



malletKAT GS

Sound board

Handbuch Deutsch
Manual Español
Manuel Français
Manual English

Vorsichtsmassnahmen

SICHERHEITSHINWEISE



- Lesen Sie die Bedienungsanleitung bevor Sie das Gerät benutzen,
- lassen Sie keine Flüssigkeiten in das Gerät gelangen,
- belasten Sie das Gerät nicht mit Gegenständen,
- hantieren Sie das Netzteil niemals mit nassen Händen,
- schalten Sie alle angeschlossenen Geräte aus, bevor Sie Verbindungen vornehmen.

- Benützen oder lagern Sie das Gerät nicht wo: Dampf oder Feuchtigkeit herrschen,
- es extremen Temperaturen ausgesetzt ist (nicht im Transportbus im Winter),
- es starken Erschütterungen ausgesetzt ist.

BEHANDLUNG

- Verwenden Sie nur Netzteile.
- Entfernen Sie Kabel nur indem Sie an dem Stecker ziehen, nicht am Kabel.
- Setzen Sie den Netzadapter keinen mechanischen Beanspruchungen aus.

KUNDENDIENST - FEHLERBEHEBUNG

Unterlassen Sie unsachgemäße Reparaturversuche, da dadurch bleibende Schäden an der Elektronik entstehen können. Darüber hinaus gehen jegliche Garantieansprüche verloren.

BETRIEBSTEMPERATURBEREICH

Bereich 10-40 Grad Celsius

LUFTFEUCHTIGKEIT

max. 80%, nicht kondensierend

Copyright

Die Aufnahmen, die in diesem Geräte verwendet werden, sind urheberrechtlich geschützt. Jede Duplizierung, Bearbeitung sowie auch deren Weitergabe an Dritte, in welcher Form auch immer (Audio Sampling CDs, Datenträger mit Einzelklängen, zum Download bestimmte Dateien, etc.), ist verboten.

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V3SOUND - Austria

Tech. Spezifikationen

- 4 GB Flash memory
- 16 MIDI Kanäle
- Polyphony - 256-stimmig



The CE certification is available at <http://www.v3sound.com/support/>



This product conforms to the FCC 47 CFR PART 15 SUBPART B

V3SOUND GMBH
Kirchplatz 7 - 6114 Kolsass - Austria - Europe

Legende

HPF	High Pass Filter
BPF	Band Pass Filter
LPF	Low Pass Filter
(1)	DRUM MAP - Exklusive mode
(1)	DRUM MAP - Exclusive mode - one note give sound
velo.	Velocity split
Slide	Velocity zone 116-127 Slide up version
Silence	no Sound

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.

HUMIDITY

max. 80%, non-condensing

OPERATING TEMPERATURE

10 to 40 degrees Celsius

Copyright

All the audio recordings V3SOUND uses on the sound boards are protected by copyright. V3SOUND alone has been given the right by all musicians involved to use this material. Any duplication, editing or any other copy of individual sounds by or given to a third party in any form (audio sampling CD, data storage device with individual sounds, download of any file, etc.) is strictly forbidden.

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V3SOUND - Austria

Specification

- 4 GB flash memory
- 16 MIDI channels
- Polyphony 256 voice



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V3SOUND GMBH
Kirchplatz 7 - 6114 Kolsass - Austria - Europe

LEGEND

HPF	High Pass Filter
BPF	Band Pass Filter
LPF	Low Pass Filter
Notch	Notch Filter
(1)	DRUM MAP - Exclusive mode - one note give sound
velo.	Velocity split
Slide	Velocity zone 116-127 Slide up version
Silence	no Sound

Mesures de précaution

Consignes de sécurité



- Veuillez lire le mode d'emploi avant d'utiliser l'appareil,
 - Veillez à ne pas laisser des liquides pénétrer dans l'appareil,
 - Ne posez pas d'objets sur l'appareil,
 - Ne manipulez jamais le bloc d'alimentation avec des mains humides,
 - Mettez tous les appareils connectés hors tension avant d'effectuer des raccordements.
-
- N'utilisez pas ou n'entreposez pas l'appareil dans un endroit où
 - il est exposé à de l'humidité ou de la vapeur,
 - où il est exposé à des températures extrêmes (pas dans un bus de transport en hiver),
 - où il est soumis à de fortes secousses.

CONSIGNES D'UTILISATION

- N'utilisez que des blocs d'alimentation.
- Retirez les câbles uniquement en tirant sur la prise, et non sur le câble lui-même.
- Ne soumettez pas l'adaptateur de réseau à des sollicitations mécaniques.

SERVICE CLIENTS - DÉPANNAGE

Abstenez-vous de toute tentative de réparation inappropriée, car cela pourrait occasionner des dommages irréversibles à l'électronique. En outre, cela annule tout droit à la garantie.

PLAGE DE TEMPÉRATURE DE FONCTIONNEMENT

Plage de 10 à 40 degrés Celsius

HYGROMÉTRIE

max. 80 % d'humidité, sans condensation

Copyright

Les enregistrements qui sont utilisés dans cet appareil sont protégés par des droits d'auteur. Toute duplication, modification ou transfert à des tiers, sous quelque forme que ce soit (CD d'échantillonnage audio, supports de données avec certains sons, fichiers destinés au téléchargement, etc.) sont interdits.

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Spécifications techniques

- 4 GB de mémoire flash
- 16 canaux MIDI
- Polyphonie - 256 voix



La certification CE est disponible sur <http://www.v3sound.com/support/>



TCe produit est conforme à la norme
FCC 47 CFR PART 15
SUBPART B

V3SOUND GMBH
Kirchplatz 7 - 6114 Kolsass - Austria - Europe

Legende

HPF	High Pass Filter
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velo.	Velocity split
Slide	Velocity zone 116-127 Slide up version
Silence	no Sound

Medidas de precaución

Avisos de seguridad



- Lea el manual de instrucciones antes de usar el dispositivo.
 - No permita que ningún líquido entre en el dispositivo.
 - No cargue el dispositivo con objetos.
 - No manipule nunca la fuente de alimentación con las manos mojadas.
 - Apague todos los dispositivos conectados antes de hacer ninguna conexión.
-
- No utilice ni almacene el dispositivo en un lugar donde:
 - Haya vapor o humedad
 - Esté expuesto a temperaturas extremas (P. ej. en un autobús de transporte en invierno),
 - Esté expuesto a fuertes vibraciones.

MANEJO

- Utilice siempre el equipo con su fuente de alimentación.
- Retire el cable sólo desconectando el enchufe y nunca tirando del cable.
- No someta el adaptador de red a tensiones mecánicas.

SERVICIO AL CLIENTE • SOLUCIÓN DE PROBLEMAS

No intente realizar reparaciones inadecuadas, ya que esto podría causar daños permanentes a los componentes electrónicos. Además, perderá todos los derechos que le otorga la garantía.

RANGO DE TEMPERATURA DE FUNCIONAMIENTO

Rango de 10-40 grados centígrados

HUMEDAD DEL AIRE

Máx. 80%, no condensante

Derechos de autor:

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Especificaciones técnicas

- 4 GB de memoria flash
- 16 canales MIDI
- Polifonía • 256 voces



La certificación CE está disponible en <http://www.v3sound.com/support/>



Este producto cumple con la norma FCC 47 CFR PART 15 SUBPART B

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Kirchplatz 7 - 6114 Kolsass - Austria - Europe

Legende

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velo.	Velocity split
Slide	Velocity zone 116-127 Slide up version
Silence	no Sound



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

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-Piano V3 Bella	
12	E-Piano V3 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	Organ 776555678 slow	slow Rotary
1	Organ 776555678 fast	fast Rotary
2	Organ 800000568 slow	slow Rotary
3	Organ 800000568 fast	fast Rotary
4	Organ 008530000 slow	slow Rotary
5	Organ 008530000 fast	fast Rotary
6	Organ 800000000 slow	slow Rotary
7	Organ 800000000 fast	fast Rotary
8	Organ 807800000 slow	slow Rotary
9	Organ 807800000 fast	fast Rotary
10	Organ 804708000 slow	slow Rotary
11	Organ 804708000 fast	fast Rotary
12	Organ 800008000 slow	slow Rotary
13	Organ 800008000 fast	fast Rotary
14	Organ 800000008 slow	slow Rotary
15	Organ 800000008 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	Caliopé
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

ACOUSTIC DRUMS

Sound Bank MSB 80
Prg. 0 - 72

Drum Kit 80

Important key

Each individual program is played with MIDI key c /60.

Legend

*	Exclusive Group in Drum Kit Mode - MIDI CHANNEL 10
Hold ENV	These copies can be used with MIDI FILES etc ... to determine the length of the release
RR	Round Robin - different sample per velocity zone. Many instruments offer 6 velocity zones.
Excl. Group	Key belonging to the same group mute each other. Just Drumkit Mode Ch10 offer this feature.



MIRROR NOTES / COPIES

If you have two pads that output note numbers on two different MIDI notes, you can play faster.

The following was provided for this:

*You can find the sound of the MIDI note 60 as a copy on number 59.
As well as the MIDI note 59 as a copy on number 58.*

*These copies are not specified in the sound list of the individual sounds.
The description would no longer seem so clear.*

If an instrument has two different tones, such as bongos, you will also find a reflection for the higher version.

