

gigKAT GS

— EXTENDED —

Manual

Safety precautions

SAFETY INSTRUCTIONS

- Read the user manual before using the device
- Do not allow any liquid to come in contact with the device
- Do not place anything on top of the device
- Do not handle the power supply with wet hands
- Turn off all connected devices before you connect any new devices

Do not use or store the device where it is exposed to:

- dampness or wetness
- extreme temperature changes (i.e. do not store in a vehicle in winter)
- strong vibrations or jolts

HANDLING

- Use only the original cables and power supply
- Remove the cable only by pulling on the plug, not on the cable
- Do not expose the power adapter to any mechanical stress

CUSTOMER SERVICE

Do not carry out any repairs at home, as this may result in permanent damage to the electronics. Any guarantee claims are no longer valid in this case.

ACCESSORIES

Manual and power

POWER REQUIREMENT

9VDC / 1.0A → Ⓢ ← +

HUMIDITY

max. 80%, non-condensing

OPERATING TEMPERATURE

10 to 40 degrees Celsius

Copyright

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Specification

- Master Volume
- Master Reverb
- 4 GB flash memory
- 16 MIDI channels
- 4 audio out (2 stereo)
- Polyphony 256 voice
- Dimensions: 6.25" (L) x 8.00" (W) x 1.45" (H)
- Weight: 1.37 lbs
- USB C

Customer Service

Contact information can be found on our website: alternatemode.com. Product documentation and downloads such as manuals, guides, firmware, and SYSEX files are available on our website. We also have a Discussion Forum and a Video Help Desk to help answer any questions you may have.

IF YOU NEED TO SEND THE gigKAT GS Extended BACK TO THE FACTORY:

If you need your module repaired or worked on for any reason, call our Customer Service staff and ask for a "Return Authorization" number. Write this "RA" number on the **outside of the box** when you send it back to Alternate Mode.

SHIPPING: If you need to ship the gigKAT GS Extended back in for a repair or an update, package the module securely with protective packaging material. Shipping expenses and proper packing of instruments shipped to Alternate Mode are the responsibility of the consumer.

Connect

To avoid possible damage to the loud speakers or other connected electronic devices, always connect all cables before turning on the amplifier. Turn on the gigKAT-GS first before turning on any active loud speakers or amplifiers.

Make sure the POWER switch on the back of the device is in the OFF position (LED light is not on).

Plug the power adapter that came with the device into the DC port on the back of the unit.

Plug the other end of the power adapter into a power outlet. Make sure that the adapter is compatible with the power supply.

Connect the audio outputs to an amplifier, active loudspeakers or headphones.

Connect the MIDI or USB cable to the gigKAT GS Unit.

To turn on

Before you turn the device on or off, make sure that all connected audio devices that amplify the audio signal (mixer, amplifier, active loud speakers) have their volumes turned down.

Press the POWER ON/OFF switch on the back of the device.

Audio out L, R output sound at maximum volume. Adjust the volume on your mixer or active loudspeaker.

Turn the VOLUME knob to adjust the headphone volume.

Unit will Automatically power off after 4 hours of inactivity.

Connect – USB C

To update the firmware for the gigKAT GS Extended, insert flash drive with .bin file into USB-C port. Turn both headphone and reverb knobs to maximum, then power on the unit. You will see the LED light flash rapidly. Remove flash drive when LED light blinks 3x repeatedly or stops flashing.

Select sounds

The gigKAT-GS sound board is a 16-channel, multi-timbral MIDI tone generator. Change sounds by sending a program change through MIDI.



ABOUT POLYPHONY

The unit offers 256 mono voices. Many sounds of the gigKAT-GS use 4 voices per note.

If you hit 10 notes at the same time, 40 voices are used. If you hold down the sustain pedal, the 40 voices are sustained and still in use. If you play again, 40 more voices are needed.

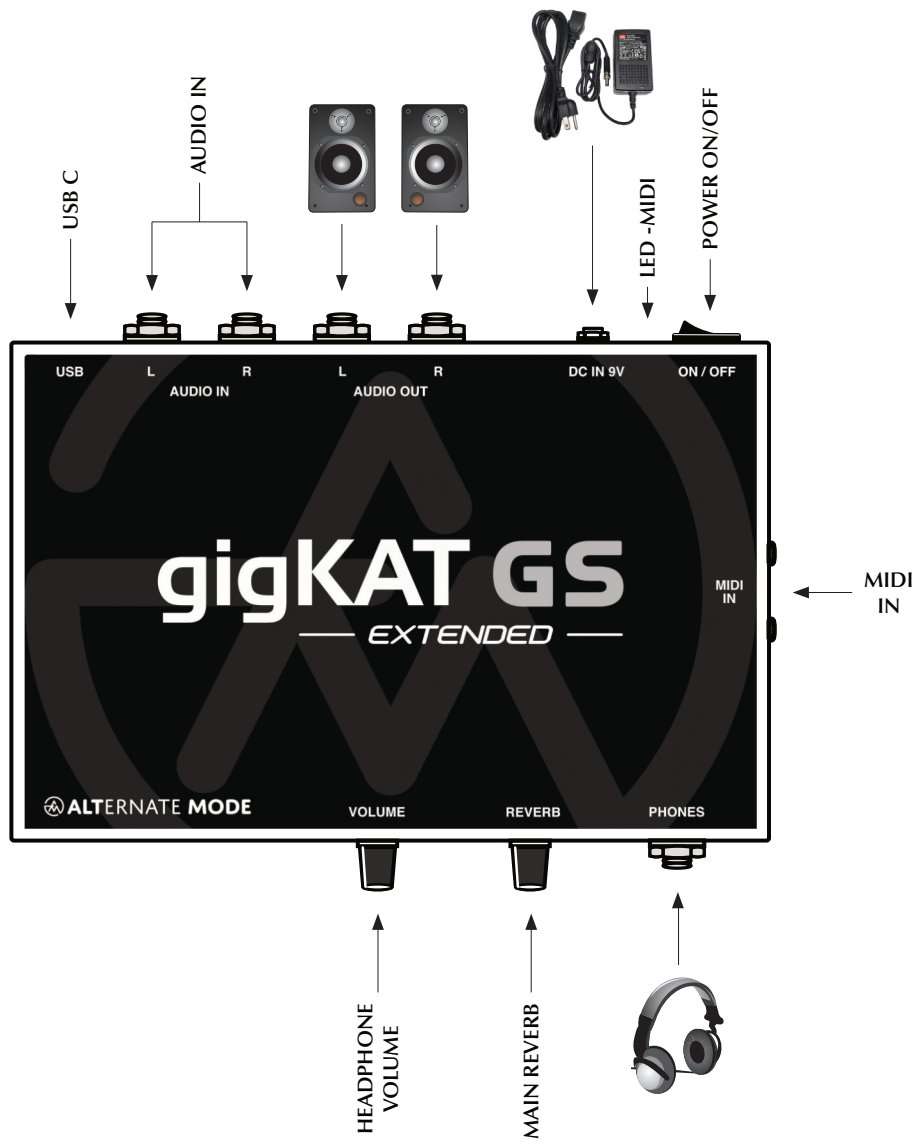
So, do not forget to release the sustain pedal!

If you exceed the Polyphony, a clicking

LEGEND

HPF	High Pass Filter
BPF	Band Pass Filter
LPF	Low Pass Filter
Notch	Notch Filter
(1)	Drm Map-Excl mode-1 note sound
velo.	Velocity split
Slide	Velocity zone 116-127 Slide up
Silence	no Sound

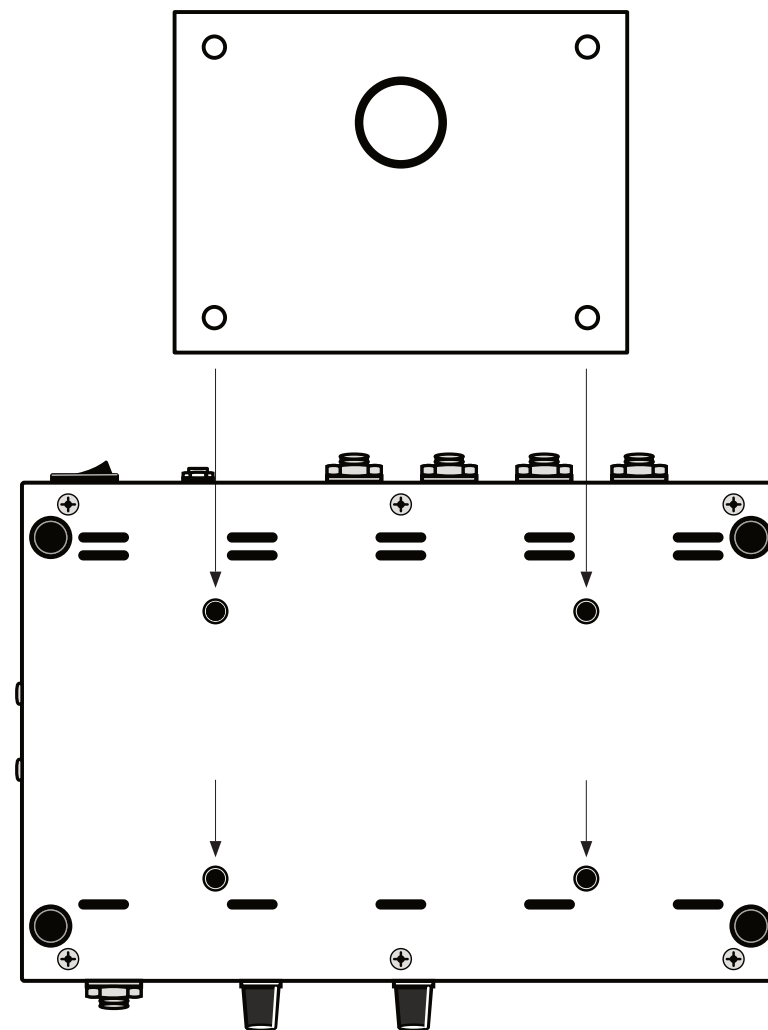
User interface and ports



Mounting Bracket

The gigKAT GS Extended is compatible with Alternate Mode's DKB mounting bracket.

- Bracket outer dimensions - 4.875" x 3.875"
- Distance between screw holes - 3.970" x 2.751"
- Post diameter - .875" (7/8)
- Post height - 2.625"
- Screw size - 10-32 x 1/2"



General MIDI

Bank MSB 0



0	Grand Piano
1	Bright Piano
2	Electric Grand Piano
3	Honky Tonk
4	E-Piano Tines
5	E-Piano FM
6	Harpsichord
7	Clavinet
8	Celesta
9	Glockenspiel
10	Music Box
11	Vibraphon
12	Marimba
13	Xylophon
14	Tubular Bell
15	Dulcimer
16	Drawbar Organ
17	Percussive Organ
18	Rock Organ
19	Church Organ
20	Reed Organ
21	Accordion
22	Harmonica
23	Accordion Tango
24	Nylon Guitar
25	Acoustic Steel
26	Jazz Guitar
27	Guitar clean
28	Guitar mute clean
29	Overdrive Guitar
30	Distortion Guitar
31	Guitar harmonics

32	Upright Jazz Bass
33	E-Bass fingered
34	E-Bass picked
35	Fretless Bass
36	Slap Bass 1
37	Slap Bass 2
38	Synth Bass 1
39	Synth Bass 2
40	Violin
41	Viola
42	Cello
43	Contrabass
44	Tremolo Strings
45	Pizzicato Strings
46	Harp
47	Timpani
48	String Ensemble 1
49	String Ensemble 2
50	Synth Strings 1
51	Synth Strings 2
52	Choir Aahs
53	Voice Dohs
54	Synth Voice
55	Orchestra Hit
56	Trumpet
57	Trombone
58	Tuba
59	Trp. Mute
60	Horn
61	Brass Section
62	Synth Brass 1
63	Synth Brass 2

General MIDI

Bank MSB 0

64	Sopran Sax
65	Alto Sax
66	Tenor Sax
67	Bariton Sax
68	Oboe
69	English Horn
70	Bassoon
71	Clarinet
72	Piccolo
73	Flute
74	Recorder
75	Pan Flute
76	Blown Bottle
77	Shakuhachi
78	Whistle
79	Ocarina
80	Square Lead
81	Saw Lead
82	Calliope
83	Chiffer Lead
84	Charang
85	Solo Vox
86	5th Saw wave
87	Bass & Lead
88	New Age
89	Warm Pad
90	Polysynth
91	Choir pad
92	Bowed
93	Metallic
94	Halo pad
95	Sweep

96	Rain
97	Soundtrack 5th
98	Crystal
99	Atmosphere
100	Brightness
101	Goblins
102	Echoes
103	Sci-fi Star
104	Sitar
105	Banjo
106	Shamisen
107	Koto
108	Kalimba
109	Bag pipe
110	Fiddle
111	Shanai
112	Tinkle Bell
113	Agogo
114	Steel Drums
115	Woodblock
116	Taiko Drum
117	Melodic Tom
118	Synth Drum
119	Reverse Cymbal
120	Guitar Noise
121	Breath Noise
122	Seashore
123	Bird
124	Telephon
125	Helicopter
126	Applaus
127	Gunshot

