615	PlayFxABa5
E 0	651	PlyFxSl16S
F 0	621	PlyFxSlp1S
F#0	1279	HHCiRL1-4
G 0	764	BdNmSt1-2
G#0	1146	HHPdIst
A 0	860	SdNmSt1-4
A#0	1149	HHOpSt
B 0	822	BdT8-3
C 1	834	BdR&B1
C#1	1046	SdClRim3
D 1	1014	SdPcRim
D#1	742	HandClapSt
E 1	1097	SdR&B1Rm
F 1	822	BdT8-3
F#1	1195	HHCiT8-2
G 1	822	BdT8-3
G#1	1193	HHCiT8-1
A 1	822	BdT8-3
A#1	1196	HHOpT8-2
B 1	822	BdT8-3
C 2	1247	TomT8
C#2	1253	CrashSt
D 2	1247	TomT8
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1256	Crash
G#2	758	AnaShaker
A 2	758	AnaShaker
A#2	761	MarcasT8
B 2	761	MarcasT8
C 3	692	GanzaAc
C#3	693	GanzaBk
D 3	694	GanzaFw
D#3	695	Maracas1-2
E 3	696	MaracasSlr
F 3	698	Cabasa1-2
F#3	699	Cabasa1
G 3	700	Cabasa2
G#3	701	Caxixi1-2
A 3	758	AnaShaker
A#3	703	Caxixi2
B 3	704	Shaker1-2
C 4	705	Shaker1
C#4	707	ShakerHip1
D 4	710	ShakerHip4
D#4	762	ClaveT8
E 4	666	QuintSlp
F 4	587	ScratchSpn
F#4	577	ScratchHIR
G 4	576	ScratchHIF
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	719	PandierTip
B 4	715	TambrnHit
C 5	854	BdHardLong
C#5	1129	SdLofi
D 5	1029	SdRkStk2St
D#5	1013	SdPicol
E 5	560	TurnTable
F 5	1098	SdR&B2
F#5	1152	HHCiFtSt
G 5	836	BdHipDp
G#5	1155	HHHf2St
A 5	859	BdSlimy
A#5	1158	HHOp2St
B 5	507	TranCho
C 6	822	BdT8-3

USER 9 Motor City

Note	Wave No.	Wave Name
C 0	735	Clave
C#0	1057	SdBrMtSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBrMt2St
E 0	1066	SdBswrAtSt
F 0	1053	SnLvRolSt
F#0	734	Castanet
G 0	863	SdNmSt1-2
G#0	732	Stick
A 0	773	BdFkSt1-2
A#0	866	SdNm1St
B 0	804	BdDry2
C 1	778	BdFkML
C#1	1045	SdClRim2
D 1	864	SdNmSt2-3
D#1	743	HandClapL
E 1	902	SdBs1St
F 1	1227	TomFlSt
F#1	1131	HHCiSt1-4
G 1	1224	TomLoSt
G#1	1146	HHPdIst
A 1	1224	TomLoSt
A#1	1149	HHOpSt
B 1	1221	TomMdSt
C 2	1221	TomMdSt
C#2	1253	CrashSt
D 2	1218	TomHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	716	TambrnShk
G 2	1271	SplashSt
G#2	746	Cowbell2
A 2	1305	CrashRL
A#2	737	Vibraslap
B 2	1306	RideRL
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	661	CongaOp
E 3	669	TumbaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	714	TambrnSw
D 5	719	PandierTip
D#5	720	PandroHeel
E 5	675	BongoHi1-2
F 5	678	BongoHHeel
F#5	679	BongoLo1-3
G 5	682	BongoLo3
G#5	695	Maracas1-2
A 5	696	MaracasSlr
A#5	697	MaracasStc
B 5	752	ClapT9
C 6	752	ClapT9

USER 10 MW AmpSim

Note	Wave No.	Wave Name
C 0	822	BdT8-3
C#0	1084	SdAnCR
D 0	1077	SdT8-2
D#0	752	ClapT9
E 0	1076	SdT8-1
F 0	1047	SdRkRolSt
F#0	1001	SdRkOp2St
G 0	1069	SdT9-1
G#0	1035	SdHpStk4
A 0	824	BdAnCR
A#0	1123	SdFMRim
B 0	1247	TomT8
C 1	816	BdT9-4
C#1	1032	SdHpStk1
D 1	1072	SdT9-4
D#1	752	ClapT9
E 1	1070	SdT9-2
F 1	1247	TomT8
F#1	1195	HHCiT8-2
G 1	1247	TomT8
G#1	1196	HHOpT8-2
A 1	1247	TomT8
A#1	1196	HHOpT8-2
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1253	CrashSt
D 2	1247	TomT8
D#2	1258	RideSt
E 2	1270	China
F 2	1265	CupMono
F#2	759	TambrnRX5
G 2	1271	SplashSt
G#2	745	Cowbell1
A 2	1253	CrashRL
A#2	737	Vibraslap
B 2	1260	RideR
C 3	754	CongaT8
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	763	AnaClick
G#3	754	CongaT8
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	558	FxGun1
C 4	507	Me TranCho
C#4	507	Me TranCho
D 4	553	HiQ2
D#4	546	Ripper
E 4	550	Zap1
F 4	595	PickNoise2
F#4	666	QuintSlp
G 4	666	QuintSlp
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	763	AnaClick
D 5	1079	SdT8-4
D#5	1092	SdD&B1
E 5	1082	SdAnSm
F 5	828	BdBlpHd
F#5	1089	SdJngl2
G 5	849	BdFxmrm
G#5	1121	SdDodgL
A 5	839	BdBreak2
A#5	1111	SdBreakHvy
B 5	840	BdBreakHvy
C 6	966	SdLdwSt1-2

GM Drum 1 Stereo GM

Note	Wave No.	Wave Name
C 0	735	Clave
C#0	1057	SdBrMtSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBrMt2St
E 0	1066	SdBswrAtSt
F 0	1053	SnLvRolSt
F#0	734	Castanet
G 0	866	SdNm1St
G#0	732	Stick
A 0	773	BdFkSt1-2
A#0	900	SdBsSt2-3
B 0	782	BdHiSt
C 1	764	BdNmSt1-2
C#1	1042	SdClRmSt
D 1	860	SdNmSt1-4
D#1	752	ClapT9
E 1	899	SdBsSt1-2
F 1	1227	TomFlSt
F#1	1131	HHCiSt1-4
G 1	1224	TomLoSt
G#1	1146	HHPdIst
A 1	1224	TomLoSt
A#1	1149	HHOpSt
B 1	1221	TomMdSt
C 2	1221	TomMdSt
C#2	1253	CrashSt
D 2	1218	TomHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1271	SplashSt
G#2	746	Cowbell2
A 2	1305	CrashRL
A#2	737	Vibraslap
B 2	1306	RideRL
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	661	CongaOp
E 3	669	TumbaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	940	SdBIL1-3
D 5	963	SdLdwSt1-4
D#5	956	SdBhr1-3
E 5	983	SdHipSt1-2
F 5	785	BdLoSt
F#5	1021	SdLdwHMMono
G 5	834	BdR&B1
G#5	1024	SdHeavy
A 5	808	BdRoom1
A#5	1018	SdRoom2
B 5	794	BdFkSonSt
C 6	809	BdRoom2

Multi List

User Multi (Factory default setting)

No.	Name
1	Procession
2	GuitarRox
3	SoulSpirit
4	LittleBear
5	BluesCruis
6	SmoothMood
7	PopR&B
8	Iron Dance
9	Futurism
10	LittleFox
11	Big Jon
12	Wnds&Strgs
13	Waterfowl
14	AN Split
15	Ba-PnoCmp
16	Funk Jam
17	Genesis
18	Race
19	Generation
20	HopStringy
21	Minoru
22	Utopia
23	Islands
24	Ana Love
25	Superstrgs
26	JazzGtTrio
27	AsianPad
28	Grand+Dyno
29	Another
30	HiPa Gruv
31	Incomplete
32	ActionFlik
33	4x4
34	Hot Chili
35	Grand+FM
36	My House
37	Paranoid
38	80CompSplT
39	Warm Bell
40	Nobody
41	Mukaiya
42	Pleiades
43	Mantra
44	Quartet
45	LoneGuitars
46	Tranzlot
47	StringSect
48	Hop It
49	OnTheEarth
50	UTAGE
51	Romantic 2
52	Talitha
53	MM Brass
54	Bebop Trio
55	Freedom
56	Philharmnc
57	Mo's SciFi
58	Lover
59	Ethno Jam
60	Coal
61	Velomuv
62	GuitarPad
63	Classical
64	GreatWall

No.	Name
65	MO's Song
66	Sea Chill
67	RnB
68	R&B 1
69	R&B 2
70	Honeyz
71	M.T.
72	Hip Hop 1
73	Hip Hop 2
74	Rap
75	Top 40
76	New Pop
77	Hip Folk
78	DnB
79	Dance
80	House
81	LDNhouS
82	UK House
83	Con.Disco
84	Disco
85	Wonder
86	SunRealxns
87	Club Chill
88	Ambi Pop
89	Ballad
90	Romance
91	EP Ballad
92	80's AOR
93	Americana1
94	Americana2
95	NewCountry
96	AcCountry
97	Fly Away
98	Pop Rock
99	NU-META
100	Hard Rock
101	Prog Rock
102	Altnativ 1
103	Altnativ 2
104	Forget.
105	Syn-Girl
106	UK Rock
107	Clean Rock
108	Lush
109	60's-ish
110	Piano Rock
111	Tech-Tranc
112	Electronic
113	Psycho
114	Syn Motion
115	Soundtrack
116	Moody
117	Orchestral
118	Retro
119	Funk Band
120	Nu Brazil
121	Acid Jazz
122	UK Soul
123	SmoothJazz
124	PianoTrio+
125	OrganTrio+
126	Ethno Pop
127	French Pop
128	Clsicl Pop

Multi Library List

Perf Bank

No.	Category	Name
1	Br	2001BrsOrc
2	Co	GuitarRox
3	Co	SoulSpirit
4	Me	SynHeaven
5	Co	BluesCruis
6	Co	SmoothMood
7	Co	Futurism
8	St	Wnds&Strgs
9	Gt	Rockn'Hill
10	Me	Waterfowl
11	Co	JourneyMan
12	Co	Ba-PnoCmp
13	Co	Funk Folk
14	Co	ChinaEns
15	Me	Genesis
16	Co	A Visit
17	Co	Race
18	Co	Generation
19	Co	Heavy Jam
20	St	Minoru
21	Me	Utopia
22	Co	Islands
23	Kb	Romantic 1
24	Co	Afro/House
25	Pd	Ana Love
26	St	Superstrgs
27	Co	A dream
28	Gt	VintString
29	Co	JazzGtTrio
30	Me	AsianPad
31	Ap	Grand+Dyno
32	St	ActionFlik
33	Co	Hot Chili
34	Ap	Grand+FM
35	Co	80CompSplT
36	Pd	Warm Bell
37	Co	Nobody
38	Kb	Mukaiya
39	St	Quartet
40	Gt	LoneGuitars
41	Me	Tranzlot
42	St	StringSect
43	Co	Hop It
44	Co	UTAGE
45	Ap	Romantic 2
46	Br	MM Brass
47	Co	Bebop Trio
48	Co	Freedom
49	St	Philharmnc
50	Co	GuitarMood
51	Co	Groovin'EP
52	Br	BrassChord
53	Rp	Sweet Ens
54	Br	LatinBrass
55	Co	Ethno Jam
56	Co	Raga #5
57	Gt	GuitarPad
58	Co	Classical
59	Co	GreatWall

Multi Bank

No.	Name
1	MO's Song
2	Sea Chill
3	RnB
4	R&B 1
5	R&B 2
6	Honeyz
7	M.T.
8	Hip Hop 1
9	Hip Hop 2
10	Hip Hop 3
11	Rap
12	Top 40
13	New Pop
14	Hip Folk
15	DnB
16	Dance
17	House
18	LDNhouS
19	UK House
20	Con.Disco
21	Disco
22	Wonder
23	SunRealxns
24	Club Chill
25	Ambi Pop
26	Ballad
27	Romance
28	EP Ballad
29	80's AOR
30	Americana1
31	Americana2
32	NewCountry
33	AcCountry
34	Fly Away
35	Pop Rock
36	NU-META
37	Hard Rock
38	Prog Rock
39	Altnativ 1
40	Altnativ 2
41	Forget.
42	Syn-Girl
43	UK Rock
44	Clean Rock
45	Lush
46	60's-ish
47	Piano Rock
48	Tech-Tranc
49	Syn Motion
50	Soundtrack
51	Moody
52	Orchestral
53	Retro
54	Funk Band
55	Nu Brazil
56	Acid Jazz
57	UK Soul
58	SmoothJazz
59	PianoTrio+
60	OrganTrio+
61	Ethno Pop
62	Jpns Pop
63	French Pop
64	Clsicl Pop
65	GM set

Effect Type List

Effect Category	Effect Name	LCD	MIDI(HEX)		No.			
			MSB	LSB	REV	CHO	Ins1	Ins2
---	NO EFFECT	off	00	00	0	0		
---	THRU	Thru	00	00			0	0
REV								
	HALL 1	Hall 1	01	00	9	1	1	1
	HALL 2	Hall 2	01	01	10	2	2	2
	ROOM 1	Room 1	01	10	11	3	3	3
	ROOM 2	Room 2	01	11	12	4	4	4
	ROOM 3	Room 3	01	12	13	5	5	5
	STAGE 1	Stage 1	01	20	14	6	6	6
	STAGE 2	Stage 2	01	21	15	7	7	7
	PLATE	Plate	01	30	16	8	8	8
	WHITE ROOM	White Room	01	40	17			
	TUNNEL	Tunnel	01	41	18			
	BASEMENT	Basement	01	42	19			
	CANYON	Canyon	01	43	20			
	R3 HALL	R3 Hall	01	02	6			
	R3 ROOM	R3 Room	01	13	7			
	R3 PLATE	R3 Plate	01	31	8			
	LARGE HALL	Large Hall	01	08	1			
	MIDIUM HALL	MidiumHall	01	09	2			
	WARM ROOM	Warm Room	01	18	3			
	WOODY ROOM	Woody Room	01	19	4			
	RICH PLATE	Rich Plate	01	38	5			
DLY								
	DELAY L, C, R	Delay LCR	02	00		9	9	9
	DELAY L, R	Delay L,R	02	10		10	10	10
	DELAY L, R (STEREO)	DelayLR St	02	18		11	11	11
	ECHO	Echo	02	20		12	12	12
	CROSS DELAY	CrossDelay	02	30		13	13	13
	CONTROL DELAY (MONO)	CtrlDelay1	02	40		14	14	14
	CONTROL DELAY (STEREO)	CtrlDelay2	02	48		15	15	15
	TEMPO DELAY (MONO)	TempoDly 1	02	50		16	16	16
	TEMPO DELAY (STEREO)	TempoDly 2	02	58		17	17	17
	TEMPO CROSS DELAY	TempoCrDly	02	60		18	18	18
ER								
	EARLY REFLECTION 1	EarlyRef 1	03	00		19	19	19
	EARLY REFLECTION 2	EarlyRef 2	03	01		20	20	20
	GATE REVERB	Gate Rev	03	10		21	21	21
	REVERSE GATE	Revrs Gate	03	20		22	22	22
KAR								
	KARAOKE 1	Karaoke 1	04	00		23	23	23
	KARAOKE 2	Karaoke 2	04	01		24	24	24
	KARAOKE 3	Karaoke 3	04	02		25	25	25
CHO								
	CHORUS 1	Chorus 1	05	00		26	26	26
	CHORUS 2	Chorus 2	05	01		27	27	27
	CHORUS 3	Chorus 3	05	02		28	28	28
	CHORUS 4	Chorus 4	05	08		29	29	29
	CHORUS 5	Chorus 5	05	09		30	30	30
	CELESTE 1	Celeste 1	05	10		31	31	31
	CELESTE 2	Celeste 2	05	11		32	32	32
	CELESTE 3	Celeste 3	05	12		33	33	33
	CELESTE 4	Celeste 4	05	18		34	34	34
	SYMPHONIC	Symphonic	05	20		35	35	35
	ENSEMBLE DETUNE	Ensemble	05	30		36	36	36
FLG								
	FLANGER 1	Flanger 1	06	00		37	37	37
	FLANGER 2	Flanger 2	06	01		38	38	38
	FLANGER 3	Flanger 3	06	08		39	39	39
	V-FLANGER	V-Flanger	06	10		40	40	40
	TEMPO FLANGER	TmpFlanger	06	50		41	41	41
	DYNAMIC FLANGER	DynFlanger	06	60		42	42	42
PHA								
	PHASER 1	Phaser 1	07	00		43	43	43
	PHASER 2	Phaser 2	07	08		44	44	44
	TEMPO PHASER	TmpPhaser	07	50		45	45	45
	DYNAMIC PHASER	DynPhaser	07	60		46	46	46

Effect Category	Effect Name	LCD	MIDI(HEX)		No.			
			MSB	LSB	REV	CHO	Ins1	Ins2
MOD								
	TREMOLO	Tremolo	08	00			47	47
	AUTO PAN	Auto Pan	08	10			48	48
	AUTO PAN2	Auto Pan 2	08	11			49	49
	ROTARY SPEAKER	RotarySp 1	08	50			50	50
	DISTORTION+ROTARY SPEAKER	Dist+Rot 1	08	51			51	51
	OVERDRIVE+ROTARY SPEAKER	Odrv+Rot 1	08	52			52	52
	AMP SIM.+ROTARY SPEAKER	Amp+Rot 1	08	53			53	53
	2WAY ROTARY SPEAKER	RotarySp 2	08	60			54	54
	DISTORTION+2WAY ROTARY SPEAKER	Dist+Rot 2	08	61			55	55
	OVERDRIVE+2WAY ROTARY SPEAKER	Odrv+Rot 2	08	62			56	56
	AMP SIM.+2WAY ROTARY SPEAKER	Amp+Rot 2	08	63			57	57
	DUAL ROTOR SPEAKER1	DualRot 1	08	70			58	58
	DUAL ROTOR SPEAKER2	DualRot 2	08	71			59	59
	DUAL ROTOR SPEAKER3	DualRot 3	08	72			60	60
DST								
	DISTORTION	Distortion	09	00			61	61
	COMP DISTORTION	Comp+Dist	09	01			62	62
	VL DISTORTION	V-Dist	09	10			63	63
	OVER DRIVE	Overdrive	09	20			64	64
	AMP SIMULATOR	AmpSim	09	30			65	65
	AMP SIMULATOR2	AmpSim 2	09	31			66	66
	DIST+DELAY	Dist+Delay	09	40			67	67
	OVERDRIVE+DELAY	Odrv+Delay	09	41			68	68
DYN								
	COMPRESSOR	Compressor	0A	00			69	69
	MONO COMPRESSOR	MonoComp	0A	08			70	70
	NOISE GATE	Noise Gate	0A	20			71	71
	COMP+DIST+DELAY	CmpDistDly	0A	40			72	72
	COMP+OVERDRIVE+DELAY	CmpOdrvDly	0A	41			73	73
	MULTI BAND COMP 1	MltBndCmp1	0A	50			74	74
	MULTI BAND COMP 2	MltBndCmp2	0A	51			75	75
PCH								
	PITCH CHANGE 1	PitchCng 1	0B	00			76	76
	PITCH CHANGE 2	PitchCng 2	0B	01			77	77
WAH								
	AUTO WAH	Auto Wah	0C	00			78	78
	AUTO WAH + DIST	A.Wah+Dist	0C	01			79	79
	AUTO WAH + OVERDRIVE	A.Wah+Odrv	0C	02			80	80
	TOUCH WAH	Touch Wah	0C	10			81	81
	TOUCH WAH + DIST	T.Wah+Dist	0C	11			82	82
	TOUCH WAH + OVERDRIVE	T.Wah+Odrv	0C	12			83	83
	WAH+DIST+DELAY	WahDistDly	0C	40			84	84
	WAH+OVERDRIVE+DELAY	WahOdrvDly	0C	41			85	85
L-F								
	LO-FI	Lo-Fi	0D	00			86	86
	LOW RESOLUTION	Resolution	0D	10			87	87
	NOISY	Noisy	0D	20			88	88
	ATTACK LOFI	AttackLoFi	0D	30			89	89
	DIGITAL TURNTABLE	D.Turntbl	0D	50			90	90
TEC								
	DIGITAL SCRATCH	D.Scratch	0E	00			91	91
	AUTO SYNTH	Auto Synth	0E	10			92	92
	TECH MODULATION	Tech Mod	0E	20			93	93
	JUMP	Jump	0E	30			94	94
	ISOLATOR	Isolator	0E	40			95	95
	SLICE	Slice	0E	50			96	96
MSC								
	3-BAND EQ	3 Band EQ	0F	00			97	97
	2-BAND EQ	2 Band EQ	0F	01			98	98
	HARMONIC ENHANCER	Enhancer	0F	10			99	99
	MONO HARMONIC ENHANCER	MonoEnhanc	0F	18			100	100
	VOICE CANCEL	Voic Canc	0F	20			101	101
	AMBIENCE	Ambience	0F	30			102	102
	TALKING MODULATOR	TalkingMod	0F	40			103	103
	BEAT CHANGE	BeatChange	0F	50			104	104
	RING MODULATOR	Ring Mod	0F	70			105	105
	DYNAMIC RING MODULATOR	DynRingMod	0F	71			106	106
	DYNAMIC FILTER	DynFilter	0F	78			107	107

Effect Parameter List

1. Reverb

Items indicated with a dot (●) in the CtrlSet Dest column are parameters that can be controlled by external MIDI controllers (such as modulation wheel, aftertouch, etc.) set in Control Set Destination.

[1] LARGE HALL – [5] RICH PLATE

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Reverb Time	0.3 – 30.0s	0 – 69	1	4	
2	Diffusion	0 – 10	0 – 10	2		
3	Initial Delay	0.1ms – 200.0ms	0 – 127	3	5	
4	HPF Cutoff Frequency	20Hz – 8.0kHz	0 – 52	4	3	
5	LPF Cutoff Frequency	1.0kHz – 20.0kHz	34 – 60	5	3	
6	Room Size	0 – 31	0 – 31	6		
7	High Ratio	0.1 – 1.0	1 – 10	7		
8	Low Ratio	0.1 – 1.4	1 – 14	8		
9	Decay	0 – 63	0 – 63	9		

[6] R3 HALL – [8] R3 PLATE, [9] HALL1 – [16] PLATE

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Reverb time	0.3s – 30.0s	0 – 69	1	4	
2	Diffusion	0 – 10	0 – 10	2		
3	Initial delay	0.1ms – 200.0ms	0 – 127	3	5	
4	HPF cutoff frequency	20Hz – 8.0kHz	0 – 52	4	3	●
5	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	5	3	●
6	Reverb delay	0.1ms – 200.0ms	0 – 127	11	5	
7	Density	0 – 4	0 – 4	12		
8	ER / rev balance	E63>R – E=R – E<R63	1 – 127	13		●
9	Feedback high damp	0.1 – 1.0	1 – 10	14		
10	Feedback level	-63 – +63	1 – 127	15		●

[17] WHITE ROOM – [20] CANYON

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Reverb time	0.3s – 30.0s	0 – 69	1	4	
2	Diffusion	0 – 10	0 – 10	2		
3	Initial delay	0.1ms – 200.0ms	0 – 127	3	5	
4	HPF cutoff frequency	20Hz – 8.0kHz	0 – 52	4	3	●
5	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	5	3	●
6	Width	0.5m – 30.2m	0 – 104	6	11	
7	Height	0.5m – 30.2m	0 – 104	7	11	
8	Depth	0.5m – 30.2m	0 – 104	8	11	
9	Wall vary	0 – 30	0 – 30	9		
10	Reverb delay	0.1ms – 200.0ms	0 – 127	11	5	
11	Density	0 – 4	0 – 4	12		
12	ER / rev balance	E63>R – E=R – E<R63	0 – 127	13		●
13	Feedback high damp	0.1 – 1.0	1 – 10	14		
14	Feedback level	-63 – +63	0 – 127	15		●

2. Chorus/Insertion 1, 2

MIDI Parameter No.10 is available only for the Insertion Effects.

[1] HALL1 – [8] PLATE

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Reverb time	0.3s – 30.0s	0 – 69	1	4	
3	Diffusion	0 – 10	0 – 10	2		
4	Initial delay	0.1ms – 99.3ms	0 – 63	3	5	
5	HPF cutoff frequency	20Hz – 8.0kHz	0 – 52	4	3	●
6	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	5	3	●
7	Reverb delay	0.1ms – 99.3ms	0 – 63	11	5	
8	Density	0 – 4	0 – 4	12		
9	ER / rev balance	E63>R – E=R – E<R63	1 – 127	13		●
10	Feedback high damp	0.1 – 1.0	1 – 10	14		
11	Feedback level	-63 – +63	1 – 127	15		●

[9] DELAY L, C, R

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time L	0.1ms – 1486.0ms	1 – 14860	1		
3	Delay time R	0.1ms – 1486.0ms	1 – 14860	2		
4	Delay time C	0.1ms – 1486.0ms	1 – 14860	3		
5	Feedback time	0.1ms – 1486.0ms	1 – 14860	4		
6	Feedback level	-63 – +63	1 – 127	5		●
7	Delay level C	0 – 127	0 – 127	6		●
8	Feedback high damp	0.1 – 1.0	1 – 10	7		●
9	EQ low frequency	32Hz – 2.0kHz	4 – 40	13	3	●
10	EQ low gain	-12dB – +12dB	52 – 76	14		●
11	EQ high frequency	500Hz – 16.0kHz	28 – 58	15	3	●
12	EQ high gain	-12dB – +12dB	52 – 76	16		●

[10] DELAY L, R

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time L	0.1ms – 1486.0ms	1 – 14860	1		
3	Delay time R	0.1ms – 1486.0ms	1 – 14860	2		
4	Feedback time 1	0.1ms – 1486.0ms	1 – 14860	3		
5	Feedback time 2	0.1ms – 1486.0ms	1 – 14860	4		
6	Feedback level	-63 – +63	1 – 127	5		●
7	Feedback high damp	0.1 – 1.0	1 – 10	6		●
8	EQ low frequency	32Hz – 2.0kHz	4 – 40	13	3	●
9	EQ low gain	-12dB – +12dB	52 – 76	14		●
10	EQ high frequency	500Hz – 16.0kHz	28 – 58	15	3	●
11	EQ high gain	-12dB – +12dB	52 – 76	16		●

[11] DELAY L, R (Stereo)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time L	0.1ms – 1486.0ms	1 – 14860	1		
3	Delay time R	0.1ms – 1486.0ms	1 – 14860	2		
4	Feedback time L	0.1ms – 1486.0ms	1 – 14860	3		
5	Feedback time R	0.1ms – 1486.0ms	1 – 14860	4		
6	Feedback level	-63 – +63	1 – 127	5		●
7	Feedback high damp	0.1 – 1.0	1 – 10	6		●
8	EQ low frequency	32Hz – 2.0kHz	4 – 40	13	3	●
9	EQ low gain	-12dB – +12dB	52 – 76	14		●
10	EQ high frequency	500Hz – 16.0kHz	28 – 58	15	3	●
11	EQ high gain	-12dB – +12dB	52 – 76	16		●

[12] ECHO

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time L1	0.1ms – 743.0ms	1 – 7430	1		●
3	Feedback level L	-63 – +63	1 – 127	2		●
4	Delay time R1	0.1ms – 743.0ms	1 – 7430	3		●
5	Feedback level R	-63 – +63	1 – 127	4		●
6	Feedback high damp	0.1 – 1.0	1 – 10	5		●
7	Delay time L2	0.1ms – 743.0ms	1 – 7430	6		●
8	Delay time R2	0.1ms – 743.0ms	1 – 7430	7		●
9	Delay level 2	0 – 127	0 – 127	8		●
10	EQ low frequency	32Hz – 2.0kHz	4 – 40	13	3	●
11	EQ low gain	-12dB – +12dB	52 – 76	14		●
12	EQ high frequency	500Hz – 16.0kHz	28 – 58	15	3	●
13	EQ high gain	-12dB – +12dB	52 – 76	16		●

[13] CROSS DELAY

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time L>R	0.1ms – 743.0ms	1 – 7430	1		●
3	Delay time R>L	0.1ms – 743.0ms	1 – 7430	2		●
4	Feedback level	-63 – +63	1 – 127	3		●
5	Input select	L, R, L&R	0 – 2	4		●
6	Feedback high damp	0.1 – 1.0	1 – 10	5		●
7	EQ low frequency	32Hz – 2.0kHz	4 – 40	13	3	●
8	EQ low gain	-12dB – +12dB	52 – 76	14		●
9	EQ high frequency	500Hz – 16.0kHz	28 – 58	15	3	●
10	EQ high gain	-12dB – +12dB	52 – 76	16		●

[14] CONTROL DELAY 1 (mono)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time	0.1ms – 1486.0ms	1 – 14860	1		●
3	Delay transition rate	1 – 48	1 – 48	2		●
4	Feedback level	-63 – +63	1 – 127	3		●
5	Feedback high damp	0.1 – 1.0	1 – 10	4		●
6	Delay time offset	0 – 127	0 – 127	5		●
7	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
8	EQ low gain	-12dB – +12dB	52 – 76	7		●
9	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
10	EQ high gain	-12dB – +12dB	52 – 76	9		●
11	Control Type	normal, scratch	0 – 1	11		●

[15] CONTROL DELAY 2 (stereo)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time	0.1ms – 743.0ms	1 – 7430	1		●
3	Delay transition rate	1 – 48	1 – 48	2		●
4	Feedback level	-63 – +63	1 – 127	3		●
5	Feedback high damp	0.1 – 1.0	1 – 10	4		●
6	Delay time offset	0 – 127	0 – 127	5		●
7	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
8	EQ low gain	-12dB – +12dB	52 – 76	7		●
9	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
10	EQ high gain	-12dB – +12dB	52 – 76	9		●
11	Control Type	normal, scratch	0 – 1	11		●

[16] TEMPO DELAY 1 (mono)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay Time	64th/3 – 4thx6	0 – 19	1	12	●
3	Feedback Level	-63 – +63	1 – 127	2		●
4	Feedback High Dump	0.1 – 1.0	1 – 10	3		●
5	L/R Diffusion	-63ms – +63ms	1 – 127	4		●
6	Lag	-63ms – +63ms	1 – 127	5		●
7	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	13	3	●
8	EQ Low Gain	-12dB – +12dB	52 – 76	14		●
9	EQ High Frequency	500Hz – 16.0kHz	28 – 58	15	3	●
10	EQ High Gain	-12dB – +12dB	52 – 76	16		●

[17] TEMPO DELAY 2 (stereo)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay Time	64th/3 – 4thx6	0 – 19	1	12	●
3	Feedback Level	-63 – +63	1 – 127	2		●
4	Feedback High Dump	0.1 – 1.0	1 – 10	3		●
5	L/R Diffusion	-63ms – +63ms	1 – 127	4		●
6	Lag	-63ms – +63ms	1 – 127	5		●
7	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	13	3	●
8	EQ Low Gain	-12dB – +12dB	52 – 76	14		●
9	EQ High Frequency	500Hz – 16.0kHz	28 – 58	15	3	●
10	EQ High Gain	-12dB – +12dB	52 – 76	16		●