Acoustic Drums Overview

Prg.	Instrument	Genre	Size	Layer
00	Bass Drum Ludwig	Pop	22" x 14"	10
01	Bass Drum Ludwig	Pop	22" x 14"	8
02	Bass Drum Ice Custom	Indie	26" x 14"	10
03	Bass Drum Ice Custom	Indie	26" x 14"	8
04	Bass Drum Ludwig	Metal	22" x 18"	10
05	Bass Drum Ludwig	Metal	22" x 18"	8
06	Bass Drum Premier	Jazz	18" x 14"	10
07	Bass Drum Premier	Jazz	18" x 14"	8
08	Bass Drum Tama	Rock	22" x 18"	10
09	Bass Drum Tama	Rock	22" x 18"	8
10	Bass Drum Pie	Power	24" x 18"	10
11	Bass Drum Pie	Power	24" x 18"	8
12	Snare DW Craviotto	Studio	14" x 5,5"	Open
13	Snare DW Craviotto	Studio	14" x 5,5"	Open shallow
14	Snare DW Craviotto	Studio	14" x 5,5"	Rim shot
15	Snare DW Craviotto	Studio	14" x 5,5"	Side Stick
16	Snare P. Spirit	Indie	14" x 5,5"	Open
17	Snare P. Spirit	Indie	14" x 5,5"	Open shallow
18	Snare P. Spirit	Indie	14" x 5,5"	Rim shot
19	Snare P. Spirit	Indie	14" x 5,5"	Side Stick
20	Snare Gretsch Hammerd	Metal	14" x 5"	Open
21	Snare Gretsch Hammerd	Metal	14" x 5"	Open shallow
22	Snare Gretsch Hammerd	Metal	14" x 5"	Rim shot
23	Snare Gretsch Hammerd	Metal	14" x 5"	Side Stick
24	Snare Supraphonic 402	Vintage	14" x 6,5"	Open
25	Snare Supraphonic 402	Vintage	14" x 6,5"	Open shallow
26	Snare Supraphonic 402	Vintage	14" x 6,5"	Rim shot
27	Snare Supraphonic 402	Vintage	14" x 6,5"	Side Stick
28	Snare Pearl Signature	Studio Rock	14" x 6,5"	Open
29	Snare Pearl Signature	Studio Rock	14" x 6,5"	Open shallow
30	Snare Pearl Signature	Studio Rock	14" x 6,5"	Rim shot
31	Snare Pearl Signature	Studio Rock	14" x 6,5"	Side Stick
32	Snare Craviotta Custom	Acoustic	14" x 7"	Open
33	Snare Craviotta Custom	Acoustic	14" x 7"	Open shallow
34	Snare Craviotta Custom	Acoustic	14" x 7"	Rim shot
35	Snare Craviotta Custom	Acoustic	14" x 7"	Side Stick

Prg.	Instrument	Genre	Size	Layer
36	Snare Supraphonic 400	Vintage	14" x 5"	Open
37	Snare Supraphonic 400	Vintage	14" x 5"	Open shallow
38	Snare Supraphonic 400	Vintage	14" x 5"	Rim shot
39	Snare Supraphonic 400	Vintage	14" x 5"	Side Stick
40	Snare Acrolite	Brush	14" x 5,5"	Open
41	Snare Acrolite	Brush	14" x 5,5"	Open shallow
42	Snare Acrolite	Brush	14" x 5,5"	Rim shot
43	Snare Acrolite	Brush	14" x 5,5"	Side Stick
44	Snare Ac. need note hold	Brush	14" x 5,5"	Swirl short
45	Snare Acrolite ENV open	Brush	14" x 5,5"	Swirl long
	Toms Mapping: Note 59 & 60 is the same sound - lowest tom. Note 61 & 62 next tom...			
46	DW Tom Set	Dry	6 Toms	
47	ICE Tom Set	Power	5 Toms	
48	Premier Tom Set	Brush	4 Toms	
49	HiHat 14" need note hold		10 Articulat.	
50	HiHat 14" ENV open		10 Articulat.	
51	Ride 21"		Tip	
52	Ride 21"		Cup	
53	Ride 21"		Edge	
54	Splash		10"	
55	Crash		12"	
56	Crash		14"	
57	Crash		16"	
58	Crash		17"	
59	Crash		18"	
60	Crash		19"	

Prg.	Instrument	
61	Snare DW Craviotto	4 Snare articulations - mirrow mapping Note 59 + 60 Center Hit Note 58 + 61 Shallow Hit Note 57 + 62 Rimshot Note 56 + 63 Sidestick
62	Snare P. Spirit	-"-
63	Snare Gretsch Hammerd	-"-
64	Snare Supraphonic 402	-"-
65	Snare Pearl Signature	-"-
66	Snare Craviotta Custom	-"-
67	Snare Supraphonic 400	-"-
68	Snare Acrolite	-"-
69	All Cymbals - Center Pan	Note 59 + 60 - Ride Tip Note 58 + 61 - Ride Cup Note 57 + 62 - Ride Edge Note 56 + 63 - Splash 10 Note 55 + 64 - Crash 12 Note 54 + 65 - Crash 14 Note 53 + 66 - Crash 16 Note 52 + 67 - Crash 17 Note 51 + 68 - Crash 18 Note 50 + 69 - Crash 19
70	All Cymbals - Stereo Pos.	-"-
71	HiHat Open need hold down key on keyboard.	for CH 1-9 & 11-16 - Mapping page 40
72	HiHat Open is allways full open. Must be stopped by controller. Just for special use.	for CH 1-9 & 11-16 - Mapping page 40

Note		Model	Articulation
42	f#	HiHat 14"	Full Closed
43	g	-	
44	g#	HiHat 14"	Pedal
45	a	-	
46	a#	HiHat 14"	Open
47	b	-	
48	c	-	
	~	-	
59	b	-	
60	c	HiHat 14"	Full Closed
61	c#	HiHat 14"	Full Closed
62	d	HiHat 14"	Full Closed
63	d#	HiHat 14"	Closed
64	e	HiHat 14"	Closed
65	f	HiHat 14"	Closed 1/4
66	f#	HiHat 14"	Closed 1/2
67	g	HiHat 14"	Closed 1/2
68	g#	HiHat 14"	Open
69	a	HiHat 14"	Open
70	a#	HiHat 14"	Open B
71	b	HiHat 14"	Pedal
72	c	HiHat 14"	Pedal
73	b	HiHat 14"	Pedal Splash



Acoustic Drum Kit - for CH 10

Prg.	Instrument	
80	Drum Kit 80 - All drums	for CH 1-9 & 11-16 - Mapping page 42

Acoustic Drums 1

Drum Kit 80

Note		Model	Articulation	Excl. Group
	-			
1	c#	Bass Drum Ludwig	10 Layer	
2	d	Bass Drum Ludwig	8 Layer	
3	d#	Bass Drum Ice Custom	10 Layer	
4	e	Bass Drum Ice Custom	8 Layer	
5	f	Bass Drum Ludwig	10 Layer	
6	f#	Bass Drum Ludwig	8 Layer	
7	g	Bass Drum Premier	10 Layer	
8	g#	Bass Drum Premier	8 Layer	
9	a	Bass Drum Tama	10 Layer	
10	a#	Bass Drum Tama	8 Layer	
11	b	Bass Drum Pie	10 Layer	
12	c	Bass Drum Pie	8 Layer	
13	c#	-		
14	d	-		
15	d#	-		
16	e	-		
17	f	-		
18	f#	-		
19	g	-		
20	g#	-		
21	a	-		
22	a#	-		
23	b	-		
24	c	Snare DW Craviotto		
25	c#	Snare DW Craviotto		
26	d	Snare DW Craviotto		
27	d#	Snare DW Craviotto		
28	e	Snare P. Spirit		
29	f	Snare P. Spirit		
30	f#	Snare P. Spirit		
31	g	Snare P. Spirit		
32	g#	Snare Gretsch Hammerd		
33	a	Snare Gretsch Hammerd		
34	a#	Snare Gretsch Hammerd		
35	b	Snare Gretsch Hammerd		

Note		Model	Articulation	Excl. Group
36	c	Snare Supraphonic 402		
37	c#	Snare Supraphonic 402		
38	d	Snare Supraphonic 402		
39	d#	Snare Supraphonic 402		
40	e	Snare Pearl Signature		
41	f	Snare Pearl Signature		
42	f#	Snare Pearl Signature		
43	g	Snare Pearl Signature		
44	g#	Snare Craviotta Custom		
45	a	Snare Craviotta Custom		
46	a#	Snare Craviotta Custom		
47	b	Snare Craviotta Custom		
48	c	Snare Supraphonic 400		
49	c#	Snare Supraphonic 400		
50	d	Snare Supraphonic 400		
51	d#	Snare Supraphonic 400		
52	e	Snare Acrolite	Open	2
53	f	Snare Acrolite	Open shallow	2
54	f#	Snare Acrolite	Rim shot	2
55	g	Snare Acrolite	Side Stick	2
56	g#	Snare Ac. need note hold	Swirl short	2
57	a	Snare Acrolite ENV open	Swirl long	2
58	a#	-		
59	b	-		
60	c	HiHat 14"	Full Closed	1
61	c#	HiHat 14"	Full Closed	1
62	d	HiHat 14"	Full Closed	1
63	d#	HiHat 14"	Closed	1
64	e	HiHat 14"	Closed	1
65	f	HiHat 14"	Closed 1/4	1
66	f#	HiHat 14"	Closed 1/2	1
67	g	HiHat 14"	Closed 1/2	1
68	g#	HiHat 14"	Open	1
69	a	HiHat 14"	Open	1
70	a#	HiHat 14"	Open B	1
71	b	HiHat 14"	Open B	1

Acoustic Drums 1

Drumkit 80

Note		Model	Articulation	Excl. Group
72	c	HiHat 14"	Pedal	1
73	c#	HiHat 14"	Pedal Splash	1
74	d	-		
75	d#	-		
76	e	-		
77	f	-		
78	f#	-		
79	g	Ride 21"	Tip	
80	g#	Ride 21"	Cup	
81	a	Ride 21"	Edge	
82	a#	-		
83	b	DW Tom	16" x 16"	
84	c	DW Tom	16" x 16"	
85	c#	DW Tom	16" x 14"	
86	d	DW Tom	16" x 14"	
87	d#	DW Tom	14" x 11"	
88	e	DW Tom	14" x 11"	
89	f	DW Tom	12" x 8"	
90	f#	DW Tom	12" x 8"	
91	g	DW Tom	10" x 8"	
92	g#	DW Tom	10" x 8"	
93	a	DW Tom	8" x 07"	
94	a#	DW Tom	8" x 07"	
95	b	Premier Tom Brush	16" x 16"	
96	c	Premier Tom Brush	16" x 16"	
97	c#	Premier Tom Brush	14" x 14"	
98	d	Premier Tom Brush	14" x 14"	
99	d#	Premier Tom Brush	12" x 8"	
100	e	Premier Tom Brush	12" x 8"	
101	f	Premier Tom Brush	10" x 8"	
102	f#	Premier Tom Brush	10" x 8"	
103	g	-		
104	g#	-		
105	a	-		
106	a#	-		
107	b	-		

Note		Model	Articulation	Excl. Group
108	c	Splash	10"	
109	c#	Crash	12"	
110	d	Crash	14"	
111	d#	Crash	16"	
112	e	Crash	17"	
113	f	Crash	18"	
114	f#	Crash	19"	
115	g	-		
116	g#	-		
117	a	-		
118	a#	-		
119	b	-		
120	c	-		
121	c#	-		
122	d	-		
123	d#	-		
124	e	-		
125	f	-		
126	f#	-		
127	g	-		

ELECTRONIC DRUMS

Sound Bank MSB 85
Prg. 0 - 17 / 85

Drum Kit 85

Important key

Each individual program is played with MIDI key c /60.