Piano Bank MSB 1

Prg.		
00	Grand Piano	
02	Rock Piano	
04	Classic Grand Piano	
06	Honky Tonk	
07	Grand Latin Octave	
11	Grand Piano	Layered Pad
127	Silence - no sound	

E-Piano Bank MSB 2

Prg.		
0	Electric Grand	
1	Electric Grand & Mic. Attack	
2	Electric Grand MKS	MKS & Grand
3	Electric Grand Mic. Attack	curved velocity - layer this sound
4	E-Piano MK1 Classic	
5	E-Piano MK1 Classic	soft
9	E-Piano MK1 Classic	Layered EP-FM
10	E-Piano MK1 Classic	Layered Pad
11	E-PianoV3 Bella	
12	E-PianoV3 Bella	Note-off 1 Octave up
15	E-Piano Wurl. A200	
16	E-Piano Wurl. A200	Vibrato 1
17	E-Piano Wurl. A200	Vibrato 2
18	E-Piano DX Classic	
19	E-Piano FM	
127	Silence - no sound	

Organ Bank MSB 3

Prg.		
0	Organ776555678 slow	slow Rotary
1	Organ776555678 fast	fast Rotary
2	Organ800000568 slow	slow Rotary
3	Organ800000568 fast	fast Rotary
4	Organ008530000 slow	slow Rotary
5	Organ008530000 fast	fast Rotary
6	Organ800000000 slow	slow Rotary
7	Organ800000000 fast	fast Rotary
8	Organ807800000 slow	slow Rotary
9	Organ807800000 fast	fast Rotary
10	Organ804708000 slow	slow Rotary
11	Organ804708000 fast	fast Rotary
12	Organ800008000 slow	slow Rotary
13	Organ800008000 fast	fast Rotary
14	Organ800000008 slow	slow Rotary
15	Organ800000008 fast	fast Rotary
18	Organ 888 perc slow	
19	Rock Organ	
20	Ham Full	
28	Theatre Organ Mighty Tower	
38	Organ House	
39	Combo Retro Vibrato 1	
40	Combo Retro Vibrato 2	
41	Classic Organ Tutti 1	
118	Theatre Organ Glocken Hit	
119	Theatre Organ Glocken short	
120	Theatre Organ Glocken Reiteration	
121	Theatre Organ Xylophone Hit	
122	Theatre Organ Xylo. Reiteration	
123	Theatre Organ Xylo. Hit & Reiteration	
124	T. O. Glocken Reiteration	velocity dynamic
126	T. O. Xylo Reiteration	velocity dynamic
127	Silence - no sound	

Perc. Tuned Instr. Bank MSB 5

Prg.	
0	Music Box
1	Music Box octave delay
2	Music Box octave delay - soft Attack
3	Vibraphone
4	Vibraphone short Release
5	Vibraphone soft Attack
6	Vibraphone no Vibrato
7	Vibraphone no Vibrato shot Release
8	Vibraphone fast Tremolo
9	Celeste
10	Tinkle
11	Marimba
12	Marimba octave delay
13	Marimba & Xylophone
14	Xylophone
15	Xylophone octave delay
16	Tubular Bell
17	Tubular Bell 2
18	Timpani
19	Kalimba
20	Cortales
21	Steel drums
127	Silence - no sound

String Instr. Bank MSB 6

Prg.	
0	Harpsichord
1	Harpsichord & Octave
2	Clavinet 1
3	Clavinet 2
4	Zither
5	Dulcimer 3 strings
6	Dulcimer 3 strings+
7	Dulcimer 3 strings Tremolo
8	Dulcimer 3 strings bowed
9	Dulcimer 5 strings
10	Dulcimer 5 strings+
11	Dulcimer 5 strings Tremolo
12	Dulcimer 5 strings bowed
13	Harp
14	Harp long
16	Sitar
17	Shamisen
18	Koto
127	Silence - no sound

Guitar Bank MSB 7

Prg.	
00	Guitar Nylon
01	Guitar Nylon soft
02	Guitar Nylon Octave
03	G. Nylon Slide velo. 116-127
04	Guitar Nylon Harmonics
05	Guitar Steel 1
06	Guitar Steel 1 soft
07	Guitar Steel 1 hard
08	Guitar Steel 1 double
09	Guitar Steel 1 mute
10	Guitar Steel 1 bowed
11	Guitar Steel 2
12	Guitar Steel 2 soft Attack
13	Guitar Steel 3
14	Guitar Steel 3 soft Attack
15	Banjo
16	Banjo Slide velo. 116-127
21	Git. Jazz 1
22	Git. Jazz 2
23	Git. Jazz & Octave
24	Pedal Steel Vibrato
25	Pedal Steel
26	Pedal Steel bowed
27	P. Steel Slide velo. 116-127
32	E-Guitar 1 US clean
33	E-Guitar 1 US mute
34	E-Guitar 2 BR clean HPF
35	E-Guitar 2 BR mute HPF
36	E-Guitar Overdrive
37	E-Guitar Distortion
127	Silence - no sound

Accordion Bank MSB 8

Prg.	
00	Harmonica
01	Harmonica Slide velo. 116-127
03	Accordina
04	Accordion Musette 888
07	Accordion Musette 4+888+16
08	Accordion Musette Vintage Italian
13	Accordion Musette 888 Benelux
17	Accordion 88 French
18	Accordion 88+16
19	Accordion 4+88
20	Accordion 4+88+16
21	Tango 8+16
22	Tango 8+16 Repetition
23	Accordion Celeste 88 French
24	Accordion Celeste 88+16
28	Accordion Super VI - Reed 8
30	Accordion Super VI - Reed 88
31	Accordion Super VI - Reed 4+16
38	Accordion 16
56	Melodeon Tradition Norway „Corona“
117	Jew's harp
127	Silence - no sound

Full Strings & Disco Strings

Bank MSB 9

Prg.		
00	Full Strings 1 Chamber Emotion	velocity to Attack
01	Full Strings 1 Chamber short	Release shot
02	Full Strings 1 Chamber medium	Release medium
03	Full Strings 1 Chamber long	Release long
04	Full Strings 1 Chamber slow	Slow Attack
05	Full Strings 2 short	Release shot
06	Full Strings 2 medium	Release medium
07	Full Strings 2 long	Release long
08	Full Strings 2 forte	forte only
09	Full Strings 2 piano	piano only
10	Full Strings 3 Emotion	velocity to Attack time
11	Full Strings 3 FAD	layered 4
12	Full Strings 3 slow	slow
13	Full Strings 3	standard
14	Full Strings Tremolo	
15	Full Strings Pizzicato	

Solo Strings

Bank MSB 10

Prg.		
0	Geige	
1	Geige	soft Attack
9	Classic Solo Violin	velocity dynamic
10	Classic Solo Violin	marcato
16	Classic Solo Viola	velocity dynamic
17	Classic Solo Viola	marcato
23	Classic Solo Cello	velocity dynamic
24	Classic Solo Cello	marcato
30	Classic Solo Contra Bass	velocity dynamic
31	Classic Solo Contra Bass	marcato
127	Silence - no sound	

Synth Strings

Bank MSB 11

Prg.		
0	Strings PWM	
1	Strings PWM - up	
2	Strings PWM - ENV	
3	Strings PWM - notch	
4	Strings MKS	
5	Strings MKS II	
6	Strings MKS LP24	
7	Strings MKS Rise	
8	Strings Retro Solino	
9	Stringmaster Retro	

Prg.		
10	Strings M12	
11	Strings M12	
12	Strings M12	
13	Strings M12 Notch	
14	Strings M12 Notch	
15	Strings M12 Notch	
127	Silence - no sound	

Brass Solo

Bank MSB 12

Prg.		
0	Trumpet 1	velo. split 48 - 96
1	Trumpet 1	velo. split 64
2	Trumpet 1	piano only
3	Trumpet 1	mezzo only
4	Trumpet 1	forte only
5	Trumpet 1	velocity zone 116-127 fall
6	Trumpet 1	velocity zone 116-127 goup
7	Trumpet 1	velocity zone 116-127 Slide
19	Cornet	
20	Cornet	soft
21	Cornet	hard
22	Cornet	portamento Attack
23	Trumpet mute	
24	Trumpet mute AV	Repetition / Auto Variation
25	Flugelhorn	
26	Trombone Vibrato	
35	Tuba	
36	Tuba soft	
127	Silence	no sound

Brass Section

Bank MSB 13

Prg.		
0	US Trumpet Section	dynamic split
3	US Trumpet Section fast fall	fast fall
4	US Trumpet Section medium fall	medium fall
5	US Trumpet Section Split	velo. 116-127 fall
15	Flugelhorn Duo	
16	Tenorhorn Ensemble Vibrato	
127	Silence - no sound	

Classic Brass

Bank MSB 14

Prg.		
06	Classic Horn Solo	
07	Classic Horn Solo	piano
20	Horn Ensemble	velocity split
21	Horn Ensemble	piano only
127	Silence - no sound	

Saxophon

Bank MSB 15

Prg.			
00	Soprano Sax	dynamic split	
01	Soprano Sax softer	softer zones	
02	Soprano Sax harder	harder zones	
03	Soprano Sax and noise	breath noise	
04	Soprano Sax Slide	velo. 116-127 Slide	
06	Alto Sax	dynamic split	
07	Alto Sax softer	softer zones	
08	Alto Sax harder	harder zones	
09	Alto Sax breath	breath noise	
10	Alto Sax Slide	velo. 116-127 Slide	
11	Tenor Sax	dynamic split	
12	Tenor Sax softer	softer zones	
13	Tenor Sax harder	harder zones	
14	Tenor Sax breath	breath noise	
15	Tenor Sax Slide	velo. 116-127 Slide	
16	Max Jazz Tenor	velo. split 116	Random Key & breath noise
17	Max Jazz Tenor	velo. split 64	Random Key & breath noise
18	Max Jazz Tenor soft	soft only	Random Key & breath noise
19	Max Jazz Tenor	velo. split 96	
20	Max Jazz Tenor Vibrato less delay	velo. split 96	
21	Max Jazz Tenor soft	soft only	breath noise
22	Max Jazz Tenor Slide	velo. 116-127 Slide	Random Key & breath noise
23	Max Jazz Tenor Slide soft	velo. 116-127 Slide	Random Key & breath noise
24	Tenor Sax Funky		
27	Baritone Sax		
127	Silence - no sound		

Winds

Bank MSB 16

Prg.		
0	Clarinet	
1	Clarinet soft	
2	Clarinet Slide	velocity zone 116-127 Slide
3	Hugo Clarinet - no loop	
4	Hugo Clarinet Slide	velocity zone 116-127 Slide
5	Clarinet Vito Tradition	2 zone velocity Repetition
6	Clarinet Vito Tradition	4 zone velocity
7	Clarinet Vito Tradition soft	soft velocity 1-97
10	Piccolo	
11	Flute	
12	Flute EQ	
13	Flute High Pass Filter	
14	Low Whistle	
15	Panflute	
20	Bottle	
21	Bottle Q	
22	Bottle LFO	
23	Whistle	
24	Okarina	
30	Border Pipe	
31	Border Pipe AV	Auto Grace note
33	Border Pipe Drone	
127	Silence	no sound

Choir

Bank MSB 18

Prg.		
00	Classic Choir Aah	
01	Classic Choir Aah	Filter
02	Classic Choir Ooh	
03	Classic Choir Ooh	Filter
04	Choir Pop Ooh	
05	Choir Pop Ooh	Filter
08	Boys Aah	
09	Boys Bap	
10	Boys Daa	
11	Boys Doo Bass	
12	Boys Doo	
13	Boys Falsetto Ooh	
14	Boys Hmm	
15	Boys Laa	
16	Boys Mix Ooh	
17	Boys Ooh	
18	Girls Aah	
19	Girls Doo	
20	Girls Ooh	
21	Voiceless	
126	Voice Kit	mapping like Drum Kit 58
127	Silence - no sound	

Bass Bank MSB 19

Prg.		
00	E-Bass 1	
01	E-Bass 1 & Note-off	
02	E-Bass 1 Slide	velocity zone 116-127 Slide
03	E-Bass 2	
04	E-Bass 2 & Note-off	
07	E-Bass 4	
08	E-Bass 5 Picking 1	
09	E-Bass 5 Picking 1 & Note-off	
15	E-Bass Fretless	
16	E-Bass Slap 1	
17	E-Bass Slap 1 & Note-off	
18	E-Bass Slap 2	
19	E-Bass Slap 2 & Note-off	
20	Upright Jazz Bass	Random
21	Upright Jazz Bass & Note-off	Random
22	Upright Jazz Bass	velocity split at 96 & 105
23	Upright Jazz Bass & Note-off	velocity split at 96 & 105
24	Upright Jazz Bass	velocity split 120
25	Upright Jazz Bass & Note-off	velocity split 120
26	Upright Jazz Bass	no finger Attack
34	Bowed Upright Bass	
35	Bowed Upright Bass	shorter Release
127	Silence	no sound