[18] TEMPO CROSS DELAY

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay Time L>R	64th/3 – 4thx6	0 – 19	1	12	●
3	Delay Time R>L	64th/3 – 4thx6	0 – 19	2	12	●
4	Feedback Level	-63 – +63	1 – 127	3		●
5	45. Input Select	L, R, L&R	0 – 2	4		●
6	Feedback High Dump	0.1 – 1.0	1 – 10	5		●
7	Lag	-63ms – +63ms	1 – 127	6		●
8	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	13	3	●
9	EQ Low Gain	-12dB – +12dB	52 – 76	14		●
10	EQ High Frequency	500Hz – 16.0kHz	28 – 58	15	3	●
11	EQ High Gain	-12dB – +12dB	52 – 76	16		●

[19] – [20] EARLY REF 1 – 2

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Type	S-hall, L-hall, random, reverse, plate, spring	0 – 5	1		●
3	Room size	0.1 – 20.0	0 – 127	2	6	●
4	Diffusion	0 – 10	0 – 10	3		●
5	Initial delay	0.1ms – 200.0ms	0 – 127	4	5	●
6	Feedback level	-63 – +63	1 – 127	5		●
7	HPF cutoff frequency	20Hz – 8.0kHz	0 – 52	6	3	●
8	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	7	3	●
9	Liveness	0 – 10	0 – 10	11		●
10	Density	0 – 3	0 – 3	12		●
11	Feedback high damp	0.1 – 1.0	1 – 10	13		●

**[21] GATE REVERB
[22] REVERSE GATE**

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Type	type-A, type-B	0 – 1	1		●
3	Room size	0.1 – 20.0	0 – 127	2	6	●
4	Diffusion	0 – 10	0 – 10	3		●
5	Initial delay	0.1ms – 200.0ms	0 – 127	4	5	●
6	Feedback level	-63 – +63	1 – 127	5		●
7	HPF cutoff frequency	20Hz – 8.0kHz	0 – 52	6	3	●
8	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	7	3	●
9	Liveness	0 – 10	0 – 10	11		●
10	Density	0 – 3	0 – 3	12		●
11	Feedback high damp	0.1 – 1.0	1 – 10	13		●

[23] – [25] KARAOKE 1 – 3

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time	0.1ms – 400.0ms	0 – 127	1	7	●
3	Feedback level	-63 – +63	1 – 127	2		●
4	HPF cutoff frequency	20Hz – 8.0kHz	0 – 52	3	3	●
5	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	4	3	●
6	Density	0 – 3	0 – 3	11		●

[26] – [30] CHORUS 1 – 5
[31] – [34] CELESTE 1 – 4

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
3	LFO depth	0 – 127	0 – 127	2		●
4	Feedback level	-63 – +63	1 – 127	3		●
5	Delay offset	0.0ms – 50.0ms	0 – 127	4	2	
6	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
7	EQ low gain	-12dB – +12dB	52 – 76	7		●
8	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
9	EQ high gain	-12dB – +12dB	52 – 76	9		●
10	EQ mid frequency	100Hz – 10.0kHz	14 – 54	11	3	●
11	EQ mid gain	-12dB – +12dB	52 – 76	12		●
12	EQ mid width	0.1 – 12.0	1 – 120	13		●
13	Input mode	mono/stereo	0 – 1	15		

[35] SYMPHONIC

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
3	LFO depth	0 – 127	0 – 127	2		●
4	Delay offset	0.0ms – 50.0ms	0 – 127	3	2	
5	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
6	EQ low gain	-12dB – +12dB	52 – 76	7		●
7	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
8	EQ high gain	-12dB – +12dB	52 – 76	9		●
9	EQ mid frequency	100Hz – 10.0kHz	14 – 54	11	3	●
10	EQ mid gain	-12dB – +12dB	52 – 76	12		●
11	EQ mid width	0.1 – 12.0	1 – 120	13		●

[36] ENSEMBLE DETUNE

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Detune	-50cent – +50cent	14 – 114	1		
3	Initial delay Lch	0.0ms – 50.0ms	0 – 127	2	2	
4	Initial delay Rch	0.0ms – 50.0ms	0 – 127	3	2	
5	EQ low frequency	32Hz – 2.0kHz	4 – 40	11	3	●
6	EQ low gain	-12dB – +12dB	52 – 76	12		●
7	EQ high frequency	500Hz – 16.0kHz	28 – 58	13	3	●
8	EQ high gain	-12dB – +12dB	52 – 76	14		●

[37] – [39] FLANGER 1 – 3

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
3	LFO depth	0 – 127	0 – 127	2		●
4	Feedback level	-63 – +63	1 – 127	3		●
5	Delay offset	0.0ms – 50.0ms	0 – 127	4	2	
6	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
7	EQ low gain	-12dB – +12dB	52 – 76	7		●
8	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
9	EQ high gain	-12dB – +12dB	52 – 76	9		●
10	EQ mid frequency	100Hz – 10.0kHz	14 – 54	11	3	●
11	EQ mid gain	-12dB – +12dB	52 – 76	12		●
12	EQ mid width	0.1 – 12.0	1 – 120	13		●
13	LFO phase difference	-180deg – +180deg	4 – 124	14		●

[40] V-FLANGER

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
3	LFO depth	0 – 127	0 – 127	2		●
4	LFO Wave	Triangle, Sine, Random	0 – 2	3		
5	Delay offset	0.09 – 36.21ms	0 – 139	4		
6	Feedback Level	-100 – +100%	0 – 200	5		●
7	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
8	EQ low gain	-12dB – +12dB	52 – 76	7		●
9	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
10	EQ high gain	-12dB – +12dB	52 – 76	9		●
11	EQ mid frequency	100Hz – 10.0kHz	14 – 54	11	3	●
12	EQ mid gain	-12dB – +12dB	52 – 76	12		●
13	EQ mid width	0.1 – 12.0	1 – 120	13		●
14	Modulation Phase	-180 – +180	0 – 16	14	13	
15	Feedback high damp	0.1 – 1.0	1 – 10	15		●
16	Analog Feel	0 – 10	0 – 10	16		●

[41] TEMPO FLANGER

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd, Whole/3, 2nd., 4thx4, 4thx5, 4thx6, 4thx7, 4thx8	5 – 21	1	12	●
3	LFO depth	0 – 127	0 – 127	2		●
4	feedback level	-63 – +63	1 – 127	3		●
5	delay offset	0.0ms – 50.0ms	0 – 127	4	2	
6	LFO Phase Reset	off (free run), KeyOnReset, SEQ Start Reset	0 – 2	5		
7	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	6	3	●
8	EQ Low Gain	-12dB – +12dB	52 – 76	7		●
9	EQ High Frequency	500Hz – 16.0kHz	28 – 58	8	3	●
10	EQ High Gain	-12dB – +12dB	52 – 76	9		●
11	EQ mid frequency	100Hz – 10.0kHz	14 – 54	11	3	●
12	EQ mid gain	-12dB – +12dB	52 – 76	12		●
13	EQ mid width	0.1 – 12.0	1 – 120	13		●
14	LFO phase difference	-180deg – +180deg	4 – 124	14		●

[42] DYNAMIC FLANGER (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / Wet Balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Sensitivity	0 – 127	0 – 127	1		●
3	Delay Time Offset	0 – 127	0 – 127	2		●
4	Feedback Level	-63 – +63	1 – 127	3		●
5	Attack Time	0.3ms – 227ms	0 – 127	4		●
6	Release Time	2.6ms – 2171ms	0 – 127	5		●
7	Release Curve	0 – 127	0 – 127	6		
8	Direction	up, down	0 – 1	7		
9	Dyna Threshold Level	0 – 127	0 – 127	8		●
10	Dyna Level Offset	0 – 127	0 – 127	9		●
11	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	13	3	●
12	EQ Low Gain	-12dB – +12dB	52 – 76	14		●
13	EQ High Frequency	500Hz – 16.0kHz	28 – 58	15	3	●
14	EQ High Gain	-12dB – +12dB	52 – 76	16		●

[43] PHASER 1

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
3	LFO depth	0 – 127	0 – 127	2		●
4	Phase shift offset	0 – 127	0 – 127	3		
5	Feedback level	-63 – +63	1 – 127	4		●
6	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
7	EQ low gain	-12dB – +12dB	52 – 76	7		●
8	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
9	EQ high gain	-12dB – +12dB	52 – 76	9		●
10	Stage	4 – 22	4 – 22	11		●
11	Diffusion	mono/stereo	0 – 1	12		

[44] PHASER 2

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
3	LFO depth	0 – 127	0 – 127	2		●
4	Phase shift offset	0 – 127	0 – 127	3		●
5	Feedback level	-63 – +63	1 – 127	4		●
6	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
7	EQ low gain	-12dB – +12dB	52 – 76	7		●
8	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
9	EQ high gain	-12dB – +12dB	52 – 76	9		●
10	Stage	3 – 11	3 – 11	11		●
11	LFO phase difference	-180deg – +180deg	4 – 124	13		●

[45] TEMPO PHASER

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd, Whole/3, 2nd., 4thx4, 4thx5, 4thx6, 4thx7, 4thx8	5 – 21	1	12	●
3	LFO depth	0 – 127	0 – 127	2		●
4	Phase shift offset	0 – 127	0 – 127	3		●
5	Feedback level	-63 – +63	1 – 127	4		●
6	LFO Phase Reset	off (free run), KeyOnReset, SEQ Start Reset	0 – 2	5		●
7	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	6	3	●
8	EQ Low Gain	-12dB – +12dB	52 – 76	7		●
9	EQ High Frequency	500Hz – 16.0kHz	28 – 58	8	3	●
10	EQ High Gain	-12dB – +12dB	52 – 76	9		●
11	Stage	3 – 11	3 – 11	11		●
12	LFO phase difference	-180deg – +180deg	4 – 124	13		●

[46] DYNAMIC PHASER (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / Wet Balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Sensitivity	0 – 127	0 – 127	1		●
3	Dyna Level Offset	0 – 127	0 – 127	2		●
4	Feedback Level	-63 – +63	1 – 127	3		●
5	Attack Time	0.3ms – 227ms	0 – 127	4		●
6	Release Time	2.6ms – 2171ms	0 – 127	5		●
7	Release Curve	0 – 127	0 – 127	6		●
8	Direction	up, down	0 – 1	7		●
9	Dyna Threshold Level	0 – 127	0 – 127	8		●
10	Stage	4, 5, 6	4 – 6	11		●
11	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	13	3	●
12	EQ Low Gain	-12dB – +12dB	52 – 76	14		●
13	EQ High Frequency	500Hz – 16.0kHz	28 – 58	15	3	●
14	EQ High Gain	-12dB – +12dB	52 – 76	16		●

[47] TREMOLO (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
2	AM depth	0 – 127	0 – 127	2		●
3	PM depth	0 – 127	0 – 127	3		●
4	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
5	EQ low gain	-12dB – +12dB	52 – 76	7		●
6	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
7	EQ high gain	-12dB – +12dB	52 – 76	9		●
8	EQ mid frequency	100Hz – 10.0kHz	14 – 54	11	3	●
9	EQ mid gain	-12dB – +12dB	52 – 76	12		●
10	EQ mid width	0.1 – 12.0	1 – 120	13		●
11	LFO phase difference	-180deg – +180deg	4 – 124	14		●
12	Input mode	mono/stereo	0 – 1	15		●

[48] AUTO PAN (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
2	L/R depth	0 – 127	0 – 127	2		●
3	F/R depth	0 – 127	0 – 127	3		●
4	PAN direction	L<>R, L>>R, L<<R, Lturn, Rturn, L/R (0 – 5)	0 – 5	4		●
5	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
6	EQ low gain	-12dB – +12dB	52 – 76	7		●
7	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
8	EQ high gain	-12dB – +12dB	52 – 76	9		●
9	EQ mid frequency	100Hz – 10.0kHz	14 – 54	11	3	●
10	EQ mid gain	-12dB – +12dB	52 – 76	12		●
11	EQ mid width	0.1 – 12.0	1 – 120	13		●

[49] AUTO PAN 2 (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
2	L/R depth	0 – 127	0 – 127	2		●
3	F/R depth	0 – 127	0 – 127	3		●
4	PAN direction	L<>R, L>>R, L<<R, Lturn, Rturn, L/R (0 – 5)	0 – 5	4		●
5	LFO Wave	0 – 28	0 – 28	5		●
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	6	3	●
7	EQ Low Gain	-12dB – +12dB	52 – 76	7		●
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	8	3	●
9	EQ High Gain	-12dB – +12dB	52 – 76	9		●
10	EQ mid frequency	100Hz – 10.0kHz	14 – 54	11	3	●
11	EQ mid gain	-12dB – +12dB	52 – 76	12		●
12	EQ mid width	0.1 – 12.0	1 – 120	13		●
13	Input Mode	Mono/Stereo	0 – 1	15		●

[50] ROTARY SPEAKER 1 (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
3	LFO depth	0 – 127	0 – 127	2		●
4	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
5	EQ low gain	-12dB – +12dB	52 – 76	7		●
6	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
7	EQ high gain	-12dB – +12dB	52 – 76	9		●
8	EQ mid frequency	100Hz – 10.0kHz	14 – 54	11	3	●
9	EQ mid gain	-12dB – +12dB	52 – 76	12		●
10	EQ mid width	0.1 – 12.0	1 – 120	13		●

[51] DISTORTION + ROTARY SPEAKER (Insertion Block Only)

[52] OVERDRIVE + ROTARY SPEAKER (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
2	LFO Depth	0 – 127	0 – 127	2		●
3	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	6	3	●
4	EQ Low Gain	-12dB – +12dB	52 – 76	7		●
5	EQ High Frequency	500Hz – 16.0kHz	28 – 58	8	3	●
6	EQ High Gain	-12dB – +12dB	52 – 76	9		●
7	Dist. Drive	0 – 127	0 – 127	14		●
8	Dist. LPF Cutoff Freq	1.0kHz – 20.0kHz	34 – 60	15	3	●
9	Dist. Output Level	0 – 127	0 – 127	16		●

[53] AMP SIMULATOR + ROTARY SPEAKER (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
2	LFO Depth	0 – 127	0 – 127	2		●
3	AMP Type	off, stack, combo, tube	0 – 3	3		●
4	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	6		●
5	EQ Low Gain	-12dB – +12dB	52 – 76	7		●
6	EQ High Frequency	500Hz – 16.0kHz	28 – 58	8	3	●
7	EQ High Gain	-12dB – +12dB	52 – 76	9		●
8	AMP Drive	0 – 127	0 – 127	14		●
9	AMP LPF Cutoff Freq	1.0kHz – 20.0kHz	34 – 60	15	3	●
10	AMP Output Level	0 – 127	0 – 127	16		●

[54] 2WAY ROTARY SPEAKER 1 (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Rotor speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
2	Drive low	0 – 127	0 – 127	2		●
3	Drive high	0 – 127	0 – 127	3		●
4	Low / high balance	L63>H – L=H – L<H63	1 – 127	4		●
5	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
6	EQ low gain	-12dB – +12dB	52 – 76	7		●
7	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
8	EQ high gain	-12dB – +12dB	52 – 76	9		●
9	Divide frequency	100Hz – 10.0kHz	14 – 54	11	3	●
10	Mic L-R angle	(0 – 60)°3		12		●

[55] DISTORTION + 2WAY ROTARY SPEAKER (Insertion Block Only)

[56] OVERDRIVE + 2WAY ROTARY SPEAKER (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Rotor Speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
2	Drive Low	0 – 127	0 – 127	2		●
3	Drive High	0 – 127	0 – 127	3		●
4	Low/High Balance	L63>H – L=H – L<H63	1 – 127	4		●
5	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	6	3	●
6	EQ Low Gain	-12dB – +12dB	52 – 76	7		●
7	EQ High Frequency	500Hz – 16.0kHz	28 – 58	8	3	●
8	EQ High Gain	-12dB – +12dB	52 – 76	9		●
9	Divide frequency	100Hz – 10.0kHz	14 – 54	11	3	●
10	Mic L-R Angle	0deg – 180deg	0 – 60	12		●
11	Dist. Drive	0 – 127	0 – 127	14		●
12	Dist. LPF Cutoff Freq	1.0kHz – 20.0kHz	34 – 60	15	3	●
13	Dist. Output Level	0 – 127	0 – 127	16		●

[57] AMP SIM. + 2WAY ROTARY SPEAKER (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Rotor Speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
2	Drive Low	0 – 127	0 – 127	2		●
3	Drive High	0 – 127	0 – 127	3		●
4	Low/High Balance	L63>H – L=H – L<H63	1 – 127	4		●
5	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	6	3	●
6	EQ Low Gain	-12dB – +12dB	52 – 76	7		●
7	EQ High Frequency	500Hz – 16.0kHz	28 – 58	8	3	●
8	EQ High Gain	-12dB – +12dB	52 – 76	9		●
9	Divide Frequency	100Hz – 10.0kHz	14 – 54	11	3	●
10	Mic L-R Angle	0deg – 180deg	0 – 60	12		●
11	AMP Type	off, stack, combo, tube	0 – 3	13		●
12	AMP Drive	0 – 127	0 – 127	14		●
13	AMP LPF Cutoff Freq	1.0kHz – 20.0kHz	34 – 60	15	3	●
14	AMP Output Level	0 – 127	0 – 127	16		●

[58] 2WAY ROTARY SPEAKER 2 (DUAL ROTARY SPEAKER 1) (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Rotor Speed Slow	0.0Hz – 2.65Hz	0 – 63	1	1	●
2	Horn Speed Slow	0.0Hz – 2.65Hz	0 – 63	2	1	●
3	Rotor Speed Fast	2.69Hz – 39.70Hz	64 – 127	3	1	●
4	Horn Speed Fast	2.69Hz – 39.70Hz	64 – 127	4	1	●
5	Slow-Fast Time of R	0 – 127	0 – 127	5		●
6	Slow-Fast Time of H	0 – 127	0 – 127	6		●
7	Drive Low	0 – 127	0 – 127	7		●
8	Drive High	0 – 127	0 – 127	8		●
9	Low/High Balance	L63>H – L=H – L<H63	1 – 127	9		●
10	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	11	3	●
11	EQ Low Gain	-12dB – +12dB	52 – 76	12		●
12	EQ High Frequency	500Hz – 16.0kHz	28 – 58	13	3	●
13	EQ High Gain	-12dB – +12dB	52 – 76	14		●
14	Mic L-R Angle	0deg – 180deg	0 – 60	15		●
15	Speed Control	slow, fast	0 – 1	16		●

[59] 2WAY ROTARY SPEAKER 3 (DUAL ROTARY SPEAKER 2) (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Rotor Speed Slow	0.0Hz – 2.65Hz	0 – 63	1	1	●
2	Horn Speed Slow	0.0Hz – 2.65Hz	0 – 63	2	1	●
3	Rotor Speed Fast	2.69Hz – 39.70Hz	64 – 127	3	1	●
4	Horn Speed Fast	2.69Hz – 39.70Hz	64 – 127	4	1	●
5	Slow-Fast Time of R	0 – 127	0 – 127	5		●
6	Slow-Fast Time of H	0 – 127	0 – 127	6		●
7	Drive Low	0 – 127	0 – 127	7		●
8	Drive High	0 – 127	0 – 127	8		●
9	Low/High Balance	L63>H – L=H – L<H63	1 – 127	9		●
10	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	11	3	●
11	EQ Low Gain	-12dB – +12dB	52 – 76	12		●
12	EQ High Frequency	500Hz – 16.0kHz	28 – 58	13	3	●
13	EQ High Gain	-12dB – +12dB	52 – 76	14		●
14	Mic L-R Angle	0deg – 180deg	0 – 60	15		●
15	Speed Control	slow, fast	0 – 1	16		●

[60] DUAL ROTARY SPEAKER 3 (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Rotor Speed Slow	0.0Hz – 2.65Hz	0 – 63	1	1	●
2	Horn Speed Slow	0.0Hz – 2.65Hz	0 – 63	2	1	●
3	Rotor Speed Fast	2.69Hz – 39.70Hz	64 – 127	3	1	●
4	Horn Speed Fast	2.69Hz – 39.70Hz	64 – 127	4	1	●
5	Slow-Fast Time of R	0 – 127	0 – 127	5		●
6	Slow-Fast Time of H	0 – 127	0 – 127	6		●
7	Drive Low	0 – 127	0 – 127	7		●
8	Drive High	0 – 127	0 – 127	8		●
9	Low/High Balance	L63>H – L=H – L<H63	1 – 127	9		●
10	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	11	3	●
11	EQ Low Gain	-12dB – +12dB	52 – 76	12		●
12	EQ High Frequency	500Hz – 16.0kHz	28 – 58	13	3	●
13	EQ High Gain	-12dB – +12dB	52 – 76	14		●
14	Mic L-R Angle	0deg – 180deg	0 – 60	15		●
15	Speed Control	slow, fast	0 – 1	16		●

[61] DISTORTION (Insertion Block Only)

[64] OVERDRIVE (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Drive	0 – 127	0 – 127	1		●
3	EQ low frequency	32Hz – 2.0kHz	4 – 40	2	3	●
4	EQ low gain	-12dB – +12dB	52 – 76	3		●
5	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	4	3	●
6	Output level	0 – 127	0 – 127	5		●
7	EQ mid frequency	100Hz – 10.0kHz	14 – 54	7	3	●
8	EQ mid gain	-12dB – +12dB	52 – 76	8		●
9	EQ mid width	0.1 – 12.0	1 – 120	9		●
10	Edge	0 – 127	0 – 127	11		●

[62] COMP DISTORTION (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Drive	0 – 127	0 – 127	1		●
3	EQ low frequency	32Hz – 2.0kHz	4 – 40	2	3	●
4	EQ low gain	-12dB – +12dB	52 – 76	3		●
5	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	4	3	●
6	Output level	0 – 127	0 – 127	5		●
7	EQ mid frequency	100Hz – 10.0kHz	14 – 54	7	3	●
8	EQ mid gain	-12dB – +12dB	52 – 76	8		●
9	EQ mid width	0.1 – 12.0	1 – 120	9		●
10	Edge	0 – 127	0 – 127	11		●
11	Attack	1ms – 40ms	0 – 19	12	8	●
12	Release	10ms – 680ms	0 – 15	13	9	●
13	Threshold	-48dB – -6dB	79 – 121	14		●
14	Ratio	1 – 20.0	0 – 7	15	10	●

[63] V-Distortion (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Over Drive	0 – 100%	0 – 100	1		●
3	Device	tr, tube, dist1, dist2, fuzz	0 – 4	2		●
4	Speaker Type	Flat, Stack, Combo, Twin, Radio, Megaphone	0 – 5	3		●
5	Presence	-10 – 10	0 – 20	4		●
6	Output Level	0 – 100%	0 – 100	5		●
7	Delay Time L	0.1ms – 1486.0ms	1 – 14860	6		●
8	Delay Time R	0.1ms – 1486.0ms	1 – 14860	7		●
9	Feedback Time	0.1ms – 1486.0ms	1 – 14860	8		●
10	Feedback Level	-63 – +63	1 – 127	9		●
11	Delay Mix	0 – 127	0 – 127	11		●
12	Feedback High Damp	0.1 – 1.0	1 – 10	12		●

[65] AMP SIMULATOR (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Drive	0 – 127	0 – 127	1		●
3	AMP type	off, stack, combo, tube	0 – 3	2		●
4	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	3	3	●
5	Output level	0 – 127	0 – 127	4		●
6	Edge	0 – 127	0 – 127	11		●

[66] AMP SIMULATOR 2 (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Drive	0 – 127	0 – 127	1		●
3	AMP type	off, stack, combo, tube, crunch, hi gain, british	0 – 6	2		●
4	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	3	3	●
5	Output level	0 – 127	0 – 127	4		●

[67] DIST + DELAY (Insertion Block Only)

[68] OVERDRIVE + DELAY (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time L	0.1ms – 1486.0ms	1 – 14860	1		●
3	Delay time R	0.1ms – 1486.0ms	1 – 14860	2		●
4	Delay feedback time	0.1ms – 1486.0ms	1 – 14860	3		●
5	Delay feedback level	-63 – +63	1 – 127	4		●
6	Delay mix	0 – 127	0 – 127	5		●
7	Dist. drive	0 – 127	0 – 127	6		●
8	Dist output level	0 – 127	0 – 127	7		●
9	Dist. EQ low gain	-12dB – +12dB	52 – 76	8		●
10	Dist. EQ mid gain	-12dB – +12dB	52 – 76	9		●

[69] COMPRESSOR (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Attack	1ms – 40ms	0 – 19	1	8	●
2	Release	10ms – 680ms	0 – 15	2	9	●
3	Threshold	-48dB – -6dB	79 – 121	3		●
4	Ratio	1 – 20.0	0 – 7	4	10	●
5	Output level	0 – 127	0 – 127	5		●

[70] MONO COMPRESSOR (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Attack	1ms – 40ms	0 – 19	1	8	●
2	Release	10ms – 680ms	0 – 15	2	9	●
3	Threshold	-48dB – -6dB	79 – 121	3		●
4	Ratio	1 – 20.0	0 – 7	4	10	●
5	Output level	0 – 127	0 – 127	5		●

[71] NOISE GATE (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Attack	1ms – 40ms	0 – 19	1	8	●
2	Release	10ms – 680ms	0 – 15	2	9	●
3	Threshold	-72dB – -30dB	55 – 97	3		●
4	Output level	0 – 127	0 – 127	4		●

[72] COMP + DIST + DELAY (Insertion Block Only)

[73] COMP + ODRV + DELAY (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time	0.1ms – 1486.0ms	1 – 14860	1		●
3	Delay feedback level	-63 – +63	1 – 127	2		●
4	Delay mix	0 – 127	0 – 127	3		●
5	Dist. drive	0 – 127	0 – 127	4		●
6	Dist output level	0 – 127	0 – 127	5		●
7	Dist. EQ low gain	-12dB – +12dB	52 – 76	6		●
8	Dist. EQ mid gain	-12dB – +12dB	52 – 76	7		●
9	Comp. attack	1ms – 40ms	0 – 19	11	8	●
10	Comp. release	10ms – 680ms	0 – 15	12	9	●
11	Comp. threshold	-48dB – -6dB	79 – 121	13		●
12	Comp. ratio	1 – 20.0	0 – 7	14	10	●

[74] MULTI BAND COMP 1 (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Type	Normal, Low, Mid, High, Low/High, Low/Mid, Mid/High, Full Bit, Wild, Attack, Low End, Hard, Basic	0 – 12	1		●
2	Threshold Offset	-32 – +32	32 – 96	2		●
3	Low Gain Offset	-63 – +63	1 – 127	3		●
4	Mid Gain Offset	-63 – +63	1 – 127	4		●
5	High Gain Offset	-63 – +63	1 – 127	5		●

[75] MULTI BAND COMP 2 (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Mid Gain	-∞ – +18dB	0 – 55	10	14	●
2	Low Attack	1ms – 200ms	0 – 29	1	8	●
3	Low Release	10ms – 3000ms	0 – 23	2	9	●
4	Low Threshold	-54dB – -6dB	73 – 121	3		●
5	Low Ratio	1 – 20.0	0 – 7	4	10	●
6	Low Gain	-∞ – +18dB	0 – 55	5	14	●
7	Mid Attack	1ms – 200ms	0 – 29	6	8	●
8	Mid Release	10ms – 3000ms	0 – 23	7	9	●
9	Mid Threshold	-54dB – -6dB	73 – 121	8		●
10	Mid Ratio	1 – 20.0	0 – 7	9	10	●
11	High Attack	1ms – 200ms	0 – 29	11	8	●
12	High Release	10ms – 3000ms	0 – 23	12	9	●
13	High Threshold	-54dB – -6dB	73 – 121	13		●
14	High Ratio	1 – 20.0	0 – 7	14	10	●
15	High Gain	-∞ – +18dB	0 – 55	15	14	●
16	Divide Freq	0 – 89	0 – 89	16	15	●

[76] PITCH CHANGE 1 (Insertion Block Only)

[77] PITCH CHANGE 2 (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Pitch	-24 – +24	40 – 88	1		●
3	Initial delay	0.1ms – 400.0ms	0 – 127	2	7	●
4	Fine1	-50 – +50	14 – 114	3		●
5	Fine2	-50 – +50	14 – 114	4		●
6	Feedback level	-63 – +63	1 – 127	5		●
7	PAN1	L63 – C – R63	1 – 127	11		●
8	Output level1	0 – 127	0 – 127	12		●
9	PAN2	L63 – C – R63	1 – 127	13		●
10	Output level2	0 – 127	0 – 127	14		●

[78] AUTO WAH (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
3	LFO depth	0 – 127	0 – 127	2		●
4	Cutoff frequency offset	0 – 127	0 – 127	3		●
5	Resonance	1 – 12.0	10 – 120	4		●
6	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
7	EQ low gain	-12dB – +12dB	52 – 76	7		●
8	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
9	EQ high gain	-12dB – +12dB	52 – 76	9		●

[79] AUTO WAH DISTORTION (Insertion Block Only)

[80] AUTO WAH OVERDRIVE (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	LFO speed	0.0Hz – 39.70Hz	0 – 127	1	1	●
3	LFO depth	0 – 127	0 – 127	2		●
4	Cutoff frequency offset	0 – 127	0 – 127	3		●
5	Resonance	1 – 12.0	10 – 120	4		●
6	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
7	EQ low gain	-12dB – +12dB	52 – 76	7		●
8	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
9	EQ high gain	-12dB – +12dB	52 – 76	9		●
10	Drive	0 – 127	0 – 127	11		●
11	Dist low gain	-12dB – +12dB	52 – 76	12		●
12	Dist mid gain	-12dB – +12dB	52 – 76	13		●
13	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	14	3	●
14	Output level	0 – 127	0 – 127	15		●

[81] TOUCH WAH (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Sensitive	0 – 127	0 – 127	1		●
3	Cutoff frequency offset	0 – 127	0 – 127	2		●
4	Resonance	1 – 12.0	10 – 120	3		●
5	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
6	EQ low gain	-12dB – +12dB	52 – 76	7		●
7	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
8	EQ high gain	-12dB – +12dB	52 – 76	9		●

[82] TOUCH WAH DISTORTION (Insertion Block Only)

[83] TOUCH WAH OVERDRIVE (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Sensitive	0 – 127	0 – 127	1		●
3	Cutoff frequency offset	0 – 127	0 – 127	2		●
4	Resonance	1 – 12.0	10 – 120	3		●
5	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
6	EQ low gain	-12dB – +12dB	52 – 76	7		●
7	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
8	EQ high gain	-12dB – +12dB	52 – 76	9		●
9	Drive	0 – 127	0 – 127	11		●
10	Dist low gain	-12dB – +12dB	52 – 76	12		●
11	Dist mid gain	-12dB – +12dB	52 – 76	13		●
12	LPF cutoff frequency	1.0kHz – 20.0kHz	34 – 60	14	3	●
13	Output level	0 – 127	0 – 127	15		●

[84] WAH + DIST + DELAY (Insertion Block Only)