Legend

*	Exclusive Group in Drum Kit Mode - MIDI CHANNEL 10
Hold ENV	These copies can be used with MIDI FILES etc ... to determine the length of the release
RR	Round Robin - different sample per velocity zone. Many instruments offer 6 velocity zones.
Excl. Group	Key belonging to the same group mute each other. Just Drumkit Mode Ch10 offer this feature.



MIRROR NOTES / COPIES

If you have two pads that output note numbers on two different MIDI notes, you can play faster.

The following was provided for this:

*You can find the sound of the MIDI note 60 as a copy on number 59.
As well as the MIDI note 59 as a copy on number 58.*

*These copies are not specified in the sound list of the individual sounds.
The description would no longer seem so clear.*

If an instrument has two different tones, such as bongos, you will also find a reflection for the higher version.

Electronic Drums

MSB 85

Prg.	Instrument	Genre
00	Electronic Bass Drum	Techno
01	Electronic Bass Drum	Techno
02	Electronic Bass Drum	Techno
03	Electronic Bass Drum	Techno
04	Electronic Bass Drum	Techno
05	Electronic Bass Drum	Techno House
06	Electronic Bass Drum	Techno House
07	Electronic Bass Drum	Techno House
08	Electronic Bass Drum	Techno House
09	Electronic Bass Drum	Techno House
10	Electronic Bass Drum	Minimal Techno
11	Electronic Bass Drum	Minimal Techno
12	Electronic Bass Drum	Minimal Techno
13	Electronic Bass Drum	Minimal Techno
14	Electronic Bass Drum	Minimal Techno
15	Electronic Bass Drum	Dark Techno
16	Electronic Bass Drum	Dark Techno
17	Electronic Bass Drum	Dark Techno
18	Electronic Bass Drum	Dark Techno
19	Electronic Bass Drum	Dark Techno
20	Electronic Bass Drum	Melodic Techno
21	Electronic Bass Drum	Melodic Techno
22	Electronic Bass Drum	Melodic Techno
23	Electronic Bass Drum	Melodic Techno
24	Electronic Bass Drum	Melodic Techno
25	Electronic Bass Drum	House
26	Electronic Bass Drum	House
27	Electronic Bass Drum	House
28	Electronic Bass Drum	House
29	Electronic Bass Drum	House
30	Electronic Bass Drum	Industrial
31	Electronic Bass Drum	Industrial
32	Electronic Bass Drum	Industrial
33	Electronic Bass Drum	Industrial
34	Electronic Bass Drum	Industrial

Electronic Drums

MSB 85

Prg.	Instrument	Genre
35	Electronic Snare	Techno
36	Electronic Snare	Techno
37	Electronic Snare	Techno
38	Electronic Snare	Techno
39	Electronic Snare	Techno
40	Electronic Snare	Techno House
41	Electronic Snare	Techno House
42	Electronic Snare	Techno House
43	Electronic Snare	Techno House
44	Electronic Snare	Techno House
45	Electronic Snare	Minimal Techno
46	Electronic Snare	Minimal Techno
47	Electronic Snare	Minimal Techno
48	Electronic Snare	Minimal Techno
49	Electronic Snare	Minimal Techno
50	Electronic Snare	Dark Techno
51	Electronic Snare	Dark Techno
52	Electronic Snare	Dark Techno
53	Electronic Snare	Dark Techno
54	Electronic Snare	Dark Techno
55	Electronic Snare	Melodic Techno
56	Electronic Snare	Melodic Techno
57	Electronic Snare	Melodic Techno
58	Electronic Snare	Melodic Techno
59	Electronic Snare	Melodic Techno
60	Electronic Snare	House
61	Electronic Snare	House
62	Electronic Snare	House
63	Electronic Snare	House
64	Electronic Snare	House
65	Electronic Snare	Industrial
66	Electronic Snare	Industrial
67	Electronic Snare	Industrial
68	Electronic Snare	Industrial
69	Electronic Snare	Industrial

Prg.	Instrument	Genre
70	Electronic Claps	Techno
71	Electronic Claps	Techno
72	Electronic Claps	Techno House
73	Electronic Claps	Techno House
74	Electronic Claps	Techno House
75	Electronic Claps	Techno House
76	Electronic Claps	Minimal Techno
77	Electronic Claps	Minimal Techno
78	Electronic Claps	Dark Techno
79	Electronic Claps	Dark Techno
80	Electronic Claps	Melodic Techno
81	Electronic Claps	Melodic Techno
82	Electronic Claps	House
86	Electronic Claps	House
84	Electronic Claps	Industrial
85	Electronic Claps	Industrial

Prg.	Instrument	Genre
86	Electronic Percussion	
87	Electronic Percussion	
88	Electronic Percussion	
89	Electronic Percussion	
90	Electronic Percussion	
91	Electronic Percussion	
92	Electronic Percussion	
93	Electronic Percussion	
94	Electronic Percussion	
95	Electronic Percussion	

Prg.	Instrument	Genre
96	Electronic Toms	Note 59 - 96
97	Electronic Toms	Note 59 - 96
98	Electronic Cymbals	
99	Electronic Cymbals	
100	Electronic Cymbals	
101	Electronic Cymbals	

Prg.	Instrument	Genre
102	Electronic HiHat	Techno
103	Electronic HiHat	Techno House
104	Electronic HiHat	Minimal Techno
105	Electronic HiHat	Dark Techno
106	Electronic HiHat	Melodic
107	Electronic HiHat	House
108	Electronic HiHat	Industrial

Electronic HiHat mapping: 60 62 64 65 - closed to open

Electronic Drums 1

Drum Kit 85

Note		Model	Articulation	Excl. Group
		-		
1	c#	E-Bass Drum		
2	d	E-Bass Drum		
3	d#	E-Bass Drum		
4	e	E-Bass Drum		
5	f	E-Bass Drum		
6	f#	E-Bass Drum		
7	g	E-Bass Drum		
8	g#	E-Bass Drum		
9	a	E-Bass Drum		
10	a#	E-Bass Drum		
11	b	E-Bass Drum		
12	c	E-Bass Drum		
13	c#	E-Bass Drum		
14	d	E-Bass Drum		
15	d#	E-Bass Drum		
16	e	E-Bass Drum		
17	f	E-Bass Drum		
18	f#	E-Bass Drum		
19	g	E-Bass Drum		
20	g#	E-Bass Drum		
21	a	E-Bass Drum		
22	a#	E-Bass Drum		
23	b	E-Bass Drum		
24	c	E-Bass Drum		
25	c#	E-Bass Drum		
26	d	E-Bass Drum		
27	d#	E-Bass Drum		
28	e	E-Bass Drum		
29	f	E-Bass Drum		
30	f#	E-Bass Drum		
31	g	E-Bass Drum		
32	g#	E-Bass Drum		
33	a	E-Bass Drum		
34	a#	E-Bass Drum		
35	b	E-Bass Drum		

Note		Model	Articulation	Excl. Group
36	c	E-Snare		
37	c#	E-Snare		
38	d	E-Snare		
39	d#	E-Snare		
40	e	E-Snare		
41	f	E-Snare		
42	f#	E-Snare		
43	g	E-Snare		
44	g#	E-Snare		
45	a	E-Snare		
46	a#	E-Snare		
47	b	E-Snare		
48	c	E-Snare		
49	c#	E-Snare		
50	d	E-Snare		
51	d#	E-Snare		
52	e	E-Snare		
53	f	E-Snare		
54	f#	E-Snare		
55	g	E-Snare		
56	g#	E-Snare		
57	a	E-Snare		
58	a#	E-Snare		
59	b	E-Snare		
60	c	E-HiHat	Closed	1
61	c#	E-HiHat	Closed copy	1
62	d	E-HiHat	Closed copy	1
63	d#	E-HiHat	Closed copy	1
64	e	E-HiHat	Closed copy	1
65	f	E-HiHat	Closed copy	1
66	f#	E-HiHat	Open	1
67	g	E-HiHat	Open copy	1
68	g#	E-HiHat	Open copy	1
69	a	E-HiHat	Open copy	1
70	a#	E-HiHat	Open copy	1
71	b	E-HiHat	Open copy	1

Electronic Drums 1

Drumkit 85

Note		Model	Articulation	Excl. Group
72	c	E-HiHat	Closed	1
73	c#	-		
74	d	-		
75	d#	-		
76	e	-		
77	f	-		
78	f#	-		
79	g	E-Cymbal	Crash	
80	g#	E-Cymbal	Crash	
81	a	E-Cymbal	Ride	
82	a#	E-Cymbal	Ride	
83	b	-		
84	c	E-Tom 1		
85	c#	E-Tom 1		
86	d	E-Tom 1		
87	d#	E-Tom 1		
88	e	E-Tom 1		
89	f	E-Tom 1		
90	f#	E-Tom 1		
91	g	E-Tom 1		
92	g#	E-Tom 1		
93	a	E-Tom 1		
94	a#	E-Tom 1		
95	b	E-Tom 1		
96	c	E-Tom 2		
97	c#	E-Tom 2		
98	d	E-Tom 2		
99	d#	E-Tom 2		
100	e	E-Tom 2		
101	f	E-Tom 2		
102	f#	E-Tom 2		
103	g	E-Tom 2		
104	g#	E-Tom 2		
105	a	E-Tom 2		
106	a#	E-Tom 2		
107	b	E-Tom 2		

Note		Model	Articulation	Excl. Group
108	c	E-Percussion FX		
109	c#	E-Percussion FX		
110	d	E-Percussion FX		
111	d#	E-Percussion FX		
112	e	E-Percussion FX		
113	f	E-Percussion FX		
114	f#	E-Percussion FX		
115	g	E-Percussion FX		
116	g#	E-Percussion FX		
117	a	E-Percussion FX		
118	a#	E-Claps		
119	b	E-Claps		
120	c	E-Claps		
121	c#	E-Claps		
122	d	E-Claps		
123	d#	E-Claps		
124	e	E-Claps		
125	f	E-Claps		
126	f#	E-Claps		
127	g	E-Claps		

Percussion instruments

LATIN 1

Sound Bank MSB 90
Prg. 0 - 41 / 90 - 96

Drum Kit 90-96

Important keys

The most important articulations for many percussion sounds are on the keys:

c /60 Open tone
c#/61 Open tone short release
d /62 Slap/Mute

Legend

*	Exclusive Group in Drum Kit Mode - MIDI CHANNEL 10
Hold ENV	These copies can be used with MIDI FILES etc ... to determine the length of the release
Resonance	Just the Resonance of an open tone - use this for modelling OPEN to MUTE
RR	Round Robin - different samples each stroke.
Excl. Group	Key belonging to the same group mute each other. Just Drum Kit Mode Ch10 offer this feature.