Synthesizer Bank MSB 20

Prg.		
0	Bells & Pad	
1	Digital Pad	
2	OBX & Wavebell	
3	DX1 Toy	
4	Star Theme	
5	Brightness	
6	OB & Noise	
7	Atmos	
8	Brass Comp	
9	Brass Rex	
10	Polysynth Classic	
11	Halo Pad	
12	Caliope	
13	Charang	
14	Fairly Space	
15	Echo Drop	
16	VF Vox	
17	Bass & Lead	
18	Fantasia	
19	Bowed Glass	
20	Soft Pad	
21	Ice Rain	
22	Goblin	
23	SoundTrack	
24	Atmosguitar	
25	Bottle soft	
26	Polysynth Classic 5th	
27	SquareLead	
28	P5Brass	
29	Saw	

Prg.		
30	SawEnv	
31	C-Lead	
32	SoloVox	
33	MetalPad	
34	JunoSweep	
35	Vangbrass	
36	Crystal	
37	FM8	
38	Mo55	
39	DXBell	
40	OBS1	
41	OBSOft	
42	Hook	
43	FMPluk	
44	FMBrazz	
45	Ice	
46	BoHook	
54	Vibrimba	
64	M12Brass	
71	Brazza	
79	KX11	
82	JPArp	
83	JX Barimba	

Synthesizer & Bass

Bank MSB 20

Prg.	
116	Classic Synth Bass
117	Classic Synth Bass Rezo
118	JBass 1
119	JBass 2
120	JBass 3
121	JBass soft
122	CS Classic Bass
123	MoBass
124	MoBass ENV
125	XBass 1
126	XBass 2
127	Silence - no sound

FX & Percussion

Bank MSB 21

Prg.		
00	Orchestra Hit Major	
01	Orchestra Hit Minor	
62	Synth FX down	
63	Synth FX up	
64	Drum Kit	Map Drum Kit 0
66	Classic Percussion	Map Drum Kit 48
127	Silence - no sound	

Marimba

Bank MSB 46

Prg.		
0	Marimba stereo	Curve hard vel. 96 - hard layer vol -3db
1	Marimba stereo	Curve hard vel. 96 - hard layer vol -5db
2	Marimba stereo	Curve hard vel. 96 - hard layer vol -7db
3	Marimba stereo	Curve medium vel. 61- hard layer vol -3db
4	Marimba stereo	Curve medium vel. 61 - hard layer vol -5db
5	Marimba stereo	Curve medium vel. 61 - hard layer vol -7db
6	Marimba stereo	soft layer only
7	Marimba stereo Copy 0 - soft atk.	Curve hard vel. 96 - hard layer vol -3db
8	Marimba stereo Tremolo 2.9	Curve hard vel. 96 - hard layer vol -7db
9	Marimba stereo Tremolo 3.9	Curve hard vel. 96 - hard layer vol -7db
10	Marimba stereo Tremolo 4.9	Curve hard vel. 96 - hard layer vol -7db
11	Marimba stereo Tremolo 5.9	Curve hard vel. 96 - hard layer vol -7db
12	Marimba stereo Tremolo 2.9	Curve medium vel. 61 - hard layer vol -2db
13	Marimba stereo Tremolo 3.9	Curve medium vel. 61 - hard layer vol -2db
14	Marimba stereo Tremolo 4.9	Curve medium vel. 61 - hard layer vol -2db
15	Marimba stereo Tremolo 5.9	Curve medium vel. 61 - hard layer vol -2db
16	Marimba stereo Tremolo 2.9	soft layer only
17	Marimba stereo Tremolo 3.9	soft layer only
18	Marimba stereo Tremolo 4.9	soft layer only
19	Marimba stereo Tremolo 5.9	soft layer only
20	Marimba stereo dynamic detune	Curve hard vel. 96 - hard layer vol -3db
21	Marimba stereo dynamic detune	Curve hard vel. 96 - hard layer vol -7db
22	Marimba stereo dynamic detune	Curve hard vel. 61 - hard layer vol -3db
23	Marimba stereo dynamic detune	Curve hard vel. 61 - hard layer vol -7db
24	Marimba stereo detune	Curve hard vel. 96 - hard layer vol -3db
25	Marimba stereo detune	Curve hard vel. 61 - hard layer vol -7db
26	Marimba stereo dynamic LFO	Curve hard vel. 96 - hard layer vol -3db
27	Marimba stereo dynamic LFO	Curve hard vel. 96 - hard layer vol -7db
28	Marimba stereo dynamic LFO	Curve hard vel. 61 - hard layer vol -3db
29	Marimba stereo dynamic LFO	Curve hard vel. 61 - hard layer vol -7db
30	Marimba stereo dynamic LFO	soft layer only
31	Marimba stereo	one sample only A
32	Marimba stereo	one sample only B
33	Marimba stereo Copy 0 - no RR	Curve hard vel. 96 - hard layer vol -3db
34	Marimba stereo Copy 6 - no RR	soft layer only
35	Marimba stereo Copy 6 - no RR	Curve hard vel. 96 - hard layer vol -3db - soft attack

Vibraphone 1 stereo

Bank MSB 47

Prg.		
0	Vibraphone 1 stereo	Curve soft vel. 30 - hard layer vol -3db
1	Vibraphone 1 stereo	Curve soft vel. 30 - hard layer vol -3db no RRRobin*
2	Vibraphone 1 stereo	Curve medium vel. 70 - hard layer vol -3db
3	Vibraphone 1 stereo	Curve medium vel. 70 - hard layer vol -7db
4	Vibraphone 1 stereo	Curve hard vel. 96 - hard layer vol -3db
5	Vibraphone 1 stereo	Curve hard vel. 96 - hard layer vol -7db no RRRobin*
6	Vibraphone 1 stereo Tremolo 2.9 (30)	Curve soft vel. 30 - hard layer vol -3db
7	Vibraphone 1 stereo Tremolo 3.9	Curve soft vel. 30 - hard layer vol -3db
8	Vibraphone 1 stereo Tremolo 4.9	Curve soft vel. 30 - hard layer vol -3db
9	Vibraphone 1 stereo Tremolo 5.9	Curve soft vel. 30 - hard layer vol -3db
10	Vibraphone 1 stereo Tremolo 2.9	Curve soft vel. 30 - hard layer vol -7db
11	Vibraphone 1 stereo Tremolo 3.9	Curve soft vel. 30 - hard layer vol -7db
12	Vibraphone 1 stereo Tremolo 4.9	Curve soft vel. 30 - hard layer vol -7db
13	Vibraphone 1 stereo Tremolo 5.9	Curve soft vel. 30 - hard layer vol -7db
14	Vibraphone 1 stereo Tremolo 2.9 (70)	Curve soft vel. 70 - hard layer vol -3db
15	Vibraphone 1 stereo Tremolo 3.9	Curve soft vel. 70 - hard layer vol -3db
16	Vibraphone 1 stereo Tremolo 4.9	Curve soft vel. 70 - hard layer vol -3db
17	Vibraphone 1 stereo Tremolo 5.9	Curve soft vel. 70 - hard layer vol -3db
18	Vibraphone 1 stereo Tremolo 2.9	Curve soft vel. 70 - hard layer vol -7db
19	Vibraphone 1 stereo Tremolo 3.9	Curve soft vel. 70 - hard layer vol -7db
20	Vibraphone 1 stereo Tremolo 4.9	Curve soft vel. 70 - hard layer vol -7db
21	Vibraphone 1 stereo Tremolo 5.9	Curve soft vel. 70 - hard layer vol -7db
22	Vibraphone 1 stereo Tremolo 2.9 (96)	Curve soft vel. 96 - hard layer vol -3db
23	Vibraphone 1 stereomolo 3.9	Curve soft vel. 96 - hard layer vol -3db
24	Vibraphone 1 stereo Tremolo 4.9	Curve soft vel. 96 - hard layer vol -3db
25	Vibraphone 1 stereo Tremolo 5.9	Curve soft vel. 96 - hard layer vol -3db
26	Vibraphone 1 stereo Tremolo 2.9	Curve soft vel. 96 - hard layer vol -7db
27	Vibraphone 1 stereo Tremolo 3.9	Curve soft vel. 96 - hard layer vol -7db
28	Vibraphone 1 stereo Tremolo 4.9	Curve soft vel. 96 - hard layer vol -7db
29	Vibraphone 1 stereo Tremolo 5.9	Curve soft vel. 96 - hard layer vol -7db
30	Vibraphone 1 stereo	layer only soft
31	Vibraphone 1 stereo Tremolo 2.9	layer only soft
32	Vibraphone 1 stereo Tremolo 3.9	layer only soft
33	Vibraphone 1 stereo Tremolo 4.9	layer only soft
34	Vibraphone 1 stereo	layer only soft no RRRobin*

* RRRobin - Round Robin - Round-robin is a method of sample playback which allows you to play different sampled versions of the same sound, resulting in natural variations in otherwise static patterns.

Vibraphone 1 stereo

Bank MSB 47

Prg.		
35	Vibraphone 1 stereo - go up	Curve soft vel. 30 - hard layer vol -3db
36	Vibraphone 1 stereo - go up	Curve soft vel. 93 - hard layer vol -3db
37	Vibraphone 1 stereo - only as layer	Curve soft vel. 30 - hard layer vol -3db
38	Vibraphone 1 stereo - only as layer	Curve soft vel. 70 - hard layer vol -3db
39	Vibraphone 1 stereo - only as layer	Curve soft vel. 90 - hard layer vol -3db
127	Silence - no sound	

Vibraphone 2

Bank MSB 48

Prg.		
0	Vibraphone 2	Curve soft vel. 30 - hard layer vol -10db
1	Vibraphone 2	Curve soft vel. 30 - hard layer vol -7db
2	Vibraphone 2	Curve soft vel. 56 - hard layer vol -10db
3	Vibraphone 2	Curve soft vel. 56 - hard layer vol -7db
4	Vibraphone 2	Curve soft vel. 72 - hard layer vol -10db
5	Vibraphone 2	Curve soft vel. 72 - hard layer vol -7db
6	Vibraphone 2	Curve soft vel. 96 - hard layer vol -10db
7	Vibraphone 2	Curve soft vel. 96 - hard layer vol -7db
8	Vibraphone 2	Curve soft vel. 114 - hard layer vol -7db
9	Vibraphone 2	soft layer only

Vibraphone 2

Bank MSB 48

Prg.		
10	Vibraphone 2 Tremolo 2.9	Curve soft vel. 30 - hard layer vol -10db
11	Vibraphone 2 Tremolo 3.9	Curve soft vel. 30 - hard layer vol -10db
12	Vibraphone 2 Tremolo 4.9	Curve soft vel. 30 - hard layer vol -10db
13	Vibraphone 2 Tremolo 5.9	Curve soft vel. 30 - hard layer vol -10db
14	Vibraphone 2 Tremolo 2.9	Curve soft vel. 30 - hard layer vol -7db
15	Vibraphone 2 Tremolo 3.9	Curve soft vel. 30 - hard layer vol -7db
16	Vibraphone 2 Tremolo 4.9	Curve soft vel. 30 - hard layer vol -7db
17	Vibraphone 2 Tremolo 5.9	Curve soft vel. 30 - hard layer vol -7db
18	Vibraphone 2 Tremolo 2.9	Curve soft vel. 96 - hard layer vol -10db
19	Vibraphone 2 Tremolo 3.9	Curve soft vel. 96 - hard layer vol -10db
20	Vibraphone 2 Tremolo 4.9	Curve soft vel. 96 - hard layer vol -10db
21	Vibraphone 2 Tremolo 5.9	Curve soft vel. 96 - hard layer vol -10db
22	Vibraphone 2 Tremolo 2.9	Curve soft vel. 96 - hard layer vol -7db
23	Vibraphone 2 Tremolo 3.9	Curve soft vel. 96 - hard layer vol -7db
24	Vibraphone 2 Tremolo 4.9	Curve soft vel. 96 - hard layer vol -7db
25	Vibraphone 2 Tremolo 5.9	Curve soft vel. 96 - hard layer vol -7db
26	Vibraphone 2 Tremolo 2.9	soft layer only
27	Vibraphone 2 Tremolo 3.9	soft layer only
28	Vibraphone 2 Tremolo 4.9	soft layer only
29	Vibraphone 2 Tremolo 5.9	soft layer only
30	Vibraphone 2 go up	Curve soft vel. 30 - hard layer vol -10db
31	Vibraphone 2 go up	Curve soft vel. 96 - hard layer vol -7db
32	Vibraphone 2 Bend	Curve soft vel. 30 - hard layer vol -10db
33	Vibraphone 2 Bend	Curve soft vel. 96 - hard layer vol -7db
34	Vibraphone 2 - only as layer	Curve soft vel. 30 - hard layer vol -3db
35	Vibraphone 2 - only as layer	Curve soft vel. 70 - hard layer vol -3db
36	Vibraphone 2 - only as layer	Curve soft vel. 90 - hard layer vol -3db
127	Silence - no sound	