[85] WAH + ODRV + DELAY (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time	0.1ms – 1486.0ms	1 – 14860	1		●
3	Delay feedback level	-63 – +63	1 – 127	2		●
4	Delay mix	0 – 127	0 – 127	3		●
5	Dist. drive	0 – 127	0 – 127	4		●
6	Dist output level	0 – 127	0 – 127	5		●
7	Dist. EQ low gain	-12dB – +12dB	52 – 76	6		●
8	Dist. EQ mid gain	-12dB – +12dB	52 – 76	7		●
9	Wah sensitive	0 – 127	0 – 127	11		●
10	Wah cutoff frequency	0 – 127	0 – 127	12		●
11	Wah resonance	1 – 12.0	10 – 120	13		●
12	Wah release	10ms – 680ms	52 – 67	14	9	●

[86] LO-FI (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Sampling Freq. Control	44.1kHz – 344Hz	0 – 127	1		●
3	Word Length	1 – 127	1 – 127	2		●
4	Output Gain	-6dB – +36dB	0 – 42	3		●
5	Pre-LPF Cutoff Frequency	63Hz – 20.0kHz	10 – 60	4	3	●
6	Filter Type	thru, PowerBass, Radio, Telephone, Clean, Low	0 – 5	5		●
7	Pre-LPF Resonance	1 – 12.0	10 – 120	6		●
8	Bit Assign	0 – 6	0 – 6	7		●
9	Emphasis	off/on	0 – 1	8		●
10	Input mode	mono/stereo	0 – 1	15		●

[87] LOW RESOLUTION (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Mod Depth	0 – 127	0 – 127	1		●
3	Mod Delay Offset	1 – 127	1 – 127	2		●
4	Mod Feedback	-63 – +63	1 – 127	3		●
5	Resolution	1, 1/2 – 1/128	0 – 7	4		●
6	Mod Mix Balance	0 – 127	0 – 127	5		●
7	Phase Inverse R	off, wet, wet+dry	0 – 2	6		●

[88] NOISY (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Mod Depth	0 – 10	0 – 10	1		●
3	Mod Speed	0 – 127	0 – 127	2		●
4	Mod Feedback	-63 – +63	1 – 127	3		●
5	Mod Mix Balance	1 – 127	1 – 127	4		●
6	Drive	0 – 127	0 – 127	5		●
7	AM Speed	0.00Hz – 39.7Hz	0 – 127	6	1	●
8	AM Depth	0 – 127	0 – 127	7		●
9	LPF Frequency	1.0kHz – 20.0kHz	34 – 60	8	3	●
10	LPF Resonance	1.0 – 12.0	10 – 120	9		●
11	EQ Frequency	100Hz – 10.0kHz	14 – 54	11	3	●
12	EQ Gain	-12 – +12dB	52 – 76	12		●
13	EQ Width	1.0 – 12.0	10 – 120	13		●

[89] ATTACK LOFI (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Sensitive	0 – 127	0 – 127	1		●
3	Resolution	1, 1/2 – 1/32	0 – 5	2		●
4	Peak Frequency	100Hz – 10.0kHz	14 – 54	3	3	●
5	LPF Frequency	1.0kHz – 20.0kHz	34 – 60	4	3	●
6	Flanger Speed	0.00Hz – 39.7Hz	0 – 127	5	1	●
7	Flanger LFO Wave	tri, sine, saw up, saw down	0 – 3	6		●
8	Flanger Depth	0 – 127	0 – 127	7		●
9	Flg Depth Ofst R	-63 – +63	1 – 127	8		●
10	Flg Mix Balance	1 – 127	1 – 127	9		●
11	Flanger Delay	0.1 – 650.0ms	1 – 6500	11		●
12	Flg Delay Ofst R	0 – -884(*)	0 – 884	12		●
13	Flanger Feedback	-63 – +63	1 – 127	13		●
14	Flanger FB Ofst R	-63 – +63	1 – 127	14		●
15	Flanger FB HiDamp	0.1 – 1.0	1 – 10	15		●
16	FB HiDamp Ofst R	-0.9 – +0.9	1 – 19	16		●

[90] DIGITAL TURNTABLE (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Click Density	0 – 5	0 – 5	1		●
2	Click Level	0 – 127	0 – 127	2		●
3	Noise Tone	0 – 6	0 – 6	3		●
4	Noise Mod Speed	0.00Hz – 39.7Hz	0 – 127	4	1	●
5	Noise Mod Depth	0 – 127	0 – 127	5		●
6	Dry Send to Noise	0 – 127	0 – 127	6		●
7	Noise LPF Freq	1.0kHz – 20.0kHz	34 – 60	7	3	●
8	Noise LPF Q	1.0 – 12.0	10 – 120	8		●
9	Noise Level	0 – 127	0 – 127	9		●
10	Dry Level	0 – 127	0 – 127	11		●
11	Dry LPF Frequency	1.0kHz – 20.0kHz	34 – 60	12	3	●

[91] DIGITAL SCRATCH (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Input Level	0 – 127	0 – 127	1		●
3	Initial Delay	0.1 – 460.0ms	1 – 4600	2		●
4	Scratch Speed	1 – 127	1 – 127	3		●
5	Scratch Depth	0 – 127	0 – 127	4		●
6	Auto Pan Speed	0.00Hz – 39.7Hz	0 – 127	5	1	●
7	Auto Pan Depth	0 – 127	0 – 127	6		●
8	EQ Frequency	100Hz – 10.0kHz	14 – 54	7	3	●
9	EQ Gain	-12 – +12dB	52 – 76	8		●
10	EQ Width	1.0 – 12.0	10 – 120	9		●
11	HPF Frequency	20Hz – 8.0kHz	0 – 52	11	3	●

[92] AUTO SYNTH (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry Mix Level	0 – 127	0 – 127	10		●
2	Mod Speed	0 – 127	0 – 127	1		●
3	Mod Wave Type	typeA, typeB, typeC, typeD	0 – 3	2		●
4	Mod Depth	0 – 127	0 – 127	3		●
5	Mod Depth Ofst R	-63 – +63	1 – 127	4		●
6	HPF Frequency	20Hz – 8.0kHz	0 – 52	5	3	●
7	LPF Frequency	1.0kHz – 20.0kHz	34 – 60	6	3	●
8	Delay Time	0.1 – 370.0ms	1 – 3700	7		●
9	Delay Time Ofst R	0 – 884	0 – 884	8		●
10	Delay Level	0 – 127	0 – 127	9		●
11	Feedback Level	-63 – +63	1 – 127	11		●
12	FB Level Ofst R	-63 – +63	1 – 127	12		●
13	AM Speed	0.00Hz – 39.7Hz	0 – 127	13	1	●
14	AM Wave	tri, sine, saw up, saw down	0 – 3	14		●
15	AM Depth	0 – 127	0 – 127	15		●
16	AM Inverse R	normal, inverse	0 – 1	16		●

[93] TECH MODULATION (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Mod Speed	0 – 127	0 – 127	1		●
3	Mod Depth	0 – 127	0 – 127	2		●
4	Mod Gain	-12 – +12dB	52 – 76	3		●
5	Mod Mix Balance	D63>W – D=W – D<W63	1 – 127	4		●
6	Pre Mod HPF Freq	20Hz – 8.0kHz	0 – 52	5	3	●
7	Mod LPF Frequency	1.0kHz – 20.0kHz	34 – 60	6	3	●
8	Mod LPF Resonance	1.0 – 12.0	10 – 120	7		●
9	Delay Time	0.1 – 740.0ms	1 – 7400	8		●
10	Delay Time Ofst R	0 – 884	0 – 884	9		●
11	Feedback Level	-63 – +63	1 – 127	11		●
12	FB Level Ofst R	-63 – +63	1 – 127	12		●
13	Feedback Hi Damp	0.1 – 1.0	1 – 10	13		●
14	FB Hi Damp Ofst R	-0.9 – +0.9	1 – 19	14		●

[94] JUMP (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Depth	0 – 127	0 – 127	1		●
3	Speed	0 – 127	0 – 127	2		●
4	Direction	L<>R, L>>R	0 – 1	3		●
5	Type	typeA, typeB, typeC	0 – 2	4		●
6	Jump Wave Type	typeA, typeB, typeC, typeD	0 – 3	5		●
7	Resolution	1, 1/2 – 1/256	0 – 8	6		●
8	HPF Frequency	20Hz – 8.0kHz	0 – 52	7	3	●
9	LPF Frequency	1.0kHz – 20.0kHz	34 – 60	8	3	●

[95] ISOLATOR (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	On/off SW	on, off	0 – 1	1		●
2	Low Level	-63 – +63	0 – 127	2		●
3	Mid Level	-63 – +63	0 – 127	3		●
4	High Level	-63 – +63	0 – 127	4		●
5	Low Mute	off/on	0 – 1	5		●
6	Mid Mute	off/on	0 – 1	6		●
7	High Mute	off/on	0 – 1	7		●

[96] SLICE (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Divide Type	16th – 4th	5 – 11	1	12	●
3	Gate Time	0 – 100%	0 – 100	2		●
4	Pan AEG Type	A – E	0 – 4	3		●
5	Pan AEG Min Level	0 – 127	0 – 127	4		●
6	Pan Depth	-63 – +63	1 – 127	5		●
7	Divide Min Level	0 – 127	0 – 127	6		●
8	Pan Type	A – J	0 – 9	7		●
9	Drive	0 – 127	0 – 127	8		●
10	AEG Phase	0 – 15 (x16th note)	0 – 15	9		●
11	Set Slice Tempo	---	---	12		●
12	EQ low frequency	32Hz – 2.0kHz	4 – 40	13	3	●
13	EQ low gain	-12dB – +12dB	52 – 76	14		●
14	EQ high frequency	500Hz – 16.0kHz	28 – 58	15	3	●
15	EQ high gain	-12dB – +12dB	52 – 76	16		●

[97] 3BAND EQ (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	EQ low gain	-12dB – +12dB	52 – 76	1		●
2	EQ mid frequency	100Hz – 10.0kHz	14 – 54	2	3	●
3	EQ mid gain	-12dB – +12dB	52 – 76	3		●
4	EQ mid width	0.1 – 12.0	1 – 120	4		●
5	EQ high gain	-12dB – +12dB	52 – 76	5		●
6	EQ low frequency	50Hz – 2.0kHz	8 – 40	6	3	●
7	EQ high frequency	500Hz – 16.0kHz	28 – 58	7	3	●
8	Input mode	mono/stereo	0 – 1	15		●

[98] 2BAND EQ (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	EQ low frequency	32Hz – 2.0kHz	4 – 40	1	3	●
2	EQ low gain	-12dB – +12dB	52 – 76	2		●
3	EQ high frequency	500Hz – 16.0kHz	28 – 58	3	3	●
4	EQ high gain	-12dB – +12dB	52 – 76	4		●

[99] HARMONIC ENHANCER (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	HPF cutoff frequency	500Hz – 16.0kHz	28 – 58	1	3	●
2	Drive	0 – 127	0 – 127	2		●
3	Mix level	0 – 127	0 – 127	3		●

[100] MONO HARMONIC ENHANCER (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	HPF cutoff frequency	500Hz – 16.0kHz	28 – 58	1	3	●
2	Drive	0 – 127	0 – 127	2		●
3	Mix level	0 – 127	0 – 127	3		●

[101] VOICE CANCEL (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Low adjust	0 – 26	0 – 26	11		●
2	High adjust	0 – 26	0 – 26	12		●

[102] AMBIENCE (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Delay time	0.0ms – 50.0ms	0 – 127	1	2	
3	Wet output phase	normal/inverse	0 – 1	2		●
4	EQ low frequency	32Hz – 2.0kHz	4 – 40	6	3	●
5	EQ low gain	-12dB – +12dB	52 – 76	7		●
6	EQ high frequency	500Hz – 16.0kHz	28 – 58	8	3	●
7	EQ high gain	-12dB – +12dB	52 – 76	9		●

[103] TALKING MODULATOR (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Vowel	a/i/u/e/o	0 – 4	1		●
2	Move speed	1 – 62	1 – 62	2		●
3	Drive	0 – 127	0 – 127	3		●
4	Output Level	0 – 127	0 – 127	4		●

[104] BEAT CHANGE (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	BeatChange	-63 – +63	1 – 127	1		●
3	Beat Range	0 – 12	0 – 12	2		●
4	PitchChange	-63 – +63	1 – 127	3		●
5	Pitch Range	0 – 12	0 – 12	4		●
6	Accuracy Type	sound4 – normal – rhythm4	0 – 8	5		●
7	EQ Frequency	32Hz – 2.0kHz	4 – 40	6	3	●
8	EQ Gain	-12dB – +12dB	52 – 76	7		●
9	EQ Width	1.0 – 12.0	10 – 120	8		●

[105] RING MODULATOR (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Carrier Freq Course	0.5-5kHz	0 – 127	1		●
3	Carrier Freq Fine	0 – 127	0 – 127	2		●
4	LFO Wave	tri, sine	0 – 1	3		●
5	LFO Depth	0 – 127	0 – 127	4		●
6	LFO Speed	0.0Hz – 39.70Hz	0 – 127	5	1	●
7	HPF Cutoff Frequency	20Hz – 8.0kHz	0 – 52	6	3	●
8	LPF Cutoff Frequency	1.0kHz – 20.0kHz	34 – 60	7	3	●
9	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	13	3	●
10	EQ Low Gain	-12dB – +12dB	52 – 76	14		●
11	EQ High Frequency	500Hz – 16.0kHz	28 – 58	15	3	●
12	EQ High Gain	-12dB – +12dB	52 – 76	16		●

[106] DYNAMIC RING MODULATOR (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / Wet Balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Sensitivity	0 – 127	0 – 127	1		●
3	HPF Cutoff Frequency	20Hz – 8.0kHz	0 – 52	2	3	●
4	LPF Cutoff Frequency	1.0kHz – 20.0kHz	34 – 60	3	3	●
5	Attack Time	0.3ms – 227ms	0 – 127	4		●
6	Release Time	2.6ms – 2171ms	0 – 127	5		●
7	Release Curve	0 – 127	0 – 127	6		●
8	Direction	up, down	0 – 1	7		●
9	Dyna Threshold Level	0 – 127	0 – 127	8		●
10	Dyna Level Offset	0 – 127	0 – 127	9		●
11	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	13	3	●
12	EQ Low Gain	-12dB – +12dB	52 – 76	14		●
13	EQ High Frequency	500Hz – 16.0kHz	28 – 58	15	3	●
14	EQ High Gain	-12dB – +12dB	52 – 76	16		●

[107] DYNAMIC FILTER (Insertion Block Only)

No.	Parameter	Range	Value	MIDI Parameter No.	Table	CtrlSet Dest
1	Dry / wet balance	D63>W – D=W – D<W63	1 – 127	10		●
2	Filter Type	LPF(12dB), LPF(18dB), LPF(24dB), HPF, BPF, BEF	0 – 5	1		●
3	Sensitivity	0 – 127	0 – 127	2		●
4	Dyna Level Offset	0 – 127	0 – 127	3		●
5	Resonance	-16 – +111	0 – 127	4		●
6	Attack Time	0.3ms – 227ms	0 – 127	5		●
7	Release Time	2.6ms – 2171ms	0 – 127	6		●
8	Release Curve	0 – 127	0 – 127	7		●
9	Direction	up, down	0 – 1	8		●
10	Dyna Threshold Level	0 – 127	0 – 127	9		●
11	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	13	3	●
12	EQ Low Gain	-12dB – +12dB	52 – 76	14		●
13	EQ High Frequency	500Hz – 16.0kHz	28 – 58	15	3	●
14	EQ High Gain	-12dB – +12dB	52 – 76	16		●

Effect Data Assign Table

Table#1
LFO Frequency

Data	Value	Data	Value
0	0.00	64	2.69
1	0.04	65	2.78
2	0.08	66	2.86
3	0.13	67	2.94
4	0.17	68	3.03
5	0.21	69	3.11
6	0.25	70	3.20
7	0.29	71	3.28
8	0.34	72	3.37
9	0.38	73	3.45
10	0.42	74	3.53
11	0.46	75	3.62
12	0.51	76	3.70
13	0.55	77	3.87
14	0.59	78	4.04
15	0.63	79	4.21
16	0.67	80	4.37
17	0.72	81	4.54
18	0.76	82	4.71
19	0.80	83	4.88
20	0.84	84	5.05
21	0.88	85	5.22
22	0.93	86	5.38
23	0.97	87	5.55
24	1.01	88	5.72
25	1.05	89	6.06
26	1.09	90	6.39
27	1.14	91	6.73
28	1.18	92	7.07
29	1.22	93	7.40
30	1.26	94	7.74
31	1.30	95	8.08
32	1.35	96	8.41
33	1.39	97	8.75
34	1.43	98	9.08
35	1.47	99	9.42
36	1.51	100	9.76
37	1.56	101	10.1
38	1.60	102	10.8
39	1.64	103	11.4
40	1.68	104	12.1
41	1.72	105	12.8
42	1.77	106	13.5
43	1.81	107	14.1
44	1.85	108	14.8
45	1.89	109	15.5
46	1.94	110	16.2
47	1.98	111	16.8
48	2.02	112	17.5
49	2.06	113	18.2
50	2.10	114	19.5
51	2.15	115	20.9
52	2.19	116	22.2
53	2.23	117	23.6
54	2.27	118	24.9
55	2.31	119	26.2
56	2.36	120	27.6
57	2.40	121	28.9
58	2.44	122	30.3
59	2.48	123	31.6
60	2.52	124	33.0
61	2.57	125	34.3
62	2.61	126	37.0
63	2.65	127	39.7

Table#2
Modulation Delay Offset

Data	Value	Data	Value
0	0.0	64	6.4
1	0.1	65	6.5
2	0.2	66	6.6
3	0.3	67	6.7
4	0.4	68	6.8
5	0.5	69	6.9
6	0.6	70	7.0
7	0.7	71	7.1
8	0.8	72	7.2
9	0.9	73	7.3
10	1.0	74	7.4
11	1.1	75	7.5
12	1.2	76	7.6
13	1.3	77	7.7
14	1.4	78	7.8
15	1.5	79	7.9
16	1.6	80	8.0
17	1.7	81	8.1
18	1.8	82	8.2
19	1.9	83	8.3
20	2.0	84	8.4
21	2.1	85	8.5
22	2.2	86	8.6
23	2.3	87	8.7
24	2.4	88	8.8
25	2.5	89	8.9
26	2.6	90	9.0
27	2.7	91	9.1
28	2.8	92	9.2
29	2.9	93	9.3
30	3.0	94	9.4
31	3.1	95	9.5
32	3.2	96	9.6
33	3.3	97	9.7
34	3.4	98	9.8
35	3.5	99	9.9
36	3.6	100	10.0
37	3.7	101	11.1
38	3.8	102	12.2
39	3.9	103	13.3
40	4.0	104	14.4
41	4.1	105	15.5
42	4.2	106	17.1
43	4.3	107	18.6
44	4.4	108	20.2
45	4.5	109	21.8
46	4.6	110	23.3
47	4.7	111	24.9
48	4.8	112	26.5
49	4.9	113	28.0
50	5.0	114	29.6
51	5.1	115	31.2
52	5.2	116	32.8
53	5.3	117	34.3
54	5.4	118	35.9
55	5.5	119	37.5
56	5.6	120	39.0
57	5.7	121	40.6
58	5.8	122	42.2
59	5.9	123	43.7
60	6.0	124	45.3
61	6.1	125	46.9
62	6.2	126	48.4
63	6.3	127	50.0

Table#3
EQ Frequency

Data	Value
0	THRU(20)
1	22
2	25
3	28
4	32
5	36
6	40
7	45
8	50
9	56
10	63
11	70
12	80
13	90
14	100
15	110
16	125
17	140
18	160
19	180
20	200
21	225
22	250
23	280
24	315
25	355
26	400
27	450
28	500
29	560
30	630
31	700
32	800
33	900
34	1.0k
35	1.1k
36	1.2k
37	1.4k
38	1.6k
39	1.8k
40	2.0k
41	2.2k
42	2.5k
43	2.8k
44	3.2k
45	3.6k
46	4.0k
47	4.5k
48	5.0k
49	5.6k
50	6.3k
51	7.0k
52	8.0k
53	9.0k
54	10.0k
55	11.0k
56	12.0k
57	14.0k
58	16.0k
59	18.0k
60	THRU(20.0k)

Table#4
Reverb Time

Data	Value
0	0.3
1	0.4
2	0.5
3	0.6
4	0.7
5	0.8
6	0.9
7	1.0
8	1.1
9	1.2
10	1.3
11	1.4
12	1.5
13	1.6
14	1.7
15	1.8
16	1.9
17	2.0
18	2.1
19	2.2
20	2.3
21	2.4
22	2.5
23	2.6
24	2.7
25	2.8
26	2.9
27	3.0
28	3.1
29	3.2
30	3.3
31	3.4
32	3.5
33	3.6
34	3.7
35	3.8
36	3.9
37	4.0
38	4.1
39	4.2
40	4.3
41	4.4
42	4.5
43	4.6
44	4.7
45	4.8
46	4.9
47	5.0
48	5.5
49	6.0
50	6.5
51	7.0
52	7.5
53	8.0
54	8.5
55	9.0
56	9.5
57	10.0
58	11.0
59	12.0
60	13.0
61	14.0
62	15.0
63	16.0

Data	Value
64	17.0
65	18.0
66	19.0
67	20.0
68	25.0
69	30.0

Table#5
Delay Time (0.1~200.0 [ms])

Data	Value	Data	Value
0	0.1	64	100.8
1	1.7	65	102.4
2	3.2	66	104.0
3	4.8	67	105.6
4	6.4	68	107.1
5	8.0	69	108.7
6	9.5	70	110.3
7	11.1	71	111.9
8	12.7	72	113.4
9	14.3	73	115.0
10	15.8	74	116.6
11	17.4	75	118.2
12	19.0	76	119.7
13	20.6	77	121.3
14	22.1	78	122.9
15	23.7	79	124.4
16	25.3	80	126.0
17	26.9	81	127.6
18	28.4	82	129.2
19	30.0	83	130.7
20	31.6	84	132.3
21	33.2	85	133.9
22	34.7	86	135.5
23	36.3	87	137.0
24	37.9	88	138.6
25	39.5	89	140.2
26	41.0	90	141.8
27	42.6	91	143.3
28	44.2	92	144.9
29	45.7	93	146.5
30	47.3	94	148.1
31	48.9	95	149.6
32	50.5	96	151.2
33	52.0	97	152.8
34	53.6	98	154.4
35	55.2	99	155.9
36	56.8	100	157.5
37	58.3	101	159.1
38	59.9	102	160.6
39	61.5	103	162.2
40	63.1	104	163.8
41	64.6	105	165.4
42	66.2	106	166.9
43	67.8	107	168.5
44	69.4	108	170.1
45	70.9	109	171.7
46	72.5	110	173.2
47	74.1	111	174.8
48	75.7	112	176.4
49	77.2	113	178.0
50	78.8	114	179.5
51	80.4	115	181.1
52	81.9	116	182.7
53	83.5	117	184.3
54	85.1	118	185.8
55	86.7	119	187.4
56	88.2	120	189.0
57	89.8	121	190.6
58	91.4	122	192.1
59	93.0	123	193.7
60	94.5	124	195.3
61	96.1	125	196.9
62	97.7	126	198.4
63	99.3	127	200.0

**Table#6
Room Size**

Data	Value
0	0.1
1	0.3
2	0.4
3	0.6
4	0.7
5	0.9
6	1.0
7	1.2
8	1.4
9	1.5
10	1.7
11	1.8
12	2.0
13	2.1
14	2.3
15	2.5
16	2.6
17	2.8
18	2.9
19	3.1
20	3.2
21	3.4
22	3.5
23	3.7
24	3.9
25	4.0
26	4.2
27	4.3
28	4.5
29	4.6
30	4.8
31	5.0
32	5.1
33	5.3
34	5.4
35	5.6
36	5.7
37	5.9
38	6.1
39	6.2
40	6.4
41	6.5
42	6.7
43	6.8
44	7.0

**Table#7
Delay Time (0.1~400.0 [ms])**

Data	Value	Data	Value
0	0.1	64	201.6
1	3.2	65	204.8
2	6.4	66	207.9
3	9.5	67	211.1
4	12.7	68	214.2
5	15.8	69	217.4
6	19.0	70	220.5
7	22.1	71	223.7
8	25.3	72	226.8
9	28.4	73	230.0
10	31.6	74	233.1
11	34.7	75	236.3
12	37.9	76	239.4
13	41.0	77	242.6
14	44.2	78	245.7
15	47.3	79	248.9
16	50.5	80	252.0
17	53.6	81	255.2
18	56.8	82	258.3
19	59.9	83	261.5
20	63.1	84	264.6
21	66.2	85	267.7
22	69.4	86	270.9
23	72.5	87	274.0
24	75.7	88	277.2
25	78.8	89	280.3
26	82.0	90	283.5
27	85.1	91	286.6
28	88.3	92	289.8
29	91.4	93	292.9
30	94.6	94	296.1
31	97.7	95	299.2
32	100.9	96	302.4
33	104.0	97	305.5
34	107.2	98	308.7
35	110.3	99	311.8
36	113.5	100	315.0
37	116.6	101	318.1
38	119.8	102	321.3
39	122.9	103	324.4
40	126.1	104	327.6
41	129.2	105	330.7
42	132.4	106	333.9
43	135.5	107	337.0
44	138.6	108	340.2
45	141.8	109	343.3
46	144.9	110	346.5
47	148.1	111	349.6
48	151.2	112	352.8
49	154.4	113	355.9
50	157.5	114	359.1
51	160.7	115	362.2
52	163.8	116	365.4
53	167.0	117	368.5
54	170.1	118	371.7
55	173.3	119	374.8
56	176.4	120	378.0
57	179.6	121	381.1
58	182.7	122	384.3
59	185.9	123	387.4
60	189.0	124	390.6
61	192.2	125	393.7
62	195.3	126	396.9
63	198.5	127	400.0

**Table#8
Compressor Attack Time**

Data	Value
0	1
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	10
10	12
11	14
12	16
13	18
14	20
15	23
16	26
17	30
18	35
19	40

**Table#9
Compressor Release Time**

Data	Value
0	10
1	15
2	25
3	35
4	45
5	55
6	65
7	75
8	85
9	100
10	115
11	140
12	170
13	230
14	340
15	680

**Table#10
Compressor Ratio**

Data	Value
0	1.0
1	1.5
2	2.0
3	3.0
4	5.0
5	7.0
6	10.0
7	20.0

**Table#11
Reverb Width; Depth; Height**

Data	Value	Data	Value
0	0.5	64	17.6
1	0.8	65	17.9
2	1.0	66	18.2
3	1.3	67	18.5
4	1.5	68	18.8
5	1.8	69	19.1
6	2.0	70	19.4
7	2.3	71	19.7
8	2.6	72	20.0
9	2.8	73	20.2
10	3.1	74	20.5
11	3.3	75	20.8
12	3.6	76	21.1
13	3.9	77	21.4
14	4.1	78	21.7
15	4.4	79	22.0
16	4.6	80	22.4
17	4.9	81	22.7
18	5.2	82	23.0
19	5.4	83	23.3
20	5.7	84	23.6
21	5.9	85	23.9
22	6.2	86	24.2
23	6.5	87	24.5
24	6.7	88	24.9
25	7.0	89	25.2
26	7.2	90	25.5
27	7.5	91	25.8
28	7.8	92	26.1
29	8.0	93	26.5
30	8.3	94	26.8
31	8.6	95	27.1
32	8.8	96	27.5
33	9.1	97	27.8
34	9.4	98	28.1
35	9.6	99	28.5
36	9.9	100	28.8
37	10.2	101	29.2
38	10.4	102	29.5
39	10.7	103	29.9
40	11.0	104	30.2
41	11.2		
42	11.5		
43	11.8		
44	12.1		
45	12.3		
46	12.6		
47	12.9		
48	13.1		
49	13.4		
50	13.7		
51	14.0		
52	14.2		
53	14.5		
54	14.8		
55	15.1		
56	15.4		
57	15.6		
58	15.9		
59	16.2		
60	16.5		
61	16.8		
62	17.1		
63	17.3		

**Table#12
Tempo**

Data	Value	Data	Value
0	32th/3	64	4thX51
1	64th.	65	4thX52
2	32nd	66	4thX53
3	16th/3	67	4thX54
4	32nd.	68	4thX55
5	16th	69	4thX56
6	8th/3	70	4thX57
7	16th.	71	4thX58
8	8th	72	4thX59
9	4th/3	73	4thX60
10	8th.	74	4thX61
11	4th	75	4thX62
12	2nd/3	76	4thX63
13	4th.	77	4thX64
14	2nd		
15	1st/3		
16	2nd.		
17	4thX4		
18	4thX5		
19	4thX6		
20	4thX7		
21	4thX8		
22	4thX9		
23	4thX10		
24	4thX11		
25	4thX12		
26	4thX13		
27	4thX14		
28	4thX15		
29	4thX16		
30	4thX17		
31	4thX18		
32	4thX19		
33	4thX20		
34	4thX21		
35	4thX22		
36	4thX23		
37	4thX24		
38	4thX25		
39	4thX26		
40	4thX27		
41	4thX28		
42	4thX29		
43	4thX30		
44	4thX31		
45	4thX32		
46	4thX33		
47	4thX34		
48	4thX35		
49	4thX36		
50	4thX37		
51	4thX38		
52	4thX39		
53	4thX40		
54	4thX41		
55	4thX42		
56	4thX43		
57	4thX44		
58	4thX45		
59	4thX46		
60	4thX47		
61	4thX48		
62	4thX49		
63	4thX50		

Table#13
Modulation Phase

Data	Value
0	-180
1	-158
2	-135
3	-113
4	-90
5	-68
6	-45
7	-23
8	0
9	23
10	45
11	68
12	90
13	113
14	135
15	158
16	180

Table#14
Multi Compressor Gain (dB)

Data	Value
0	-∞
1	-60
2	-57
3	-54
4	-51
5	-48
6	-45
7	-42
8	-39
9	-36
10	-33
11	-30
12	-27
13	-24
14	-23
15	-22
16	-21
17	-20
18	-19
19	-18
20	-17
21	-16
22	-15
23	-14
24	-13
25	-12
26	-11
27	-10
28	-9
29	-8
30	-7
31	-6
32	-5
33	-4
34	-3
35	-2
36	-1
37	0
38	1
39	2
40	3
41	4
42	5
43	6
44	7
45	8
46	9
47	10
48	11
49	12
50	13
51	14
52	15
53	16
54	17
55	18

Table#15
Divide Frequency (Hz)

Data	Value 1	Value 2
0	32	1.2k
1	32	1.6k
2	32	2.0k
3	32	2.5k
4	32	3.2k
5	32	4.0k
6	32	5.0k
7	32	6.3k
8	32	8.0k
9	32	10.0k
10	63	1.2k
11	63	1.6k
12	63	2.0k
13	63	2.5k
14	63	3.2k
15	63	4.0k
16	63	5.0k
17	63	6.3k
18	63	8.0k
19	63	10.0k
20	80	1.2k
21	80	1.6k
22	80	2.0k
23	80	2.5k
24	80	3.2k
25	80	4.0k
26	80	5.0k
27	80	6.3k
28	80	8.0k
29	80	10.0k
30	125	1.2k
31	125	1.6k
32	125	2.0k
33	125	2.5k
34	125	3.2k
35	125	4.0k
36	125	5.0k
37	125	6.3k
38	125	8.0k
39	125	10.0k
40	160	1.2k
41	160	1.6k
42	160	2.0k
43	160	2.5k
44	160	3.2k
45	160	4.0k
46	160	5.0k
47	160	6.3k
48	160	8.0k
49	160	10.0k
50	250	1.2k
51	250	1.6k
52	250	2.0k
53	250	2.5k
54	250	3.2k
55	250	4.0k
56	250	5.0k
57	250	6.3k
58	250	8.0k
59	250	10.0k
60	315	1.2k
61	315	1.6k
62	315	2.0k
63	315	2.5k