MIRROR NOTES / COPIES

If you have two pads that output note numbers on two different MIDI notes, you can play faster.

The following was provided for this:

*You can find the sound of the MIDI note 60 as a copy on number 59.
As well as the MIDI note 61 as a copy on number 58.*

*These copies are not specified in the sound list of the individual sounds.
The description would no longer seem so clear.*

If an instrument has two different tones, such as bongos, you will also find a reflection for the higher version.

Prg.	Instrument	Artic. Var.	Samples	Drum Kit
00	Tumba	7	102	90
01	Conga	7	108	90
02	Quinto	7	100	90
03	Bongo Hembra	7	75	91
04	Bongo Macho	7	93	91
05	Timbales Hembra	7	90	92
06	Timbales Macho	7	89	92
07	Pandeiro Mute	7	91	93
08	Pandeiro Choro	7	91	93
09	Pandeiro Samba	7	91	93
10	Surdo Low	4	72	93
11	Surdo High	4	72	93
12	Djembe Low	6	86	94
13	Djembe	6	86	94
14	Cajon	5	53	94
15	Tamborim	2	36	92
16	Caixa	3	36	92
17	Agogo Low	2	24	91
18	Agogo Medium	2	36	91
19	Agogo High	2	12	91
20	Jamblock	1	18	91
21	Cowbell 1	4	7	91
22	Cowbell 2	4	12	91
23	Cowbell 3 Cha Cha Bell	2	36	91
24	Cowbell 4 Bongo Bell	3	72	91
25	Claves Low	2	36	91
26	Woodblock	1	4	91
27	Triangle Low	3	36	91
28	Triangle High	2	4	91
29	Shekere	3	36	95
30	Guiro	2	36	95
31	Guira	2	36	95
32	Maracas 1	2	36	95
33	Maracas 2	3	13	95
34	Tamburin	3	4	95

Prg.	Instrument	Artic. Var.	Samples	Drum Kit
35	Caxixi High	4	32	95
36	Caxixi Medium	4	33	95
37	Caxixi Low	4	31	95
38	Samba Whistle	2	2	95
39	Chimes	2	2	95
40	Vibraslap	1	1	95
41	Crotales	1	4	95

Prg.	Instrument	
90	Tumba - Conga - Quinto	Mirror mapping page 72
91	Bongos	Mirror mapping page 74
92	Timbales - Caixa	Mirror mapping page 76
93	Pandeiro - Surdo	Mirror mapping page 78
94	Djembe	Mirror mapping page 80
95	Cuiro, Maracas, Shekere, Caixixi...	Mirror mapping page 82
96	Percussion Latin 1 Selection	Mirror mapping page 84

Drum Kits

Prg.	Instrument	
90	Tumba - Conga - Quinto	Mirror mapping page 72
91	Bongos	Mirror mapping page 74
92	Timbales - Caixa	Mirror mapping page 76
93	Pandeiro - Surdo	Mirror mapping page 78
94	Djembe	Mirror mapping page 80
95	Cuiro, Maracas, Shekere, Caixixi...	Mirror mapping page 82
96	Percussion Latin 1 Selection	Mirror mapping page 84

Percussion Latin - Tumba

MSB 90 Prg. 0

Note		Model	Articulation	
60	c	Tumba	Open tone	Round Robin
61	c#	Tumba	Open short	Round Robin
62	d	Tumba	Slap open	Round Robin
63	d#	Tumba	Slap closed	Round Robin
64	e	Tumba	Fingers	Round Robin
65	f	Tumba	Tip	Round Robin
66	f#	Tumba	Palm	Round Robin
67	g	Tumba	Open tone copy bend up	Round Robin

Percussion Latin - Conga

MSB 90 Prg. 1

Note		Model	Articulation	
60	c	Conga	Open tone	Round Robin
61	c#	Conga	Open short	Round Robin
62	d	Conga	Slap open	Round Robin
63	d#	Conga	Slap closed	Round Robin
64	e	Conga	Fingers	Round Robin
65	f	Conga	Tip	Round Robin
66	f#	Conga	Palm	Round Robin
67	g	Conga	Open tone copy bend up	Round Robin

Percussion Latin - Quinto

MSB 90 Prg. 2

Note		Model	Articulation	
60	c	Quinto	Open tone	Round Robin
61	c#	Quinto	Open short	Round Robin
62	d	Quinto	Slap open	Round Robin
63	d#	Quinto	Slap closed	Round Robin
64	e	Quinto	Fingers	Round Robin
65	f	Quinto	Tip	Round Robin
66	f#	Quinto	Palm	Round Robin
67	g	Quinto	Open tone copy bend up	Round Robin

Percussion Latin - Bongo Hembra

MSB 90 Prg. 3

Note		Model	Articulation	
60	c	Bongo Hembra	Open tone	Round Robin
61	c#	Bongo Hembra	Open short	Round Robin
62	d	Bongo Hembra	Slap open	Round Robin
63	d#	Bongo Hembra	Slap closed	Round Robin
64	e	Bongo Hembra	Fingers	Round Robin
65	f	Bongo Hembra	Tip	Round Robin
66	f#	Bongo Hembra	Palm	Round Robin
67	g	Bongo Hembra	Open tone copy bend up	Round Robin

Percussion Latin - Bongo Macho

MSB 90 Prg. 4

Note		Model	Articulation	
60	c	Bongo Macho	Open tone	Round Robin
61	c#	Bongo Macho	Open short	Round Robin
62	d	Bongo Macho	Slap open	Round Robin
63	d#	Bongo Macho	Slap closed	Round Robin
64	e	Bongo Macho	Fingers	Round Robin
65	f	Bongo Macho	Tip	Round Robin
66	f#	Bongo Macho	Palm	Round Robin
67	g	Bongo Macho	Open tone copy bend up	Round Robin

Percussion Latin - Timbales Hembra

MSB 90 Prg. 5

Note		Model	Articulation	
60	c	Timbales Hembra	Center open tone	Round Robin
61	c#	Timbales Hembra	Center open tone short	Round Robin
62	d	Timbales Hembra	Rim open	Round Robin
63	d#	Timbales Hembra	Finger closed	Round Robin
64	e	Timbales Hembra	Finger open tone	Round Robin
65	f	Timbales Hembra	Cascara	Round Robin
66	f#	Timbales Hembra	Open tone copy bend up	Round Robin

Percussion Latin - Pandeiro Choro

MSB 90 Prg. 8

Note		Model	Articulation	
60	c	Pandeiro Choro	Bass tone	Round Robin
61	c#	Pandeiro Choro	Bass tone short	Round Robin
62	d	Pandeiro Choro	Slap finger	Round Robin
63	d#	Pandeiro Choro	Slap thump	Round Robin
64	e	Pandeiro Choro	High tone	Round Robin
65	f	Pandeiro Choro	Bass tone up	Round Robin
66	f#	Pandeiro Choro	Trill	Round Robin
67	g	Pandeiro Choro	Open tone copy bend up	Round Robin

Percussion Latin - Timbales Macho

MSB 90 Prg. 6

Note		Model	Articulation	
60	c	Timbales Macho	Center open tone	Round Robin
61	c#	Timbales Macho	Center open tone short	Round Robin
62	d	Timbales Macho	Rim open	Round Robin
63	d#	Timbales Macho	Finger closed	Round Robin
64	e	Timbales Macho	Finger open tone	Round Robin
65	f	Timbales Macho	Cascara	Round Robin
66	f#	Timbales Macho	Open tone copy bend up	Round Robin

Percussion Latin - Pandeiro Samba

MSB 90 Prg. 9

Note		Model	Articulation	
60	c	Pandeiro Samba	Bass tone	Round Robin
61	c#	Pandeiro Samba	Bass tone short	Round Robin
62	d	Pandeiro Samba	Slap finger	Round Robin
63	d#	Pandeiro Samba	Slap thump	Round Robin
64	e	Pandeiro Samba	High tone	Round Robin
65	f	Pandeiro Samba	Bass tone up	Round Robin
66	f#	Pandeiro Samba	Trill	Round Robin
67	g	Pandeiro Samba	Open tone copy bend up	Round Robin

Percussion Latin - Pandeiro Mute

MSB 90 Prg. 7

Note		Model	Articulation	
60	c	Pandeiro Mute	Bass tone	Round Robin
61	c#	Pandeiro Mute	Bass tone short	Round Robin
62	d	Pandeiro Mute	Slap finger	Round Robin
63	d#	Pandeiro Mute	Slap thump	Round Robin
64	e	Pandeiro Mute	High tone	Round Robin
65	f	Pandeiro Mute	Bass tone up	Round Robin
66	f#	Pandeiro Mute	Trill	Round Robin
67	g	Pandeiro Mute	Open tone copy bend up	Round Robin

Percussion Latin - Surdo Low

MSB 90 Prg. 10

Note		Model	Articulation	
60	c	Surdo Low	Bass	Round Robin
61	c#	Surdo Low	Bass muffeld	Round Robin
62	d	Surdo Low	Rim	Round Robin
63	d#	Surdo Low	Hand stroke	Round Robin
64	e	Surdo Low	Bass bend up 7	Round Robin
65	f	Surdo Low	Bass bend down 5	Round Robin

Percussion Latin - Surdo High

MSB 90 Prg. 11

Note		Model	Articulation	
60	c	Surdo High	Bass	Round Robin
61	c#	Surdo High	Bass muffeld	Round Robin
62	d	Surdo High	Rim	Round Robin
63	d#	Surdo High	Hand stroke	Round Robin
64	e	Surdo High	Bass bend up 7	Round Robin
65	f	Surdo High	Bass bend down 5	Round Robin