Vibraphone 3

Bank MSB 49

Prg.		
0	Vibraphon 3 MC	
1	Vibraphon 3 MC	softer dynamic layer freq
2	Vibraphon 3 MC	softer dynamic layer volume and freq.
3	Vibraphone 3 Tremolo 2.9	
4	Vibraphone 3 Tremolo 3.9	
5	Vibraphone 3 Tremolo 4.9	
6	Vibraphone 3 Tremolo 5.9	
7	Vibraphone 3 Tremolo 2.9	softer dynamic layer freq
8	Vibraphone 3 Tremolo 3.9	softer dynamic layer freq
9	Vibraphone 3 Tremolo 4.9	softer dynamic layer freq
10	Vibraphone 3 Tremolo 5.9	softer dynamic layer freq
11	Vibraphone 3 Tremolo 2.9	softer dynamic layer volume and freq.
12	Vibraphone 3 Tremolo 3.9	softer dynamic layer volume and freq.
13	Vibraphone 3 Tremolo 4.9	softer dynamic layer volume and freq.
14	Vibraphone 3 Tremolo 5.9	softer dynamic layer volume and freq.
15	Vibraphone 3	bowed
127	Silence - no sound	

Mallets

Bank MSB 50

Prg.		
0	Xylophone	
1	Xylophone	filter curve
2	Xylophone	only as layer
3	Glockenspiel 1	Release 780
4	Glockenspiel 1	Release 680
5	Glockenspiel 1	Release 570
6	Glockenspiel 1	Decay 590
7	Glockenspiel 1	only as layer
8	Glockenspiel 2	-
9	Cortales	Decay 750
10	Cortales	Decay 580
11	Cortales	Decay 530
12	Cortales	Tremolo 4
13	Cortales	Tremolo 5
14	Cortales	only as layer
15	Timpani 1	
16	Timpani 2	4 layer
17	Timpani 2	3 layer
18	Timpani 2	2 layer
19	Timpani 2	only forte
20	MC Timpani 3	4 layer - sp. 32/64 /116 stereo pan
21	MC Timpani 3	4 layer - sp. 32/64/96 stereo pan
22	MC Timpani 3	4 layer - sp. 32/64/116
23	MC Timpani 3	4 layer - sp. 32/64/96
24	MC Timpani 3	3 layer - sp. 32/95
25	MC Timpani 3	3 layer - sp. 48/84
26	MC Timpani 3	2 layer - sp. 95
27	MC Timpani 3 (low velo. up)	4 layer - sp. 32/64 /116 stereo pan
28	MC Timpani 3 (low velo. up)	4 layer - sp. 32/64/96 stereo pan
29	MC Timpani 3 (low velo. up)	4 layer - sp. 32/64/116
30	MC Timpani 3 (low velo. up)	4 layer - sp. 32/64/96
31	MC Timpani 3 (low velo. up)	3 layer - sp. 32/95
32	MC Timpani 3 (low velo. up)	3 layer - sp. 48/84
33	MC Timpani 3 (low velo. up)	2 layer - sp. 95

Mallets

Bank MSB 50

Prg.		
34	MC Chimes	long release
35	MC Chimes	medium release
36	MC Chimes	short release
37	MC Chimes Round Robin	long release
38	MC Chimes Round Robin	medium release
39	MC Chimes Round Robin	short release
40	MC Chimes	LFO slow
41	Celesta	
42	Celesta	short release
43	Celesta	LFO 2.9
44	Celesta	LFO 3.9
45	Celesta	LFO 4.9
46	Celesta	High Pass Filter
47	Steel Drum	
48	Steel Drum	only as layer to use
49	Steel Drum Mix 1	
50	Steel Drum Mix 2	
51	Steel Drum Mix delay	only for experiment
127	Silence	no sound

Prg.		
00	FM Vibra	
01	FM Vibra	soft attack
02	FM Vibra	Tremolo 2.9
03	FM Vibra	Tremolo 3.9
04	FM Vibra	Tremolo 4.9
05	FM Vibra	Tremolo 5.9
06	Wooden Hit	Release 700
07	Wooden Hit	Decay 700
08	Wooden Hit	soft attack
09	X-Bell	Release 700
10	X-Bell	Decay 700
11	X-Bell	soft attack
12	FM-Tubula	Release 700
13	FM-Tubula	Decay 700
14	FM-Tubula	soft attack
15	FM-Steel	Release 700
16	FM-Steel	Decay 700
17	FM-Steel	soft attack
18	SynPan	Release 700
19	SynPan	Decay 700
20	SynPan	soft attack
21	Hard Mallet Syn	
22	Synth Tackl	
23	Synth Tackl	soft attack
24	Reso noise	stereo
25	Reso noise	mono
26	Reso C note	only C
127	Silence	no sound

Chromatic - Tuned Percussion

MSB 52

Prg.	Instrument		ID no.
00	Tumba	Latin	60102
01	Tumba & Dynamic	Latin	60102
02	Timbales Hembra & Dynamic	Latin	60108
03	Timbales Hembra	Latin	60108
04	Timbales Macho	Latin	60107
05	Timbales Macho & Dynamic	Latin	60107
06	Surdo Low	Latin	60121-01
07	Surdo Low & Dynamic	Latin	60121-01
08	Agogo Low	Latin	60113-01
09	Cowbell 3 Cha Cha Bell	Latin	60109
10	Triangle High	Latin	60010
11	Tabla Articulation TA	India	60401
12	Tabla Articulation TIN	India	60401
13	Japan Bowls Low	Japan	60514a
14	Japan Bowls Low slow attack HPF	Japan	60514a
15	Japan Bowls Low fade in NOTCH	Japan	60514a
16	Japan Bowls Mid	Japan	60514b
17	Japan Bowls Mid slow attack NOTCH	Japan	60514b
18	Japan Bowls High	Japan	60514c
19	Japan Bowls High slow attack NOTCH	Japan	60514c
20	Japan Bowls High fade in HPF	Japan	60514c
21	Gamelan	Indonesia	60039-00
22	Gamelan & Octave	Indonesia	60039-01
23	Gamelan & Quinte	Indonesia	60039-02
24	Gamelan & Oct. Delay	Indonesia	60039-03
25	Gamelan Soft Attack	Indonesia	60039-04
26	Angklung Chromatic & Tremolo	Indonesia	60037
27	Angklung Full Stroke	Indonesia	60037
28	Angklung Short Stroke	Indonesia	60037
29	Angklung Loop Tremolo (ENV hold)	Indonesia	60037
30	Gong Chromatic	World	60510
31	Hang 1 Chromatic (note 98-105 slap articulations)	World	35064
32	Hang 1 Chrom. Soft (note 98-105 slap articulations)	World	35064
33	Hang 1 Chrom. Oct. (note 98-105 slap articulations)	World	35064
34	Hang 1 Chrom. housing reso. (note 98-105 slap a.)	World	35064

Chromatic - Tuned Percussion

MSB 52

Prg.	Instrument		ID no.
35	Hang 2 Chromatic	World	35065
36	Bianzhong Mallet	China	95028
37	Bianzhong Mallet & dynamic layer	China	95028
38	Bianzhong Mallet / NOTCH	China	95028
39	Gong	China	95029
40	Gong & dynamic layer	China	95031
41	Banbang	China	95032
42	Bell	China	95033
43	Large Bell	China	95034
44	Large Bell & dynamic layer	China	95034
45	Qing	China	95039
46	Qing & dynamic layer	China	95039
47	Renart EK	Thailand	60601
48	Renart EK & dynamic layer	Thailand	60601
49	Renart Toom	Thailand	60602
50	Ta Pon Big	Thailand	60603
51	Ta Pon Big & dynamic layer octave	Thailand	60603
52	Wong	Thailand	60611
53	Wong & dynamic layer	Thailand	60611
54	Wong & dynamic layer quinte	Thailand	60611
55	Wong & dynamic layer octave	Thailand	60611
56	Kalimba	Africa	35014
75	Steel Drums A	Caribbean	35029
58	Steel Drums B	Caribbean	35061
59	Alpine Bells Hit (Notch)	Alpin	35017-01
60	Alpine Bells Tremolo (Notch)	Alpin	35017-02
61	Sonic Mallet Chromatic	World	35063
62	Sonic Mallet Chromatic & Hang 2 Stroke+	World	35063

Chromatic - Tuned Percussion Orchestra

MSB 50

Prg.	Instrument		ID no.
52	Timpani C soft sample with less attack	Orchestra	35010
53	Timpani P soft sample with less attack	Orchestra	35018

Percussion - Latin

MSB 60

Prg.	Instrument		ID no.	Art.
00	Tumba 1	Latin	60102	12
01	Conga 1	Latin	60101	12
02	Quinto 1	Latin	60100	12
03	Tumba 2	Latin	60030-20-79	10
04	Conga 2	Latin	60030-20-80	10
05	Quinto 2	Latin	60030-20-81	12
06	Bongo 1 Hembra	Latin	60105	12
07	Bongo 1 Macho	Latin	60104	12
08	Bongo 2 Hembra	Latin	60030-01	11
09	Bongo 2 Macho	Latin	60030-01	8
10	Timbales Hembra	Latin	60108	12
11	Timbales Macho	Latin	60107	12
12	Pandeiro Mute	Latin	60119-01	12
13	Pandeiro Choro	Latin	60119-02	12
14	Pandeiro Samba	Latin	60119-03	12
15	Surdo 1 High	Latin	60121	12
16	Surdo 1 Low	Latin	60121	12
17	Surdo 2 Low	Latin	60030-18	10
18	Tamborim 1	Latin	60122	8
19	Tamborim 2	Latin	60030-37	11
20	Agogo Low	Latin	60113-01	9
21	Agogo Medium	Latin	60113-02	9
22	Agogo High	Latin	60113-03	9
23	Claves Low	Latin	60116	7
24	Jamblock	Latin	60110	4
25	Cowbell 1 Cha Cha Bell	Latin	60109	9
26	Cowbell 2 Bongo Bell	Latin	60103	10
27	Cowbell 3 Low	Latin	60029d	10
28	Cowbell 4 Low	Latin	60029e	10
29	Cowbell 5 High	Latin	60308	7
30	Cowbell 6 High	Latin	60030-44	11
31	Cowbell 7 Low	Latin	60030-44	9
32	Triangle 1 Low	Latin	60123	8
33	Triangle 2 High	Latin	60010	6
34	Triangle 3 High	Latin	60030-63	11

Percussion - Latin

MSB 60

Prg.	Instrument		ID no.	Art.
35	Guiro 1	Latin	60117	11
36	Guiro 2	Latin	60030-70	9
37	Guiro 3	Latin	60313	9
38	Guira 1	Latin	60117	8
39	Guira 2	Latin	60312	10
40	Caxixi High	Latin	60015	12
41	Caxixi Medium	Latin	60015	12
42	Caxixi Low	Latin	60015	12
43	Shekere	Latin	60120	6
44	Maracas 1	Latin	60018	4
45	Maracas 2	Latin	60029b	8
46	Maracas 3	Latin	60315	6
47	Maracas 4	Latin	60030-46	17
48	Maracas Metal	Latin	60030-47	9
49	Cabasa	Latin	60030-43	5
50	Shaker	Latin	60318	17
51	Crotales	Latin	60124	4
52	Caixa	Latin	60114	9
53	Quika	Latin	60030-32	17
54	Vibraslap 1	Latin	60012	5
55	Tambourine 1	Latin	60304	8
56	Tambourine 2	Latin	60305	12
57	Tambourine 3	Latin	60030-39	8
58	Tambourine 4	Latin	60000	6
59	Samba Whistle	Latin	60316	6
60	Grand Casa 32" S	Latin	54034-01e1	1
61	Grand Casa 32" M	Latin	54034-01c1	1
100	Tumba - Conga - Quinto	Latin		
101	Bongo Hembra Macho	Latin		
102	Timbales Hembra Macho	Latin		
103	Pandeiro Choro Mute Samba	Latin		
104	Surdo Low High	Latin		
105	Cowbell 1 - 4	Latin		
106	Agogo Low Mid High	Latin		
107	Caixixi Low Mid High	Latin		
108	Cowbell 1+2, Tamburim, Jamblock, Guiro, Triangle	Latin		

Percussion - India

MSB 61

Prg.	Instrument		ID no.	Art.
00	Tabla 1 C	India	60401	12
01	Tabla 1 C#	India	60401	12
02	Tabla 1 D	India	60401	12
03	Tabla 1 D#	India	60401	12
04	Tabla 1 E	India	60401	12
05	Tabla 1 F	India	60401	12
06	Tabla 1 F#	India	60401	12
07	Tabla 1 G	India	60401	12
08	Tabla 1 G#	India	60401	12
09	Tabla 1 A	India	60401	12
10	Tabla 1 A#	India	60401	12
11	Tabla 1 B	India	60401	12
12	Bayan Big Drum 1	India	60401	12
13	Bayan Big Drum 1 - tuned + 1 semi tone	India	60401	12
14	Bayan Big Drum 1 - tuned + 2 semi tone	India	60401	12
15	Bayan Big Drum 1 - tuned min 4 semi tone	India	60401	12
16	Kohl	India	60408	12
17	Ghattam 1	India	60409	9
18	Tabla 2	India	60030-34	14
19	Bayan Big Drum 2	India	60030-19	14
20	Mrdangam	India	60030-30	12
21	Pakhavaj	India	60030-31	18
22	Ghattam 2	India	60151	14
23	Kanjira	India	60030-06	11
24	Indian Female	India	60410	20