Data	Value 1	Value 2
64	315	3.2k
65	315	4.0k
66	315	5.0k
67	315	6.3k
68	315	8.0k
69	315	10.0k
70	500	1.2k
71	500	1.6k
72	500	2.0k
73	500	2.5k
74	500	3.2k
75	500	4.0k
76	500	5.0k
77	500	6.3k
78	500	8.0k
79	500	10.0k
80	630	1.2k
81	630	1.6k
82	630	2.0k
83	630	2.5k
84	630	3.2k
85	630	4.0k
86	630	5.0k
87	630	6.3k
88	630	8.0k
89	630	10.0k

Assign A/B DESTINATION

No.	Display	Description
0	off	off
1	EQLow-G	MEQ Low Gain
2	EQLow-F	MEQ Low Frequency
3	EQLow-Q	MEQ Low Q
4	EQLoM-G	MEQ Low Mid Gain
5	EQLoM-F	MEQ Low Mid Frequency
6	EQLoM-Q	MEQ Low Mid Q
7	EQMid-G	MEQ Mid Gain
8	EQMid-F	MEQ Mid Frequency
9	EQMid-Q	MEQ Mid Q
10	EQHiM-G	MEQ High Mid Gain
11	EQHiM-F	MEQ High Mid Frequency
12	EQHiM-Q	MEQ High Mid Q
13	EQHighG	MEQ High Gain
14	EQHighF	MEQ High Frequency
15	EQHighQ	MEQ High Q
16	REV-P1	Reverb Parameter 1
:	:	:
31	REV-P16	Reverb Parameter 16
32	REV-Rtn	Reverb Return
33	REV-Pan	Reverb Pan
34	CHO-P1	Chorus Parameter 1
:	:	:
49	CHO-P16	Chorus Parameter 16
50	CHO-Rtn	Chorus Return
51	CHO-Pan	Chorus Pan
52	Cho>Rev	Send Chorus To Reverb
53	ARP-Typ	Arpeggio Type
54	ARP-Unt	Arpeggio Unit Multiply
55	ARP-Vel	Arpeggio Velocity Rate
56	ARP-Gat	Arpeggio Gate Time Rate
57	Tempo	Arpeggio Tempo
58	AEG-Atk	AEG Attack Time
59	AEG-Dcy	AEG Decay Time
60	AEG-Sus	AEG Sustain Level
61	AEG-Rel	AEG Release Time
62	FEG-Atk	FEG Attack Time
63	FEG-Dcy	FEG Decay Time
64	FEG-Rel	FEG Release Time
65	FEG-Dpt	FEG Depth
66	Cutoff	Cutoff Frequency
67	Reso	Resonance

VOICE CONTROL SET DESTINATION

No.	Display	Description	Normal	Other
0	-----	off	●	●
1	Volume	Voice Volume	●	●
2	RevSend	Reverb Send	●	●
3	ChoSend	Chorus Send	●	●
4	INS1-P1	Insertion Effect 1 Parameter 1	●	●
:	:	:	:	:
19	INS1P16	Insertion Effect 1 Parameter 16	●	●
20	INS2-P1	Insertion Effect 2 Parameter 1	●	●
:	:	:	:	:
35	INS2P16	Insertion Effect 2 Parameter 16	●	●
36	CLFOSpd	Common LFO Speed	●	–
37	CLFO-D1	Common LFO Depth1	●	–
38	CLFO-D2	Common LFO Depth2	●	–
39	CLFO-D3	Common LFO Depth3	●	–
40	PorTime	Portamento Time	●	–
41	ELM-Lvl	Element Level	●	–
42	ELM-Pan	Element Pan	●	–
43	ELM-Dly	Element Key On Delay	●	–
44	ELFOSpd	Element LFO Speed	●	–
45	ELFO-PM	Element LFO Pitch Modulation Depth	●	–
46	ELFO-AM	Element LFO Amplitude Modulation Depth	●	–
47	ELFO-FM	Element LFO Filter Modulation Depth	●	–
48	PCH-Crs	Element Pitch Coarse	●	–
49	PCH-Fin	Element Pitch Fine	●	–
50	PEG-Dpt	Element Pitch EG Depth	●	–
51	PEG-Hld	Element Pitch EG Hold Time	●	–
52	PEG-Atk	Element Pitch EG Attack Time	●	–
53	PEG-D1	Element Pitch EG Decay1 Time	●	–
54	PEG-D2	Element Pitch EG Decay2 Time	●	–
55	PEG-Rel	Element Pitch EG Release Time	●	–
56	AEG-Atk	Element Amplitude EG Attack Time	●	–
57	AEG-D1	Element Amplitude EG Decay1 Time	●	–
58	AEG-D2	Element Amplitude EG Decay2 Time	●	–
59	AEG-Rel	Element Amplitude EG Release Time	●	–
60	FEG-Dpt	Element Filter EG Depth	●	–
61	FEG-Hld	Element Filter EG Hold Time	●	–
62	FEG-Atk	Element Filter EG Attack Time	●	–
63	FEG-D1	Element Filter EG Decay1 Time	●	–
64	FEG-D2	Element Filter EG Decay2 Time	●	–
65	FEG-Rel	Element Filter EG Release Time	●	–
66	FLT-Frq	Element Filter Cutoff Frequency	●	–
67	FLT-Rez	Element Filter Resonance	●	–
68	HPF-Frq	Element HPF Cutoff Frequency	●	–

Arpeggio Type List

Preset1

No.	Name	Type
1	UpOct1	Sq
2	UpOct2	Sq
3	UpOct4	Sq
4	DownOct1	Sq
5	DownOct2	Sq
6	DownOct4	Sq
7	U/DAOct1	Sq
8	U/DAOct2	Sq
9	U/DAOct4	Sq
10	U/DBOct1	Sq
11	U/DBOct2	Sq
12	U/DBOct4	Sq
13	RndmOct1	Sq
14	RndmOct2	Sq
15	RndmOct4	Sq
16	Oct2Up	Sq
17	Oct4Up	Sq
18	UnisonUp	Sq
19	Up&Down1	Sq
20	Up&Down2	Sq
21	Up&Down4	Sq
22	Up&Alt1	Sq
23	Up&Rndm1	Sq
24	Up&Rndm2	Sq
25	Up&Rndm4	Sq
26	ChdAltB1	Sq
27	ChdAltB2	Sq
28	ChdAltB4	Sq
29	ChdRndm1	Sq
30	ChdRndm2	Sq
31	ChdRndm4	Sq
32	Techno A	Ph
33	Techno B	Ph
34	Techno C	Ph
35	DAHouse	Ph
36	SyncopaA	Ph
37	SyncopaB	Ph
38	SyncpEco	Ph
39	TekEchoA	Ph
40	TekEchoB	Ph
41	PulsLine	Ph
42	SeqS&H A	Ph
43	SeqS&H B	Ph
44	CleanGtA	Ph
45	CleanGtB	Ph
46	CleanGtC	Ph
47	CleanGtD	Ph
48	Pno16Bt	Ph
49	PnoLatin	Ph
50	GruvBass	Ph
51	Ocean	Ph
52	Orbit	Ph
53	X-SweepA	Ph
54	X-SweepB	Ph
55	X-SweepC	Ph
56	Lamb	Ph
57	Thips	Ph
58	Hardcore	Ph
59	Harmo	Ph
60	Ascorbic	Ph
61	Doves	Ph
62	Chodal	Ph
63	Simple	Ph
64	Waggle	Ph

Preset2

No.	Name	Type
65	SuperArp	Ph
66	MuteArpA	Ph
67	MuteArpB	Ph
68	VelGruvA	Ph
69	VelGruvB	Ph
70	SpaceArp	Ph
71	MuteLine	Ph
72	StepLine	Ph
73	AcidLine	Ph
74	SplitArp	Ph
75	Step Seq	Ph
76	PolyArpA	Ph
77	PolyArpB	Ph
78	Ana Seq	Ph
79	Planet	Ph
80	Rosync	Ph
81	StrumArp	Ph
82	Guit1Arp	Ph
83	RolliArp	Ph
84	Guit2Arp	Ph
85	Guit3Arp	Ph
86	Guit4Arp	Ph
87	Harp Arp	Ph
88	BigBeatA	Dr
89	BigBeatB	Dr
90	BigBeatC	Dr
91	BigBeatD	Dr
92	Rock A	Dr
93	Rock B	Dr
94	Rock C	Dr
95	BigBeatE	Dr
96	BigBeatF	Dr
97	BigBeatG	Dr
98	BigBeatH	Dr
99	BigBeatI	Dr
100	BrkTrnce	Dr
101	House A	Dr
102	House B	Dr
103	House C	Dr
104	Garage	Dr
105	House D	Dr
106	House E	Dr
107	HipHop A	Dr
108	JazzHop	Dr
109	Abstract	Dr
110	LoBeat A	Dr
111	LoBeat B	Dr
112	LoBeat C	Dr
113	LoBeat D	Dr
114	LoBeat E	Dr
115	LoBeat F	Dr
116	DrumnBsA	Dr
117	DrumnBsB	Dr
118	Linear	Dr
119	08beat A	Sp
120	08beat B	Sp
121	08beat C	Sp
122	16beat A	Sp
123	16beat B	Sp
124	1Bar	Sp
125	1BarRndm	Sp
126	GateCutA	Ct
127	GateCutB	Ct
128	GateCutC	Ct

No.	Name	Type
1	Strum A	Ph
2	Strum B	Ph
3	Strum C	Ph
4	Strum D	Ph
5	Strum E	Ph
6	Strum F	Ph
7	Strum G	Ph
8	Strum H	Ph
9	Strum I	Ph
10	Strum J	Ph
11	LatinPHA	Ph
12	LatinPHB	Ph
13	LatinPHC	Ph
14	Funky A	Ph
15	Funky B	Ph
16	Funky C	Ph
17	Funky D	Ph
18	RockGtrA	Ph
19	RockGtrB	Ph
20	RockGtrC	Ph
21	Lick A	Ph
22	Lick B	Ph
23	Lick C	Ph
24	Lick D	Ph
25	Lick E	Ph
26	Lick F	Ph
27	News A	Ph
28	News B	Ph
29	Fugue	Ph
30	AcidBs A	Ph
31	AcidBs B	Ph
32	SlapBs A	Ph
33	SlapBs B	Ph
34	Walkin	Ph
35	Trill A	Ph
36	Trill B	Ph
37	Trill C	Ph
38	FlutterA	Ph
39	FlutterB	Ph
40	FlutterC	Ph
41	Flute A	Ph
42	Flute B	Ph
43	Flute C	Ph
44	Cresendo	Ph
45	MOD A	Ph
46	MOD B	Ph
47	MOD C	Ph
48	Pickin A	Ph
49	Pickin B	Ph
50	Pickin C	Ph
51	ArmDown	Ct
52	BendVib	Ct
53	BotDwVib	Ct
54	BotUpVib	Ct
55	CHVib	Ct
56	HamVib	Ct
57	PullVibA	Ct
58	PullVibB	Ct
59	SlideVib	Ct
60	Trill D	Ct
61	Trill E	Ct
62	UDCHVib	Ct
63	Vibra A	Ct
64	Vibra B	Ct

No.	Name	Type
65	FlipHopA	Dr
66	FlipHopB	Dr
67	FlipHopC	Dr
68	FlipHopD	Dr
69	GangstaA	Dr
70	GangstaB	Dr
71	GangstaC	Dr
72	GangstaD	Dr
73	i-Hop A	Dr
74	i-Hop B	Dr
75	i-Hop C	Dr
76	i-Hop D	Dr
77	R&BSmthA	Dr
78	R&BSmthB	Dr
79	R&BSmthC	Dr
80	R&BSmthD	Dr
81	House F	Dr
82	House G	Dr
83	House H	Dr
84	Funk A	Dr
85	Funk B	Dr
86	Funk C	Dr
87	Funk D	Dr
88	Gospel A	Dr
89	Gospel B	Dr
90	Bebop A	Dr
91	Bebop B	Dr
92	PopRckAA	Dr
93	PopRckAB	Dr
94	PopRckAC	Dr
95	PopRckAD	Dr
96	PopRckBA	Dr
97	PopRckBB	Dr
98	PopRckBC	Dr
99	PopRckBD	Dr
100	MondoRkA	Dr
101	MondoRkB	Dr
102	MondoRkC	Dr
103	MondoRkD	Dr
104	BalladAA	Dr
105	BalladAB	Dr
106	BalladAC	Dr
107	BalladAD	Dr
108	BalladBA	Dr
109	BalladBB	Dr
110	Roll A	Dr
111	Roll B	Dr
112	Roll C	Dr
113	Roll D	Dr
114	Latin A	Dr
115	Latin B	Dr
116	Latin C	Dr
117	Latin D	Dr
118	Latin E	Dr
119	DrumnBsC	Dr
120	DrumnBsD	Dr
121	DrumnBsE	Dr
122	DrumnBsF	Dr
123	DrumnBsG	Dr
124	EuroTekA	Dr
125	EuroTekB	Dr
126	EuroTekC	Dr
127	EuroTekD	Dr
128	EuroTekE	Dr

Audition Phrase List

No.	Name
1	Ap Balld1
2	Ap Balld2
3	Ap Balld3
4	Ap Clasic
5	Ap Houze
6	Ap House
7	Ap Hntonk
8	Ap Jazz1
9	Ap Jazz2
10	Ap Rock1
11	Ba Acoust
12	Ba Analog
13	Ba BoomBx
14	Ba Brief
15	Ba Dark
16	Ba Frtles
17	Ba Gnarl
18	Ba OldHse
19	Ba R'n'B
20	Ba Rock1
21	Ba Rock2
22	Ba Seq1
23	Ba Seq2
24	Ba Seq3
25	Ba Seq4
26	Ba Seq5
27	Ba Slap
28	Ba Smooth
29	Ba Techno
30	Ba Termin
31	Br FanFr1
32	Br FanFr2
33	Br FanFr3
34	Br Horn
35	Br Sect
36	Br SftEns
37	Br Synth
38	Br Tbone
39	Br Trmpet
40	Br Trpnte
41	Br Tuba
42	Br Tutti
43	Co AhDnce
44	Co BassLd
45	Co Holidy
46	Co JapnAp
47	Co MGulAp
48	Co MinArp
49	Co PingPg
50	Co Rabbt
51	Co ShprAp
52	Co Sorted
53	Co SpcRun
54	Co TitnAp
55	Co VceCui
56	Co VinArp
57	Co WscrAp
58	Cp Steel
59	Dr 16bt1
60	Dr 16bt2
61	Dr AfroAp
62	Dr Agogo
63	Dr Bossa
64	Dr Brush

No.	Name
65	Dr D'n'B1
66	Dr D'n'B2
67	Dr D'n'B3
68	Dr Dub
69	Dr DubKit
70	Dr Esnare
71	Dr EthnAp
72	Dr Funk1
73	Dr Funk2
74	Dr Hhop1
75	Dr Hhop2
76	Dr Hhop3
77	Dr Hhop4
78	Dr Hhop5
79	Dr House
80	Dr Jazz1
81	Dr Jazz2
82	Dr Latin1
83	Dr Latin2
84	Dr Latin3
85	Dr Orch
86	Dr Percus
87	Dr R'n'B1
88	Dr R'n'B2
89	Dr R'n'B3
90	Dr Rock1
91	Dr Rock2
92	Dr Rock3
93	Dr Rock4
94	Dr Snares
95	Dr Techno
96	Dr Toms
97	Dr TribAp
98	Ep Acid
99	Ep Ballad
100	Ep County
101	Ep DXbal1
102	Ep DXbal2
103	Ep Dyna
104	Ep IcePno
105	Ep epPad
106	Ep Rhodes
107	Ep Wurlly1
108	Ep Wurlly2
109	Gt 12strg
110	Gt Banjo
111	Gt BassLd
112	Gt ChsAp2
113	Gt ChsAp1
114	Gt ChStrt
115	Gt Clean
116	Gt FlkApg
117	Gt FnkApg
118	Gt FunkAp
119	Gt Grung1
120	Gt Grung2
121	Gt Grung3
122	Gt Jazz1
123	Gt Jazz2
124	Gt Latin
125	Gt Lead1
126	Gt Lead2
127	Gt Lead3
128	Gt Lead4

No.	Name
129	Gt Mute1
130	Gt Mute2
131	Gt Nylapg
132	Gt RckaBl
133	Gt Sitar
134	Gt Spank
135	Gt Spansh
136	Gt StrApg
137	Gt Strum
138	Gt TexMex
139	Gt Thug
140	Gt WahWah
141	Kb Clav1
142	Kb Clav2
143	Kb Clav3
144	Kb Comp
145	Ld Lead1
146	Ld Lead2
147	Ld Lead3
148	Ld Lead4
149	Ld Lead5
150	Ld Lead6
151	Ld Lead7
152	Me Champ1
153	Me D or A
154	Me EtnlAp
155	Me SiamAp
156	Or Barock
157	Or Bird
158	Or Bossa1
159	Or Church
160	Or Circus
161	Or Funk
162	Or Gospl1
163	Or House
164	Or Jazz1
165	Or Jazz2
166	Or Ohpipe
167	Or Pipe
168	Or Rock1
169	Or Rock2
170	Or Shufle
171	Or Tango
172	Pc BaliAp
173	Pc Celest
174	Pc Dulcim
175	Pc Glock
176	Pc Harpsi
177	Pc IndApg
178	Pc Kalmba
179	Pc Koto
180	Pc Mbox1
181	Pc Mbox2
182	Pc Marmb1
183	Pc Marmb2
184	Pc Shami1
185	Pc Tbell1
186	Pc Tbell2
187	Pc TripAp
188	Pc Vibe
189	Pc Xylo
190	Pd Bronx
191	Pd Chord1
192	Pd Chord2

No.	Name
193	Pd Chord3
194	Pd Ethnic
195	Pd FstAk1
196	Pd FstAk2
197	Pd FstAk3
198	Pd Glass1
199	Pd Glass2
200	Pd Glass3
201	Pd NewAge
202	Pd PrcVox
203	Pd Slow1
204	Pd Slow2
205	Pd Slow3
206	Pd Swell1
207	Pd Swell2
208	Pd Vox1
209	Pd Vox2
210	Pd withMW
211	Ph Seq1
212	Ph Seq2
213	Ph Seq3
214	Ph Seq4
215	Ph Seq5
216	Ph Seq6
217	Ph Seq7
218	Ph Seq8
219	Ph Seq9
220	Ph Seq10
221	Ph Seq11
222	Ph Seq12
223	Pk Harp
224	Rd AltSax
225	Rd BarSax
226	Rd Clarin
227	Rd Harp1
228	Rd Harp2
229	Rd SaxEns
230	Rd SprSax
231	Rp Shanai
232	Sc Poly1
233	Sc Poly2
234	Sc Poly3
235	Sc Poly4
236	Se Amoeba
237	Se Choper
238	Se Frets
239	Se Goa
240	Se Gunsht
241	Se Phone
242	Se Racer
243	Se S'n'H
244	Se Tweet
245	St BckGnd
246	St BigEn1
247	St BigEn2
248	St Bigfst
249	St BigStr
250	St BrsStr
251	St Cbass1
252	St Cbass2
253	St Cello
254	St Fiddle
255	St Pizz
256	St Quart1

No.	Name
257	St Quart2
258	St Sitar
259	St Viola
260	St Violn1
261	St Violn2
262	Ww BagPip
263	Ww Bottle
264	Ww Ensbble
265	Ww Flute1
266	Ww Flute2
267	Ww Flute3
268	Ww Shaka1
269	Ww Shaka2
270	Ww Whstle
271	Cd 1 note
272	Cd maj
273	Cd maj6
274	Cd maj7
275	Cd maj9
276	Cd min
277	Cd min7
278	Cd 7
279	Cd 7+9
280	Cd 7-9
281	Cd 79+11
282	Cd 11
283	Cd 13
284	Cd dim
285	Cd sus4

MIDI Data Format

(1) TRANSMIT FLOW

MIDI OUT	<-- [SW1] -->	NOTE ON/OFF	9nH
	+++ [SW5] --	BANK SEL MSB	BnH, 00H
		BANK SEL LSB	BnH, 20H
	+++ [SW6] --	PROGRAM CHANGE	CnH
	+++ [SW2] -----	SYSTEM REALTIME MESSAGE	
		TIMING CLOCK	F8H
	+	ACTIVE SENSING	FEH
	+++ [SW3] -+++ [SW4] --	<BULK DUMP>	F0H 43H 0nH 6FH bhH b1H ahH amH a1H ddH - ddH cCH F7H
	+++ [SW4] --	<PARAMETER CHANGE>	F0H 43H 1nH 6FH ahH amH a1H ddH - ddH F7H
	+	SYSTEM EXCLUSIVE MESSAGE	
		IDENTITY REPLY	F0H 7EH 7FH 06H 02H 43H 00H 41H 58H 04H 00H 00H 00H 7FH F7H

- [SW1] MIDI Transmit Channel
- [SW2] MIDI Sync
- [SW3] MIDI Device Number
When set to all, data is transmitted only via Device Number 1.
- [SW4] In the Voice mode, only Voice-related data can be transmitted.
In the Multi mode, only Multi-related data can be transmitted.
The System data can be transmitted/recognized in any mode.
- [SW5] SYSTEM Bank Select Switch
- [SW6] SYSTEM Program Change Switch

(2) RECEIVE FLOW

MIDI IN	>-- [SW8] -----	NOTE OFF	8nH
	+	NOTE ON/OFF	9nH
	+	CONTROL CHANGE	
		MODULATION	BnH, 01H
		PORTAMENTO TIME	BnH, 05H
		DATA ENTRY MSB	BnH, 06H
		DATA ENTRY LSB	BnH, 26H
		MAIN VOLUME	BnH, 07H
		PAN	BnH, 0AH
		EXPRESSION	BnH, 0BH
		SUSTAIN SWITCH	BnH, 40H
		PORTAMENTO SWITCH	BnH, 41H
		SOSTENUTO	BnH, 42H
		HARMONIC CONTENT	BnH, 47H
		EG RELEASE TIME	BnH, 48H
		EG ATTACK TIME	BnH, 49H
		BRIGHTNESS	BnH, 4AH
		EG DECAY TIME	BnH, 4BH
		EFFECT1 DEPTH	BnH, 5BH
		EFFECT3 DEPTH	BnH, 5DH
		DATA ENTRY INC	BnH, 60H
		DATA ENTRY DEC	BnH, 61H
		ALL SOUND OFF	BnH, 78H
		ASSIGNABLE CONTROLLER	BnH, (00H - 5FH)
		NRPN	BnH, 62H, 63H *2
		RPN	
		PITCH BEND SENS.	BnH, 64H, 00H, 65H, 00H, 06H, mmH
		FINE TUNING	BnH, 64H, 01H, 65H, 00H, 06H, mmH, 26H, 11H *1
		COARSE TUNING	BnH, 64H, 02H, 65H, 00H, 06H, mmH *1
		RPN RESET	BnH, 64H, 7FH, 65H, 7FH
	+++ [SW1] --	EG SUSTAIN LEVEL	BnH, 1FH
	+++ [SW5] --	BANK SEL MSB	BnH, 00H
		BANK SEL LSB	BnH, 20H
	+	CHANNEL MODE MESSAGE	
		RESET ALL CONTROLLERS	BnH, 79H
		OMNI MODE OFF	BnH, 7CH
		OMNI MODE ON	BnH, 7DH
		MONO MODE ON	BnH, 7EH
		POLY MODE ON	BnH, 7FH
	+++ [SW6] --	PROGRAM CHANGE	CnH
	+	CHANNEL AFTER TOUCH	DnH
	+	PITCH BEND CHANGE	EnH
	+++ [SW2] -----	SYSTEM REALTIME MESSAGE	
		TIMING CLOCK	F8H
	+	ACTIVE SENSING	FEH
	+++ [SW3] -+++ [SW4] --	SYSTEM EXCLUSIVE MESSAGE	
		MIDI MASTER VOLUME	F0H 7FH 7FH 04H 01H 11H mmH F7H
	+++ [SW7] --	<BULK DUMP>	F0H 43H 0nH 6FH bhH b1H ahH amH a1H ddH - ddH cCH F7H *3 F0H 43H 0nH 6BH bhH b1H ahH amH a1H ddH - ddH cCH F7H
	+++ [SW4] --	<PARAMETER CHANGE>	F0H 43H 1nH 6FH ahH amH a1H ddH - ddH F7H
	+++ [SW4] --	<BULK DUMP REQUEST>	F0H 43H 2nH 6FH ahH amH a1H ddH - ddH F7H
	+++ [SW4] --	<PARAMETER REQUEST>	F0H 43H 3nH 6FH ahH amH a1H F7H
	+++ [SW9] --	XG SYSTEM ON	F0H 43H 1nH 4CH 00H 00H 7EH 00H F7H
	+++ [SW9] --	GM MODE ON	F0H 7EH 7FH 09H 01H F7H
	+	SYSTEM EXCLUSIVE MESSAGE	
		IDENTITY REQUEST	F0H 7EH 0nH 06H 01H F7H

- [SW1] MIDI Control Mode
- [SW2] MIDI Sync (can be set to "internal" or "MIDI")
- [SW3] MIDI Device Number
When this is not set to off, the MIDI Master Volume can be recognized in any mode.
- [SW4] In the Voice mode, only Voice-related data can be transmitted.
In the Multi mode, only Multi-related data can be transmitted.
The System data can be transmitted/recognized in any mode.
- [SW5] SYSTEM Bank Select Switch
- [SW6] SYSTEM Program Change Switch
- [SW7] SYSTEM Bulk Protect and same as SW6.
- [SW8] MIDI Receive Channel and Receive Filter
In the Multi mode, this is the same as the Part Receive Channel and Part Receive Switch settings.
In other modes, this is the same as the Basic Receive Channel setting.
- [SW9] SYSTEM Receive GM/XG On

*1: Multi Mode Only
*2: Available only for the Plug-in voices
*3: The messages of CS6x Plug-in voice (Model ID=0x64) can be recognized.

(3) TRANSMIT/RECEIVE DATA

(3-1) CHANNEL VOICE MESSAGES

(3-1-1) NOTE OFF

STATUS 1000nnnn (8nH) n = 0 - 15 CHANNEL NUMBER
 NOTE No. 0kkkkkkk k = 0(C-2) - 127(G8)
 VELOCITY 0vvvvvvv v: ignored
 Receive only.

(3-1-2) NOTE ON/OFF

STATUS 1001nnnn (9nH) n = 0 - 15 CHANNEL NUMBER
 NOTE NUMBER 0kkkkkkk k = 0(C-2) - 127(G8)
 VELOCITY NOTE ON 0vvvvvvv (v≠0)
 NOTE OFF 0vvvvvvv (v=0)

(3-1-3) CONTROL CHANGE

STATUS 1011nnnn (BnH) n = 0 - 15 CHANNEL NUMBER
 CONTROL NUMBER 0ccccccc c = CONTROL NUMBER
 CONTROL VALUE 0vvvvvvv v = DATA VALUE

- * TRANSMITTED CONTROL NUMBER
- c = 0 BANK SEL MSB ;v = 0 - 127 *3
 - c = 32 BANK SEL LSB ;v = 0 - 127 *3
- * RECEIVED CONTROL NUMBER
- c = 0 BANK SEL MSB ;v = 0 - 127 *3
 - c = 32 BANK SEL LSB ;v = 0 - 127 *3
 - c = 1 MODULATION ;v = 0 - 127 *2
 - c = 5 PORTAMENTO TIME ;v = 0 - 127 *1
 - c = 6 DATA ENTRY MSB ;v = 0 - 127 *1
 - c = 38 DATA ENTRY LSB ;v = 0 - 127 *1
 - c = 7 MAIN VOLUME ;v = 0 - 127
 - c = 10 PAN ;v = 0 - 127
 - c = 11 EXPRESSION ;v = 0 - 127
 - c = 31 EG SUSTAIN LEVEL ;v = 0:-64 - 64:0 - 127:+63 *2,*5
 - c = 64 SUSTAIN SWITCH ;v = 0 - 63:OFF, 64 - 127:ON
 - c = 65 PORTAMENTO SWITCH ;v = 0 - 63:OFF, 64 - 127:ON *2
 - c = 66 SOSTENUTO ;v = 0 - 63:OFF, 64 - 127:ON
 - c = 71 HARMONIC CONTENT ;v = 0:-64 - 64:0 - 127:+63 *2
 - c = 72 EG RELEASE TIME ;v = 0:-64 - 64:0 - 127:+63
 - c = 73 EG ATTACK TIME ;v = 0:-64 - 64:0 - 127:+63
 - c = 74 BRIGHTNESS ;v = 0:-64 - 64:0 - 127:+63
 - c = 75 EG DECAY TIME ;v = 0:-64 - 64:0 - 127:+63
 - c = 91 EFFECT1 DEPTH ;v = 0 - 127
 - c = 93 EFFECT3 DEPTH ;v = 0 - 127
 - c = 96 DATA ENTRY INC ;v = 127 *1
 - c = 97 DATA ENTRY DEC ;v = 127 *1
 - c = 0..95 ASSIGNABLE CONTROLLER ;v = 0 - 127 *6
 - c = 0..95 ARPEGGIO SW ;v = 0 - 63:OFF, 64 - 127:ON *6
 - c = 0..95 ARPEGGIO HOLD ;v = 0 - 63:OFF, 64 - 127:ON *6

*1 Used only when a value is set using RPN
 *2 Invalid with Drum Voices
 *3 Relation between BANK CHANGE and PROGRAM is as follows:

CATEGORY	MSB	LSB	PROGRAM No.
GM Voice	0	0	0 - 127 (1 - 128)
GM Drum Voice	127	0	0 (1)
Normal Voice Preset 1	63	0	0 - 127 (1 - 128)
Preset 2	63	1	0 - 127 (1 - 128)
Preset 3	63	2	0 - 127 (1 - 128)
Preset 4	63	3	0 - 127 (1 - 128)
Preset 5	63	4	0 - 127 (1 - 128)
User1	63	8	0 - 127 (1 - 128)
User2	63	9	0 - 127 (1 - 128)
Drum Voice Preset	63	32	0 - 47 (1 - 48)
User	63	40	0 - 31 (1 - 32)
Plug-in Voice User 1	63	24	0 - 63 (1 - 64)
User 2	63	25	0 - 63 (1 - 64)
Multi User	63	65	0 - 127 (1 - 128)
Plug-in Voice Preset 1(Slot1)	63	70	0 - 63 (1 - 64) *4
Preset 2(Slot1)	63	71	0 - 63 (1 - 64) *4
Preset 3(Slot1)	63	72	0 - 63 (1 - 64) *4
Preset 1(Slot2)	63	73	0 - 63 (1 - 64) *4
Preset 2(Slot2)	63	74	0 - 63 (1 - 64) *4
Preset 3(Slot2)	63	75	0 - 63 (1 - 64) *4

*4 Can be selected only when the corresponding Plug-in board has been installed.
 *5 Transmitted/received only when MODE2 is selected in CONTROL CHANGE MODE.
 *6 The default CONTROL NUMBERS of ASSIGNABLE CONTROLLER are as follows:

BREATH CONTROLLER	2
FOOT CONTROLLER	4
Assign 1	16
Assign 2	17
Assign A	18
Assign B	19
FOOT SWITCH	88
ARPEGGIO HOLD	89
ARPEGGIO SWITCH	90

PORTAMENTO TIME sets the time it takes for the pitch to reach the next note played when PORTAMENTO SWITCH is set to on.
 PAN position relatively changes according to the preset value for each voice.
 EFFECT1 DEPTH controls reverb send level.
 EFFECT3 DEPTH controls chorus send level.
 HARMONIC CONTENT adjusts the resonance preset for each voice.
 Setting a value adds to or subtracts from the center value 64, since this is an offset parameter.
 The larger the value, the more resonance in the sound. The effective range may be narrower than the range you can specify, depending on the selected voice.
 The parameters, EG ATTACK TIME, EG DECAY TIME, EG SUSTAIN LEVEL, EG RELEASE TIME adjust the envelopes that are preset for each voice.
 Setting these values adds to or subtracts from the center value 64, since these are offset parameters.
 BRIGHTNESS adjusts the cutoff frequency preset for each voice.
 Setting a value adds to or subtracts from the center value 64, since it is an offset parameter.
 The smaller the value, the lower the cutoff frequency. The effective range may be narrower than the range you can specify, depending on the selected voice.
 Bank Select will be actually executed when the Program Change message is received.
 Bank Select and Program Change numbers that are not supported by Yamaha will be ignored, but transmitted to the Plug-in board.