Percussion Latin - Djembe Low

MSB 90 Prg. 12

Note		Model	Articulation	
60	c	Djembe Low	Bass tone long processed	Round Robin
61	c#	Djembe Low	Bass tone	Round Robin
62	d	Djembe Low	Slap closed	Round Robin
63	d#	Djembe Low	Slap open	Round Robin
64	e	Djembe Low	Open tone	Round Robin
65	f	Djembe Low	Fingers	Round Robin
66	f#	Djembe Low	Bass bend up	Round Robin

Percussion Latin - Djembe

MSB 90 Prg. 13

Note		Model	Articulation	
60	c	Djembe	Bass tone long processed	Round Robin
61	c#	Djembe	Bass tone	Round Robin
62	d	Djembe	Slap closed	Round Robin
63	d#	Djembe	Slap open	Round Robin
64	e	Djembe	Open tone	Round Robin
65	f	Djembe	Fingers	Round Robin
66	f#	Djembe	Bass bend up	Round Robin

Percussion Latin - Cajon

MSB 90 Prg. 14

Note		Model	Articulation	
60	c	Cajon	Bass tone	Round Robin
61	c#	Cajon	Bass tone muffeld	Round Robin
62	d	Cajon	Slap tone hard	Round Robin
63	d#	Cajon	Slap tone	Round Robin
64	e	Cajon	Open tone	Round Robin

Percussion Latin - Tamborim

MSB 90 Prg. 15

Note		Model	Articulation	
60	c	Tamborim	Open	Round Robin
61	c#	Tamborim	Open muffeld	Round Robin
62	d	Tamborim	Mute	Round Robin
63	d#	Tamborim	Open bend up	Round Robin

Percussion Latin - Caixa

MSB 90 Prg. 16

Note		Model	Articulation	
60	c	Caixa		Round Robin
61	c#	Caixa	Just piano samples	Round Robin
62	d	Caixa	Flam full	Round Robin
63	d#	Caixa	Flam short	Round Robin
64	e	Caixa	Flam short soft attack	Round Robin
65	f	Caixa	Flash soft samples	Round Robin
66	f#	Caixa	Bend up soft	Round Robin

Percussion Latin - Agogo Low

MSB 90 Prg. 17

Note		Model	Articulation	
60	c	Agogo Low	Open	Round Robin
61	c#	Agogo Low	Open short	Round Robin
62	d	Agogo Low	Mute	Round Robin
63	d#	Agogo Low	Mute short	Round Robin

Percussion Latin - Agogo Medium

MSB 90 Prg. 18

Note		Model	Articulation	
60	c	Agogo Medium	Open	Round Robin
61	c#	Agogo Medium	Open short	Round Robin
62	d	Agogo Medium	Mute	Round Robin
63	d#	Agogo Medium	Mute short	Round Robin

Percussion Latin - Agogo High

MSB 90 Prg. 19

Note		Model	Articulation	
60	c	Agogo High	Open	Round Robin
61	c#	Agogo High	Open short	Round Robin
62	d	Agogo High	Mute	Round Robin
63	d#	Agogo High	Mute short	Round Robin

Percussion Latin - Jamblock

MSB 90 Prg. 20

Note		Model	Articulation	
60	c	Jamblock		Round Robin
61	c#	Jamblock	Short	Round Robin

Percussion Latin - Cowbell 1

MSB 90 Prg. 21

Note		Model	Articulation	
60	c	Cowbell 1	Edge open	Round Robin
61	c#	Cowbell 1	Edge mute	Round Robin
62	d	Cowbell 1	Mouth open	Round Robin
63	d#	Cowbell 1	Mouth mute	Round Robin

Percussion Latin - Cowbell 2

MSB 90 Prg. 22

Note		Model	Articulation	
60	c	Cowbell 2	Edge open	Round Robin
61	c#	Cowbell 2	Edge mute	Round Robin
62	d	Cowbell 2	Mouth open	Round Robin
63	d#	Cowbell 2	Mouth mute	Round Robin
64	e	Cowbell 2	Edge 2nd mute	Round Robin
65	f	Cowbell 2	Mouth 2nd mute	Round Robin

Percussion Latin - Cowbell 3 Cha Cha

MSB 90 Prg. 23

Note		Model	Articulation	
60	c	Cowbell 3 Cha Cha Bell	Edge open	Round Robin
61	c#	Cowbell 3 Cha Cha Bell	Edge mute	Round Robin
62	d	Cowbell 3 Cha Cha Bell	Edge 2nd mute	Round Robin

Percussion Latin - Cowbell 4 Bongo Bell

MSB 90 Prg. 24

Note		Model	Articulation	
60	c	CB4 Bongo Bell	Edge open	Round Robin
61	c#	CB4 Bongo Bell	Edge mute	Round Robin
62	d	CB4 Bongo Bell	Mouth open	Round Robin
63	d#	CB4 Bongo Bell	Mouth mute	Round Robin

Percussion Latin - Claves

MSB 90 Prg. 25

Note		Model	Articulation	
60	c	Claves		Round Robin
61	c#	Claves	Mute	Round Robin
62	d	Claves	Low	Round Robin

Percussion Latin - Woodblock

MSB 90 Prg. 26

Note		Model	Articulation	
60	c	Woodblock	Open	Round Robin

Percussion Latin - Triangle Low

MSB 90 Prg. 27

Note		Model	Articulation	
60	c	Triangle Low	Open	Round Robin
61	c#	Triangle Low	Open short	Round Robin
62	d	Triangle Low	Mute	Round Robin

Percussion Latin - Triangle High

MSB 90 Prg. 28

Note		Model	Articulation	
60	c	Triangle High	Open	Round Robin
61	c#	Triangle High	Open short	Round Robin
62	d	Triangle High	Mute	Round Robin

Percussion Latin - Shekere

MSB 90 Prg. 29

Note		Model	Articulation	
60	c	Shekere	Stroke 2	Round Robin
61	c#	Shekere	Stroke 2	Round Robin
62	d	Shekere	Tone	Round Robin
63	d#	Shekere	Tone mute	Round Robin

Percussion Latin - Guiro

MSB 90 Prg. 30

Note		Model	Articulation	
60	c	Guiro		Round Robin
61	c#	Guiro	Mute	Round Robin

Percussion Latin - Guira

MSB 90 Prg. 31

Note		Model	Articulation	
60	c	Guira		Round Robin
61	c#	Guira	Mute	Round Robin

Percussion Latin - Maracas 1

MSB 90 Prg. 32

Note		Model	Articulation	
60	c	Maracas 1		Round Robin
61	c#	Maracas 1	Accent	Round Robin

Percussion Latin - Maracas 2

MSB 90 Prg. 33

Note		Model	Articulation	
60	c	Maracas 2		Round Robin
61	c#	Maracas 2		Round Robin
62	d	Maracas 2		Round Robin

Percussion Latin - Tambourin

MSB 90 Prg. 34

Note		Model	Articulation	
60	c	Tambourin	Open 1	Round Robin
61	c#	Tambourin	Open 2	Round Robin
62	d	Tambourin	Mute	Round Robin

Percussion Latin - Caixixi High

MSB 90 Prg. 35

Note		Model	Articulation	
60	c	Caixixi High		Round Robin
61	c#	Caixixi High		Round Robin
62	d	Caixixi High	Slow	Round Robin
63	d#	Caixixi High	Slow	Round Robin

Percussion Latin - Caixixi Medium

MSB 90 Prg. 36

Note		Model	Articulation	
60	c	Caixixi Medium		Round Robin
61	c#	Caixixi Medium		Round Robin
62	d	Caixixi Medium	Slow	Round Robin
63	d#	Caixixi Medium	Slow	Round Robin

Percussion Latin - Caixixi Low

MSB 90 Prg. 37

Note		Model	Articulation	
60	c	Caixixi Low		Round Robin
61	c#	Caixixi Low		Round Robin
62	d	Caixixi Low	Slow	Round Robin
63	d#	Caixixi Low	Slow	Round Robin

Percussion Latin - Samba Whistle

MSB 90 Prg. 38

Note		Model	Articulation	
60	c	Samba Whistle	High	
61	c#	Samba Whistle	Low	

Percussion Latin - Chimes

MSB 90 Prg. 39

Note		Model	Articulation	
60	c	Chimes	Up	
61	c#	Chimes	Up short	
62	d	Chimes	Hit	
63	d#	Chimes	Down	
64	e	Chimes	Down short	
65	f	Chimes	Hit	

Percussion Latin - Vibraslap

MSB 90 Prg. 40

Note		Model	Articulation	
60	c	Vibraslap		
61	c#	Vibraslap	Soft	

Percussion Latin - Cortales

MSB 90 Prg. 40

Note		Model	Articulation	
60	c	Cortales		Round Robin

Percussion - Congas

MSB 90 Prg 90 & Drum Kit 90

Note		Model	Articulation	
48	c	Tumba	Palm	*
49	c#	Tumba	Tip	*
50	d	Tumba	Slap closed	*
51	d#	Tumba	Slap open	*
52	e	Tumba	Open tone	*
53	f	Tumba	Fingers	*
54	f#	Tumba	Fingers	
55	g	Tumba	Open tone	
56	g#	Tumba	Slap open	
57	a	Tumba	Slap closed	
58	a#	Tumba	Tip	
59	b	Tumba	Palm	
60	c	Conga	Palm	*
61	c#	Conga	Tip	*
62	d	Conga	Slap closed	*
63	d#	Conga	Slap open	*
64	e	Conga	Open tone	*
65	f	Conga	Fingers	*
66	f#	Conga	Fingers	
67	g	Conga	Open tone	
68	g#	Conga	Slap open	
69	a	Conga	Slap closed	
70	a#	Conga	Tip	
71	b	Conga	Palm	
72	c	Quinto	Palm	*
73	c#	Quinto	Tip	*
74	d	Quinto	Slap closed	*
75	d#	Quinto	Slap open	*
76	e	Quinto	Open tone	*
77	f	Quinto	Fingers	*
78	f#	Quinto	Fingers	
79	g	Quinto	Open tone	
80	g#	Quinto	Slap open	
81	a	Quinto	Slap closed	
82	a#	Quinto	Tip	
83	b	Quinto	Palm	