Percussion - Turkey & Middle East

MSB 62

Prg.	Instrument		ID no.	Art.
00	Arbane	Turkey	60161	16
01	Asma Davul	Turkey	60162	15
02	Bas Darbuka	Turkey	60163	20
03	Bendir 1	Turkey	60164	22
04	Bendir 2	Turkey	60166	17
05	Bongo	Turkey	60167	11
06	Darbuka	Turkey	60168	24
07	Def 1	Turkey	60170	25
08	Def 2	Turkey	60171	22
09	El Zilli 1	Turkey	60172	6
10	El Zilli 2	Turkey	60173	6
11	Firca	Turkey	60174	15
12	Hollo	Turkey	60175	15
13	Kabuk	Turkey	60176	11
14	Kasik	Turkey	60178	7
15	Prmak Zil	Turkey	60179	8
16	Sekir 1	Turkey	60180	6
17	Sekir 2	Turkey	60181	7
18	Tumba 1	Turkey	60182	14
19	Tumba 2	Turkey	60183	10
20	Zilli Cubuk	Turkey	60184	9
21	Tupan Drum	Middel East	60030-00	19
22	Metal Riq	Middel East	60030-08	16
23	Riq	Middel East	60030-09	15
24	Gaval	Middel East	60030-14	18
25	Tar	Middel East	60030-38	14
26	Bendir 3	Middel East	60030-12	20

Percussion - Asia

MSB 63

Prg.	Instrument		ID no.	Art.
00	Bejing Opera	China	95027	11
01	Bianzhong Mallet	China	95028	25
02	Gong China	China	95029	13
03	Kuaiban	China	95030	12
04	Big Drum	China	95031	9
05	Banbang	China	95032	7
06	Bell	China	95033	7
07	Large Bell	China	95034	6
08	Medium Cymbal	China	95036	8
09	Small Cymbal	China	95035	5
10	Large Cymbal	China	95037	13
11	Muyu	China	95038	6
12	Qing	China	95039	7
13	Shenbo	China	95040	5
14	Slide Bell	China	95041	4
15	Small Bell	China	95042	7
16	Chinese Tambourine	China	60030-02	12
17	Chinese Tom	China	60030-03	11
18	Ta Pon Big	Thailand	60603	7
19	Ta Pon Small	Thailand	60604	6
20	Charp Small	Thailand	60605	6
21	Charp Medium	Thailand	60606	7
22	Charp Large	Thailand	60607	9
23	Klong	Thailand	60608	11
24	Perng Mang	Thailand	60609	12
25	Ching	Thailand	60610	9
26	Spike Tree	World	60030-73	12
27	Taiko 1	Japan	60022	15
28	Taiko 2	Japan	60515c	12b
29	Ohkawa	Japan	60515f	6
30	Hyoshigi	Japan	60515b	3
31	Gong Hit & Action roll	Asia	60518b	8
32	Tibet Gong	Tibet	60517a	8
33	Tibet Bell	Tibet	60517b	6
34	Temple Bells	Tibet	60030-62	8
35	Anklung	Indonesien	60030-66	10

Percussion - Orchestra

MSB 64

Prg.	Instrument		ID no.	Art.
00	Grand Casa 32"		54034-01a1	1
01	-"-	soft zones	54034-01a2	1b
02	Grand Casa 32"		54034-01b1	1
03	-"-	soft zones	54034-01b2	1b
04	Grand Casa 32"		54034-01c1	1
05	Grand Casa 1		60501	16b
06	Concert Cymbals 1		60502-CSY	19
07	Grand Casa & Cymbals 1		60501+02	19
08	Grand Casa 2		60300	14
09	Concert Cymbals 2		60302-18	6
10	Concert Cymbals 3		60302-19	7
11	Grand Casa & Cymbals 3		60300+02	14
12	Classic Snare 1		60509 503	15
13	Cymbal 18"		60502-C18	15
14	Cymbal 24"		60502-C24	15
15	Cymbal Roll		60311	4
16	Gong		60309	11
17	Tam Tam 1		60508	14
18	Tam Tam 2		60319	6
19	Triangle 1		60504	13
20	Triangle 2		60303	12
21	Large tambourine		60325	17
22	Small tambourine		60326	11
23	Claves		60505-02	7
24	Castagnets		60505-01	5
25	Cowbell		60505-03	9
26	Tambourine		60506	10
27	Tempelblock		35066	7
100	Orchestra Percussion 43-47 Grand Casa 32" 48-59 Grand Casa 60-78 Concert Cymbals 79-83 Cymbal 24" 84-92 Snare 93 up TamTam, Gong, Triangle, Claves, Tambourine			

Percussion - Africa

MSB 65

Prg.	Instrument		ID no.	Art.
00	Djembe	Africa	60112	12
01	Djembe Low	Africa	60112	12
02	Djembe	Africa	60030-27	14
03	Dumbac	Africa	60030-28	13
04	Dumbac High	Africa	60030-29	13
05	Small Moroccan Bongo	Africa	60030-10	7
06	Maroccan Bongo L	Africa	60030-07	9
07	Maroccan Bongo H	Africa	60030-07	10
08	Bata Large	African	60030-21	12
09	Bata Medium	African	60030-22	12
10	Bata Small	African	60030-23	12
11	Talking Drum Large	Africa	60030-35	14
12	Talking Drum Small	Africa	60030-36	15
13	Igba	African	60030-15	10
14	Sakara	Africa	60030-33	12
15	Soogoo	World	60030-17	19
16	Donke Rattle /Vibraslap	Africa	60030-45	6

Percussion - Human

MSB 66

Prg.	Instrument		ID no.	Art.
00	Clap Single	Human	60031+06a	23
01	Clap Group	Human	60031+06b	7
02	Body Percussion	Human	60026	16
03	Body Percussion Group	Human	60200	11
04	Room Clapper	Human	60030-72	10
05	Finger Snap	Human	60032	10
06	Blopp Single	Human	60038	4
07	Oktoberfest 6 shouts	Human	90002	12
08	Hey	Human	90001	6

Percussion - World

MSB 67

Prg.	Instrument		ID no.	Art.
00	Bass Drum	World	60030-11	12b
01	Oil Drum	World	60030-16	19
02	Frame Drum	World	60030-13	31
03	Bohdran	Celtic	60033	20
04	Pipe Snare	Celtic	50003	7
05	Cajon 1	World	60177	22
06	Cajon 2	World	60112	10
07	Cajon 3 Large	World	60030-24	11
08	Cajon 4 Small	World	60030-25	15
09	Cajon 5	World	60034	20
10	Clay Bongos High	World	60030-04	9
11	Clay Bongos Low	World	60030-04	9
12	Clay Drum	World	60030-05	16
13	Clay Pot	World	60030-26	11
14	Cave Drum	World	60513	6
15	Washboard	World	60035	10
16	Woodblock	World	60029e	3
17	Woodlog	World	60030-20	10
18	Wood Stick	World	60030-78	7
19	Spoons	World	60030-60	7
20	Pu Shaker	Hawaii	60157	7
21	Puili Rattles	Hawaii	60156	8
22	Kaiaaw	Hawaii	60155	7
23	Kae Keeke	Hawaii	60154	6
24	Ipu Gourd	Hawaii	60153	7
25	Ili Ili	Hawaii	60152	3
26	Metal Shaker	World	60030-49	12
27	Metal Shaker R	World	60030-50	10
28	Shaker Tree	World	60030-58	8
29	Triple Shaker	World	60030-64	12
30	Beat Pot	World	60030-40	12
31	Rainmaker	World	60150	6
32	Rusty Rattle	World	60030-56	7
33	Metal Rattle	World	60030-48	14
34	Metal Shoes	World	60030-51	11

Percussion - World

MSB 67

Prg.	Instrument		ID no.	Art.
35	Wood Bells	World	60030-65	8
36	Sleigh Bells	World	60030-59	12
37	Bell Stick	World	60030-42	8
38	Chimes	World	60005	8
39	Bell Tree Chimes	World	60030-41	8
40	Bamboo Chimes	World	60512	4
41	Metalospheres	World	60030-52	9
42	Metalospheres Small	World	60030-53	6
43	Wind Chimes	World	60030-54	6
44	Wind Chimes	World	60511	8
45	Chimes	World	60310	3
46	Wood Tree	World	60030-55	7
47	Mini Cymbal	World	60317	6
48	Ratchet	World	60030-71	7
49	Broom	World	60030-68	8
50	Flexaton	World	60518a	3
51	Devil Chaser	World	60030-69	6
52	Lotus Flute	World	60323	5
53	Benzasard	World	60030-67	7
54	Spinner Large	World	60030-74	5
55	Spinner Medium	World	60030-75	8
56	Spinner Small	World	60030-76	7
57	Spinning Tube	World	60030-77	5
58	Saw Sounding	World	60030-57	9
59	Tinkerbell	FX	90112	5

Nr.	Prg. 0 Standard Kit	Prg. 1 Standard Kit	Prg. 2 Standard Kit	Prg. 3 Standard Kit	Prg. 4 Standard Kit	Prg. 5 Standard Kit	Prg. 6 Standard Kit	Prg. 7	Nr.	Prg. 0 - 7
	Standard Kit									
	Dance Kick	~	~	~	~	~	~	Snare QA Latin	E 64	Conga low [Repetition]
G 8	Dance Kick	~	~	~	~	~	~	Snare QA Latin	F 65	Timbale high [Repetition]
A 9	Dance Kick	~	~	~	~	~	~	Snare QA Latin	66	Timbale low [Repetition]
10	Dance Kick	~	~	~	~	~	~	Snare QA Latin	G 67	Agogo high [Repetition]
11	Dance Kick	~	~	~	~	~	~	Snare QA Latin	68	Agogo low [Repetition]
C 12	Dance Kick	~	~	~	~	~	~	Snare QA Latin	A 69	Cabasa [Repetition]
13	Surdo Mute	~	~	~	~	~	~	~	70	Maracas [Repetition]
D 14	Surdo Open	~	~	~	~	~	~	~	71	Whistle
15	Hi Q	~	~	~	~	~	~	~	C 72	Whistle
E 16	Whipe Slap	~	~	~	~	~	~	~	73	Guiro short
F 17	Scratch	~	~	~	~	~	~	~	D 74	Guiro long
18	Scratch	~	~	~	~	~	~	~	75	Claves
G 19	Finger Snap	~	~	~	~	~	~	~	E 76	Woodblock low
20	Click Noise	~	~	~	~	~	~	~	F 77	Woodblock hi
A 21	Metronom Click	~	~	~	~	~	~	~	78	Cuica mute
22	Metronom Bell	~	~	~	~	~	~	~	G 79	Cuica open
23	Seq. Click	~	~	~	~	~	~	~	80	Triangle mute (5)
C 24	Seq. Click	~	~	~	~	~	~	~	A 81	Triangle open (5)
25	Brush Tap	~	~	~	~	~	~	~	82	Shaker
D 26	Brush Swirl	~	~	~	~	~	~	~	83	Jingle Bell
27	Brush Slap	~	~	~	~	~	~	~	C 84	Chimes
E 28	Brush Tap Swirl	~	~	~	~	~	~	~	85	Tamburin Hit 1
F 29	Snare Roll	~	~	~	~	~	~	~	D 86	Tamburin Hit 2
30	Castagnet	~	~	~	~	~	~	~	87	Tamburin Hit 3
G 31	Snare soft LS Cravio.	Snare soft EZ GMS Piccolo	Snare soft EZ Roge.	Snare soft LS Bronze	Snare soft QA 5.5 Radio King	Snare soft LS SG	Snare soft CR	Snare soft QA Latin	E 88	Tamburin Hit 4
32	Sticks	~	Sticks	~	~	~	~	~	F 89	E-Snare
A 33	Bass Drum LS Ludw.	Bass Drum EZGMS 2	Bass Drum EZ GMS	Bass Drum LS Studio	Bass Drum QA MAS	Bass Drum AD LL	Bass Drum Modern 1	Bass Drum QA Latin	90	E-Snare
34	SnareVar. LS Cravio.	SnareVar. EZ GMS Piccolo	SnareVar. EZ Roge.	SnareVar. LS Bronze	SnareVar. QA 5.5 Radio King	SnareVar. LS SG	SnareVar. CR	SnareVar. QA Latin	G 91	E-Snare
35	Bass Drum LS Ludw.	Bass Drum EZ GMS 2	Bass Drum EZ GMS	Bass Drum LS Studio	Bass Drum QA MAS	Bass Drum AD LL	Bass Drum Modern 2	Bass Drum QA Latin	92	E-Snare
C 36	Bass Drum LS Ludw.	Bass Drum EZ GMS 2	Bass Drum EZ GMS	Bass Drum LS Studio	Bass Drum QA MAS	Bass Drum AD LL	Bass Drum Modern 3	Bass Drum QA Latin	A 93	E-Snare
37	Sidestick LS Cravio.	Sidestick EZB Piccolo	Sidestick EZ Roge.	Sidestick LS Bronze	Sidestick QA 5.5 Radio King	Sidestick LS SG	Sidestick CR	Sidestick QA Latin	94	E-Snare
D 38	Snare LS Cravio.	Snare EZB Piccolo	Snare EZ Roge	Snare LS Bronze	Snare QA 5.5 Radio King	Snare LS SG	Snare CR	Snare QA Latin	95	E-Snare
39	Clap	~	~	~	~	~	~	~	C 96	E-Snare
E 40	Snare Rimshot LS Cravio.	Snare Rimshot EZB Piccolo	Snare Rimshot EZ Roge.	Snare Rimshot LS Bronze	Snare RS QA 5.5 Radio King	Snare Rimshot LS SG	Snare Rimshot CR	Snare Rimshot QA Latin	97	E-Snare
F 41	Tom Low Low EZ GMS	~	~	~	~	~	~	~	D 98	E-Snare
42	HiHat closed (0)	~	~	~	~	~	~	~	99	E-Snare
G 43	Tom Low EZ GMS	~	~	~	~	~	~	~	E 100	E-Snare
44	HiHat Pedal (0)	~	~	~	~	~	~	~	F 101	E-Snare
A 45	Tom Medium L. EZ GMS	~	~	~	~	~	~	~	102	E-Snare
46	HiHat open (0)	~	~	~	~	~	~	~	G 103	E-Snare
47	Tom Medium EZ GMS	~	~	~	~	~	~	~	104	E-Claps
C 48	Tom High EZ GMS	~	~	~	~	~	~	~	A 105	E-Claps
49	Crash Cymbal 1	~	~	~	~	~	~	~	106	E-Claps
D 50	Tom High High EZ GMS	~	~	~	~	~	~	~	107	E-Claps
51	Ride Cymbal 1 [Repetition]	~	~	~	~	~	~	~	C 108	E-Claps
E 52	China Cymbal	~	~	~	~	~	~	~	109	Claps Hit 1
F 53	Ride Cup	~	~	~	~	~	~	~	D 110	Claps Hit 2
54	Tambourin [Repetition]	~	~	~	~	~	~	~	111	Claps Hit 3
G 55	Splash Cymbal	~	~	~	~	~	~	~	E 112	Claps Hit 4
56	Cowbell	~	~	~	~	~	~	~	F 113	Stomp 1
A 57	Crash Cymbal 2	~	~	~	~	~	~	~	114	Stomp 2
58	Vibraslap	~	~	~	~	~	~	~	G 115	Stomp 3
59	Ride Cymbal 2 [Repetition]	~	~	~	~	~	~	~	116	Reverse Stomp
C 60	Bongo high [Repetition]	~	~	~	~	~	~	~	A 117	Reverse Snare
61	Bongo low [Repetition]	~	~	~	~	~	~	~	118	Reverse Clap
D 62	Conga mute [Repetition]	~	~	~	~	~	~	~	119	Reverse BD
63	Conga open [Repetition]	~	~	~	~	~	~	~	C 120	HiHat Open 1/2
									121	Cym. Crash NL
									D 122	Cym. Ride NL
									123	Cym. Cup NL
									E 124	Cym. Splash NL
									125	Reverse Cym.