(3-1-4) PROGRAM CHANGE

STATUS 1100nnnn (CnH) n = 0 - 15 CHANNEL NUMBER
 PROGRAM NUMBER 0ppppppp p = 0 - 127

(3-1-5) CHANNEL AFTER TOUCH

STATUS 1101nnnn (DnH) n = 0 - 15 CHANNEL NUMBER
 VALUE 0vvvvvvv v = 0 - 127 AFTER TOUCH VALUE

(3-1-6) PITCH BEND CHANGE

STATUS 1110nnnn (EnH) n = 0 - 15 CHANNEL NUMBER
 LSB 0vvvvvvv PITCH BEND CHANGE LSB
 MSB 0vvvvvvv PITCH BEND CHANGE MSB
 Transmitted with a resolution of 7 bit.

(3-2) CHANNEL MODE MESSAGES

STATUS 1011nnnn (BnH) n = 0 - 15 CHANNEL NUMBER
 CONTROL NUMBER 0ccccccc c = CONTROL NUMBER
 CONTROL VALUE 0vvvvvvv v = DATA VALUE

(3-2-1) ALL SOUND OFF (CONTROL NUMBER = 78H, DATA VALUE = 0)

All the sounds currently played including the channel messages such as note-on in a certain channel are muted when receiving this message.

(3-2-2) RESET ALL CONTROLLERS (CONTROL NUMBER = 79H, DATA VALUE = 0)

Resets the values set for the following controllers.

PITCH BEND CHANGE	0 (center)
CHANNEL AFTER TOUCH	0 (minimum)
MODULATION	0 (minimum)
EXPRESSION	127 (maximum)
BREATH CONTROLLER	127 (maximum)
FOOT CONTROLLER	127 (maximum)
Assign A	0 (center)
Assign B	0 (center)
Assign 1	0 (center)
Assign 2	0 (center)
SUSTAIN SWITCH	0 (off)
SOSTENUTO SWITCH	0 (off)
RPN	Not assigned; No change

The following data is not reset:
 PROGRAM CHANGE, BANK SELECT MSB/LSB, VOLUME, PAN, HARMONIC CONTENT, SUSTAIN LEVEL, RELEASE TIME, ATTACK TIME, DECAY TIME, BRIGHTNESS, EFFECT SEND LEVEL 1, EFFECT SEND LEVEL 3, PORTAMENTO SWITCH, PITCH BEND SENSITIVITY, FINE TUNING, COARSE TUNING

(3-2-3) ALL NOTE OFF (CONTROL NUMBER = 7BH, DATA VALUE = 0)

All the notes currently set to on in certain channel(s) are muted when receiving this message. However, if Sustain or Sostenuto is on, notes will continue to sound until these are turned off.

(3-2-4) OMNI MODE OFF (CONTROL NUMBER = 7CH, DATA VALUE = 0)

Performs the same function as when receiving ALL NOTES OFF.
 Sets VOICE RECEIVE CHANNEL to "OMNI OFF" channel 1.

(3-2-5) OMNI MODE ON (CONTROL NUMBER = 7DH, DATA VALUE = 0)

Performs the same function as when receiving ALL NOTES OFF.
 Sets VOICE RECEIVE CHANNEL to "OMNI ON."

(3-2-6) MONO (CONTROL NUMBER = 7EH, DATA VALUE = 0..16)

Performs the same function as when receiving ALL SOUNDS OFF. If the 3rd byte (mono) is within 0 through 16, the channel will be set to Mode4 (m=1).
 In the Voice mode, the mode can be set to Mode2 (m=1) according to VOICE RECEIVE CHANNEL.

(3-2-7) POLY (CONTROL NUMBER = 7FH, DATA VALUE = 0)

Performs the same function as when receiving ALL SOUNDS OFF. The channel will be Mode3.
 In the Voice mode, the mode can be set to Mode1 according to VOICE RECEIVE CHANNEL.

(3-3) REGISTERED PARAMETER NUMBER

STATUS 1011nnnn (BnH) n = 0-15 CHANNEL NUMBER
 LSB 01100100 (64H)
 RPN LSB 0ppppppp p = RPN LSB
 (Refer to the table as shown below)

MSB 01100101 (65H)
 RPN MSB 0qqqqqqq q = RPN MSB
 (Refer to the table as shown below)

DATA ENTRY MSB 00000110 (06H)
 DATA VALUE 0mmmmmmmm m = Data Value
 DATA ENTRY LSB 00100110 (26H)
 DATA VALUE 01111111 l = Data Value

First, specify the parameter using RPN MSB/LSB numbers. Then, set its value with data entry MSB/LSB.

RPN	D.ENTRY	LSB MSB	MSB LSB	PARAMETER NAME	DATA RANGE
00H 00H	mmH ---			PITCH BEND SENSITIVITY	00H - 18H (0 - 24 semitones)
01H 00H	mmH 11H			MASTER FINE TUNE	{mmH, 11H} = {00H, 00H} - {40H, 00H} - {7FH, 7FH} - (8192*100/8192) - 0 - (+8192*100/8192)
02H 00H	mmH ---			MASTER COARSE TUNE	28H - 40H - 58H (-24 - 0 - +24 semitones)
7FH 7FH	---	---	---	RPN RESET	RPN numbers will be left not specified. The internal values are not affected.

(3-4) NON-REGISTERED PARAMETER NUMBER

There are no applicable parameters.
 These are transmitted to the Plug-in board.

(3-5) SYSTEM REAL TIME MESSAGES

(3-5-1) ACTIVE SENSING

STATUS 11111110 (FEH)

Transmitted every 200 msec.

Once this code is received, the instrument starts sensing. When no status nor data is received for over approximately 350 ms, MIDI receiving buffer will be cleared, and the sounds currently played and the sustain switch are forcibly turned off. In this case, each control data will be reset to a certain value.

(3-6-6) PARAMETER REQUEST

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0011nnnn	3n	Device Number
01101111	6F	Model ID
0aaaaaaaa	aaaaaaa	Address High
0aaaaaaaa	aaaaaaa	Address Mid
0aaaaaaaa	aaaaaaa	Address Low
11110111	F7	End of Exclusive

See the following MIDI Data Table for Address.

(3-6) SYSTEM EXCLUSIVE MESSAGE

(3-6-1) UNIVERSAL NON REALTIME MESSAGE

(3-6-1-1) GENERAL MIDI MODE ON

F0H 7EH 7FH 09H 01H F7H

Received only when SYSTEM Receive GM/XG on is set to on in MULTI MODE.
The Part values will be reset according to the SYSTEM Internal Part settings.

(3-6-1-2) IDENTITY REQUEST (Receive only)

F0H 7EH 0nH 06H 01H F7H

("n" = Device No. However, this instrument receives under "omni.")

(3-6-1-3) IDENTITY REPLY (Transmit only)

F0H 7EH 7FH 06H 02H 43H 00H 41H ddH ddH 00H 00H 00H 7FH F7H

dd: Device Number Code

MOTIF-RACK: 58 04

(3-6-2) UNIVERSAL REALTIME MESSAGE

(3-6-2-1) MIDI MASTER VOLUME

F0H 7FH 7FH 04H 01H 11H mmH F7H

Sets the MASTER VOLUME value.

The value "mm" is used to set the master volume (the value "ll" should be ignored).

(3-6-3) PARAMETER CHANGE

(3-6-3-1) XG SYSTEM ON

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0001nnnn	1n	Device Number
01001100	4C	Model ID
0aaaaaaaa	0	Address High
0aaaaaaaa	0	Address Mid
0aaaaaaaa	7E	Address Low
0	0	Data
11110111	F7	End of Exclusive

Received only when SYSTEM Receive GM/XG on is set to on in MULTI MODE.

Be aware that executing this message takes about 170 ms and that, therefore, a certain interval before executing the following message is needed.

(3-6-3-2) NATIVE PARAMETER CHANGE, MODE CHANGE

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0001nnnn	1n	Device Number
01101111	6F	Model ID
0aaaaaaaa	aaaaaaa	Address High
0aaaaaaaa	aaaaaaa	Address Mid
0aaaaaaaa	aaaaaaa	Address Low
0ddddddd	ddddddd	Data
11110111	F7	End of Exclusive

For parameters with data size of 2 or more, the appropriate number of data bytes will be transmitted.

See the following MIDI Data Table for Address.

(3-6-4) BULK DUMP

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0000nnnn	0n	Device Number
01101111	6F	Model ID
0bbbbbbb	bbbbbbb	Byte Count
0bbbbbbb	bbbbbbb	Byte Count
0aaaaaaaa	aaaaaaa	Address High
0aaaaaaaa	aaaaaaa	Address Mid
0aaaaaaaa	aaaaaaa	Address Low
0	0	Data
0ccccccc	ccccccc	Check-sum
11110111	F7	End of Exclusive

See the following MIDI Data Table for Address and Byte Count.

The Check sum is the value that results in a value of 0 for the lower 7 bits when the Byte Count, Start Address, Data and Check sum itself are added.

Bulk Dump data of the MOTIF (Model ID=0x6B) can be received.

(3-6-5) DUMP REQUEST

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0010nnnn	2n	Device Number
01101111	6F	Model ID
0aaaaaaaa	aaaaaaa	Address High
0aaaaaaaa	aaaaaaa	Address Mid
0aaaaaaaa	aaaaaaa	Address Low
11110111	F7	End of Exclusive

See the following MIDI Data Table for Address and Byte Count.

MIDI Data Table

Bank Select

Available Bank Select/Program Change

MSB	(HEX)	LSB	(HEX)	Program No.	Type	Memory	Description	
0	00	0	00	0 – 127	Normal Voice	GM Voice		
127	7F	0	00	0	Drum Voice	GM Drum		
63	3F	0	00	0 – 127	Normal Voice	Preset 1	Plug-in Board installed to PLG1 can be selected.	
		1	01	0 – 127		Preset 2		
		2	02	0 – 127		Preset 3		
		3	03	0 – 127		Preset 4		
		4	04	0 – 127		Preset 5		
		8	08	0 – 127		User 1		
		9	09	0 – 127		User 2		
		32	20	0 – 47		Drum Voice		Preset
		40	28	0 – 15				User
		24	18	0 – 63	Plug-in Voice	User 1 (PLG1)		Plug-in Board installed to PLG2 can be selected.
		25	19	0 – 63		User 2 (PLG2)		
		70	46	0 – 63		Preset 1 (PLG1)		
		71	47	0 – 63		Preset 2 (PLG1)		
		72	48	0 – 63		Preset 3 (PLG1)		
		73	49	0 – 63		Preset 1 (PLG2)		
74	4A	0 – 63	Preset 2 (PLG2)					
75	4B	0 – 63	Preset 3 (PLG2)					
Depending on the installed Plug-in Board.				Plug-in Direct	-			
63	3F	65	41	0 – 127	Multi	User (Internal)		

When only a Program Change message is received after entering any of the modes, the corresponding voice in the currently selected Type/Memory is called up.
The Multi/Voice mode can be changed only via the Parameter Change.

<Table 1>

Parameter Base Address

MODEL ID = 0x6F

Parameter Block	Top Address			Description
	H	M	L	
	SYSTEM	00	00	
	00	10	00	Plug-in Board Native System
	00	20	00	Master EQ for Voice
MODE CHANGE	0A	00	00	Mode Change
BULK CONTROL	0E	00	00	Header
	0F	00	00	Footer
MULTIPLE BULK CONTROL	10	00	00	Header
	11	00	00	Footer*
NORMAL VOICE COMMON	40	00	00	Common1
	40	00	40	Common2
	40	01	00	Reverb
	40	02	00	Chorus
	40	03	00	Insertion 1
	40	04	00	Insertion 2
	40	05	00	Controller
	40	06	00	LFO
	40	07	00	Audition
	40	70	00	Extra
NORMAL VOICE ELEMENT GROUP1	41	ee	00	ee: Element No.
NORMAL VOICE ELEMENT GROUP2	42	ee	00	ee: Element No.
NORMAL VOICE ELEMENT GROUP3	43	ee	00	ee: Element No.
NORMAL VOICE ELEMENT GROUP4	44	ee	00	ee: Element No.
DRUM COMMON	46	00	00	Common1
	46	00	40	Common2
	46	01	00	Reverb
	46	02	00	Chorus
	46	03	00	Insertion 1
	46	04	00	Insertion 2
	46	05	00	Controller
	46	06	00	Audition
	46	70	00	Extra
	DRUM ELEMENT GROUP1	47	ee	00
DRUM ELEMENT GROUP2	48	ee	00	ee: Element No.
DRUM ELEMENT GROUP3	49	ee	00	ee: Element No.
DRUM ELEMENT GROUP4	4A	ee	00	ee: Element No.
VOICE PLUG-IN	4C	00	00	Common
	4C	01	00	Reverb
	4C	02	00	Chorus
	4C	03	00	Insertion 1
	4C	04	00	Insertion 2
	4C	05	00	Controller
	4C	06	00	Audition
	4C	10	00	Plug-in XG Part
	4C	20	00	Native
	4C	70	00	Extra
Multi	36	00	00	Multi Common
	37	00	00	Part 1
				:
	37	0F	00	Part 16
	37	60	00	Plug-in 1 Part
				Plug-in 2 Part

*By using this message, you can store the received Bulk data (including User Voice/Multi data and System data) and prevent it from being lost, even when the power is turned off.

<Table 2>

Bulk Dump Block

MODEL ID = 0x6F

"Top Address" indicates the top address of each block designated by bulk dump operation.

"Byte Count" indicates the data size contained in each block designated by bulk dump operation.

To execute 1 Multi / 1 Voice bulk dump request, specify its corresponding Bulk Header address.

For the information about "mm" and "nn" shown in the following list, refer to MIDI PARAMETER CHANGE TABLE (BULK CONTROL) below.

Parameter Block	Description	Byte Count		Top Address		
		Dec	Hex	H	M	L
SYSTEM	System	60	003C	00	00	00
	Plug-in Board Native System	48	0030	00	10	00
	Master EQ (for Voice Mode)	20	0014	00	20	00

Parameter Block	Description	Byte Count		Top Address			
		Dec	Hex	H	M	L	
VOICE (NORMAL)	Bulk Header	0	00	0E	mm	nn	
COMMON	Extra	66	0042	40	70	00	
	Common 1	15	000F	40	00	00	
	Common 2	4	0004	40	00	40	
	Reverb	36	0024	40	01	00	
	Chorus	37	0025	40	02	00	
	Insertion 1	34	0022	40	03	00	
	Insertion 2	34	0022	40	04	00	
	Controller	30	001E	40	05	00	
	LFO	38	0026	40	06	00	
	Audition	4	0004	40	07	00	
	ELEMENT 1	Oscillator	29	001D	41	00	00
		Amplitude	30	001E	41	00	20
		Pitch	30	001E	42	00	00
		Filter	50	0032	43	00	00
EQ		8	0008	44	00	00	
LFO		8	0008	44	00	40	
ELEMENT 2	Oscillator	29	001D	41	01	00	
	Amplitude	30	001E	41	01	20	
	Pitch	30	001E	42	01	00	
	Filter	50	0032	43	01	00	
	EQ	8	0008	44	01	00	
ELEMENT 3	LFO	8	0008	44	01	40	
	Oscillator	29	001D	41	02	00	
	Amplitude	30	001E	41	02	20	
	Pitch	30	001E	42	02	00	
	Filter	50	0032	43	02	00	
ELEMENT 4	EQ	8	0008	44	02	00	
	LFO	8	0008	44	02	40	
	Oscillator	29	001D	41	03	00	
	Amplitude	30	001E	41	03	20	
	Pitch	30	001E	42	03	00	
ELEMENT 4	Filter	50	0032	43	03	00	
	EQ	8	0008	44	03	00	
	LFO	8	0008	44	03	40	
	Bulk Footer	0	00	0F	mm	nn	

Parameter Block	Description	Byte Count		Top Address			
		Dec	Hex	H	M	L	
VOICE (DRUM)	Bulk Header	0	00	0E	mm	nn	
COMMON	Extra	66	0042	46	70	00	
	Common 1	8	0008	46	00	00	
	Common 2	4	0004	46	00	40	
	Reverb	36	0024	46	01	00	
	Chorus	37	0025	46	02	00	
	Insertion 1	34	0022	46	03	00	
	Insertion 2	34	0022	46	04	00	
	Controller	30	001E	46	05	00	
	Audition	4	0004	46	06	00	
	KEY C 0	Oscillator	19	0013	47	00	00
		Amplitude	12	000C	47	00	20
		Pitch	3	0003	48	00	00
		Filter	8	0008	49	00	00
		EQ	8	0008	4A	00	00
:		73 Blocks		:	:	:	
KEY C 6	Oscillator	19	0013	47	48	00	
	Amplitude	12	000C	47	48	20	
	Pitch	3	0003	48	48	00	
	Filter	8	0008	49	48	00	
	EQ	8	0008	4A	48	00	
	Bulk Footer	0	00	0F	mm	nn	

Parameter Block	Description	Byte Count	Hex	H	M	L
VOICE (PLUG-IN)	Bulk Header	0	00	0E	mm	nn
COMMON	Extra	66	0042	4C	70	00
	Common	13	000D	4C	00	00
	Reverb	36	0024	4C	01	00
	Chorus	37	0025	4C	02	00
	Insertion 1	34	0022	4C	03	00
	Insertion 2	34	0022	4C	04	00
	Controller	10	000A	4C	05	00
	Audition	4	0004	4C	06	00
	Plug-in XG Part	35	0023	4C	10	00
	Native	68	0044	4C	20	00
	Bulk Footer	0	00	0F	mm	nn

Parameter Block	Description	Byte Count	Hex	H	M	L	
MULTI	Bulk Header	0	00	0E	mm	nn	
COMMON	Common	88	0058	36	00	00	
	Reverb	36	0024	36	01	00	
	Chorus	37	0025	36	02	00	
	Master EQ	20	0014	36	10	00	
	PART	Part 1	58	003A	37	00	00
		:	16 Blocks		:	:	:
PLUG-IN PART	Part 16	58	003A	37	0F	00	
	Plug-in 1 Part	58	003A	37	60	00	
	:	2 Blocks		:	:	:	
	Plug-in 2 Part	58	003A	37	61	00	
Bulk Footer	0	00	0F	mm	nn		

<Table 3-1>

MIDI PARAMETER CHANGE TABLE (Mode Change)

MODEL ID = 0x6F

Address	Size	Data Range (HEX)	Parameter Name	Description	Notes	
0A	00	00	1	00 - 7F	reserved	0 - 127
		01	1	00 - 04	MODE CHANGE	0: Voice, 1: Reserved, 2: Reserved, 3: Multi

<Table 3-2>

MIDI PARAMETER CHANGE TABLE (BULK CONTROL)

Address	Size	Data Range (HEX)	Parameter Name	Description	Notes
0E	nn	1	-	Bulk Header	Normal Voice PRE1 (nn = 0 - 127)
01	nn	1	-		Normal Voice PRE2 (nn = 0 - 127)
02	nn	1	-		Normal Voice PRE3 (nn = 0 - 127)
03	nn	1	-		Normal Voice PRE4 (nn = 0 - 127)
04	nn	1	-		Normal Voice PRE5 (nn = 0 - 127)
08	nn	1	-		Normal Voice USER1 (nn = 0 - 127)
09	nn	1	-		Normal Voice USER2 (nn = 0 - 127)
0F	nn	1	-		Normal Voice Edit Buffer (nn = 0)
18	nn	1	-		Plug-in Voice PLG1 (nn = 0 - 63)
19	nn	1	-		Plug-in Voice PLG2 (nn = 0 - 63)
1A	nn	1	-		reserved
1F	nn	1	-		Plug-in Voice Edit Buffer (nn = 0)
20	nn	1	-		Drum Voice PRE (nn = 0 - 47)
28	nn	1	-		Drum Voice USER (nn = 0 - 31)
29	nn	1	-		reserved
2F	nn	1	-		Drum Voice Edit Buffer (nn = 0)
40	nn	1	-		reserved
41	nn	1	-		Multi USER (nn = 0 - 127)
4F	nn	1	-		reserved
5F	nn	1	-		Multi Edit Buffer (nn = 0)
68	nn	1	-		reserved
6F	nn	1	-		reserved
70	nn	1	-		reserved
7F	nn	1	-		reserved
0F	nn	1	-	Bulk Footer	Normal Voice PRE1 (nn = 0 - 127)
01	nn	1	-		Normal Voice PRE2 (nn = 0 - 127)
02	nn	1	-		Normal Voice PRE3 (nn = 0 - 127)
03	nn	1	-		Normal Voice PRE4 (nn = 0 - 127)
04	nn	1	-		Normal Voice PRE5 (nn = 0 - 127)
08	nn	1	-		Normal Voice USER1 (nn = 0 - 127)
09	nn	1	-		Normal Voice USER2 (nn = 0 - 127)
0F	nn	1	-		Normal Voice Edit Buffer (nn = 0)
18	nn	1	-		Plug-in Voice PLG1 (nn = 0 - 63)
19	nn	1	-		Plug-in Voice PLG2 (nn = 0 - 63)
1A	nn	1	-		reserved
1F	nn	1	-		Plug-in Voice Edit Buffer (nn = 0)
20	nn	1	-		Drum Voice PRE (nn = 0 - 47)
28	nn	1	-		Drum Voice USER (nn = 0 - 31)
29	nn	1	-		reserved
2F	nn	1	-		Drum Voice Edit Buffer (nn = 0)
40	nn	1	-		reserved
41	nn	1	-		Multi USER (nn = 0 - 127)
4F	nn	1	-		reserved
5F	nn	1	-		Multi Edit Buffer (nn = 0)
68	nn	1	-		reserved
6F	nn	1	-		reserved
70	nn	1	-		reserved
7F	nn	1	-		reserved

<Table 4>

MIDI PARAMETER CHANGE TABLE (SYSTEM)

MODEL ID = 0x6F

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes		
00	00	00	1	00 - 7F	Master Volume	7F		
		01	1	28 - 58	Master Note Shift	-24 - +24 [semitones]	40	
		02	4	00 - 0F 00 - 0F 00 - 0F 00 - 0F	Master Tune	-102.4 - +102.3 [cent] 1st bit3-0 → bit15-12 2nd bit3-0 → bit11-8 3rd bit3-0 → bit7-4 4th bit3-0 → bit3-0	00 04 00 00 (0400)	
		06	1	00 - 01	Controller Reset	hold, reset	01	
		07	1	35 - 4B	reserved		40	
		08	1	3D - 43	reserved		40	
		09	1		reserved			
		0A	1	00 - 10, 7F	Basic Receive Channel	1 - 16, omni, off	00	
		0B	1	00 - 0F, 7F	Transmit Channel	1 - 16, off	00	
		0C	1		reserved			
		0D	1	00 - 01	reserved		00	
		0E	1	00 - 01	Stereo L&R Output Gain	00: 0dB, 01: +6dB	01	
		0F	1	00 - 01	Assignable Out 1/2 Output Gain	00: 0dB, 01: +6dB	01	
		10	1	00 - 01	Assignable Out 3/4 Output Gain	00: 0dB, 01: +6dB	01	
		11	1		reserved			
		12	1	00 - 04	reserved		00	
		13	1	01 - 7F	reserved		40	
		14	1	00 - 01	Receive GM/XG On for Multi Part PB	off, on	01	
		15	1	00 - 01	Receive/Transmit Bank Select	off, on	01	
		16	1	00 - 01	Receive/Transmit Program Change	off, on	01	
		17	1	00 - 01	MIDI Control Mode	mode 1, mode 2	00	
		18	1	00 - 07	Thru Port for USB	1 - 8	00	
		19	1	00 - 01	MIDI In/Out	MIDI, USB	00	
		1A	1	00 - 03	Effect Bypass for System Effect	bit0: Reverb, bit1: Chorus	03	
		1B	1		reserved		01	
		1C	1	00 - 01	Effect Bypass for Insertion Effect	bit0: Internal	01	
		1D	1	00 - 01	reserved		00	
		1E	1	00 - 01	reserved		00	
		1F	1	00 - 03	Power on Mode	Multi, Voice (INT), Voice (PRE1), GM	02	
		20	1		reserved		00	
		21	1	00 - 02	reserved		00	
		22	1	00 - 02	reserved		00	
		23	1	00 - 01	reserved		00	
		24	1	00 - 01	reserved		00	
		25	1	00 - 01	reserved		01	
		26	1		reserved			
		27	1	00 - 01	reserved		00	
		28	1	00 - 01	reserved		00	
		29	1		reserved			
		2A	1	00 - 43	Assign A Destination	off, 1 - 67	3B	
		2B	1	00 - 43	Assign B Destination	off, 1 - 67	3C	
		2C	1		reserved			
		2D	1	00 - 5F	Assign A Control Number	off, 1 - 95	12	
		2E	1	00 - 5F	Assign B Control Number	off, 1 - 95	13	
		2F	1		reserved		01	
		30	1		reserved		01	
		31	1	00 - 5F	FS Assign	0 - 95	58	
		32	1	00 - 5F	ARP Switch Control Number	off, 1 - 95	5A	
		33	1	00 - 5F	ARP Hold Control Number	off, 1 - 95	59	
		34	1	00 - 01	ARP MIDI Out Switch	off, on	00	For Voice Mode
		35	1	00 - 0F	ARP MIDI Out Channel	1 - 16	00	:
		36	1	00 - 5F	Assign 1 Control Number	off, 1 - 95	10	:
		37	1	00 - 5F	Assign 2 Control Number	off, 1 - 95	11	:
		38	1	00 - 5F	BC Control Number	off, 1 - 95	02	:
		39	1	00 - 5F	FC2 Control Number	off, 1 - 95	04	:
		3A	1	00 - 5F	FC1 Control Number	off, 1 - 95	0B	:
		3B	1		reserved			

TOTAL SIZE = 60 3C (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
00 10 00	16	00 – 7F	Plug-in 1 Native System Parameter	Depends on Plug-in Board	Depends on Plug-in Board	
	10 16	00 – 7F	Plug-in 2 Native System Parameter	Depends on Plug-in Board	Depends on Plug-in Board	
	20 16		reserved			

TOTAL SIZE = 48 30 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
00 20 00	1	34 – 4C	EQ Low Gain	-12 – +12 [dB]	40	For Voice Mode
	01 1	04 – 28	EQ Low Frequency	32 – 2000 [Hz]	0C	:
	02 1	01 – 78	EQ Low Q	0.1 – 12.0	07	:
	03 1	00 – 01	EQ Low Shape	shelv, peak	00	:
	04 1	34 – 4C	EQ Low-Mid Gain	-12 – +12 [dB]	40	:
	05 1	0E – 36	EQ Low-Mid Frequency	100 – 10.0 [kHz]	14	:
	06 1	01 – 78	EQ Low-Mid Q	0.1 – 12.0	07	:
		1 01	reserved		01	
	08 1	34 – 4C	EQ Mid Gain	-12 – +12 [dB]	40	:
	09 1	0E – 36	EQ Mid Frequency	100 – 10.0 [kHz]	1C	:
	0A 1	01 – 78	EQ Mid Q	0.1 – 12.0	07	:
		1	NOT USED			:
	0C 1	34 – 4C	EQ High-Mid Gain	-12 – +12 [dB]	40	:
	0D 1	0E – 36	EQ High-Mid Frequency	100 – 10.0 [kHz]	2C	:
	0E 1	01 – 78	EQ High-Mid Q	0.1 – 12.0	07	:
		1	NOT USED			:
	10 1	34 – 4C	EQ High Gain	-12 – +12 [dB]	40	:
	11 1	1C – 3A	EQ High Frequency	0.5 – 16.0 [kHz]	34	:
	12 1	01 – 78	EQ High Q	0.1 – 12.0	07	:
	13 1	00 – 01	EQ High Shape	shelv, peak	00	:

TOTAL SIZE = 20 14 (HEX)

<Table 5-1>
MIDI PARAMETER CHANGE TABLE
(NORMAL VOICE COMMON)

MODEL IDE = 0x6F

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
40 70 00	1	20 – 7E	Voice Name 1	32 – 126 (ASCII)	Init Voice	
40 70 01	1	20 – 7E	Voice Name 2	32 – 126 (ASCII)	-	
40 70 02	1	20 – 7E	Voice Name 3	32 – 126 (ASCII)	-	
40 70 03	1	20 – 7E	Voice Name 4	32 – 126 (ASCII)	-	
40 70 04	1	20 – 7E	Voice Name 5	32 – 126 (ASCII)	-	
40 70 05	1	20 – 7E	Voice Name 6	32 – 126 (ASCII)	-	
40 70 06	1	20 – 7E	Voice Name 7	32 – 126 (ASCII)	-	
40 70 07	1	20 – 7E	Voice Name 8	32 – 126 (ASCII)	-	
40 70 08	1	20 – 7E	Voice Name 9	32 – 126 (ASCII)	-	
40 70 09	1	20 – 7E	Voice Name 10	32 – 126 (ASCII)	-	
40 70 0A	1		reserved			
40 70 0B	1		reserved			
40 70 0C	1	00 – 10	Voice Category (Main)	0 – 16 (-- Co)	00 (--)	Ap, Kb, Or, Gt, Ba, St, Br, Rp, Ld, Pd, Sc, Cp, Dr, Se, Me, Co
40 70 0D	1	00 – 03	reserved		00	
40 70 0E	1		reserved			
40 70 0F	1		reserved			
40 70 10	1		reserved			
40 70 11	1		reserved			
40 70 12	1		reserved			