Note		Model	Articulation	
84	c	Tumba	Slap open	Hold ENV
85	c#	Tumba	Open tone	Hold ENV
86	d	Tumba	Fingers	Hold ENV
87	d#	Conga	Slap open	Hold ENV
88	e	Conga	Open tone	Hold ENV
89	f	Conga	Fingers	Hold ENV
90	f#	Quinto	Slap open	Hold ENV
91	g	Quinto	Open tone	Hold ENV
92	g#	Quinto	Fingers	Hold ENV
97	c#	Tumba	Muffled tone	
98	d	Conga	Muffled tone	
99	d#	Quinto	Muffled tone	
120	c	Tumba	Resonance	
121	c#	Conga	Resonance	
122	d	Quinto	Resonance	

Percussion - Bongos - Cowbells.. MSB 90 Prg. 91 & Drum Kit 91

Note		Model	Articulation	
36	c	Hembra	Palm	
37	c#	Hembra	Tip	
38	d	Hembra	Slap closed	
39	d#	Hembra	Slap open	
40	e	Hembra	Open tone	
41	f	Hembra	Fingers	
42	f#	Hembra	Fingers	
43	g	Hembra	Open tone	
44	g#	Hembra	Slap open	
45	a	Hembra	Slap closed	
46	a#	Hembra	Tip	
47	b	Hembra	Palm copy 36	
48	c	Macho	Palm	
49	c#	Macho	Tip	
50	d	Macho	Slap closed	
51	d#	Macho	Slap open	
52	e	Macho	Open tone	
53	f	Macho	Fingers	
54	f#	Macho	Fingers	
55	g	Macho	Open tone	
56	g#	Macho	Slap open	
57	a	Macho	Slap closed	
58	a#	Macho	Tip	
59	b	Macho	Palm copy 48	
60	c	Woodblock	Low	
61	c#	Woodblock	Mid	
62	d	Woodblock	High	
63	d#	Claves	Low	
64	e	Claves	High	
65	f	Jamblock	Low	

Note		Model	Articulation	
66	f#	Jamblock	Mid	
67	g	Jamblock	High	
68	g#	Cowbell 1	Edge open	Hold ENV
69	a	Cowbell 1	Edge open	*
70	a#	Cowbell 1	Edge mute	*
71	b	Cowbell 1	Mouth open	Hold ENV
72	c	Cowbell 1	Mouth open	*
73	c#	Cowbell 1	Mouth mute	*
74	d	Cowbell 2	Edge open	Hold ENV
75	d#	Cowbell 2	Edge open	*
76	e	Cowbell 2	Edge mute	*
77	f	Cowbell 2	Mouth open	Hold ENV
78	f#	Cowbell 2	Mouth open	*
79	g	Cowbell 2	Mouth mute	*
80	g#	Cowbell 3 Cha Cha Bell	Edge open	Hold ENV
81	a	Cowbell 3 Cha Cha Bell	Edge open	*
82	a#	Cowbell 3 Cha Cha Bell	Edge mute	*
83	b	Cowbell 4 Bongo Bell	Mouth open	
84	c	Cowbell 4 Bongo Bell	Mouth closed	
85	c#	Cowbell 4 Bongo Bell	Edge open	
86	d	Cowbell 4 Bongo Bell	Edge closed	
87	d#	Agogo Low	Open	Hold ENV
88	e	Agogo Low	Open	*
89	f	Agogo Low	Mute	*
90	f#	Agogo High	Open	Hold ENV
91	g	Agogo High	Open	*
92	g#	Agogo High	Mute	*
93	a	Agogo	Mute	
94	a#	Agogo	Full mute	
95	b	Triangle	Open	Hold ENV
96	c	Triangle	Open	*
97	c#	Triangle	Mute	*
98	d	Triangle High	Open	Hold ENV
99	d#	Triangle High	Open	*
100	e	Triangle High	Mute	*

Percussion - Timbales - Tamborim... MSB 90 Prg. 92 & Drum Kit 92

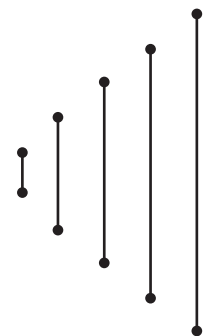
Note		Model	Articulation	
48	c	Timbales Macho	Cascara	*
49	c#	Timbales Macho	Cascara copy 48	*
50	d	Timbales Macho	Finger closed	*
51	d#	Timbales Macho	Rim open	*
52	e	Timbales Macho	Center open tone	*
53	f	Timbales Macho	Finger open tone	*
54	f#	Timbales Macho	Finger open tone	
55	g	Timbales Macho	Center open tone	
56	g#	Timbales Macho	Rim open	
57	a	Timbales Macho	Finger closed	
58	a#	Timbales Macho	Cascara copy 59	
59	b	Timbales Macho	Cascara	
60	c	Timbales Hembra	Cascara	*
61	c#	Timbales Hembra	Cascara copy 60	*
62	d	Timbales Hembra	Finger closed	*
63	d#	Timbales Hembra	Rim open	*
64	e	Timbales Hembra	Center open tone	*
65	f	Timbales Hembra	Finger open tone	*
66	f#	Timbales Hembra	Finger open tone	
67	g	Timbales Hembra	Center open tone	
68	g#	Timbales Hembra	Rim open	
69	a	Timbales Hembra	Finger closed	
70	a#	Timbales Hembra	Cascara copy 71	
71	b	Timbales Hembra	Cascara	
72	c	Timbales Macho	Center open tone	Hold ENV
73	c#	Timbales Macho	Finger open tone	Hold ENV
74	d	Timbales Hembra	Center open tone	Hold ENV
75	d#	Timbales Hembra	Finger open tone	Hold ENV

Note		Model	Articulation	
84	c	Caixa	Flam full	*
85	c#	Caixa	Flam short	*
86	d	Caixa	Flam short soft attack	*
87	d#	Caixa	Flash soft samples	*
88	e	Caixa		*
89	f	Caixa	Just piano	*
90	f#	Caixa	Just piano	
91	g	Caixa		
92	g#	Caixa	Flash soft samples	
93	a	Caixa	Flam short soft attack.	
94	a#	Caixa	Flam short	
95	b	Caixa	Flam full	
96	c	Tamborim	Open	
97	c#	Tamborim	Closed	
98	d	Tamborim Low	Open	
99	d#	Tamborim Low	Closed	
		-		
		-		
120	c	Timbales Macho	Resonance	
121	c#	Timbales Hembra	Resonance	



MIRROR OCTAVE MAPPING FOR KEYBOARD PLAYERS

This scheme for mapping the articulation was chosen in order to be able to play quickly with both hands on a keyboard.



Percussion - Pandeiro - Surdo

MSB 90 Prg. 93 & Drum Kit 93

Note		Model	Articulation	
48	c	Pandeiro Mute	Bass tone	*
49	c#	Pandeiro Mute	Bass tone up	*
50	d	Pandeiro Mute	Slap thump	*
51	d#	Pandeiro Mute	Slap finger	*
52	e	Pandeiro Mute	Frame	*
53	f	Pandeiro Mute	Trill	*
54	f#	Pandeiro Mute	Trill - Hold ENV	
55	g	Pandeiro Mute	Frame	
56	g#	Pandeiro Mute	Slap finger	
57	a	Pandeiro Mute	Slap thump	
58	a#	Pandeiro Mute	Bass tone up	
59	b	Pandeiro Mute	Bass tone	
60	c	Pandeiro Choro	Bass tone	*
61	c#	Pandeiro Choro	Bass tone up	*
62	d	Pandeiro Choro	Slap thump	*
63	d#	Pandeiro Choro	Slap finger	*
64	e	Pandeiro Choro	High tone	*
65	f	Pandeiro Choro	Trill	*
66	f#	Pandeiro Choro	Trill - Hold ENV	
67	g	Pandeiro Choro	High tone	
68	g#	Pandeiro Choro	Slap finger	
69	a	Pandeiro Choro	Slap thump	
70	a#	Pandeiro Choro	Bass tone up	
71	b	Pandeiro Choro	Bass tone	
72	c	Pandeiro Samba	Bass tone	*
73	c#	Pandeiro Samba	Bass tone up	*
74	d	Pandeiro Samba	Slap thump	*
75	d#	Pandeiro Samba	Slap finger	*
76	e	Pandeiro Samba	High tone	*
77	f	Pandeiro Samba	Trill	*
78		Pandeiro Samba	Trill - Hold ENV	
79		Pandeiro Samba	High tone	
80		Pandeiro Samba	Slap finger	
81		Pandeiro Samba	Slap thump	
82		Pandeiro Samba	Bass tone up	
83		Pandeiro Samba	Bass tone	

Note		Model	Articulation	
84	c	Surdo Low	Bass	*
85	c#	Surdo Low	Bass muffeld	*
86	d	Surdo Low	Rim	*
87	d#	Surdo Low	Hand stroke	*
88	e	-		
89	f	-		
90	f#	-		
91	g	-		
92	g#	Surdo Low	Hand stroke	
93	a	Surdo Low	Rim	
94	a#	Surdo Low	Bass muffeld	
95	b	Surdo Low	Bass	
96	c	Surdo High	Bass	*
97	c#	Surdo High	Bass muffeld	*
98	d	Surdo High	Rim	*
99	d#	Surdo High	Hand stroke	*
100	e	-		
101	f	-		
102	f#	-		
103	g	-		
104	g#	Surdo High	Hand stroke	
105	a	Surdo High	Rim	
106	a#	Surdo High	Bass muffeld	
107	b	Surdo High	Bass	
108		Pandeiro Mute	Bass tone	Hold ENV
109		Pandeiro Mute	Bass tone up	Hold ENV
110		Pandeiro Choro	Bass tone	Hold ENV
111		Pandeiro Choro	Bass tone up	Hold ENV
112		Pandeiro Samba	Bass tone	Hold ENV
113		Pandeiro Samba	Bass tone up	Hold ENV
114		Surdo Low	Bass	Hold ENV
115		Surdo High	Bass	Hold ENV
120	c	Pandeiro Mute	Resonance	
121	c#	Pandeiro Choro	Resonance	
122	d	Pandeiro Samba	Resonance	
123	d#	Surdo Low	Resonance	
124	e	Surdo High	Resonance	