Nr.	Prg. 8 Overhead Kit	Prg. 9 Overhead Kit	Prg. 10 Overhead Kit	Prg. 11 Overhead Kit	Prg. 12 Overhead Kit	Prg. 13 Overhead Kit	Prg. 14 Overhead Kit	Prg. 15	Nr.	Prg. 8 - 15
	Overhead Kit									
	Dance Kick	~	~	~	~	~	~	~	E 64	Conga low [Repetition]
G 8	Dance Kick	~	~	~	~	~	~	~	F 65	Timbale high [Repetition]
A 9	Dance Kick	~	~	~	~	~	~	~	66	Timbale low [Repetition]
10	Dance Kick	~	~	~	~	~	~	~	G 67	Agogo high [Repetition]
11	Dance Kick	~	~	~	~	~	~	~	68	Agogo low [Repetition]
C 12	Dance Kick	~	~	~	~	~	~	~	A 69	Cabasa [Repetition]
13	Surdo Mute	~	~	~	~	~	~	~	70	Maracas [Repetition]
D 14	Surdo Open	~	~	~	~	~	~	~	71	Whistle
15	Hi Q	~	~	~	~	~	~	~	C 72	Whistle
E 16	Whipe Slap	~	~	~	~	~	~	~	73	Guiro short
F 17	Scratch	~	~	~	~	~	~	~	D 74	Guiro long
18	Scratch	~	~	~	~	~	~	~	75	Claves
G 19	Finger Snap	~	~	~	~	~	~	~	E 76	Woodblock low
20	Click Noise	~	~	~	~	~	~	~	F 77	Woodblock hi
A 21	Metronom Click	~	~	~	~	~	~	~	78	Cuica mute
22	Metronom Bell	~	~	~	~	~	~	~	G 79	Cuica open
23	Seq. Click	~	~	~	~	~	~	~	80	Triangle mute (5)
C 24	Seq. Click	~	~	~	~	~	~	~	A 81	Triangle open (5)
25	Brush Tap	~	~	~	~	~	~	~	82	Shaker
D 26	Brush Swirl	~	~	~	~	~	~	~	83	Jingle Bell
27	Brush Slap	~	~	~	~	~	~	~	C 84	Chimes
E 28	Brush Tap Swirl	~	~	~	~	~	~	~	85	Tamburin Hit 1
F 29	Snare Roll	~	~	~	~	~	~	~	D 86	Tamburin Hit 2
30	Castagnet	~	~	~	~	~	~	~	87	Tamburin Hit 3
G 31	Snare softQA 12x15 WFL	Snare softQA 4x14SW	Snare softQA 4x15 Ludw.	Snare softQA 5x14 Leedy	Snare softQA 5x14 Ludwig	Snare softQA 6.5x14 Lud.	Snare softQA Black Beauty	Snare softQA 7x14 Radio K.	E 88	Tamburin Hit 4
32	Sticks	~	~	~	~	~	~	~	F 89	E-Snare
A 33	Bass Drum EZ GMS	Bass Drum EZ GMS 2	Bass Drum LS Ludw.	Bass Drum AD LL	Bass Drum QA Latin	Bass Drum AD Tam.	Bass Drum LS IC	Bass Drum LS Studio	90	E-Snare
34	SnareVar. QA 12x15 WFL	SnareVar. QA 4x14SW	SnareVar. QA 4x15 Ludw.	SnareVar. QA 5x14 Leedy	SnareVar. QA 5x14 Ludw.	SnareVar. QA 6.5x14 Lud.	SnareVar. QA Black Beauty	SnareVar. QA 7x14 Radio K.	G 91	E-Snare
35	Bass Drum EZ GMS	Bass Drum EZ GMS 2	Bass Drum LS Ludw.	Bass Drum AD LL	Bass Drum QA Latin	Bass Drum AD Tam.	Bass Drum LS IC	Bass Drum LS Studio	92	E-Snare
C 36	Bass Drum EZ GMS	Bass Drum EZ GMS 2	Bass Drum LS Ludw.	Bass Drum AD LL	Bass Drum QA Latin	Bass Drum AD Tam.	Bass Drum LS IC	Bass Drum LS Studio	A 93	E-Snare
37	Sidestick QA 12x15 WFL	Sidestick QA 4x14SW	Sidestick QA 4x15 Ludw.	Sidestick QA 5x14 Leedy	Sidestick QA 5x14 Ludw.	Sidestick QA 6.5x14 Lud.	Sidestick QA Black Beauty	Sidestick QA 7x14 Radio K.	94	E-Snare
D 38	Snare QA 12x15 WFL	Snare QA 4x14SW	Snare QA 4x15 Ludw.	Snare QA 5x14 Leedy	Snare QA 5x14 Ludw.	Snare QA 6.5x14 Lud.	Snare QA Black Beauty	Snare QA 7x14 Radio K.	95	E-Snare
39	Clap	~	~	~	~	~	~	~	C 96	E-Snare
E 40	Snare RS QA 12x15 WFL	Snare RimshotQA 4x14SW	Snare RS QA 4x15 Ludw.	Snare RS QA 5x14 Leedy	Snare RS QA 5x14 Ludw.	Snare RS QA 6.5x14 Lud.	Snare RS QA Black Beauty	Snare RS QA 7x14 Radio K.	97	E-Snare
F 41	Tom Low EZ GMS Overhead	~	~	~	~	~	~	~	D 98	E-Snare
42	HiHat closed (0)	~	~	~	~	~	~	~	99	E-Snare
G 43	Tom Low EZ GMS Overhead	~	~	~	~	~	~	~	E 100	E-Snare
44	HiHat Pedal (0)	~	~	~	~	~	~	~	F 101	E-Snare
A 45	Tom M. L. EZ GMS Overhead	~	~	~	~	~	~	~	102	E-Snare
46	HiHat open (0)	~	~	~	~	~	~	~	G 103	E-Snare
47	Tom M. EZ GMS Overhead	~	~	~	~	~	~	~	104	E-Claps
C 48	Tom High EZ GMS Overhead	~	~	~	~	~	~	~	A 105	E-Claps
49	Crash Cymbal 1	~	~	~	~	~	~	~	106	E-Claps
D 50	Tom High High EZ GMS Ov.	~	~	~	~	~	~	~	107	E-Claps
51	Ride Cymbal 1 [Repetition]	~	~	~	~	~	~	~	C 108	E-Claps
E 52	China Cymbal	~	~	~	~	~	~	~	109	Claps Hit 1
F 53	Ride Cup	~	~	~	~	~	~	~	D 110	Claps Hit 2
54	Tambourin [Repetition]	~	~	~	~	~	~	~	111	Claps Hit 3
G 55	Splash Cymbal	~	~	~	~	~	~	~	E 112	Claps Hit 4
56	Cowbell	~	~	~	~	~	~	~	F 113	Stomp 1
A 57	Crash Cymbal 2	~	~	~	~	~	~	~	114	Stomp 2
58	Vibraslap	~	~	~	~	~	~	~	G 115	Stomp 3
59	Ride Cymbal 2 [Repetition]	~	~	~	~	~	~	~	116	Reverse Stomp
C 60	Bongo high [Repetition]	~	~	~	~	~	~	~	A 117	Reverse Snare
61	Bongo low [Repetition]	~	~	~	~	~	~	~	118	Reverse Clap
D 62	Conga mute [Repetition]	~	~	~	~	~	~	~	119	Reverse BD
63	Conga open [Repetition]	~	~	~	~	~	~	~	C 120	HiHat Open 1/2
									121	Cym. Crash NL
									D 122	Cym. Ride NL
									123	Cym. Cup NL
									E 124	Cym. Splash NL
									125	Reverse Cym.

	Nr.	Prg. 16 Power Kit	Prg. 17 Power Kit	Prg. 18 Power Kit	Prg. 19 Power Kit
G	7	Dance Kick	~	~	~
	8	Dance Kick	~	~	~
A	9	Dance Kick	~	~	~
	10	Dance Kick	~	~	~
	11	Dance Kick	~	~	~
C	12	Dance Kick	~	~	~
	13	Surdo Mute	~	~	~
D	14	Surdo Open	~	~	~
	15	Hi Q	~	~	~
E	16	Whipe Slap	~	~	~
F	17	Scratch	~	~	~
	18	Scratch	~	~	~
G	19	Finger Snap	~	~	~
	20	Click Noise	~	~	~
A	21	Metronom Click	~	~	~
	22	Metronom Bell	~	~	~
	23	Seq. Click	~	~	~
C	24	Seq. Click	~	~	~
	25	Brush Tap	~	~	~
D	26	Brush Swirl	~	~	~
	27	Brush Slap	~	~	~
E	28	Brush Tap Swirl	~	~	~
F	29	Snare Roll	~	~	~
	30	Castagnet	~	~	~
G	31	Snare soft AD Sono	Snare soft LS Ludw.	Snare soft QA Gadd Power	Snare soft QA Gadd Power
	32	Sticks	~	~	~
A	33	Bass Drum AD Tama	Bass Drum QA Gadd	Bass Drum LS Ludwig	Bass Drum AD LL
	34	SnareVar. AD Sonor	SnareVar. LS Ludw.	SnareVar. QA Gadd Power	SnareVar. QA Gadd Power
	35	Bass Drum AD Tama	Bass Drum QA Gadd	Bass Drum LS Ludwig	Bass Drum AD LL
C	36	Bass Drum AD Tama	Bass Drum QA Gadd	Bass Drum LS Ludwig	Bass Drum AD LL
	37	Sidestick AD Sono	Sidestick LS Ludw.	Sidestick QA Gadd Power	Sidestick QA Gadd Power
D	38	Snare AD Sono	Snare LS Ludw.	Snare QA Gadd Power	Snare QA Gadd Power
	39	Clap	~	~	~
E	40	Snare Rimshot AD Sono	Snare Rimshot LS Ludw.	Snare RS QA Gadd Power	Snare RS QA Gadd Power
F	41	Tom Low SG	~	~	~
	42	HiHat closed (0)	~	~	~
G	43	Tom Low SG	~	~	~
	44	HiHat Pedal (0)	~	~	~
A	45	Tom M. L. SG	~	~	~
	46	HiHat open (0)	~	~	~
	47	Tom M. SG	~	~	~
C	48	Tom High SG	~	~	~
	49	Crash Cymbal 1	~	~	~
D	50	Tom High High SG	~	~	~
	51	Ride Cymbal 1 [Repetition]	~	~	~
E	52	China Cymbal	~	~	~
F	53	Ride Cup	~	~	~
	54	Tambourin [Repetition]	~	~	~
G	55	Splash Cymbal	~	~	~
	56	Cowbell Rock	Cowbell Rock	Cowbell Rock	Cowbell Rock
A	57	Crash Cymbal 2	~	~	~
	58	Vibraslap	~	~	~
	59	Ride Cymbal 2 [Repetition]	~	~	~
C	60	Bongo high [Repetition]	~	~	~
	61	Bongo low [Repetition]	~	~	~
D	62	Conga mute [Repetition]	~	~	~
	63	Conga open [Repetition]	~	~	~