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
40 70 13	1	00 – 01	ARP Type Bank	pre1, pre2	00	
40 70 14	1	00 – 7F	ARP Type	UpOct1 – GateCutC	1D	
40 70 15	1	00 – 01	ARP Switch	off, on	00	
40 70 16	1	00 – 02	ARP Hold	sync-off, off, on	01	
40 70 17	1	00 – 06	ARP Unit Multiply	50%, 66%, 75%, 100%, 133%, 150%, 200%	03	
40 70 18	1	00 – 7F	ARP Note Limit Low	C-2 – G8	00	
40 70 19	1	00 – 7F	ARP Note Limit High	C-2 – G8	7F	
40 70 1A	1	01 – 7F	ARP Velocity Limit Low	1 – 127	01	
40 70 1B	1	01 – 7F	ARP Velocity Limit High	1 – 127	7F	
40 70 1C	1	00 – 02	ARP Key Mode	sort, thru, direct	00	
40 70 1D	1	00 – 01	ARP Vel Mode	original, thru	00	
40 70 1E	2	0000 – 00C8	ARP Velocity Rate MSB ARP Velocity Rate LSB	0 – 200%	64	
40 70 20	2	0000 – 00C8	ARP Gate Time Rate MSB ARP Gate Time Rate LSB	0 – 200%	64	
40 70 22	2	0001 – 012C	ARP Tempo MSB ARP Tempo LSB	1 – 300	8A	
40 70 24	1	00 – 04	reserved		02	
40 70 25	1	01 – 7F	Pan	L63 – C – R63	40	
40 70 26	1	40	reserved		40	
40 70 27	1	00 – 7F	Decay Time	-64 – +63	40	
40 70 28	1	00 – 7F	Sustain Level	-64 – +63	40	
40 70 29	1	00 – 7F	FEG Attack Time	-64 – +63	40	
40 70 2A	1	00 – 7F	FEG Decay Time	-64 – +63	40	
40 70 2B	1	00 – 7F	FEG Release Time	-64 – +63	40	
40 70 2C	1		reserved			
40 70 2D	1	00 – 7F	FEG Depth	-64 – +63	40	
40 70 2E	1	00 – 7F	Assign A	-64 – +63	40	
40 70 2F	1	00 – 7F	Assign B	-64 – +63	40	
40 70 30	1		reserved			
40 70 31	1	00 – 7F	EQ Low Gain	-64 – +63	40	
40 70 32	1	00 – 7F	EQ Low Mid Gain	-64 – +63	40	
40 70 33	1	00 – 7F	EQ High Mid Gain	-64 – +63	40	
40 70 34	1	00 – 7F	EQ High Gain	-64 – +63	40	
40 70 35	1	00 – 7F	Assign 1	-64 – +63	40	
40 70 36	1	00 – 7F	Assign 2	-64 – +63	40	
40 70 37	1	00 – 7F	Cutoff Frequency	-64 – +63	40	
40 70 38	1	00 – 7F	Resonance	-64 – +63	40	
40 70 39	1	00 – 7F	Attack Time	-64 – +63	40	
40 70 3A	1	00 – 7F	Release Time	-64 – +63	40	
40 70 3B	1		reserved			
40 70 3C	1		reserved			
40 70 3D	1		reserved			
40 70 3E	1		reserved			
40 70 3F	1		reserved			
40 70 40	1		reserved			
40 70 41	1		reserved			

TOTAL SIZE = 66 42 (HEX)

40 00 00	1		reserved			(02)
40 00 01	1	00 – 7F	Volume	0 – 127		7F
40 00 02	1	00 – 01	Same Note Number Key On Assign	single, multi		01
40 00 03	1	00 – 01	Mono/Poly Mode	mono, poly		01
40 00 04	1	00 – 1F	Micro Tuning	Equal – Indian		00
40 00 05	1	10 – 58	Pitch Bend Range Upper	-48 – +24 [semitones]		42
40 00 06	1	10 – 58	Pitch Bend Range Lower	-48 – +24 [semitones]		3E
40 00 07	1	00 – 01	Portamento Mode	fingered, fulltime		01
40 00 08	1	00 – 01	Portamento Switch	off, on		00
40 00 09	1	00 – 7F	Portamento Time	0 – 127		40
40 00 0A	1	00 – 01	Portamento Time Mode	rate, time		00
40 00 0B	1	00 – 7F	Reverb Send	→dB – 0dB		0C
40 00 0C	1	00 – 7F	Chorus Send	→dB – 0dB		00
40 00 0D	1		reserved			(00)
40 00 0E	1		reserved			(7F)

TOTAL SIZE = 15 0F (HEX)

40 00 40	1	00 – 02	Insertion Connect Type	Para, 1→2, 2→1		01
40 00 41	1		reserved			(00)
40 00 42	1		reserved			(00)
40 00 43	1		reserved			(00)

TOTAL SIZE = 4 04 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
40 01 00	2	00 – 7F 00 – 7F	Reverb Type MSB Reverb Type LSB	Refer to Effect Parameter List	0100	
40 01 02	2	00 – 7F 00 – 7F	Reverb Parameter 1 MSB Reverb Parameter 1 LSB	-	init value for hall1	
40 01 04	2	00 – 7F 00 – 7F	Reverb Parameter 2 MSB Reverb Parameter 2 LSB	-	init value for hall1	
40 01 06	2	00 – 7F 00 – 7F	Reverb Parameter 3 MSB Reverb Parameter 3 LSB	-	init value for hall1	
40 01 08	2	00 – 7F 00 – 7F	Reverb Parameter 4 MSB Reverb Parameter 4 LSB	-	init value for hall1	
40 01 0A	2	00 – 7F 00 – 7F	Reverb Parameter 5 MSB Reverb Parameter 5 LSB	-	init value for hall1	
40 01 0C	2	00 – 7F 00 – 7F	Reverb Parameter 6 MSB Reverb Parameter 6 LSB	-	init value for hall1	
40 01 0E	2	00 – 7F 00 – 7F	Reverb Parameter 7 MSB Reverb Parameter 7 LSB	-	init value for hall1	
40 01 10	2	00 – 7F 00 – 7F	Reverb Parameter 8 MSB Reverb Parameter 8 LSB	-	init value for hall1	
40 01 12	2	00 – 7F 00 – 7F	Reverb Parameter 9 MSB Reverb Parameter 9 LSB	-	init value for hall1	
40 01 14	2	00 – 7F 00 – 7F	Reverb Parameter 10 MSB Reverb Parameter 10 LSB	-	init value for hall1	
40 01 16	2	00 – 7F 00 – 7F	Reverb Parameter 11 MSB Reverb Parameter 11 LSB	-	init value for hall1	
40 01 18	2	00 – 7F 00 – 7F	Reverb Parameter 12 MSB Reverb Parameter 12 LSB	-	init value for hall1	
40 01 1A	2	00 – 7F 00 – 7F	Reverb Parameter 13 MSB Reverb Parameter 13 LSB	-	init value for hall1	
40 01 1C	2	00 – 7F 00 – 7F	Reverb Parameter 14 MSB Reverb Parameter 14 LSB	-	init value for hall1	
40 01 1E	2	00 – 7F 00 – 7F	Reverb Parameter 15 MSB Reverb Parameter 15 LSB	-	init value for hall1	
40 01 20	2	00 – 7F 00 – 7F	Reverb Parameter 16 MSB Reverb Parameter 16 LSB	-	init value for hall1	
40 01 22	1	00 – 7F	Reverb Return	-∞dB – 0dB – +6dB (0 – 96 – 127)	40	
40 01 23	1	01 – 7F	Reverb Pan	L63 – C – R63	40	

TOTAL SIZE = 36 24 (HEX)

40 02 00	2	00 – 7F 00 – 7F	Chorus Type MSB Chorus Type LSB	Refer to Effect Parameter List	0500	
40 02 02	2	00 – 7F 00 – 7F	Chorus Parameter 1 MSB Chorus Parameter 1 LSB	-	init value for chorus1	
40 02 04	2	00 – 7F 00 – 7F	Chorus Parameter 2 MSB Chorus Parameter 2 LSB	-	init value for chorus1	
40 02 06	2	00 – 7F 00 – 7F	Chorus Parameter 3 MSB Chorus Parameter 3 LSB	-	init value for chorus1	
40 02 08	2	00 – 7F 00 – 7F	Chorus Parameter 4 MSB Chorus Parameter 4 LSB	-	init value for chorus1	
40 02 0A	2	00 – 7F 00 – 7F	Chorus Parameter 5 MSB Chorus Parameter 5 LSB	-	init value for chorus1	
40 02 0C	2	00 – 7F 00 – 7F	Chorus Parameter 6 MSB Chorus Parameter 6 LSB	-	init value for chorus1	
40 02 0E	2	00 – 7F 00 – 7F	Chorus Parameter 7 MSB Chorus Parameter 7 LSB	-	init value for chorus1	
40 02 10	2	00 – 7F 00 – 7F	Chorus Parameter 8 MSB Chorus Parameter 8 LSB	-	init value for chorus1	
40 02 12	2	00 – 7F 00 – 7F	Chorus Parameter 9 MSB Chorus Parameter 9 LSB	-	init value for chorus1	
40 02 14	2	00 – 7F 00 – 7F	Chorus Parameter 10 MSB Chorus Parameter 10 LSB	-	init value for chorus1	
40 02 16	2	00 – 7F 00 – 7F	Chorus Parameter 11 MSB Chorus Parameter 11 LSB	-	init value for chorus1	
40 02 18	2	00 – 7F 00 – 7F	Chorus Parameter 12 MSB Chorus Parameter 12 LSB	-	init value for chorus1	
40 02 1A	2	00 – 7F 00 – 7F	Chorus Parameter 13 MSB Chorus Parameter 13 LSB	-	init value for chorus1	
40 02 1C	2	00 – 7F 00 – 7F	Chorus Parameter 14 MSB Chorus Parameter 14 LSB	-	init value for chorus1	
40 02 1E	2	00 – 7F 00 – 7F	Chorus Parameter 15 MSB Chorus Parameter 15 LSB	-	init value for chorus1	
40 02 20	2	00 – 7F 00 – 7F	Chorus Parameter 16 MSB Chorus Parameter 16 LSB	-	init value for chorus1	
40 02 22	1	00 – 7F	Chorus Return	-∞dB – 0dB – +6dB (0 – 96 – 127)	60	
40 02 23	1	01 – 7F	Chorus Pan	L63 – C – R63	40	
40 02 24	1	00 – 7F	Send Chorus To Reverb	-∞dB – 0dB (0 – 127)	00	

TOTAL SIZE = 37 25 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
40 03 00	2	00 – 7F 00 – 7F	Insertion 1 Type MSB Insertion 1 Type LSB	Refer to Effect Parameter List	0000	
40 03 02	2	00 – 7F 00 – 7F	Insertion 1 Parameter 1 MSB Insertion 1 Parameter 1 LSB	-	0000	
40 03 04	2	00 – 7F 00 – 7F	Insertion 1 Parameter 2 MSB Insertion 1 Parameter 2 LSB	-	0000	
40 03 06	2	00 – 7F 00 – 7F	Insertion 1 Parameter 3 MSB Insertion 1 Parameter 3 LSB	-	0000	
40 03 08	2	00 – 7F 00 – 7F	Insertion 1 Parameter 4 MSB Insertion 1 Parameter 4 LSB	-	0000	
40 03 0A	2	00 – 7F 00 – 7F	Insertion 1 Parameter 5 MSB Insertion 1 Parameter 5 LSB	-	0000	
40 03 0C	2	00 – 7F 00 – 7F	Insertion 1 Parameter 6 MSB Insertion 1 Parameter 6 LSB	-	0000	
40 03 0E	2	00 – 7F 00 – 7F	Insertion 1 Parameter 7 MSB Insertion 1 Parameter 7 LSB	-	0000	
40 03 10	2	00 – 7F 00 – 7F	Insertion 1 Parameter 8 MSB Insertion 1 Parameter 8 LSB	-	0000	
40 03 12	2	00 – 7F 00 – 7F	Insertion 1 Parameter 9 MSB Insertion 1 Parameter 9 LSB	-	0000	
40 03 14	2	00 – 7F 00 – 7F	Insertion 1 Parameter 10 MSB Insertion 1 Parameter 10 LSB	-	0000	
40 03 16	2	00 – 7F 00 – 7F	Insertion 1 Parameter 11 MSB Insertion 1 Parameter 11 LSB	-	0000	
40 03 18	2	00 – 7F 00 – 7F	Insertion 1 Parameter 12 MSB Insertion 1 Parameter 12 LSB	-	0000	
40 03 1A	2	00 – 7F 00 – 7F	Insertion 1 Parameter 13 MSB Insertion 1 Parameter 13 LSB	-	0000	
40 03 1C	2	00 – 7F 00 – 7F	Insertion 1 Parameter 14 MSB Insertion 1 Parameter 14 LSB	-	0000	
40 03 1E	2	00 – 7F 00 – 7F	Insertion 1 Parameter 15 MSB Insertion 1 Parameter 15 LSB	-	0000	
40 03 20	2	00 – 7F 00 – 7F	Insertion 1 Parameter 16 MSB Insertion 1 Parameter 16 LSB	-	0000	

TOTAL SIZE = 34 22 (HEX)

40 04 00	2	00 – 7F 00 – 7F	Insertion 2 Type MSB Insertion 2 Type LSB	Refer to Effect Parameter List	0000	
40 04 02	2	00 – 7F 00 – 7F	Insertion 2 Parameter 1 MSB Insertion 2 Parameter 1 LSB	-	0000	
40 04 04	2	00 – 7F 00 – 7F	Insertion 2 Parameter 2 MSB Insertion 2 Parameter 2 LSB	-	0000	
40 04 06	2	00 – 7F 00 – 7F	Insertion 2 Parameter 3 MSB Insertion 2 Parameter 3 LSB	-	0000	
40 04 08	2	00 – 7F 00 – 7F	Insertion 2 Parameter 4 MSB Insertion 2 Parameter 4 LSB	-	0000	
40 04 0A	2	00 – 7F 00 – 7F	Insertion 2 Parameter 5 MSB Insertion 2 Parameter 5 LSB	-	0000	
40 04 0C	2	00 – 7F 00 – 7F	Insertion 2 Parameter 6 MSB Insertion 2 Parameter 6 LSB	-	0000	
40 04 0E	2	00 – 7F 00 – 7F	Insertion 2 Parameter 7 MSB Insertion 2 Parameter 7 LSB	-	0000	
40 04 10	2	00 – 7F 00 – 7F	Insertion 2 Parameter 8 MSB Insertion 2 Parameter 8 LSB	-	0000	
40 04 12	2	00 – 7F 00 – 7F	Insertion 2 Parameter 9 MSB Insertion 2 Parameter 9 LSB	-	0000	
40 04 14	2	00 – 7F 00 – 7F	Insertion 2 Parameter 10 MSB Insertion 2 Parameter 10 LSB	-	0000	
40 04 16	2	00 – 7F 00 – 7F	Insertion 2 Parameter 11 MSB Insertion 2 Parameter 11 LSB	-	0000	
40 04 18	2	00 – 7F 00 – 7F	Insertion 2 Parameter 12 MSB Insertion 2 Parameter 12 LSB	-	0000	
40 04 1A	2	00 – 7F 00 – 7F	Insertion 2 Parameter 13 MSB Insertion 2 Parameter 13 LSB	-	0000	
40 04 1C	2	00 – 7F 00 – 7F	Insertion 2 Parameter 14 MSB Insertion 2 Parameter 14 LSB	-	0000	
40 04 1E	2	00 – 7F 00 – 7F	Insertion 2 Parameter 15 MSB Insertion 2 Parameter 15 LSB	-	0000	
40 04 20	2	00 – 7F 00 – 7F	Insertion 2 Parameter 16 MSB Insertion 2 Parameter 16 LSB	-	0000	

TOTAL SIZE = 34 22 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
40 05 00	1	00 - 09	Controller Set 1 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	01	
40 05 01	2	00 00 - 44	Controller Set 1 Destination MSB Controller Set 1 Destination LSB	0 - 68	00	
40 05 03	1	00 - 7F	Controller Set 1 Depth	-64 - +63	40	
40 05 04	1		reserved		(00)	
40 05 05	1	00 - 09	Controller Set 2 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	01	
40 05 06	2	00 00 - 44	Controller Set 2 Destination MSB Controller Set 2 Destination LSB	0 - 68	00	
40 05 08	1	00 - 7F	Controller Set 2 Depth	-64 - +63	40	
40 05 09	1		reserved		(00)	
40 05 0A	1	00 - 09	Controller Set 3 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	01	
40 05 0B	2	00 00 - 44	Controller Set 3 Destination MSB Controller Set 3 Destination LSB	0 - 68	00	
40 05 0D	1	00 - 7F	Controller Set 3 Depth	-64 - +63	40	
40 05 0E	1		reserved		(00)	
40 05 0F	1	00 - 09	Controller Set 4 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	08	
40 05 10	2	00 00 - 44	Controller Set 4 Destination MSB Controller Set 4 Destination LSB	0 - 68	00	
40 05 12	1	00 - 7F	Controller Set 4 Depth	-64 - +63	40	
40 05 13	1		reserved		(00)	
40 05 14	1	00 - 09	Controller Set 5 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	09	
40 05 15	2	00 00 - 44	Controller Set 5 Destination MSB Controller Set 5 Destination LSB	0 - 68	00	
40 05 17	1	00 - 7F	Controller Set 5 Depth	-64 - +63	40	
40 05 18	1		reserved		(00)	
40 05 19	1	00 - 09	Controller Set 6 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	03	
40 05 1A	2	00 00 - 44	Controller Set 6 Destination MSB Controller Set 6 Destination LSB	0 - 68	00	
40 05 1C	1	00 - 7F	Controller Set 6 Depth	-64 - +63	40	
40 05 1D	1		reserved		(00)	

TOTAL SIZE = 30 1E (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
40 06 00	1	00 - 05	LFO Phase	0, 90, 120, 180, 240, 270	00	
40 06 01	1	00 - 0C	LFO Wave	tri, tri+, sawup, sawdwn, squ1/4, squ1/3, squ, squ2/3, squ3/4, trpzd, S/H1, S/H2, user	00	
40 06 02	1	00 - 3F	LFO Speed	0 - 63 (available only when Tempo Sync is set to Off)	20	
40 06 03	1	05 - 15	LFO TEMPO SPEED	5 - 21 (available only when Tempo Sync is set to on)	0B	16th, 8th/3, 16th, 8th, 4th/3, 8th, 4th, 2th/3, 4th, 2nd, Whole/3, 2nd, 4thX4, 4thX6, 4thX6, 4thX7, 4thX8
40 06 04	1	00 - 01	LFO TEMPO SYNC	OFF, ON	00	
40 06 05	1	00 - 7F	LFO Delay Time	0 - 127	00	
40 06 06	1	00 - 7F	LFO Fade In Time	0 - 127	00	
40 06 07	1	00 - 7F	LFO Hold Time	0 - 127	7F	
40 06 08	1	00 - 7F	LFO Fade Out Time	0 - 127	40	
40 06 09	1	00 - 02	LFO Key On Reset	off, each-on, 1st-on	02	
40 06 0A	1	00 - 05	LFO Box 1 Destination	AMD, PMD, FMD, RESO, PAN, ELEMENT LFO SPEED	02	
40 06 0B	1	00 - 7F	LFO Box 1 Depth	0 - 127	00	
40 06 0C	1		reserved		(00)	
40 06 0D	1	00 - 05	LFO Box 2 Destination	AMD, PMD, FMD, RESO, PAN, ELEMENT LFO SPEED	04	
40 06 0E	1	00 - 7F	LFO Box 2 Depth	0 - 127	00	
40 06 0F	1		reserved		(00)	
40 06 10	1	00 - 05	LFO Box 3 Destination	AMD, PMD, FMD, RESO, PAN, ELEMENT LFO SPEED	04	
40 06 11	1	00 - 7F	LFO Box 3 Depth	0 - 127	00	
40 06 12	1		reserved		(00)	
40 06 13	1	00 - 06	USER WAVE TOTAL STEP	2, 3, 4, 6, 8, 12, 16	06	
40 06 14	1	00 - 03	USER WAVE SLOPE	OFF, UP, DOWN, UP&DOWN	00	
40 06 15	1	00 - 7F	USER WAVE STEP VALUE 1	0 - 127	40	
40 06 16	1	00 - 7F	USER WAVE STEP VALUE 2	0 - 127	40	
40 06 17	1	00 - 7F	USER WAVE STEP VALUE 3	0 - 127	40	
40 06 18	1	00 - 7F	USER WAVE STEP VALUE 4	0 - 127	40	

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
40 06 19	1	00 - 7F	USER WAVE STEP VALUE 5	0 - 127	40	
40 06 1A	1	00 - 7F	USER WAVE STEP VALUE 6	0 - 127	40	
40 06 1B	1	00 - 7F	USER WAVE STEP VALUE 7	0 - 127	40	
40 06 1C	1	00 - 7F	USER WAVE STEP VALUE 8	0 - 127	40	
40 06 1D	1	00 - 7F	USER WAVE STEP VALUE 9	0 - 127	40	
40 06 1E	1	00 - 7F	USER WAVE STEP VALUE 10	0 - 127	40	
40 06 1F	1	00 - 7F	USER WAVE STEP VALUE 11	0 - 127	40	
40 06 20	1	00 - 7F	USER WAVE STEP VALUE 12	0 - 127	40	
40 06 21	1	00 - 7F	USER WAVE STEP VALUE 13	0 - 127	40	
40 06 22	1	00 - 7F	USER WAVE STEP VALUE 14	0 - 127	40	
40 06 23	1	00 - 7F	USER WAVE STEP VALUE 15	0 - 127	40	
40 06 24	1	00 - 7F	USER WAVE STEP VALUE 16	0 - 127	40	
40 06 25	1		reserved		(00)	

TOTAL SIZE = 38 26 (HEX)

40 07 00	2	00 - 02 00 - 7F	Audition Phrase Number MSB Audition Phrase Number LSB	000 - 285	00 00	
40 07 02	1	28 - 58	Audition Note Shift	-24 - 24	40	
40 07 03	1		reserved			

TOTAL SIZE = 4 04 (HEX)

<Table 5-2>
**MIDI PARAMETER CHANGE TABLE
(NORMAL VOICE ELEMENT)**

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
41 ee 00	1	00 - 01	ELEMENT ASSIGN	0: OFF, 1: ON	01 (EL1 only)	
41 ee 01	1	00	reserved		00	
41 ee 02	1		reserved		00	
41 ee 03	2	00 - 7F 00 - 7F	Wave Number MSB Wave Number LSB	0 - 1309 1st bit6-0 → bit13-7	00 01	
41 ee 05	1		reserved		(01)	
41 ee 06	1		reserved		(01)	
41 ee 07	1		reserved		(00)	
41 ee 08	1	01 - 7F	Pan	L63 - C - R63	40	
41 ee 09	1	00 - 7F	Random Pan Depth	0 - 127	00	
41 ee 0A	1	00 - 7F	Alternate Pan Depth	L64 - 0 - R63	40	
41 ee 0B	1	00 - 7F	Scaling Pan Depth	-64 - +63	40	
41 ee 0C	1	00 - 7F	Note Limit Low	0 - 127	00	
41 ee 0D	1	00 - 7F	Note Limit High	0 - 127	7F	
41 ee 0E	1	01 - 7F	Velocity Limit Low	1 - 127	01	
41 ee 0F	1	01 - 7F	Velocity Limit High	1 - 127	7F	
41 ee 10	1	00 - 7F	VELOCITY CROSS FADE	0 - 127	00	
41 ee 11	1	00 - 7F	Key On Delay	0 - 127	00	
41 ee 12	1		reserved		(00)	
41 ee 13	1		reserved		(7F)	
41 ee 14	1		reserved		(7F)	
41 ee 15	1	00	reserved		00	
41 ee 16	1	00 - 02	Insertion Effect Switch	thru, ins1, ins2	00	
41 ee 17	1		reserved		(00)	
41 ee 18	2	00 - 00 00 - 3F	CONTROL BOX SW	BIT 0 - 6: RESERVE BIT 0 - 5: BOX 1 - BOX 6, BIT 6: RESERVE	00 20	
41 ee 1A	2	00 - 00 00 - 07	LFO BOX SW	BIT 0 - 6: RESERVE BIT 0 - 2: BOX 1 - BOX 3, BIT 3 - 6: RESERVE	00 07	
41 ee 1C	1		reserved		(0B)	

TOTAL SIZE = 29 1D (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
41 ee 20	1	00-7F	Element Level	0-127	7F	
41 ee 21	1	00-7F	Level Velocity Sensitivity	-64-+63	40	
41 ee 22	1	00-04	LEVEL SENS VELOCITY CURVE	00-04	03	
41 ee 23	1		reserved		(00)	
41 ee 24	1	00-7F	AEG Attack Time	0-127	00	
41 ee 25	1	00-7F	AEG Decay 1 Time	0-127	40	
41 ee 26	1	00-7F	AEG Decay 2 Time	0-127	40	
41 ee 27	1	00-7F	AEG Release Time	0-127	32	
41 ee 28	1	00-7F	AEG Init Level	0-127	00	
41 ee 29	1		reserved		(7F)	
41 ee 2A	1	00-7F	AEG Decay1 Level	0-127	7F	
41 ee 2B	1	00-7F	AEG Decay2 Level	0-127	7F	
41 ee 2C	1		reserved		(00)	
41 ee 2D	1	00-04	AEG Time Velocity Segment	ATK, ATK+DCY, DCY, ATK+RLS, ALL	04	
41 ee 2E	1	00-7F	AEG Time Velocity Sensitivity	-64-+63	40	
41 ee 2F	1	00-7F	Level Key Follow Sensitivity	-200%-+200%	40	
41 ee 30	1	00-7C	Level Scaling Break Point 1	C-2-E8	24	BP1<BP2<BP3<BP4
41 ee 31	1	01-7D	Level Scaling Break Point 2	C ² -2-F8	30	BP1<BP2<BP3<BP4
41 ee 32	1	02-7E	Level Scaling Break Point 3	D-2-F8	3C	BP1<BP2<BP3<BP4
41 ee 33	1	03-7F	Level Scaling Break Point 4	D ² -2-G8	48	BP1<BP2<BP3<BP4
41 ee 34	2	00-01 00-7F	Level Scaling Offset 1	-128-+127	01 00	
41 ee 36	2	00-01 00-7F	Level Scaling Offset 2	-128-+127	01 00	
41 ee 38	2	00-01 00-7F	Level Scaling Offset 3	-128-+127	01 00	
41 ee 3A	2	00-01 00-7F	Level Scaling Offset 4	-128-+127	01 00	
41 ee 3C	1	00-7F	AEG Time Key Follow Sensitivity	-64-+63	40	
41 ee 3D	1	00-7F	AEG Time Key Follow Center Note	C-2-G8	18	

TOTAL SIZE = 30 1E (HEX)

42 ee 00	1	10-70	Coarse Tune	-48-+48	40	
42 ee 01	1	00-7F	Fine Tune	-64-+63	40	
42 ee 02	1	00-7F	VELOCITY → PITCH SENSITIVITY	-64-+63	40	
42 ee 03	1		reserved		(02)	
42 ee 04	1	00-7F	Random Pitch Depth	0-127	00	
42 ee 05	1	00-7F	PEG Hold Time	0-127	00	
42 ee 06	1	00-7F	PEG Attack Time	0-127	28	
42 ee 07	1	00-7F	PEG Decay 1 Time	0-127	40	
42 ee 08	1	00-7F	PEG Decay 2 Time	0-127	40	
42 ee 09	1	00-7F	PEG Release Time	0-127	40	
42 ee 0A	2	00-01 00-7F	PEG Hold Level	-128-+127 (-4800-+4800 [cent])	01 00	
42 ee 0C	2	00-01 00-7F	PEG Attack Level	-128-+127 (-4800-+4800 [cent])	01 00	
42 ee 0E	2	00-01 00-7F	PEG Decay 1 Level	-128-+127 (-4800-+4800 [cent])	01 00	
42 ee 10	2	00-01 00-7F	PEG Decay 2 Level	-128-+127 (-4800-+4800 [cent])	01 00	
42 ee 12	2	00-01 00-7F	PEG Release Level	-128-+127 (-4800-+4800 [cent])	01 00	
42 ee 14	1	00-7F	PEG Depth	-64-+63	54	
42 ee 15	1	00-04	PEG Time Velocity Segment	ATK, ATK+DCY, DCY, ATK+RLS, ALL	04	
42 ee 16	1	00-7F	PEG Time Velocity Sensitivity	-64-+63	40	
42 ee 17	1	00-7F	PEG Level Velocity Sensitivity	-64-+63	40	
42 ee 18	1	00-04	PEG LEVEL SENS VELOCITY CURVE	00-04	02	
42 ee 19	1	00-7F	Pitch Key Follow Sensitivity	-200%-+200%	60	
42 ee 1A	1	00-7F	Pitch Key Follow Center Note	C-2-G8	3C	
42 ee 1B	1	00-7F	PEG Time Key Follow Sensitivity	-64-+63	40	
42 ee 1C	1	00-7F	PEG Time Key Follow Center Note	C-2-G8	3C	
42 ee 1D	1		reserved		(40)	

TOTAL SIZE = 30 1E (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
43 ee 00	1	00-15	Filter Type	LPF24D, LPF24A, LPF18, HPF18s, LPF12, LPF6, HPF24D, HPF12, BPF12D, BPF12s, BPF6, BPFw, BEF12, BEF6, DualLPF, DualHPF, DualBPF, DualBEF, LPF12+HPF12, LPF12+BPF6, HPF12+BPF6, THRU	04	
43 ee 01	2	00-01 00-7F	Filter Cutoff Frequency	0-255	01 0C (02)	
43 ee 03	1	00-7F	Filter Cutoff Velocity Sensitivity	-64-+63	40	
43 ee 04	1		reserved		02	
43 ee 05	1	00-46	Filter Resonance/Width/Band	0-70	04	
43 ee 06	1	00-7F	Filter Resonance Velocity Sensitivity	-64-+63	40	
43 ee 07	2	00-01 00-7F	HPF Cutoff Frequency	0-255	00 00	
43 ee 09	1	40	reserved		(40)	
43 ee 0A	2	00-01 00-7F	DISTANCE	0-255 (available with Dual filters)	00 00	
43 ee 0C	2	00-01 00-7F	Filter Gain	0-255	01 6E	
43 ee 0E	1	00-7F	FEG Hold Time	0-127	00	
43 ee 0F	1	00-7F	FEG Attack Time	0-127	00	
43 ee 10	1	00-7F	FEG Decay 1 Time	0-127	40	
43 ee 11	1	00-7F	FEG Decay 2 Time	0-127	40	
43 ee 12	1	00-7F	FEG Release Time	0-127	50	
43 ee 13	2	00-01 00-7F	FEG Hold Level	-128-+127 (-9600-+9600 [cent])	01 00	
43 ee 15	2	00-01 00-7F	FEG Attack Level	-128-+127 (-9600-+9600 [cent])	01 7F	
43 ee 17	2	00-01 00-7F	FEG Decay 1 Level	-128-+127 (-9600-+9600 [cent])	01 7F	
43 ee 19	2	00-01 00-7F	FEG Decay 2 Level	-128-+127 (-9600-+9600 [cent])	01 7F	
43 ee 1B	2	00-01 00-7F	FEG Release Level	-128-+127 (-9600-+9600 [cent])	01 00	
43 ee 1D	1	00-7F	FEG Depth	-64-+63	68	
43 ee 1E	1	00-04	FEG Time Velocity Segment	ATK, ATK+DCY, DCY, ATK+RLS, ALL	04	
43 ee 1F	1	00-7F	FEG Time Velocity Sensitivity	-64-+63	40	
43 ee 20	1	00-7F	FEG Level Velocity Sensitivity	-64-+63	40	
43 ee 21	1	00-04	FEG LEVEL VELOCITY CURVE	00-04	02	
43 ee 22	1	00-7F	Filter Cutoff Key Follow Sensitivity	-200%-+200%	4A	
43 ee 23	1	00-7C	Filter Cutoff Scaling Break Point 1	C-2-E8	24	BP1<BP2<BP3<BP4
43 ee 24	1	01-7D	Filter Cutoff Scaling Break Point 2	C ² -2-F8	30	BP1<BP2<BP3<BP4
43 ee 25	1	02-7E	Filter Cutoff Scaling Break Point 3	D-2-F8	3C	BP1<BP2<BP3<BP4
43 ee 26	1	03-7F	Filter Cutoff Scaling Break Point 4	D ² -2-G8	48	BP1<BP2<BP3<BP4
43 ee 27	2	00-01 00-7F	Filter Cutoff Scaling Offset 1	-128-+127	01 00	
43 ee 29	2	00-01 00-7F	Filter Cutoff Scaling Offset 2	-128-+127	01 00	
43 ee 2B	2	00-01 00-7F	Filter Cutoff Scaling Offset 3	-128-+127	01 00	
43 ee 2D	2	00-01 00-7F	Filter Cutoff Scaling Offset 4	-128-+127	01 00	
43 ee 2F	1	00-7F	HPF Cutoff Key Follow Sensitivity	-200%-+200%	40	
43 ee 30	1	00-7F	FEG Time Key Follow Sensitivity	-64-+63	40	
43 ee 31	1	00-7F	FEG Time Key Follow Center Note	C-2-G8	18	