Percussion - Djembe & Cajon

MSB 90 Prg. 94 & Drum Kit 94

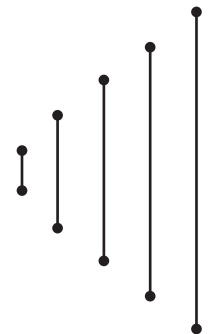
Note		Model	Articulation	
48	c	Cajon	Bass tone	*
49	c#	Cajon	Bass tone copy 48	*
50	d	Cajon	Slap tone hard	*
51	d#	Cajon	Slap tone	*
52	e	Cajon	Open tone	*
53	f	Cajon	Open tone copy 52	*
54	f#	Cajon	Open tone copy 52	
55	g	Cajon	Open tone	
56	g#	Cajon	Slap tone	
57	a	Cajon	Slap tone hard	
58	a#	Cajon	Bass tone copy 48	
59	b	Cajon	Bass tone	
60	c	Djembe Low tuned	Bass tone long processed	*
61	c#	Djembe Low tuned	Bass tone	*
62	d	Djembe Low tuned	Slap closed	*
63	d#	Djembe Low tuned	Slap open	*
64	e	Djembe Low tuned	Open tone	*
65	f	Djembe Low tuned	Fingers	*
66	f#	Djembe Low tuned	Fingers	
67	g	Djembe Low tuned	Open tone	
68	g#	Djembe Low tuned	Slap open	
69	a	Djembe Low tuned	Slap closed	
70	a#	Djembe Low tuned	Bass tone	
71	b	Djembe Low tuned	Bass tone long processed	
72	c	Djembe	Bass tone long processed	*
73	c#	Djembe	Bass tone	*
74	d	Djembe	Slap closed	*
75	d#	Djembe	Slap open	*
76	e	Djembe	Open tone	*
77	f	Djembe	Fingers	*
78	f#	Djembe	Fingers	
79	g	Djembe	Open tone	
80	g#	Djembe	Slap open	
81	a	Djembe	Slap closed	
82	a#	Djembe	Bass tone	
83	b	Djembe	Bass tone long processed	

Note		Model	Articulation	
84	c	Djembe low tuned	Bass tone long processed	Hold ENV
85	c#	Djembe	Bass tone long processed	Hold ENV
120	c	Djembe low tuned	Resonance	
121	c#	Djembe	Resonance	



MIRROR OCTAVE MAPPING FOR KEYBOARD PLAYERS

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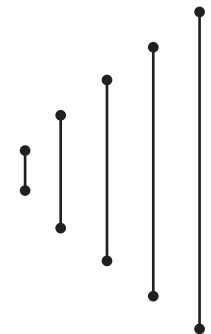
Note		Model	Articulation	
48	c	Guiro	Long	Hold ENV
49	c#	Guiro	Long	*
50	d	Guiro	Short	*
51	d#	Guira	Long	Hold ENV
52	e	Guira	Long	*
53	f	Guira	Short	*
54	f#	Maracas 1	Stroke 1	
55	g	Maracas 1	Stroke 2	
56	g#	Maracas 2	Stroke 1	
57	a	Maracas 2	Stroke 2	
58	a#	Maracas 2	Stroke 3	
59	b	Crotales		
60	c	Shekere	Stroke 1	Hold ENV
61	c#	Shekere	Stroke 1	
62	d	Shekere	Stroke 2	Hold ENV
63	d#	Shekere	Stroke 2	
64	e	Shekere	Tone	Hold ENV *
65	f	Shekere	Tone	*
66	f#	Caxixi Low	Hard	
67	g	Caxixi Low	Hard	
68	g#	Caxixi Low	Soft	
69	a	Caxixi Low	Soft	
70	a#	Caxixi Mid	Hard	
71	b	Caxixi Mid	Hard	
72	c	Caxixi Mid	Soft	
73	c#	Caxixi Mid	Soft	
74	d	Caxixi High	Hard	
75	d#	Caxixi High	Hard	
76	e	Caxixi High	Soft	
77	f	Caxixi High	Soft	

Note		Model	Articulation	
78	f#	Vibraslap		*
79	g	Vibraslap		*
80	g#	Samba Whistle		
81	a	Samba Whistle		
82	a#	Tamburin	Stroke 1	Hold ENV
83	b	Tamburin	Stroke 1	
84	c	Tamburin	Stroke 2	Hold ENV
85	c #	Tamburin	Stroke 2	
86	d	Chimes	Up	Hold ENV
87	d#	Chimes	Up	Full
88	e	Chimes	Up	Short
89	f	Chimes	Up	Cut fast attack
90	f#	Chimes	Down	Hold ENV
91	g	Chimes	Down	Full
92	g#	Chimes	Down	Short
93	a	Chimes	Down	Cut fast attack



MIRROR OCTAVE MAPPING FOR KEYBOARD PLAYERS

This scheme for mapping the articulation was chosen in order to be able to play quickly with both hands on a keyboard.



Percussion - Latin 1 Selection

Drum Kit 96

Note		Model	Articulation	Excl. Group
	-			
1	c#	Cajon	Bass tone	
2	d	Cajon	Slap tone hard	
3	d#	Cajon	Slap tone	
4	e	Cajon	Open tone	
5	f	Tamburin	Stroke 1	1
6	f#	Tamburin	Stroke 2	1
7	g	Tamburin	Stroke 1 stop	1
8	g#	Shekere	Stroke 1	2
9	a	Shekere	Stroke 2	2
10	a#	Shekere	Tone	2
11	b	Shekere	Tone short	
12	c	Pandeiro Choro	Bass tone up	3
13	c#	Pandeiro Choro	Bass tone	3
14	d	Pandeiro Choro	Slap thump	3
15	d#	Pandeiro Choro	Slap finger	3
16	e	Pandeiro Choro	High tone	3
17	f	Pandeiro Choro	Trill	3
18	f#	Pandeiro Choro	Trill	
19	g	Pandeiro Choro	Bass tone up short	
20	g#	Pandeiro Choro	Bass tone short	
21	a	Maracas 2	Stroke 1	
22	a#	Maracas 2	Stroke 2	
23	b	Maracas 2	Stroke 3	
24	c	Djembe	Bass tone long processed	4
25	c#	Djembe	Bass tone	4
26	d	Djembe	Slap closed	4
27	d#	Djembe	Slap open	4
28	e	Djembe	Open tone	4
29	f	Djembe	Fingers	4
30	f#	Djembe	Fingers short	
31	g	Djembe	Bass tone long processed short	
32	g#	Tamborim	Open	10
33	a	Tamborim	Closed	10
34	a#	Maracas 1	Stroke 1	
35	b	Maracas 1	Stroke 2	

Note		Model	Articulation	Excl. Group
36	c	Bongo Hembra	Open tone	
37	c#	Bongo Hembra	Slap open	
38	d	Bongo Hembra	Slap closed	
39	d#	Bongo Hembra	Fingers	
40	e	Bongo Hembra	Tip	
41	f	Bongo Hembra	Palm	
42	f#	Bongo Macho	Open tone	
43	g	Bongo Macho	Slap open	
44	g#	Bongo Macho	Slap closed	
45	a	Bongo Macho	Fingers	
46	a#	Bongo Macho	Tip	
47	b	Bongo Macho	Palm	
48	c	Tumba	Open tone	5
49	c#	Tumba	Open short	5
50	d	Tumba	Slap open	5
51	d#	Tumba	Slap closed	5
52	e	Tumba	Fingers	5
53	f	Tumba	Tip	5
54	f#	Tumba	Palm	
55	g	Tumba	Open tone copy bend up	
56	g#	Tumba	Slap short	
57	a	Cowbell 3 Cha Cha Bell	Edge open	6
58	a#	Cowbell 3 Cha Cha Bell	Edge mute	6
59	b	Woodblock		
60	c	Conga	Open tone	7
61	c#	Conga	Open short	7
62	d	Conga	Slap open	7
63	d#	Conga	Slap closed	7
64	e	Conga	Fingers	7
65	f	Conga	Tip	7
66	f#	Conga	Palm	7
67	g	Conga	Open tone copy bend up	7
68	g#	Conga	Slap short	7
69	a	Cowbell 4 Bongo Bell	Mouth open	8
70	a#	Cowbell 4 Bongo Bell	Mouth closed	8
71	b	Claves		

Percussion - Latin 1 Seletion

Drumkit 96

Note		Model	Articulation	Excl. Group
72	c	Quinto	Open tone	9
73	c#	Quinto	Open short	9
74	d	Quinto	Slap open	9
75	d#	Quinto	Slap closed	9
76	e	Quinto	Fingers	9
77	f	Quinto	Tip	9
78	f#	Quinto	Palm	9
79	g	Quinto	Open tone copy bend up	9
80	g#	Quinto	Slap short	9
81	a	Cowbell 4 Bongo Bell	Edge open	8
82	a#	Cowbell 4 Bongo Bell	Edge closed	8
83	b	Jamblock		
84	c	Vibraslap		
85	c#	Timbales Hembra	Center open tone	11
86	d	Timbales Hembra	Center open tone short	11
87	d#	Timbales Hembra	Rim open	11
88	e	Timbales Hembra	Finger closed	11
89	f	Timbales Hembra	Finger open tone	11
90	f#	Timbales Hembra	Cascara	11
91	g	Timbales Hembra	Open tone copy bend up	11
92	g#	Guiro	Long	12
93	a	Guiro	Short	12
94	a#	Guira	Long	13
95	b	Guira	Short	13
96	c	Crotales		
97	c#	Timbales Macho	Center open tone	14
98	d	Timbales Macho	Center open tone short	14
99	d#	Timbales Macho	Rim open	14
100	e	Timbales Macho	Finger closed	14
101	f	Timbales Macho	Finger open tone	14
102	f#	Timbales Macho	Cascara	14
103	g	Timbales Macho	Open tone copy bend up	14
104	g#	Triangle	Open	15
105	a	Triangle	Mute	15
106	a#	Triangle High	Open	16
107	b	Triangle High	Mute	16

Note		Model	Articulation	Excl. Group
108	c	Surdo Low	Bass	17
109	c#	Surdo Low	Bass muffled	17
110	d	Surdo Low	Rim	17
111	d#	Surdo Low	Hand stroke	17
112	e	Surdo Low	Bass short	
113	f	Caixa		
114	f#	Agogo Low	Open	18
115	g	Agogo Low	Mute	18
116	g#	Agogo High	Open	19
117	a	Agogo High	Mute	19
118	a#	Agogo	Mute	18
119	b	Agogo	Full mute	19
120	c	Surdo High	Bass	20
121	c#	Surdo High	Bass muffled	20
122	d	Surdo High	Rim	20
123	d#	Surdo High	Hand stroke	20
124	e	Surdo High	Bass short	
125	f	Caixa	Soft	
126	f#	Chimes	Up	
127	g	Chimes	Down	

Percussion instruments

WORLD 1

Sound Bank MSB 91
Prg. 0 - 82 / 97 - 102

Drum Kit 97- 102

Important keys

The most important articulations for many percussion sounds are on the keys:

c /60 Open tone
c#/61 Open tone short release
d /62 Slap/Mute

Legend

*	Exclusive Group in Drum Kit Mode - MIDI CHANNEL 10
Hold ENV	These copies can be used with MIDI FILES etc ... to determine the length of the release
Resonance	Just the Resonance of an open tone - use this for modelling OPEN to MUTE
RR	Round Robin - different sample each stroke.
Excl. Group	Key belonging to the same group mute each other. Just Drum Kit Mode Ch10 offer this feature.
Tone Dynamic	Higher velocity, a second layer change the tone.