	Nr.	Prg. 16 - 19
E	64	Conga low [Repetition]
F	65	Timbale high [Repetition]
	66	Timbale low [Repetition]
G	67	Agogo high [Repetition]
	68	Agogo low [Repetition]
A	69	Cabasa [Repetition]
	70	Maracas [Repetition]
	71	Whistle
C	72	Whistle
	73	Guiro short
D	74	Guiro long
	75	Claves
E	76	Woodblock low
F	77	Woodblock hi
	78	Cuica mute
G	79	Cuica open
	80	Triangle mute (5)
A	81	Triangle open (5)
	82	Shaker
	83	Jingle Bell
C	84	Chimes
	85	Tamburin Hit 1
D	86	Tamburin Hit 2
	87	Tamburin Hit 3
E	88	Tamburin Hit 4
F	89	E-Snare
	90	E-Snare
G	91	E-Snare
	92	E-Snare
A	93	E-Snare
	94	E-Snare
	95	E-Snare
C	96	E-Snare
	97	E-Snare
D	98	E-Snare
	99	E-Snare
E	100	E-Snare
F	101	E-Snare
	102	E-Snare
G	103	E-Snare
	104	E-Claps
A	105	E-Claps
	106	E-Claps
	107	E-Claps
C	108	E-Claps
	109	Claps Hit 1
D	110	Claps Hit 2
	111	Claps Hit 3
E	112	Claps Hit 4
F	113	Stomp 1
	114	Stomp 2
G	115	Stomp 3
	116	Reverse Stomp
A	117	Reverse Snare
	118	Reverse Clap
	119	Reverse BD
C	120	HiHat Open 1/2
	121	Cym. Crash NL
D	122	Cym. Ride NL
	123	Cym. Cup NL
E	124	Cym. Splash NL
	125	Reverse Cym.

	Nr.	Prg. 24 Dance Kit	Prg. 25 Electro Kit	Prg. 26 808/909 Kit	Prg. 27 909 Kit	Prg. 28 Analog Kit	Prg. 29 Dance Kit	Prg. 30 Dance Kit	Prg. 31 House Kit		Nr.	Prg. 24 - 31
G	7	E-Kick	~	~	~	~	~	~	~	E	64	E-Conga low
	8	E-Kick	~	~	~	~	~	~	~	F	65	E-Timbale high
A	9	E-Kick	~	~	~	~	~	~	~		66	E-Timbale low
	10	E-Kick	~	~	~	~	~	~	~	G	67	E-Agogo high
	11	E-Kick	~	~	~	~	~	~	~		68	E-Agogo low
C	12	E-Kick	~	~	~	~	~	~	~	A	69	E-Cabasa
	13	E-Kick	~	~	~	~	~	~	~		70	E-Maracas
D	14	E-Kick	~	~	~	~	~	~	~		71	E-Whistle
	15	Hi Q	~	~	~	~	~	~	~	C	72	E-Whistle
E	16	Whipe Slap	~	~	~	~	~	~	~		73	E-Guiro short
F	17	Scratch	~	~	~	~	~	~	~	D	74	E-Guiro long
	18	Scratch	~	~	~	~	~	~	~		75	E-Claves
G	19	Finger Snap	~	~	~	~	~	~	~	E	76	E-Woodblock low
	20	Click Noise	~	~	~	~	~	~	~	F	77	E-Woodblock hi
A	21	Metronom Click	~	~	~	~	~	~	~		78	E-Cuica mute
	22	Metronom Bell	~	~	~	~	~	~	~	G	79	E-Cuica open
	23	Seq. Click	~	~	~	~	~	~	~		80	E-Triangle mute
C	24	Seq. Click	~	~	~	~	~	~	~	A	81	E-Triangle open
	25	E-Kick	~	~	~	~	~	~	~		82	E-Shaker
D	26	E-Kick	~	~	~	~	~	~	~		83	E-Jingle Bell
	27	E-Kick	~	~	~	~	~	~	~	C	84	E-Chimes
E	28	E-Kick	~	~	~	~	~	~	~		85	Tamburin Hit 1
F	29	E-Kick	~	~	~	~	~	~	~	D	86	Tamburin Hit 2
	30	E-Kick	~	~	~	~	~	~	~		87	Tamburin Hit 3
G	31	Elec Snare	~	~	~	~	~	~	~	E	88	Tamburin Hit 4
	32	E-Kick	~	~	~	~	~	~	~	F	89	E-Snare
A	33	E-Kick	~	~	~	~	~	~	~		90	E-Snare
	34	Elec Snare	~	~	~	~	~	~	~	G	91	E-Snare
	35	Dance BD	Elec BD	909 BD	909 BD	606 BD	Dance BD	Dance BD	Dance BD		92	E-Snare
C	36	Dance BD	Elec BD	808 BD	909 BD	80 BD	Dance BD	Dance BD	Dance BD	A	93	E-Snare
	37	Rim 808	Rim 808	808 Rim	909 Rim	606 Rim	909 Rim	909 Rim	909 Rim		94	E-Snare
D	38	Elec Snare 1	Elec Snare	808 Snare	909 Snare	808 Snare	Dance Snare	Dance Snare	Dance Snare		95	E-Snare
	39	Clap 808	Clap 808	Clap 808	Clap 808	Clap 80	Hit Clap	Hit Clap	Hit Clap	C	96	E-Snare
E	40	Elec Snare 2	Elec Snare 2	909 Snare	909 Snare	Snare 85	Dance Snare	Dance Snare	Dance Snare		97	E-Snare
F	41	Elec Tom 909	Elec Tom 80 Lin.	808 Tom	909 Tom	808 Tom	909 Tom	909 Tom	909 Tom	D	98	E-Snare
	42	HH 909	HH elec	808 HHat cl.	909 HHat cl.	HHat cl. 85	909 HHat cl.	909 HHat cl.	909 HHat cl.		99	E-Snare
G	43	Elec Tom 909	Elec Tom 80 Lin.	808 Tom	909 Tom	Tom 85	909 Tom	909 Tom	909 Tom	E	100	E-Snare
	44	HH 909	HH elec	808 HHat P.	909 HHat P.	HHat cl. 85	909 HHat e.	909 HHat e.	909 HHat e.	F	101	E-Snare
A	45	Elec Tom 909	Elec Tom 80 Lin.	808 Tom	909 Tom	Tom 85	909 Tom	909 Tom	909 Tom		102	E-Snare
	46	HH 909	HH elec	808 HH. op.	909 HH. op.	HHat cl. 85	909 HH. op.	909 HH. op.	909 HH. op.	G	103	E-Snare
	47	Elec Tom 909	Elec Tom 80 Lin.	808 Tom	909 Tom	Tom 85	909 Tom	909 Tom	909 Tom		104	E-Claps
C	48	Elec Tom 909	Elec Tom 80 Lin.	808 Tom	909 Tom	Tom 85	909 Tom	909 Tom	909 Tom	A	105	E-Claps
	49	E-Crash 909	Crash 909	808 Cym	909 Cym	808 Cym	808 Cym	808 Cym	808 Cym		106	E-Claps
D	50	Elec Tom 909	Elec Tom 80 Lin.	808 Tom	90 Tom	Tom 85	90 Tom	90 Tom	90 Tom		107	E-Claps
	51	E-Ride 909	~	~	~	~	~	~	~	C	108	E-Claps
E	52	E-China	~	~	~	~	~	~	~		109	E-Claps
F	53	E-Cup 66	~	~	~	~	~	~	~	D	110	E-Claps
	54	E-Tamb. 77	~	~	~	~	~	~	~		111	E-Claps
G	55	E-Splash Cymbal	~	~	~	~	~	~	~	E	112	E-Claps
	56	E-Cowbell	~	~	~	~	~	~	~	F	113	E-Claps
A	57	E-Crash Cymbal 2	~	~	~	~	~	~	~		114	E-Claps
	58	E-Vibraslap	~	~	~	~	~	~	~	G	115	E-Claps
	59	E-Ride Cymbal 2	~	~	~	~	~	~	~		116	E-Claps
C	60	E-Bongo high	~	~	~	~	~	~	~	A	117	E-Claps
	61	E-Bongo low	~	~	~	~	~	~	~		118	E-Claps
D	62	E-Conga mute	~	~	~	~	~	~	~		119	E-Claps
	63	E-Conga open	~	~	~	~	~	~	~	C	120	E-Claps
											121	Cym. Crash NL
										D	122	Cym. Ride NL
											123	Cym. Cup NL
										E	124	Cym. Splash NL
											125	Reverse Cym.

	Nr.	Prg. 32 JazzKit	Prg. 33 Jazz Kit	Prg. 34 Jazz Kit	Prg. 35 Jazz Kit
G	7	Dance Kick	~	~	~
	8	Dance Kick	~	~	~
A	9	Dance Kick	~	~	~
	10	Dance Kick	~	~	~
	11	Dance Kick	~	~	~
C	12	Dance Kick	~	~	~
	13	Surdo Mute	~	~	~
D	14	Surdo Open	~	~	~
	15	Hi Q	~	~	~
E	16	Whipe Slap	~	~	~
F	17	Scratch	~	~	~
	18	Scratch	~	~	~
G	19	Finger Snap	~	~	~
	20	Click Noise	~	~	~
A	21	Metronom Click	~	~	~
	22	Metronom Bell	~	~	~
	23	Seq. Click	~	~	~
C	24	Seq. Click	~	~	~
	25	Brush Tap	~	~	~
D	26	Brush Swirl	~	~	~
	27	Brush Slap	~	~	~
E	28	Brush Tap Swirl	~	~	~
F	29	Snare Roll	~	~	~
	30	Castagnet	~	~	~
G	31	Snare soft LS Ludw.	Snare soft Monti.	Snare soft QA Vintage	Snare soft 714 Slinger
	32	Sticks	~	~	~
A	33	Bass Drum AD Prem.	Bass Drum Yam.	Bass Drum LS Ludw.	Bass Drum GMS open
	34	Snare Var. LS Ludw.	Snare Var. Monti.	Snare Var. QA Vintage	Snare Var. 714 Slinger
	35	Bass Drum AD Prem.	Bass Drum Yam.	Bass Drum LS Ludw.	Bass Drum GMS open
C	36	Bass Drum AD Prem.	Bass Drum Yam.	Bass Drum LS Ludw.	Bass Drum GMS open
	37	Sidestick LS Ludw.	Sidestick Monti.	Sidestick QA Vintage	Sidestick 714 Slinger
D	38	Snare LS Ludw.	Snare Monti.	Snare QA Vintage	Snare 714 Slinger
	39	Clap	~	~	~
E	40	Snare Rimshot LS Ludw.	Snare Rimshot Monti.	Snare Rimshot QA Vintage	Snare Rimshot 714 Slinger
F	41	Tom Low Low Jazz	~	~	~
	42	HiHat closed (0)	~	~	~
G	43	Tom Low Jazz	~	~	~
	44	HiHat Pedal (0)	~	~	~
A	45	Tom Medium L. Jazz	~	~	~
	46	HiHat open (0)	~	~	~
	47	Tom Medium EZ Jazz	~	~	~
C	48	Tom High Jazz	~	~	~
	49	Crash Cymbal 1	~	~	~
D	50	Tom High High Jazz	~	~	~
	51	Ride Cymbal 1 [Repetition]	~	~	~
E	52	China Cymbal	~	~	~
F	53	Ride Cup	~	~	~
	54	Tambourin [Repetition]	~	~	~
G	55	Splash Cymbal	~	~	~
	56	Cowbell	~	~	~
A	57	Crash Cymbal 2	~	~	~
	58	Vibraslap	~	~	~
	59	Ride Cymbal 2 [Repetition]	~	~	~
C	60	Bongo high [Repetition]	~	~	~
	61	Bongo low [Repetition]	~	~	~
D	62	Conga mute [Repetition]	~	~	~
	63	Conga open [Repetition]	~	~	~