TOTAL SIZE = 50 32 (HEX)

44 ee 00	1	00-05	EQ Type	EQ L/H, PEQ, Boost6, Boost12, Boost18, thru	00	
44 ee 01	1	00-1F	EQ Resonance	0-31	00	
44 ee 02	2	00-01 00-7F	EQ 1 Frequency	EQ L/H: 46-182, PEQ: 83-251	00 36	
44 ee 04	1	20-60	EQ 1 Gain	-32-+32	40	
44 ee 05	2	00-01 00-7F	EQ 2 Frequency	EQ L/H: 131-241	01 67	
44 ee 07	1	20-60	EQ 2 Gain	-32-+32	40	

TOTAL SIZE = 8 08 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
44 ee 40	1	00 - 02	LFO Wave	saw, tri, squ	01	
44 ee 41	1	00 - 01	LFO Key On Sync	off, on	01	
44 ee 42	1	00 - 7F	LFO KEY ON DELAY TIME	0 - 127	00	
44 ee 43	1	00 - 3F	LFO Speed	0 - 63	26	
44 ee 44	1	00 - 7F	LFO AMod Depth	0 - 127	00	
44 ee 45	1	00 - 7F	LFO PMod Depth	0 - 127	00	
44 ee 46	1	00 - 7F	LFO FMod Depth	0 - 127	00	
44 ee 47	1		reserved		--	

TOTAL SIZE = 8 08 (HEX)

ee = Element Number (00 - 03: Element1 - 4)

<Table 6-1>

**MIDI PARAMETER CHANGE TABLE
(DRUM VOICE COMMON)**

MODEL ID = 0x6F

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
46 70 00	1	20 - 7E	Voice Name 1	32 - 126 (ASCII)	Init Voice	
46 70 01	1	20 - 7E	Voice Name 2	32 - 126 (ASCII)	-	
46 70 02	1	20 - 7E	Voice Name 3	32 - 126 (ASCII)	-	
46 70 03	1	20 - 7E	Voice Name 4	32 - 126 (ASCII)	-	
46 70 04	1	20 - 7E	Voice Name 5	32 - 126 (ASCII)	-	
46 70 05	1	20 - 7E	Voice Name 6	32 - 126 (ASCII)	-	
46 70 06	1	20 - 7E	Voice Name 7	32 - 126 (ASCII)	-	
46 70 07	1	20 - 7E	Voice Name 8	32 - 126 (ASCII)	-	
46 70 08	1	20 - 7E	Voice Name 9	32 - 126 (ASCII)	-	
46 70 09	1	20 - 7E	Voice Name 10	32 - 126 (ASCII)	-	
46 70 0A	1		reserved			
46 70 0B	1		reserved			
46 70 0C	1	00 - 10	Voice Category (Main)	0 - 16 (-- Co)	0D (Dr)	Ap, Kb, Or, Gt, Ba, St, Br, Rp, Ld, Pd, Sc, Cp, Dr, Se, Me, Co
46 70 0D	1	00 - 03	reserved		00	
46 70 0E	1		reserved			
46 70 0F	1		reserved			
46 70 10	1		reserved			
46 70 11	1		reserved			
46 70 12	1		reserved			
46 70 13	1	00 - 01	ARP Type Bank	pre1, pre2	01	
46 70 14	1	00 - 7F	ARP Type	Strum A - EuroTekE	00	
46 70 15	1	00 - 01	ARP Switch	off, on	00	
46 70 16	1	00 - 02	ARP Hold	sync-off, off, on	01	
46 70 17	1	00 - 06	ARP Unit Multiply	50%, 66%, 75%, 100%, 133%, 150%, 200%	03	
46 70 18	1	00 - 7F	ARP Note Limit Low	C-2 - G8	00	
46 70 19	1	00 - 7F	ARP Note Limit High	C-2 - G8	7F	
46 70 1A	1	01 - 7F	ARP Velocity Limit Low	1 - 127	01	
46 70 1B	1	01 - 7F	ARP Velocity Limit High	1 - 127	7F	
46 70 1C	1	00 - 02	ARP Key Mode	sort, thru, direct	00	
46 70 1D	1	00 - 01	ARP Vel Mode	original, thru	00	
46 70 1E	2	0000 - 00C8	ARP Velocity Rate MSB ARP Velocity Rate LSB	0 - 200%	64	
46 70 20	2	0000 - 00C8	ARP Gate Time Rate MSB ARP Gate Time Rate LSB	0 - 200%	64	
46 70 22	2	0001 - 012C	ARP Tempo MSB ARP Tempo LSB	1 - 300	8A	
46 70 24	1	00 - 03	reserved		02	
46 70 25	1	01 - 7F	Pan	L63 - C - R63	40	
46 70 26	1	40	reserved		40	
46 70 27	1	00 - 7F	Decay Time	-64 - +63	40	
46 70 28	1		reserved			
46 70 29	1		reserved			
46 70 2A	1		reserved			
46 70 2B	1		reserved			
46 70 2C	1		reserved			
46 70 2D	1		reserved			
46 70 2E	1	00 - 7F	Assign A	-64 - +63	40	
46 70 2F	1	00 - 7F	Assign B	-64 - +63	40	
46 70 30	1		reserved			
46 70 31	1	00 - 7F	EQ Low Gain	-64 - +63	40	
46 70 32	1	00 - 7F	EQ Low Mid Gain	-64 - +63	40	
46 70 33	1	00 - 7F	EQ High Mid Gain	-64 - +63	40	

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
46 70 34	1	00 - 7F	EQ High Gain	-64 - +63	40	
46 70 35	1	00 - 7F	Assign 1	-64 - +63	40	
46 70 36	1	00 - 7F	Assign 2	-64 - +63	40	
46 70 37	1	00 - 7F	Cutoff Frequency	-64 - +63	40	
46 70 38	1	00 - 7F	Resonance	-64 - +63	40	
46 70 39	1	00 - 7F	Attack Time	-64 - +63	40	
46 70 3A	1		reserved			
46 70 3B	1		reserved			
46 70 3C	1		reserved			
46 70 3D	1		reserved			
46 70 3E	1		reserved			
46 70 3F	1		reserved			
46 70 40	1		reserved			
46 70 41	1		reserved			

TOTAL SIZE = 66 42 (HEX)

46 00 00	1	00 - 7F	Volume	0 - 127	7F	
46 00 01	1		reserved			
46 00 02	1	10 - 58	Pitch Bend Range Upper	-48 - +24 [semitones]	42	
46 00 03	1	10 - 58	Pitch Bend Range Lower	-48 - +24 [semitones]	3E	
46 00 04	1	00 - 7F	Reverb Send	--dB - 0dB	7F	
46 00 05	1	00 - 7F	Chorus Send	--dB - 0dB	7F	
46 00 06	1		reserved			
46 00 07	1		reserved			

TOTAL SIZE = 8 08 (HEX)

46 00 40	1	00 - 02	Insertion Connect Type	Para, 1→2, 2→1	00	
46 00 41	1	00 - 7F	Ins-EF Reverb Send Level	0 - 127	40	
46 00 42	1	00 - 7F	Ins-EF Chorus Send Level	0 - 127	00	
46 00 43	1		reserved			

TOTAL SIZE = 4 04 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
46 01 00	2	00 - 7F 00 - 7F	Reverb Type MSB Reverb Type LSB	Refer to Effect Parameter List	0100	
46 01 02	2	00 - 7F 00 - 7F	Reverb Parameter 1 MSB Reverb Parameter 1 LSB	-	init value for hall1	
46 01 04	2	00 - 7F 00 - 7F	Reverb Parameter 2 MSB Reverb Parameter 2 LSB	-	init value for hall1	
46 01 06	2	00 - 7F 00 - 7F	Reverb Parameter 3 MSB Reverb Parameter 3 LSB	-	init value for hall1	
46 01 08	2	00 - 7F 00 - 7F	Reverb Parameter 4 MSB Reverb Parameter 4 LSB	-	init value for hall1	
46 01 0A	2	00 - 7F 00 - 7F	Reverb Parameter 5 MSB Reverb Parameter 5 LSB	-	init value for hall1	
46 01 0C	2	00 - 7F 00 - 7F	Reverb Parameter 6 MSB Reverb Parameter 6 LSB	-	init value for hall1	
46 01 0E	2	00 - 7F 00 - 7F	Reverb Parameter 7 MSB Reverb Parameter 7 LSB	-	init value for hall1	
46 01 10	2	00 - 7F 00 - 7F	Reverb Parameter 8 MSB Reverb Parameter 8 LSB	-	init value for hall1	
46 01 12	2	00 - 7F 00 - 7F	Reverb Parameter 9 MSB Reverb Parameter 9 LSB	-	init value for hall1	
46 01 14	2	00 - 7F 00 - 7F	Reverb Parameter 10 MSB Reverb Parameter 10 LSB	-	init value for hall1	
46 01 16	2	00 - 7F 00 - 7F	Reverb Parameter 11 MSB Reverb Parameter 11 LSB	-	init value for hall1	
46 01 18	2	00 - 7F 00 - 7F	Reverb Parameter 12 MSB Reverb Parameter 12 LSB	-	init value for hall1	
46 01 1A	2	00 - 7F 00 - 7F	Reverb Parameter 13 MSB Reverb Parameter 13 LSB	-	init value for hall1	
46 01 1C	2	00 - 7F 00 - 7F	Reverb Parameter 14 MSB Reverb Parameter 14 LSB	-	init value for hall1	
46 01 1E	2	00 - 7F 00 - 7F	Reverb Parameter 15 MSB Reverb Parameter 15 LSB	-	init value for hall1	
46 01 20	2	00 - 7F 00 - 7F	Reverb Parameter 16 MSB Reverb Parameter 16 LSB	-	init value for hall1	
46 01 22	1	00 - 7F	Reverb Return	--dB - 0dB - +6dB (0 - 96 - 127)	40	
46 01 23	1	01 - 7F	Reverb Pan	L63 - C - R63	40	

TOTAL SIZE = 36 24 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
46 02 00	2	00 – 7F 00 – 7F	Chorus Type MSB Chorus Type LSB	Refer to Effect Parameter List	0500	
46 02 02	2	00 – 7F 00 – 7F	Chorus Parameter 1 MSB Chorus Parameter 1 LSB	-	init value for chorus1	
46 02 04	2	00 – 7F 00 – 7F	Chorus Parameter 2 MSB Chorus Parameter 2 LSB	-	init value for chorus1	
46 02 06	2	00 – 7F 00 – 7F	Chorus Parameter 3 MSB Chorus Parameter 3 LSB	-	init value for chorus1	
46 02 08	2	00 – 7F 00 – 7F	Chorus Parameter 4 MSB Chorus Parameter 4 LSB	-	init value for chorus1	
46 02 0A	2	00 – 7F 00 – 7F	Chorus Parameter 5 MSB Chorus Parameter 5 LSB	-	init value for chorus1	
46 02 0C	2	00 – 7F 00 – 7F	Chorus Parameter 6 MSB Chorus Parameter 6 LSB	-	init value for chorus1	
46 02 0E	2	00 – 7F 00 – 7F	Chorus Parameter 7 MSB Chorus Parameter 7 LSB	-	init value for chorus1	
46 02 10	2	00 – 7F 00 – 7F	Chorus Parameter 8 MSB Chorus Parameter 8 LSB	-	init value for chorus1	
46 02 12	2	00 – 7F 00 – 7F	Chorus Parameter 9 MSB Chorus Parameter 9 LSB	-	init value for chorus1	
46 02 14	2	00 – 7F 00 – 7F	Chorus Parameter 10 MSB Chorus Parameter 10 LSB	-	init value for chorus1	
46 02 16	2	00 – 7F 00 – 7F	Chorus Parameter 11 MSB Chorus Parameter 11 LSB	-	init value for chorus1	
46 02 18	2	00 – 7F 00 – 7F	Chorus Parameter 12 MSB Chorus Parameter 12 LSB	-	init value for chorus1	
46 02 1A	2	00 – 7F 00 – 7F	Chorus Parameter 13 MSB Chorus Parameter 13 LSB	-	init value for chorus1	
46 02 1C	2	00 – 7F 00 – 7F	Chorus Parameter 14 MSB Chorus Parameter 14 LSB	-	init value for chorus1	
46 02 1E	2	00 – 7F 00 – 7F	Chorus Parameter 15 MSB Chorus Parameter 15 LSB	-	init value for chorus1	
46 02 20	2	00 – 7F 00 – 7F	Chorus Parameter 16 MSB Chorus Parameter 16 LSB	-	init value for chorus1	
46 02 22	1	00 – 7F	Chorus Return	--dB – 0dB – +6dB (0 – 96 – 127)	60	
46 02 23	1	00 – 7F	Chorus Pan	L63 – C – R63	40	
46 02 24	1	00 – 7F	Send Chorus To Reverb	--dB – 0dB (0 – 127)	00	

TOTAL SIZE = 37 25 (HEX)

46 03 00	2	00 – 7F 00 – 7F	Insertion 1 Type MSB Insertion 1 Type LSB	Refer to Effect Parameter List	0000	
46 03 02	2	00 – 7F 00 – 7F	Insertion 1 Parameter 1 MSB Insertion 1 Parameter 1 LSB	-	0000	
46 03 04	2	00 – 7F 00 – 7F	Insertion 1 Parameter 2 MSB Insertion 1 Parameter 2 LSB	-	0000	
46 03 06	2	00 – 7F 00 – 7F	Insertion 1 Parameter 3 MSB Insertion 1 Parameter 3 LSB	-	0000	
46 03 08	2	00 – 7F 00 – 7F	Insertion 1 Parameter 4 MSB Insertion 1 Parameter 4 LSB	-	0000	
46 03 0A	2	00 – 7F 00 – 7F	Insertion 1 Parameter 5 MSB Insertion 1 Parameter 5 LSB	-	0000	
46 03 0C	2	00 – 7F 00 – 7F	Insertion 1 Parameter 6 MSB Insertion 1 Parameter 6 LSB	-	0000	
46 03 0E	2	00 – 7F 00 – 7F	Insertion 1 Parameter 7 MSB Insertion 1 Parameter 7 LSB	-	0000	
46 03 10	2	00 – 7F 00 – 7F	Insertion 1 Parameter 8 MSB Insertion 1 Parameter 8 LSB	-	0000	
46 03 12	2	00 – 7F 00 – 7F	Insertion 1 Parameter 9 MSB Insertion 1 Parameter 9 LSB	-	0000	
46 03 14	2	00 – 7F 00 – 7F	Insertion 1 Parameter 10 MSB Insertion 1 Parameter 10 LSB	-	0000	
46 03 16	2	00 – 7F 00 – 7F	Insertion 1 Parameter 11 MSB Insertion 1 Parameter 11 LSB	-	0000	
46 03 18	2	00 – 7F 00 – 7F	Insertion 1 Parameter 12 MSB Insertion 1 Parameter 12 LSB	-	0000	
46 03 1A	2	00 – 7F 00 – 7F	Insertion 1 Parameter 13 MSB Insertion 1 Parameter 13 LSB	-	0000	
46 03 1C	2	00 – 7F 00 – 7F	Insertion 1 Parameter 14 MSB Insertion 1 Parameter 14 LSB	-	0000	
46 03 1E	2	00 – 7F 00 – 7F	Insertion 1 Parameter 15 MSB Insertion 1 Parameter 15 LSB	-	0000	
46 03 20	2	00 – 7F 00 – 7F	Insertion 1 Parameter 16 MSB Insertion 1 Parameter 16 LSB	-	0000	

TOTAL SIZE = 34 22 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
46 04 00	2	00 – 7F 00 – 7F	Insertion 2 Type MSB Insertion 2 Type LSB	Refer to Effect Parameter List	0000	
46 04 02	2	00 – 7F 00 – 7F	Insertion 2 Parameter 1 MSB Insertion 2 Parameter 1 LSB	-	0000	
46 04 04	2	00 – 7F 00 – 7F	Insertion 2 Parameter 2 MSB Insertion 2 Parameter 2 LSB	-	0000	
46 04 06	2	00 – 7F 00 – 7F	Insertion 2 Parameter 3 MSB Insertion 2 Parameter 3 LSB	-	0000	
46 04 08	2	00 – 7F 00 – 7F	Insertion 2 Parameter 4 MSB Insertion 2 Parameter 4 LSB	-	0000	
46 04 0A	2	00 – 7F 00 – 7F	Insertion 2 Parameter 5 MSB Insertion 2 Parameter 5 LSB	-	0000	
46 04 0C	2	00 – 7F 00 – 7F	Insertion 2 Parameter 6 MSB Insertion 2 Parameter 6 LSB	-	0000	
46 04 0E	2	00 – 7F 00 – 7F	Insertion 2 Parameter 7 MSB Insertion 2 Parameter 7 LSB	-	0000	
46 04 10	2	00 – 7F 00 – 7F	Insertion 2 Parameter 8 MSB Insertion 2 Parameter 8 LSB	-	0000	
46 04 12	2	00 – 7F 00 – 7F	Insertion 2 Parameter 9 MSB Insertion 2 Parameter 9 LSB	-	0000	
46 04 14	2	00 – 7F 00 – 7F	Insertion 2 Parameter 10 MSB Insertion 2 Parameter 10 LSB	-	0000	
46 04 16	2	00 – 7F 00 – 7F	Insertion 2 Parameter 11 MSB Insertion 2 Parameter 11 LSB	-	0000	
46 04 18	2	00 – 7F 00 – 7F	Insertion 2 Parameter 12 MSB Insertion 2 Parameter 12 LSB	-	0000	
46 04 1A	2	00 – 7F 00 – 7F	Insertion 2 Parameter 13 MSB Insertion 2 Parameter 13 LSB	-	0000	
46 04 1C	2	00 – 7F 00 – 7F	Insertion 2 Parameter 14 MSB Insertion 2 Parameter 14 LSB	-	0000	
46 04 1E	2	00 – 7F 00 – 7F	Insertion 2 Parameter 15 MSB Insertion 2 Parameter 15 LSB	-	0000	
46 04 20	2	00 – 7F 00 – 7F	Insertion 2 Parameter 16 MSB Insertion 2 Parameter 16 LSB	-	0000	

TOTAL SIZE = 34 22 (HEX)

46 05 00	1	00 – 09	Controller Set 1 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	01	
46 05 01	2	00 00 – 23	Controller Set 1 Destination MSB Controller Set 1 Destination LSB	0 – 35	00	
46 05 03	1	00 – 7F	Controller Set 1 Depth	-64 – +63	40	
46 05 04	1		reserved			
46 05 05	1	00 – 09	Controller Set 2 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	01	
46 05 06	2	00 00 – 23	Controller Set 2 Destination MSB Controller Set 2 Destination LSB	0 – 35	00	
46 05 08	1	00 – 7F	Controller Set 2 Depth	-64 – +63	40	
46 05 09	1		reserved			
46 05 0A	1	00 – 09	Controller Set 3 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	01	
46 05 0B	2	00 00 – 23	Controller Set 3 Destination MSB Controller Set 3 Destination LSB	0 – 35	00	
46 05 0D	1	00 – 7F	Controller Set 3 Depth	-64 – +63	40	
46 05 0E	1		reserved			
46 05 0F	1	00 – 09	Controller Set 4 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	08	
46 05 10	2	00 00 – 23	Controller Set 4 Destination MSB Controller Set 4 Destination LSB	0 – 35	00	
46 05 12	1	00 – 7F	Controller Set 4 Depth	-64 – +63	40	
46 05 13	1		reserved			
46 05 14	1	00 – 09	Controller Set 5 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	09	
46 05 15	2	00 00 – 23	Controller Set 5 Destination MSB Controller Set 5 Destination LSB	0 – 35	00	
46 05 17	1	00 – 7F	Controller Set 5 Depth	-64 – +63	40	
46 05 18	1		reserved			
46 05 19	1	00 – 09	Controller Set 6 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	03	
46 05 1A	2	00 00 – 23	Controller Set 6 Destination MSB Controller Set 6 Destination LSB	0 – 35	00	
46 05 1C	1	00 – 7F	Controller Set 6 Depth	-64 – +63	40	
46 05 1D	1		reserved			

TOTAL SIZE = 30 1E (HEX)

46 06 00	2	00 – 02	Audition Phrase Number MSB	000 – 285	00 00	
46 06 01	2	00 – 7F	Audition Phrase Number LSB			
46 06 02	1	28 – 58	Audition Note Shift	-24 – 24	40	
46 06 03	1		reserved			

TOTAL SIZE = 4 04 (HEX)

<Table 6-2>

MIDI PARAMETER CHANGE TABLE (DRUM VOICE KEY)

Table with 7 columns: Address, Size, Data Range (HEX), Parameter Name, Description, Default (HEX), Notes. Rows include parameters like Element Assign, Wave Type, reserved, Receive Note Off, Assign Mode, Alternate Group, Wave Number MSB/LSB, Voice Bank Number MSB/LSB, Voice Number, Pan, Random Pan Depth, Alternate Pan Depth, Reverb Send Level, Chorus Send Level, Insertion Effect Switch, and Output Select.

TOTAL SIZE = 19 13 (HEX)

Table with 7 columns: Address, Size, Data Range (HEX), Parameter Name, Description, Default (HEX), Notes. Rows include Element Level, Level Velocity Sensitivity, reserved, AEG Attack Time, AEG Decay 1 Time, AEG Decay 2 Time, reserved, AEG Decay 1 Level, reserved, and reserved.

TOTAL SIZE = 12 0C (HEX)

Table with 7 columns: Address, Size, Data Range (HEX), Parameter Name, Description, Default (HEX), Notes. Rows include Coarse Tune, Fine Tune, and Pitch Velocity Sensitivity.

TOTAL SIZE = 3 03 (HEX)

Table with 7 columns: Address, Size, Data Range (HEX), Parameter Name, Description, Default (HEX), Notes. Rows include reserved, LPF Cutoff Frequency MSB/LSB, LPF Cutoff Velocity Sensitivity, LPF Resonance, reserved, HPF Cutoff Frequency MSB/LSB.

TOTAL SIZE = 8 08 (HEX)

Table with 7 columns: Address, Size, Data Range (HEX), Parameter Name, Description, Default (HEX), Notes. Rows include EQ Type, EQ Resonance, EQ 1 Frequency MSB/LSB, EQ 1 GAIN, EQ 2 Frequency MSB/LSB, EQ 2 GAIN.

TOTAL SIZE = 8 08 (HEX)

ee = Element Number (00 - 48; C0 - C6)

*1: When the Wave/Voice type is set to "voice", only these parameters are available.

<Table 7>

MIDI PARAMETER CHANGE TABLE (PLUG-IN VOICE)

MODEL ID = 0x6F

Table with 7 columns: Address, Size, Data Range (HEX), Parameter Name, Description, Default (HEX), Notes. Rows include Voice Name 1-10, reserved, Voice Category (Main), reserved, ARP Type Bank, ARP Type, ARP Switch, ARP Hold, ARP Unit Multiply, ARP Note Limit Low/High, ARP Velocity Limit Low/High, ARP Key Mode, ARP Vel Mode, ARP Velocity Rate MSB/LSB, ARP Gate Time Rate MSB/LSB, ARP Tempo MSB/LSB, reserved, Pan, reserved, Decay Time, reserved, Assign A/B, EQ Low/Mid/High Gain, Assign 1/2, Cutoff Frequency, Resonance, Attack Time, Release Time, reserved.

TOTAL SIZE = 66 42 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
4C 00 00	1	00 – 7F	Volume	0 – 127	64	
4C 00 01	1		reserved			
4C 00 02	1	00 – 01	Same Note Number Key On Assign	single, multi	01	
4C 00 03	1	00 – 01	Mono/Poly Mode	mono, poly	01	
4C 00 04	1		reserved			
4C 00 05	1	28 – 58	Pitch Bend Range	-24 – +24 [semitones]	42	
4C 00 06	1		reserved			
4C 00 07	1		reserved			
4C 00 08	1	00 – 01	Portamento Switch	off, on	00	
4C 00 09	1	00 – 7F	Portamento Time	0 – 127	40	
4C 00 0A	1	01 – 02	Insertion Connect Type	1→2, 2→1	01	
4C 00 0B	1	00 – 7F	Reverb Send	→dB – 0dB	00	
4C 00 0C	1	00 – 7F	Chorus Send	→dB – 0dB	00	

TOTAL SIZE = 13 0D (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
4C 01 00	2	00 – 7F 00 – 7F	Reverb Type MSB Reverb Type LSB	Refer to Effect Parameter List	0100	
4C 01 02	2	00 – 7F 00 – 7F	Reverb Parameter 1 MSB Reverb Parameter 1 LSB	-	init value for hall1	
4C 01 04	2	00 – 7F 00 – 7F	Reverb Parameter 2 MSB Reverb Parameter 2 LSB	-	init value for hall1	
4C 01 06	2	00 – 7F 00 – 7F	Reverb Parameter 3 MSB Reverb Parameter 3 LSB	-	init value for hall1	
4C 01 08	2	00 – 7F 00 – 7F	Reverb Parameter 4 MSB Reverb Parameter 4 LSB	-	init value for hall1	
4C 01 0A	2	00 – 7F 00 – 7F	Reverb Parameter 5 MSB Reverb Parameter 5 LSB	-	init value for hall1	
4C 01 0C	2	00 – 7F 00 – 7F	Reverb Parameter 6 MSB Reverb Parameter 6 LSB	-	init value for hall1	
4C 01 0E	2	00 – 7F 00 – 7F	Reverb Parameter 7 MSB Reverb Parameter 7 LSB	-	init value for hall1	
4C 01 10	2	00 – 7F 00 – 7F	Reverb Parameter 8 MSB Reverb Parameter 8 LSB	-	init value for hall1	
4C 01 12	2	00 – 7F 00 – 7F	Reverb Parameter 9 MSB Reverb Parameter 9 LSB	-	init value for hall1	
4C 01 14	2	00 – 7F 00 – 7F	Reverb Parameter 10 MSB Reverb Parameter 10 LSB	-	init value for hall1	
4C 01 16	2	00 – 7F 00 – 7F	Reverb Parameter 11 MSB Reverb Parameter 11 LSB	-	init value for hall1	
4C 01 18	2	00 – 7F 00 – 7F	Reverb Parameter 12 MSB Reverb Parameter 12 LSB	-	init value for hall1	
4C 01 1A	2	00 – 7F 00 – 7F	Reverb Parameter 13 MSB Reverb Parameter 13 LSB	-	init value for hall1	
4C 01 1C	2	00 – 7F 00 – 7F	Reverb Parameter 14 MSB Reverb Parameter 14 LSB	-	init value for hall1	
4C 01 1E	2	00 – 7F 00 – 7F	Reverb Parameter 15 MSB Reverb Parameter 15 LSB	-	init value for hall1	
4C 01 20	2	00 – 7F 00 – 7F	Reverb Parameter 16 MSB Reverb Parameter 16 LSB	-	init value for hall1	
4C 01 22	1	00 – 7F	Reverb Return	→dB – 0dB – +6dB (0 – 96 – 127)	40	
4C 01 23	1	01 – 7F	Reverb Pan	L63 – C – R63	40	

TOTAL SIZE = 36 24 (HEX)

4C 02 00	2	00 – 7F 00 – 7F	Chorus Type MSB Chorus Type LSB	Refer to Effect Parameter List	0500	
4C 02 02	2	00 – 7F 00 – 7F	Chorus Parameter 1 MSB Chorus Parameter 1 LSB	-	init value for chorus1	
4C 02 04	2	00 – 7F 00 – 7F	Chorus Parameter 2 MSB Chorus Parameter 2 LSB	-	init value for chorus1	
4C 02 06	2	00 – 7F 00 – 7F	Chorus Parameter 3 MSB Chorus Parameter 3 LSB	-	init value for chorus1	
4C 02 08	2	00 – 7F 00 – 7F	Chorus Parameter 4 MSB Chorus Parameter 4 LSB	-	init value for chorus1	
4C 02 0A	2	00 – 7F 00 – 7F	Chorus Parameter 5 MSB Chorus Parameter 5 LSB	-	init value for chorus1	
4C 02 0C	2	00 – 7F 00 – 7F	Chorus Parameter 6 MSB Chorus Parameter 6 LSB	-	init value for chorus1	
4C 02 0E	2	00 – 7F 00 – 7F	Chorus Parameter 7 MSB Chorus Parameter 7 LSB	-	init value for chorus1	
4C 02 10	2	00 – 7F 00 – 7F	Chorus Parameter 8 MSB Chorus Parameter 8 LSB	-	init value for chorus1	
4C 02 12	2	00 – 7F 00 – 7F	Chorus Parameter 9 MSB Chorus Parameter 9 LSB	-	init value for chorus1	
4C 02 14	2	00 – 7F 00 – 7F	Chorus Parameter 10 MSB Chorus Parameter 10 LSB	-	init value for chorus1	
4C 02 16	2	00 – 7F 00 – 7F	Chorus Parameter 11 MSB Chorus Parameter 11 LSB	-	init value for chorus1	
4C 02 18	2	00 – 7F 00 – 7F	Chorus Parameter 12 MSB Chorus Parameter 12 LSB	-	init value for chorus1	
4C 02 1A	2	00 – 7F 00 – 7F	Chorus Parameter 13 MSB Chorus Parameter 13 LSB	-	init value for chorus1	

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
4C 02 1C	2	00 – 7F 00 – 7F	Chorus Parameter 14 MSB Chorus Parameter 14 LSB	-	init value for chorus1	
4C 02 1E	2	00 – 7F 00 – 7F	Chorus Parameter 15 MSB Chorus Parameter 15 LSB	-	init value for chorus1	
4C 02 20	2	00 – 7F 00 – 7F	Chorus Parameter 16 MSB Chorus Parameter 16 LSB	-	init value for chorus1	
4C 02 22	1	00 – 7F	Chorus Return	→dB – 0dB – +6dB (0 – 96 – 127)	60	
4C 02 23	1	01 – 7F	Chorus Pan	L63 – C – R63	40	
4C 02 24	1	00 – 7F	Send Chorus To Reverb	→dB – 0dB (0 – 127)	00	