	Nr.	Prg. 40 Brush Kit	Prg. 41 Brush Kit
G	7	Snare Brush LS Monti.	Snare Brush LS Monti.
	8	Snare Brush LS Monti.	Snare Brush LS Monti.
A	9	Snare Brush LS Monti.	Snare Brush LS Monti.
	10	Snare Brush LS Monti.	Snare Brush LS Monti.
	11	Snare Brush LS Monti.	Snare Brush LS Monti.
C	12	Snare Brush LS Monti.	Snare Brush LS Monti.
	13	Surdo Mute	~
D	14	Surdo Open	~
	15	Hi Q	~
E	16	Whipe Slap	~
F	17	Scratch	~
	18	Scratch	~
G	19	Finger Snap	~
	20	Click Noise	~
A	21	Metronom Click	~
	22	Metronom Bell	~
	23	Seq. Click	~
C	24	Seq. Click	~
	25	Snare Brush LS Monti.	Snare Brush LS Monti.
D	26	Snare Brush LS Monti.	Snare Brush LS Monti.
	27	Snare Brush LS Monti.	Snare Brush LS Monti.
E	28	Snare Brush LS Monti.	Snare Brush LS Monti.
F	29	Snare Brush LS Monti.	Snare Brush LS Monti.
	30	Snare Brush LS Monti.	Snare Brush LS Monti.
G	31	Snare Brush LS Monti.	Snare Brush LS Monti.
	32	Sticks	~
A	33	Bass Drum AD Prem.	Bass Drum Yam.
	34	Snare Var. Brush LS Monti.	Snare Var. Brush LS Monti.
	35	Bass Drum AD Prem.	Bass Drum Yam.
C	36	Bass Drum AD Prem.	Bass Drum Yam.
	37	Sidestick Brush LS Monti.	Sidestick Brush LS Monti.
D	38	Snare Brush LS Monti.	Snare Brush LS Monti.
	39	Clap	~
E	40	Snare RS Brush LS Monti.	Snare RS Brush LS Monti.
F	41	Tom Low Low Brush	~
	42	HiHat closed (0)	~
G	43	Tom Low Brush	~
	44	HiHat Pedal (0)	~
A	45	Tom Medium Brush	~
	46	HiHat open (0)	~
	47	Tom Medium Brush	~
C	48	Tom High Brush	~
	49	Brush Crash Cymbal 1	~
D	50	Tom High High Brush	~
	51	Brush Ride Cymbal 1 [Repe.]	~
E	52	China Cymbal	~
F	53	Brush Ride Cup	~
	54	Tambourin [Repetition]	~
G	55	Splash Cymbal	~
	56	Cowbell	~
A	57	Brush Crash Cymbal 2	~
	58	Vibraslap	~
	59	Brush Ride Cymbal 2 [Repe.]	~
C	60	Bongo high [Repetition]	~
	61	Bongo low [Repetition]	~
D	62	Conga mute [Repetition]	~
	63	Conga open [Repetition]	~

	Nr.	Prg. 32-41
E	64	Conga low [Repetition]
F	65	Timbale high [Repetition]
	66	Timbale low [Repetition]
G	67	Agogo high [Repetition]
	68	Agogo low [Repetition]
A	69	Cabasa [Repetition]
	70	Maracas [Repetition]
	71	Whistle
C	72	Whistle
	73	Guero short
D	74	Guero long
	75	Claves
E	76	Woodblock low
F	77	Woodblock hi
	78	Cuica mute
G	79	Cuica open
	80	Triangle mute(5)
A	81	Triangle open(5)
	82	Shaker
	83	Jingle Bell
C	84	Chimes
	85	Tamburin Hit 1
D	86	Tamburin Hit 2
	87	Tamburin Hit 3
E	88	Tamburin Hit 4
F	89	E-Snare
	90	E-Snare
G	91	E-Snare
	92	E-Snare
A	93	E-Snare
	94	E-Snare
	95	E-Snare
C	96	E-Snare
	97	E-Snare
D	98	E-Snare
	99	E-Snare
E	100	E-Snare
F	101	E-Snare
	102	E-Snare
G	103	E-Snare
	104	E-Claps
A	105	E-Claps
	106	E-Claps
	107	E-Claps
C	108	E-Claps
	109	Claps Hit 1
D	110	Claps Hit 2
	111	Claps Hit 3
E	112	Claps Hit 4
F	113	Stomp 1
	114	Stomp 2
G	115	Stomp 3
	116	Reverse Stomp
A	117	Reverse Snare
	118	Reverse Clap
	119	Reverse BD
C	120	HiHat Open 1/2
	121	Cym. Crash NL
D	122	Cym. Ride NL
	123	Cym. Cup NL
E	124	Cym. Splash NL
	125	Reverse Cym.

	Nr.	Prg. 48 Orchestra
G	7	-
	8	Gran Casa
A	9	Gran Casa
	10	Gran Casa
	11	Gran Casa
C	12	Gran Casa
	13	Gran Casa
D	14	Gran Casa
	15	Gran Casa
E	16	Gran Casa
F	17	Gran Casa
	18	GC. forte
G	19	GC. medium
	20	GC. piano
A	21	-
	22	-
	23	Gong
C	24	-
	25	-
D	26	-
	27	Closed HH
E	28	Pedal Ped.
F	29	Open HH.
	30	Ride Cymbal
G	31	Ride Cymbal
	32	-
A	33	-
	34	-
	35	Gran Casa
C	36	Gran Casa
	37	-
D	38	Concert Sn.
	39	Castanets
E	40	Concert Sn.
F	41	Timpani
	42	Timpani
G	43	Timpani
	44	Timpani
A	45	Timpani
	46	Timpani
	47	Timpani
C	48	Timpani
	49	Timpani
D	50	Timpani
	51	Timpani
E	52	Timpani
F	53	Timpani
	54	Tamburin
G	55	Concert Cy.
	56	Concert Cy.
A	57	Concert Cy.
	58	Concert Cy.
	59	Concert Cy.
C	60	Concert Cy.
	61	Concert Cy.
D	62	Concert Cy.
	63	Concert Cy.

	Nr.	
E	64	Concert Cy.
F	65	Concert Cy.
	66	Cymbal Roll
G	67	Castanet 1
	68	Castanet 2
A	69	Castanet Roll
	70	-
	71	-
C	72	Triangle op.
	73	Triangle mute
D	74	Triangle roll
	75	-
E	76	-
F	77	Wind. dwn.
	78	Wind. up
G	79	-
	80	-
A	81	Tambourin
	82	Tambourin
	83	Tambourin Roll
C	84	-
	85	-
D	86	-
	87	-
E	88	Applaus
F	89	C. Snare pp
	90	C. Snare p
G	91	C. Snare mp
	92	C. Snare mf
A	93	C. Snare f
	94	C. Snare ff
	95	C. Snare pp
C	96	C. Snare p
	97	C. Snare mp
D	98	C. Snare mf
	99	C. Snare f
E	100	C. Snare ff
F	101	Snare Roll p
	102	Snare Roll p
G	103	Snare Roll m
	104	Snare Roll m
A	105	Snare Roll f
	106	Snare Roll f
	107	Snare Ro.dyn
C	108	Snare Ro.dyn
	109	Snare Ro.dyn
D	110	Snare Ro.dyn
	111	Snare Ro.dyn
E	112	Snare Ro.dyn
F	113	Opera Gong
	114	Opera Gong
G	115	Opera Gong
	116	Opera Gong
A	117	Opera Gong
	118	Opera Gong
	119	Opera Gong
C	120	Opera Gong
	121	Opera Gong
D	122	Opera Gong
	123	Opera Gong
E	124	Intro Tune

	Nr.	Prg. 58 Voice Kit
G	7	-
	8	-
A	9	-
	10	-
	11	-
C	12	-
	13	-
D	14	-
	15	-
E	16	-
F	17	Breath 1
	18	Breath 2
G	19	Finger Snaps
	20	Male Count: 'One'
A	21	Male Count: 'Two'
	22	Male Count: 'Three'
	23	Male Count: 'Four'
C	24	Male Count: 'a'
	25	Female Count: 'One'
D	26	Female Count: 'Two'
	27	Female Count: 'Three'
E	28	Female Count: 'Four'
F	29	Female Count: 'a'
	30	Vocal Bass Drum 3
G	31	Vocal Snare 4
	32	Vocal Rim Shot
A	33	Vocal Bass Drum 2
	34	Vocal Snare 3
	35	Vocal Bass Drum 1
C	36	Vocal Bass Drum
	37	Vocal Cross Stick
D	38	Vocal Snare 1
	39	Vocal Clap
E	40	Vocal Snare 2
F	41	Vocal Floor Tom
	42	Vocal Closed Hi Hat
G	43	Vocal Low Tom
	44	Vocal Pedal Hi Hat
A	45	Vocal Mid Tom 2
	46	Vocal Open Hi Hat
	47	Vocal Mid Tom 1
C	48	Vocal Hi Tom 2
	49	Vocal Crash Cymbal
D	50	Vocal High Tom 1
	51	Vocal Ride Cymbal
E	52	Male Ad Lib 1
F	53	Male Ad Lib 2
	54	Male Ad Lib 3
G	55	Male Ad Lib 4
	56	Male Ad Lib 5
A	57	Male Ad Lib 6
	58	Vibra Slap
	59	Male: 'Hmm Hmm
C	60	Female: ',Next'
	61	Female: 'Here We Go.'
D	62	Female: 'Play With Acc.'
	63	Female: 'Manual Play'

	Nr.	
E	64	Female: 'Better L- NextTime!'
F	65	Female: 'Please Pr.Any Pads'
	66	Female: 'Go'
G	67	Female: 'Ouch'
	68	Female: 'Uh Oh'
A	69	Female: 'Chuckle'
	70	Female: 'Oh Yeah'
	71	Female: 'Yep'
C	72	Female: ',Fantastic! New..
	73	-
D	74	-
	75	-
E	76	-
F	77	-
	78	Vocal Cuica High
G	79	Vocal Cuica Low
	80	Male ',All Right'
A	81	Male ',Get Down'
	82	Male 'Chicka'
	83	Male 'Ku-Chi-Ka'
C	84	Male 'Everybody Come..
	85	Male 'Huh'
D	86	Male 'That's Good!'
	87	Male 'Ow!'
E	88	Male 'Yeah!'
F	89	Male 'Ah'
	90	Male 'That's Bad'
G	91	Male 'HitThe Note'
	92	-
A	93	-

V3SOUND - MIDI IMPLEMENTATION

	Recognized	
Basic Default	1 - 16	
Mode	3 poly mode	
Messages		
Note number	* 12-109	* depends on sounds
Velocity Note ON	9nH _i ,v=1-127 o	
Note OFF	9nH _i ,v=0 x	
Key aftertouch	o	
Channel aftertouch	o	
Pitch Bend	0-12	
Bank Select	00	* value depends on sound board - see page 3-13
Controller	01 - Modulation	
	05 - Portamento time	
	06 - Data Entry	
	07 - Volume	
	10 - Panorama	
	11 - Expression	
	64 - Sustain	
	65 - Portamento	
	66 - Sostenufo	
	71 - Filter resonance	
	72 - ENVELOPE Release	
	73 - ENVELOPE Attack	
	74 - Filter cutoff	
	75 - ENVELOPE Decay	
	76 - Vibrato rate	
	77 - Vibrato depth	
	78 - Vibrato delay	

	84 - Portamento control	
	91 - Reverb send	
	93 - Chorus send	
	120 - All sound off	
	121 - Reset all controllers	
	123 - All note off	
	126 - Mono-mode	
	127 - Poly-mode	
RPN 0000H	BnH 65H 00H 64H 00H 06H vv	Pitch bend sensitive in semitone (default=-2)
RPN 0001H	Fine tune in cent	vv=00 -100 vv=40H 0 vv=7FH +100
RPN 0002H	Coarse tune half tone	vv=00 -64 vv=40H 0 vv=7FH +64
NRPN 18rrH	BnH 63H 18H 62H rr 06H vv	Pitch coarse of perc. rr in semitone (vv=40H->no modif)
NRPN 1ArrH	BnH 63H 1AH 62H rr 06H vv	Level of perc. sound rr (vv=00 to 7FH)
NRPN 1CrrH	BnH 63H 1CH 62H rr 06H vv	Pan of perc. sound rr (40H = middle)
NRPN 1DrrH	BnH 63H 1DH 62H rr 06H vv	Reverb send level of perc rr (vv=00 to 7FH)
AUX AUDIO OUT	BnH 63H 38H 62H rr 06H vv	rr = MIDI channel - CH1 = 00 CH2 = 01 vv = 0 MAIN 127=AUX
(Reverb return is fixed in Main out)		Example :Set CH1 to AUX - send 3 MIDI controllers: For all parts with MIDI-channel 1 cc99 value 56 + cc98 value 00 + cc06 value 127 * depends on sound board
Program Change :	0-127	
System Exclusive:		
SYSEX	F0H 7EH 7FH 09H 01H F7H	General MIDI Reset
SYSEX	F0H 7FH 7FH 04H 01H 00H 01H F7H	Master volume (ll=0 to 127, default 127)
SYSEX DSP1	F0h,41h,00h,42h,12h,40h,7Fh,,7Fh,xxh,00h,F7h xxh=Effect 00h=HALL1 01h=HALL2 02h=ROOM1 03h=ROOM2 04h=ROOM3" 05h=PLATE1 06h=PLATE2 07h=PLATE3 08h=CHORUS 09h=FLANGE 0Ah=DELAY1 0Bh=DELAY2 0Ch=CHORUS/ROOM1 0Dh=CHORUS/ROOM2 0Eh=VOCCANCEL 0Fh=ROTARY SPEAKER	
SYSEX DSP2	F0h,41h,00h,42h,12h,40h,01h,38h,xxh,00h,F7h	xxh=Effect 0h=CHORUS 1 01h=CHORUS 2 02h=CHORUS 3 03h=CHORUS 4 04h=FEEDBACK 05h=FLANGER 06h=SHORT DELAY 07h=FB DELAY