TOTAL SIZE = 37 25 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
4C 03 00	2	00 – 7F 00 – 7F	Insertion 1 Type MSB Insertion 1 Type LSB	Refer to Effect Parameter List	0000	
4C 03 02	2	00 – 7F 00 – 7F	Insertion 1 Parameter 1 MSB Insertion 1 Parameter 1 LSB	-	0000	
4C 03 04	2	00 – 7F 00 – 7F	Insertion 1 Parameter 2 MSB Insertion 1 Parameter 2 LSB	-	0000	
4C 03 06	2	00 – 7F 00 – 7F	Insertion 1 Parameter 3 MSB Insertion 1 Parameter 3 LSB	-	0000	
4C 03 08	2	00 – 7F 00 – 7F	Insertion 1 Parameter 4 MSB Insertion 1 Parameter 4 LSB	-	0000	
4C 03 0A	2	00 – 7F 00 – 7F	Insertion 1 Parameter 5 MSB Insertion 1 Parameter 5 LSB	-	0000	
4C 03 0C	2	00 – 7F 00 – 7F	Insertion 1 Parameter 6 MSB Insertion 1 Parameter 6 LSB	-	0000	
4C 03 0E	2	00 – 7F 00 – 7F	Insertion 1 Parameter 7 MSB Insertion 1 Parameter 7 LSB	-	0000	
4C 03 10	2	00 – 7F 00 – 7F	Insertion 1 Parameter 8 MSB Insertion 1 Parameter 8 LSB	-	0000	
4C 03 12	2	00 – 7F 00 – 7F	Insertion 1 Parameter 9 MSB Insertion 1 Parameter 9 LSB	-	0000	
4C 03 14	2	00 – 7F 00 – 7F	Insertion 1 Parameter 10 MSB Insertion 1 Parameter 10 LSB	-	0000	
4C 03 16	2	00 – 7F 00 – 7F	Insertion 1 Parameter 11 MSB Insertion 1 Parameter 11 LSB	-	0000	
4C 03 18	2	00 – 7F 00 – 7F	Insertion 1 Parameter 12 MSB Insertion 1 Parameter 12 LSB	-	0000	
4C 03 1A	2	00 – 7F 00 – 7F	Insertion 1 Parameter 13 MSB Insertion 1 Parameter 13 LSB	-	0000	
4C 03 1C	2	00 – 7F 00 – 7F	Insertion 1 Parameter 14 MSB Insertion 1 Parameter 14 LSB	-	0000	
4C 03 1E	2	00 – 7F 00 – 7F	Insertion 1 Parameter 15 MSB Insertion 1 Parameter 15 LSB	-	0000	
4C 03 20	2	00 – 7F 00 – 7F	Insertion 1 Parameter 16 MSB Insertion 1 Parameter 16 LSB	-	0000	

TOTAL SIZE = 34 22 (HEX)

4C 04 00	2	00 – 7F 00 – 7F	Insertion 2 Type MSB Insertion 2 Type LSB	Refer to Effect Parameter List	0000	
4C 04 02	2	00 – 7F 00 – 7F	Insertion 2 Parameter 1 MSB Insertion 2 Parameter 1 LSB	-	0000	
4C 04 04	2	00 – 7F 00 – 7F	Insertion 2 Parameter 2 MSB Insertion 2 Parameter 2 LSB	-	0000	
4C 04 06	2	00 – 7F 00 – 7F	Insertion 2 Parameter 3 MSB Insertion 2 Parameter 3 LSB	-	0000	
4C 04 08	2	00 – 7F 00 – 7F	Insertion 2 Parameter 4 MSB Insertion 2 Parameter 4 LSB	-	0000	
4C 04 0A	2	00 – 7F 00 – 7F	Insertion 2 Parameter 5 MSB Insertion 2 Parameter 5 LSB	-	0000	
4C 04 0C	2	00 – 7F 00 – 7F	Insertion 2 Parameter 6 MSB Insertion 2 Parameter 6 LSB	-	0000	
4C 04 0E	2	00 – 7F 00 – 7F	Insertion 2 Parameter 7 MSB Insertion 2 Parameter 7 LSB	-	0000	
4C 04 10	2	00 – 7F 00 – 7F	Insertion 2 Parameter 8 MSB Insertion 2 Parameter 8 LSB	-	0000	
4C 04 12	2	00 – 7F 00 – 7F	Insertion 2 Parameter 9 MSB Insertion 2 Parameter 9 LSB	-	0000	
4C 04 14	2	00 – 7F 00 – 7F	Insertion 2 Parameter 10 MSB Insertion 2 Parameter 10 LSB	-	0000	
4C 04 16	2	00 – 7F 00 – 7F	Insertion 2 Parameter 11 MSB Insertion 2 Parameter 11 LSB	-	0000	
4C 04 18	2	00 – 7F 00 – 7F	Insertion 2 Parameter 12 MSB Insertion 2 Parameter 12 LSB	-	0000	
4C 04 1A	2	00 – 7F 00 – 7F	Insertion 2 Parameter 13 MSB Insertion 2 Parameter 13 LSB	-	0000	
4C 04 1C	2	00 – 7F 00 – 7F	Insertion 2 Parameter 14 MSB Insertion 2 Parameter 14 LSB	-	0000	
4C 04 1E	2	00 – 7F 00 – 7F	Insertion 2 Parameter 15 MSB Insertion 2 Parameter 15 LSB	-	0000	
4C 04 20	2	00 – 7F 00 – 7F	Insertion 2 Parameter 16 MSB Insertion 2 Parameter 16 LSB	-	0000	

TOTAL SIZE = 34 22 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
4C 05 00	1	00 – 09	Controller Set 1 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	08	
4C 05 01	2	00 00 – 23	Controller Set 1 Destination MSB Controller Set 1 Destination LSB	0 – 35	00 00	
4C 05 03	1	00 – 7F	Controller Set 1 Depth	-64 – +63	40	
4C 05 04	1		reserved			
4C 05 05	1	00 – 09	Controller Set 2 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, AS1, AS2	09	
4C 05 06	2	00 00 – 23	Controller Set 2 Destination MSB Controller Set 2 Destination LSB	0 – 35	00 00	
4C 05 08	1	00 – 7F	Controller Set 2 Depth	-64 – +63	40	
4C 05 09	1		reserved			

TOTAL SIZE = 10 0A (HEX)

4C 06 00	2	00 – 02	Audition Phrase Number MSB	000 – 285	00 00	
4C 06 01		00 – 7F	Audition Phrase Number LSB			
4C 06 02	1	28 – 58	Audition Note Shift	-24 – 24	40	
4C 06 03	1		reserved			

TOTAL SIZE = 4 04 (HEX)

4C 10 00	1	00 – 7F	Voice Bank MSB	0 – 127		Depends on plug-in board
4C 10 01	1	00 – 7F	Voice Bank LSB	0 – 127		Depends on plug-in board
4C 10 02	1	00 – 7F	Voice Number	0 – 127		Depends on plug-in board
4C 10 03	1	28 – 58	Note Shift	-24 – 0 – +24 [semitones]	40	
4C 10 04	1	00 – 7F	Velocity Sense Depth	0 – 127	40	
4C 10 05	1	00 – 7F	Velocity Sense Offset	0 – 127	40	
4C 10 06	1	00 – 7F	(Vibrato Rate) LFO Speed	-64 – +63	40	
4C 10 07	1	00 – 7F	(Vibrato Depth) LFO Pitch Depth	-64 – +63	40	
4C 10 08	1	00 – 7F	(Vibrato Delay) LFO Delay	-64 – +63	40	
4C 10 09	1	00 – 7F	MW Filter Control	-64 – +63	40	
4C 10 0A	1		reserved			
4C 10 0B	1	00 – 7F	MW LFO Pitch Modulation Depth	0 – 127	0A	
4C 10 0C	1	00 – 7F	MW LFO Filter Modulation Depth	0 – 127	00	
4C 10 0D	1	00 – 7F	MW LFO Amplitude Modulation Depth	0 – 127	00	
4C 10 0E	1	28 – 58	CAT Pitch Control	-24 – +24 [semitones]	40	
4C 10 0F	1	00 – 7F	CAT Filter Control	-64 – +63	40	
4C 10 10	1		reserved			
4C 10 11	1	00 – 7F	CAT LFO Pitch Modulation Depth	0 – 127	00	
4C 10 12	1	00 – 7F	CAT LFO Filter Modulation Depth	0 – 127	00	
4C 10 13	1	00 – 7F	CAT LFO Amplitude Modulation Depth	0 – 127	00	
4C 10 14	1	00 – 5F	AC1 Controller Number	0 – 95	10	
4C 10 15	1	00 – 7F	AC1 Filter Control	-64 – +63	40	
4C 10 16	1		reserved			
4C 10 17	1	00 – 7F	AC1 LFO Pitch Modulation Depth	0 – 127	00	
4C 10 18	1	00 – 7F	AC1 LFO Filter Modulation Depth	0 – 127	00	
4C 10 19	1	00 – 7F	AC1 LFO Amplitude Modulation Depth	0 – 127	00	
4C 10 1A	1	00 – 7F	Pitch EG Initial Level	-64 – +63	40	
4C 10 1B	1	00 – 7F	Pitch EG Attack Time	-64 – +63	40	
4C 10 1C	1	00 – 7F	Pitch EG Release Level	-64 – +63	40	
4C 10 1D	1	00 – 7F	Pitch EG Release Time	-64 – +63	40	
4C 10 1E	1	00 – 7F	EQ Low Gain	-64 – +63 (-12 – +12 [dB])	40	
4C 10 1F	1	00 – 7F	EQ High Gain	-64 – +63 (-12 – +12 [dB])	40	
4C 10 20	1	04 – 28	EQ Low Frequency	32 – 2.0k [Hz]	0C	
4C 10 21	1	1C – 3A	EQ High Frequency	500 – 16.0k [Hz]	36	
4C 10 22	1	00 – 7F	HPF Cutoff Frequency	-64 – 0 – +63	40	

TOTAL SIZE = 35 23 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
4C 20 00	64	00 – 7F	Plug-in Board Native Parameter	Depends on Plug-in Board	00	
4C 20 40	3	00 – 7F	Plug-in Board Type MSB			Depends on plug-in board
		00 – 7F	Plug-in Board Type LSB			Depends on plug-in board
		00 – 7F	Plug-in Board Version Number			Depends on plug-in board
	43	1	00 – 7F	reserved	00	

TOTAL SIZE = 68 44 (HEX)

<Table 8-1>
MIDI PARAMETER CHANGE TABLE (MULTI COMMON)

MODEL ID = 0x6F

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
36 00 00	1	20 – 7E	Multi Name 1	32 – 126 (ASCII)	Init Multi	
36 00 01	1	20 – 7E	Multi Name 2	32 – 126 (ASCII)	~	
36 00 02	1	20 – 7E	Multi Name 3	32 – 126 (ASCII)	~	
36 00 03	1	20 – 7E	Multi Name 4	32 – 126 (ASCII)	~	
36 00 04	1	20 – 7E	Multi Name 5	32 – 126 (ASCII)	~	
36 00 05	1	20 – 7E	Multi Name 6	32 – 126 (ASCII)	~	
36 00 06	1	20 – 7E	Multi Name 7	32 – 126 (ASCII)	~	
36 00 07	1	20 – 7E	Multi Name 8	32 – 126 (ASCII)	~	
36 00 08	1	20 – 7E	Multi Name 9	32 – 126 (ASCII)	~	
36 00 09	1	20 – 7E	Multi Name 10	32 – 126 (ASCII)	~	
36 00 0A	1		reserved			
36 00 0B	1		reserved			
36 00 0C	1	00 – 16	Multi Category	0 – 16 (– – Co)	00 (–)	
36 00 0D	1	00 – 03	reserved		00	
36 00 0E	1		reserved			
36 00 0F	1		reserved			
36 00 10	1		reserved			
36 00 11	1	00 – 01	ARP MIDI Out Switch	off, on	00	
36 00 12	1	00 – 10	ARP MIDI Out Channel	1..16, kbd-ch	00	
36 00 13	1	00 – 02	ARP Type Bank	pre1, pre2, user	00	
36 00 14	1	00 – 7F	ARP Type	UpOct1 – GateCut3	1D	
36 00 15	1	00 – 01	ARP Switch	off, on	00	
36 00 16	1	00 – 02	ARP Hold	sync-off, off, on	01	
36 00 17	1	00 – 06	ARP Unit Multiply	50%, 66%, 75%, 100%, 133%, 150%, 200%	03	
36 00 18	1	00 – 7F	ARP Note Limit Low	C-2 – G8	00	
36 00 19	1	00 – 7F	ARP Note Limit High	C-2 – G8	7F	
36 00 1A	1	01 – 7F	ARP Velocity Limit Low	1 – 127	01	
36 00 1B	1	01 – 7F	ARP Velocity Limit High	1 – 127	7F	
36 00 1C	1	00 – 02	ARP Key Mode	sort, thru, direct	00	
36 00 1D	1	00 – 01	ARP Vel Mode	original, thru	00	
36 00 1E	2	0000 – 00C8	ARP Velocity Rate MSB ARP Velocity Rate LSB	0 – 200%	64	
36 00 20	2	0000 – 00C8	ARP Gate Time Rate MSB ARP Gate Time Rate LSB	0 – 200%	64	
36 00 22	2	0001 – 012C	ARP Tempo MSB ARP Tempo LSB	1 – 300	8A	
36 00 24	1	00 – 04	reserved		04	
36 00 25	1	40	reserved		40	
36 00 26	1	40	reserved		40	
36 00 27	1	40	reserved		40	
36 00 28	1	40	reserved		40	
36 00 29	1	40	reserved		40	
36 00 2A	1	40	reserved		40	
36 00 2B	1	40	reserved		40	
36 00 2C	1	40	reserved		40	
36 00 2D	1	40	reserved		40	
36 00 2E	1	00 – 7F	Assign A	-64 – +63	40	
36 00 2F	1	00 – 7F	Assign B	-64 – +63	40	
36 00 30	1		reserved			
36 00 31	1	00 – 7F	EQ Low Gain	-64 – +63	40	
36 00 32	1	00 – 7F	EQ Low Mid Gain	-64 – +63	40	
36 00 33	1	00 – 7F	EQ High Mid Gain	-64 – +63	40	
36 00 34	1	00 – 7F	EQ High Gain	-64 – +63	40	
36 00 35	1	00 – 7F	Assign 1	-64 – +63	40	
36 00 36	1	00 – 7F	Assign 2	-64 – +63	40	
36 00 37	1		reserved			
36 00 38	1		reserved			

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
36 00 39	1		reserved			
36 00 3A	1		reserved			
36 00 3B	1		reserved			
36 00 3C	1		reserved			
36 00 3D	1		reserved			
36 00 3E	1		reserved			
36 00 3F	1		reserved			
36 00 40	1		reserved			
36 00 41	1		reserved			
36 00 42	1	00 – 7F	reserved		7F	
36 00 43	1	00 – 7F	reserved		40	
36 00 44	1	00 – 01	reserved		00	
36 00 45	1	00 – 7F	reserved		28	
36 00 46	1	00 – 7F	reserved		00	
36 00 47	1		reserved		00	
36 00 48	1	00 – 5F	Assign 1 Control Number	off, 1 – 95	10	
36 00 49	1	00 – 5F	Assign 2 Control Number	off, 1 – 95	11	
36 00 4A	1	00 – 5F	BC Control Number	off, 1 – 95	02	
36 00 4B	1	00 – 5F	FC2 Control Number	off, 1 – 95	04	
36 00 4C	1	00 – 5F	FC1 Control Number	off, 1 – 95	0B	
36 00 4D	1	00 – 7F	Voice Insertion Effect 1 Part	0 – 15: Part 1 – 16 96 – 97: PB Part 1, 2 127: off	00	
36 00 4E	1	00 – 7F	Voice Insertion Effect 2 Part	"	01	
36 00 4F	1	00 – 7F	Voice Insertion Effect 3 Part	"	02	
36 00 50	1	00 – 7F	Voice Insertion Effect 4 Part	"	03	
36 00 51	1	00 – 7F	reserved		64	
36 00 52	1	01 – 7F	reserved		40	
36 00 53	1	00 – 7F	reserved		28	
36 00 54	1	00 – 7F	reserved		00	
36 00 55	1	00 – 7F	reserved		00	
36 00 56	1	00 – 7F	reserved		7F	
36 00 57	1	00 – 71	reserved		00	

TOTAL SIZE = 88 58 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
36 02 00	2	00 – 7F 00 – 7F	Chorus Type MSB Chorus Type LSB	Refer to Effect Parameter List	0500	
36 02 02	2	00 – 7F 00 – 7F	Chorus Parameter 1 MSB Chorus Parameter 1 LSB	"	init value for chorus1	
36 02 04	2	00 – 7F 00 – 7F	Chorus Parameter 2 MSB Chorus Parameter 2 LSB	"	init value for chorus1	
36 02 06	2	00 – 7F 00 – 7F	Chorus Parameter 3 MSB Chorus Parameter 3 LSB	"	init value for chorus1	
36 02 08	2	00 – 7F 00 – 7F	Chorus Parameter 4 MSB Chorus Parameter 4 LSB	"	init value for chorus1	
36 02 0A	2	00 – 7F 00 – 7F	Chorus Parameter 5 MSB Chorus Parameter 5 LSB	"	init value for chorus1	
36 02 0C	2	00 – 7F 00 – 7F	Chorus Parameter 6 MSB Chorus Parameter 6 LSB	"	init value for chorus1	
36 02 0E	2	00 – 7F 00 – 7F	Chorus Parameter 7 MSB Chorus Parameter 7 LSB	"	init value for chorus1	
36 02 10	2	00 – 7F 00 – 7F	Chorus Parameter 8 MSB Chorus Parameter 8 LSB	"	init value for chorus1	
36 02 12	2	00 – 7F 00 – 7F	Chorus Parameter 9 MSB Chorus Parameter 9 LSB	"	init value for chorus1	
36 02 14	2	00 – 7F 00 – 7F	Chorus Parameter 10 MSB Chorus Parameter 10 LSB	"	init value for chorus1	
36 02 16	2	00 – 7F 00 – 7F	Chorus Parameter 11 MSB Chorus Parameter 11 LSB	"	init value for chorus1	
36 02 18	2	00 – 7F 00 – 7F	Chorus Parameter 12 MSB Chorus Parameter 12 LSB	"	init value for chorus1	
36 02 1A	2	00 – 7F 00 – 7F	Chorus Parameter 13 MSB Chorus Parameter 13 LSB	"	init value for chorus1	
36 02 1C	2	00 – 7F 00 – 7F	Chorus Parameter 14 MSB Chorus Parameter 14 LSB	"	init value for chorus1	
36 02 1E	2	00 – 7F 00 – 7F	Chorus Parameter 15 MSB Chorus Parameter 15 LSB	"	init value for chorus1	
36 02 20	2	00 – 7F 00 – 7F	Chorus Parameter 16 MSB Chorus Parameter 16 LSB	"	init value for chorus1	
36 02 22	1	00 – 7F	Chorus Return	→dB – 0dB – +6dB (0 – 96 – 127)	60	
36 02 23	1	01 – 7F	Chorus Pan	L63 – C – R63	40	
36 02 24	1	00 – 7F	Send Chorus To Reverb	→dB – 0dB (0 – 127)	00	

TOTAL SIZE = 37 25 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
36 01 00	2	00 – 7F 00 – 7F	Reverb Type MSB Reverb Type LSB	Refer to Effect Parameter List	0100	
36 01 02	2	00 – 7F 00 – 7F	Reverb Parameter 1 MSB Reverb Parameter 1 LSB	"	init value for hall1	
36 01 04	2	00 – 7F 00 – 7F	Reverb Parameter 2 MSB Reverb Parameter 2 LSB	"	init value for hall1	
36 01 06	2	00 – 7F 00 – 7F	Reverb Parameter 3 MSB Reverb Parameter 3 LSB	"	init value for hall1	
36 01 08	2	00 – 7F 00 – 7F	Reverb Parameter 4 MSB Reverb Parameter 4 LSB	"	init value for hall1	
36 01 0A	2	00 – 7F 00 – 7F	Reverb Parameter 5 MSB Reverb Parameter 5 LSB	"	init value for hall1	
36 01 0C	2	00 – 7F 00 – 7F	Reverb Parameter 6 MSB Reverb Parameter 6 LSB	"	init value for hall1	
36 01 0E	2	00 – 7F 00 – 7F	Reverb Parameter 7 MSB Reverb Parameter 7 LSB	"	init value for hall1	
36 01 10	2	00 – 7F 00 – 7F	Reverb Parameter 8 MSB Reverb Parameter 8 LSB	"	init value for hall1	
36 01 12	2	00 – 7F 00 – 7F	Reverb Parameter 9 MSB Reverb Parameter 9 LSB	"	init value for hall1	
36 01 14	2	00 – 7F 00 – 7F	Reverb Parameter 10 MSB Reverb Parameter 10 LSB	"	init value for hall1	
36 01 16	2	00 – 7F 00 – 7F	Reverb Parameter 11 MSB Reverb Parameter 11 LSB	"	init value for hall1	
36 01 18	2	00 – 7F 00 – 7F	Reverb Parameter 12 MSB Reverb Parameter 12 LSB	"	init value for hall1	
36 01 1A	2	00 – 7F 00 – 7F	Reverb Parameter 13 MSB Reverb Parameter 13 LSB	"	init value for hall1	
36 01 1C	2	00 – 7F 00 – 7F	Reverb Parameter 14 MSB Reverb Parameter 14 LSB	"	init value for hall1	
36 01 1E	2	00 – 7F 00 – 7F	Reverb Parameter 15 MSB Reverb Parameter 15 LSB	Refer to Effect Parameter List	init value for hall1	
36 01 20	2	00 – 7F 00 – 7F	Reverb Parameter 16 MSB Reverb Parameter 16 LSB	"	init value for hall1	
36 01 22	1	00 – 7F	Reverb Return	→dB – 0dB – +6dB (0 – 96 – 127)	40	
36 01 23	1	01 – 7F	Reverb Pan	L63 – C – R63	40	

TOTAL SIZE = 36 24 (HEX)

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
36 10 00	1	34 – 4C	EQ Gain 1	-12 – +12 [dB]	40	
36 10 01	1	04 – 28	EQ Frequency 1	32 – 2000 [Hz]	0C	
36 10 02	1	01 – 78	EQ Q1	0.1 – 12.0	07	
36 10 03	1	00 – 01	EQ Shape 1	shelv, peak	00	
36 10 04	1	34 – 4C	EQ Gain2	-12 – +12 [dB]	40	
36 10 05	1	0E – 36	EQ Frequency2	100 – 10.0 [kHz]	14	
36 10 06	1	01 – 78	EQ Q2	0.1 – 12.0	07	
	1	01	reserved			
36 10 08	1	34 – 4C	EQ Gain3	-12 – +12 [dB]	40	
36 10 09	1	0E – 36	EQ Frequency3	100 – 10.0 [kHz]	1C	
36 10 0A	1	01 – 78	EQ Q3	0.1-12.0	07	
	1		reserved			
36 10 0C	1	34 – 4C	EQ Gain4	-12 – +12 [dB]	40	
36 10 0D	1	0E – 36	EQ Frequency4	100 – 10.0 [kHz]	2C	
36 10 0E	1	01 – 78	EQ Q4	0.1 – 12.0	07	
	1		reserved			
36 10 10	1	34 – 4C	EQ Gain5	-12 – +12 [dB]	40	
36 10 11	1	1C – 3A	EQ Frequency5	0.5 – 16.0 [kHz]	34	
36 10 12	1	01 – 78	EQ Q5	0.1 – 12.0	07	
36 10 13	1	00 – 01	EQ Shape5	shelv, peak	00	

TOTAL SIZE = 20 14 (HEX)

<Table 8-2>

MIDI PARAMETER CHANGE TABLE (MULTI PART)

MODEL ID = 06xF

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
37 pp 00	1	00 - 7F	Bank Select MSB	0 - 127	3F	
37 pp 01	1	00 - 7F	Bank Select LSB	0 - 127	00	
37 pp 02	1	00 - 7F	Program Number	1 - 128	00	
37 pp 03	1	00 - 0F, 7F	Receive Channel	1 - 16, off (7F)	Part No.	
37 pp 04	1	00 - 01	Part Mode	mono, poly	01	
37 pp 05	1	01 - 7F	Velocity Limit Low	1 - 127	01	
37 pp 06	1	01 - 7F	Velocity Limit High	1 - 127	7F	
37 pp 07	1	00 - 7F	Note Limit Low	C-2 - G8	00	
37 pp 08	1	00 - 7F	Note Limit High	C-2 - G8	7F	
37 pp 09	1	10 - 58	Pitch Bend Range Upper	-48 - +24 (PB Part: -24 - +24)	42	
37 pp 0A	1	10 - 58	Pitch Bend Range Lower	-48 - +24	3E	
37 pp 0B	1	00 - 7F	Velocity Sense Depth	0 - 127	40	
37 pp 0C	1	00 - 7F	Velocity Send Offset	0 - 127	40	
37 pp 0D	1	00 - 7F	Volume	0 - 127	64	
37 pp 0E	1	01 - 7F	Pan	L63 - C - R63	40	
37 pp 0F	1		reserved			
37 pp 10	2	00 - 0F, 00 - 0F	Detune MSB Detune LSB	-12.8 - +12.7 [Hz] 1st bit3 - 0 → bit7 - 4 2nd bit3 - 0 → bit3 - 0	08 00 (80)	
37 pp 12	1	00 - 7F	Reverb Send	0 - 127	0C	
37 pp 13	1	00 - 7F	Chorus Send	0 - 127	00	
37 pp 14	1	00 - 7F	reserved		00	
37 pp 15	1	00 - 7F	Dry Level	0 - 127	7F	
37 pp 16	1	28 - 58	Note Shift	-24 - +24 [semitones]	40	
37 pp 17	1	00 - 7F	Filter Cutoff Frequency	-64 - +63	40	
37 pp 18	1	00 - 7F	Filter Resonance/Width	-64 - +63	40	
37 pp 19	1		reserved			
37 pp 1A	1	00 - 01	Portamento Switch	off, on	00	
37 pp 1B	1	00 - 7F	Portamento Time	0 - 127	40	
37 pp 1C	1	00 - 01	Portamento Mode	fingered, fulltime	01	
37 pp 1D	1		reserved			
37 pp 1E	1	00 - 7F	Output Select	0: L&R 8: asn1&2, 9: asn3&4 64 - 67: asn1, asn2, asn3, asn4 127: drum (or L&R)	00	"L&R" for parts 17-32
37 pp 1F	1	00 - 7F	reserved Arpeggio Sw Receive Control Change Receive Bank Select Receive Program Change Receive AT Receive PB	bit0: reserved bit1: Arpeggio Sw off, on bit2: off, on Control Change bit3: off, on Bank Select bit4: off, on Program Change bit5: off, on AT bit6: off, on PB	7C	
37 pp 20	1	00 - 7F	Receive Volume/Expression Receive Pan Receive Sustain/Sostenuto Receive MW	bit0: off, on Volume/Expression bit1: off, on Pan bit2: reserved bit3: off, on Sustain/Sostenuto bit4: reserved bit5: off, on MW bit6: reserved	7F	
37 pp 21	1	00 - 7F	Receive FC2 Receive FS Receive FC1 Receive BC Receive Assign 1 Receive Assign 2	bit0: off, on FC2 bit1: off, on FS bit2: off, on FC1 bit3: off, on BC bit4: off, on AS1 bit5: off, on AS2 bit6: reserved	7F	
37 pp 22	1	00 - 7F	AEG Sustain Level	-64 - +63	40	
37 pp 23	1	00 - 7F	AEG Attack Time	-64 - +63	40	
37 pp 24	1	00 - 01	Voice Pan on/off	off, on	01	Part 1 - 16
37 pp 25	1	00 - 7F	AEG Decay Time	-64 - +63	40	
37 pp 26	1	00 - 7F	AEG Release Time	-64 - +63	40	
37 pp 27	1	00 - 7F	FEG Sustain Level	-64 - +63	40	
37 pp 28	1	00 - 7F	FEG Attack Time	-64 - +63	40	
37 pp 29	1		reserved			
37 pp 2A	1	00 - 7F	FEG Decay Time	-64 - +63	40	
37 pp 2B	1	00 - 7F	FEG Release Time	-64 - +63	40	
37 pp 2C	1	00 - 7F	FEG Depth	-64 - +63	40	

Address	Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
37 pp 2D	1	00	reserved		00	
37 pp 2E	2	002E - 0136	Low Frequency MSB Low Frequency LSB	50.1 - 2.00k	00 36	Part 1 - 16
37 pp 30	1	20 - 60	Low Gain	-32 - +32	40	Part 1 - 16
37 pp 31	1	00	reserved		00	
37 pp 32	2	0053 - 0171	Mid Frequency MSB Mid Frequency LSB	139.7 - 10.1k	01 0D	Part 1 - 16
37 pp 34	1	20 - 60	Mid Gain	-32 - +32	40	Part 1 - 16
37 pp 35	1	00 - 1F	Mid Resonance	0 - 31	40	Part 1 - 16
37 pp 36	2	0103 - 017F	High Frequency MSB High Frequency LSB	503.8 - 14k	01 67	Part 1 - 16
37 pp 38	1	20 - 60	High Gain	-32 - +32	40	Part 1 - 16
37 pp 39	1	00	reserved		00	

TOTAL SIZE = 58 3A (HEX)

pp = part number

- 00 - 0F Part 1-16 (Normal, Drum)
- 60 Part Plug-in 1 (User, Preset, Direct)
- 61 Part Plug-in 2 (User, Preset, Direct)
- 10 - 1F Multi Plug-in Board Part

Function...	Transmitted	Recognized	Remarks
Basic Channel Default Changed	1 - 16 1 - 16	1 - 16 1 - 16	Memorized
Mode Default Messages Altered	X X *****	1 1 - 4 (m=1) *2 X	Memorized
Note Number : True voice	X *****	0 - 127 0 - 127	
Velocity Note ON Note OFF	X X	O v=1-127 X	
After Touch Key's Ch's	X X	X O *1	
Pitch Bend	X	O *1	
Control Change	0,32 O *1 1,7,10,11 X 6,38 X 64 X 65 X 66 X 71-75 X 91,93 X 96-97 X 100-101 X 1-95 X	O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1	Bank Select Data Entry Sustain Sw Portamento Sw Sosutenuto Sound Controller Effect Depth RPN Inc,Dec RPN LSB,MSB Assignable Cntrl
Prog Change : True #	O 0 - 127 *1 *****	O 0 - 127 *1 0 - 127 *1	
System Exclusive	O	O	
Common : Song Pos. : Song Sel. : Tune	X X X	X X X	
System : Clock Real Time : Commands	X X	O X	
Aux : All Sound Off : Reset All Cntrls : Local ON/OFF Mes- : All Notes OFF sages: Active Sense : Reset	X X X X X X	O (120,126,127) O (121) X O (123-125) O X	

Notes: *1 receive/transmit if switch is on.
 *2 m is always treated as "1" regardless of its value.