MIRROR NOTES / COPIES

If you have two pads that output note numbers on two different MIDI notes, you can play faster.

The following was provided for this:

*You can find the sound of the MIDI note 60 as a copy on number 59.
As well as the MIDI note 61 as a copy on number 58.*

*These copies are not specified in the sound list of the individual sounds.
The description would no longer seem so clear.*

If an instrument has two different tones, such as bongos, you will also find a reflection for the higher version.

Prg.	Instrument		Drum Kit
00	Tupan Drum	Middel East	Mid. East
01	Bongos High Low	Latin	Latin
02	Chinese Tambourine	China	Inter 2
03	Chinese Tom	China	Inter 2
04	Clay Bongos High Low	World	Inter 1
05	Clay Drum	World	Inter 1
06	Kanjira	India	India
07	Maroccan Bongo H&L	Africa	Africa
08	Metal Riq	Middel East	Mid. East
09	Riq	Middel East	Mid. East
10	Small Maroccan Bongos	Africa	Africa
11	Bass Drum	World	Inter 1
12	Bendir	Africa	Africa
13	Frame Drum	World	Mid. East
14	Gaval	Middel East	Mid. East
15	Igba	African	Africa
16	Oil Drum	World	Inter 1
17	Soogoo	World	Mid. East
18	Surdo	Brazil	Latin
19	Table & Low Drum	India	India
20	Woodlog	World	Inter 1
21	Bata Large	African	Africa
22	Bata Medium	African	Africa
23	Bata Small	African	Africa
24	Cajon Large	World	Inter 1
25	Cajon Small	World	Inter 1
26	Clay Pot	World	Inter 2
27	Djembe	Africa	Africa
28	Dumbac	Africa	Africa
29	Dumbac High	Africa	Africa
30	Mrdangam	India	India
31	Pakhavaj	India	India
32	Quika	Brazil	Latin
33	Sakara	Africa	Africa
34	Tabla	India	India

Prg.	Instrument		Drum Kit
35	Talking Drum Large	Africa	Africa
36	Talking Drum Small	Africa	Africa
37	Tamborim	Brasil	Latin
38	Tar	Middel East	Mid. East
39	Tambourine	World	Lat. ME India Inter1
40	Beat Pot	World	Inter 1
41	Bell Tree	World	Inter 2
42	Bell Stick	World	Inter 2
43	Cabasa	World	Latin
44	Cowbell High Low	World	Latin
45	Donke Rattle / Vibraslap	Africa	Africa
46	Maracas	World	Latin
47	Maracas Metal	World	Inter 1
48	Metal Rattle	World	Inter 2
49	Metal Shaker	World	Inter 1
50	Metal Shaker R	World	Inter 1
51	Metal Shoes	World	Inter 2
52	Metalospheres	World	Inter 2
53	Metalospheres Small	World	Inter 2
54	Wind Chimes	World	Inter 2
55	Wood Tree	World	Inter 2
56	Rusty Rattle	World	Inter 1
57	Saw Sounding	World	inter 2
58	Shaker Tree	World	Inter 1
59	Sleigh Bells	World	Inter 2
60	Spons	World	Inter 2
61	Wood Whiste	World	Inter 2
62	Temple Bells	World	Inter 2
63	Triangle	World	Latin
64	Triple Shaker	World	Inter 1
65	Wood Bells	World	Inter 1
66	Anklung	Africa	Africa
67	Benzasard	World	Inter 2
68	Broom	World	Inter 1
69	Devil Chaser	Effect	Inter 2

Prg.	Instrument		Drum Kit
70	Fish / Guiro	Latin	Latin
71	Ratchet	World	Inter 2
72	Room Clapper	World	Inter 2
73	Spike Tree	Thai	Inter 2
74	Spinner Large	Perc. Effect	Inter 2
75	Spinner Medium	Perc. Effect	Inter 2
76	Spinner Small	Perc. Effect	Inter 2
77	Spinning Tube	Perc. Effect	Inter 2
78	Wood Stick	World	Inter 1
79	Tumba	Latin	Latin
80	Conga	Latin	Latin
81	Quinto	Latin	Latin
82	Tumba & Conga & Quinto	Latin	Latin
97	Kit - Latin	Mapping page 110	
98	Kit - Africa	Mapping page 114	
99	Kit - India	Mapping page 128	
100	Kit - Middle East	Mapping page 122	
101	Kit - International 1	Mapping page 126	
102	Kit - International 2	Mapping page 130	

Tupan Drum MSB 91 Prg 0

Note		Model	Articulation	
60	c	Tupan Drum	Open tone dynamic	
61	c#	Tupan Drum	Open tone dynamic	
62 - 76		Tupan Drum	Different articulation & length	

Bongos MSB 91 Prg 1

Note		Model	Articulation	
60	c	Bongo Low	Open tone	Round Robin
61	c#	Bongo Low	Mute	Round Robin
62	d	Bongo Low	Slap open	Round Robin
63	d#	Bongo Low	Slap closed	Round Robin
72	c	Bongo High	Open tone	Round Robin
73	c#	Bongo High	Mute	Round Robin
74	d	Bongo High	Slap open	Round Robin
75	d#	Bongo High	Slap closed	Round Robin

Chinese Tamborin MSB 91 Prg 2

Note		Model	Articulation	
60	c	Chinese Tamborin	Different articulation & length	Round Robin
61 - 66		Chinese Tamborin	-"-	Round Robin
67 - 68		Chinese Tamborin	Roll	

Chinese Tom MSB 91 Prg 3

Note		Model	Articulation	
60	c	Chinese Tom	Open tone dynamic	Round Robin
61	c#	Chinese Tom	Different articulation & length	Round Robin
61 - 68		Chinese Tom	-"-	Round Robin

Clay Bongos MSB 91 Prg 4

Note		Model	Articulation	
60	c	Clay Bongo Low	Open tone	Round Robin
61	c#	Clay Bongo Low	Mute	Round Robin
62	d	Clay Bongo Low	Slap open	Round Robin
72	c	Clay Bongo High	Open tone	Round Robin
73	c#	Clay Bongo High	Mute	
74	d	Clay Bongo High	Slap open	Round Robin

Clay Drums MSB 91 Prg 5

Note		Model	Articulation	
60	c	Clay Drums	Open tone dynamic	Round Robin
61	c#	Clay Drums	Different articulation & length	Round Robin
62 - 73		Clay Drums	-"-	Round Robin

Knajira MSB 91 Prg 6

Note		Model	Articulation	
60	c	Kanjira	Different articulation & length	Round Robin
61 - 67		Kanjira	-"-	Round Robin

Maroccan Bongos MSB 91 Prg 7

Note		Model	Articulation	
60	c	Maroccan Bongo Low	Open tone	Round Robin
61	c#	Maroccan Bongo Low	Mute	Round Robin
62	d	Maroccan Bongo Low	Slap open	Round Robin
63	d#	Maroccan Bongo Low	Slap closed	Round Robin
64	e	Maroccan Bongo Low	Stroke	Round Robin
72	c	Maroccan Bongo High	Open tone	Round Robin
73	c#	Maroccan Bongo High	Mute	Round Robin
74	d	Maroccan Bongo High	Slap open	Round Robin
75	d#	Maroccan Bongo High	Slap closed	Round Robin
76	e	Maroccan Bongo Low	Stroke	Round Robin

Metal Riq

MSB 91 Prg 8

Note		Model	Articulation	
60	c	Metal Riq	Open tone	Round Robin
61	c#	Metal Riq	Mute	Round Robin
62	d	Metal Riq	Slap open	Round Robin
63	d#	Metal Riq	Slap closed	Round Robin
64	e	Metal Riq	Stroke	Round Robin
65	f	Metal Riq	Stroke	Round Robin
66	f#	Metal Riq	Stroke	Round Robin
67	g	Metal Riq	Stroke	Round Robin
68	g#	Metal Riq	Mute	
69 - 70		Metal Riq	Zills	
71 - 74		Metal Riq	Flam	

Riq

MSB 91 Prg 9

Note		Model	Articulation	
60	c	Riq	Open tone dynamic	Round Robin
61	c#	Riq	Open tone	Round Robin
62	d	Riq	Mute	Round Robin
63	d#	Riq	Slap open	Round Robin
64	e	Riq	Slap closed	
65	f	Riq	Stroke	
66	f#	Riq	Open tone short	Round Robin
67	g	Riq	Slap open short	
68 - 74		Riq	Zills	
75 - 78		Riq	Flams	

Small Moroccan Bongos

MSB 91 Prg 10

Note		Model	Articulation	
60	c	Small Moroccan Bongos	Open tone	Round Robin
61	c#	Small Moroccan Bongos	Mute	Round Robin
62	d	Small Moroccan Bongos	Slap open	Round Robin

Bass Drum

MSB 91 Prg 11

Note		Model	Articulation	
60	c	Bass Drum	Open tone dynamic	
61	c#	Bass Drum	Different articulation & length	
62 - 71		Bass Drum	--	

Bendir

MSB 91 Prg 12

Note		Model	Articulation	
60	c	Bendir	Stroke dynamic	Round Robin
61	c#	Bendir	Stroke dynamic short	Round Robin
62 - 79		Bendir	Different articulation & length	some with Round Robin

Frame Drum

MSB 91 Prg 13

Note		Model	Articulation	
60	c	Frame Drum	Open tone dynamic	
61	c#	Frame Drum	Open tone dynamic	
62	d	Frame Drum	Open tone dynamic	
63 - 89		Frame Drum	Different articulation & length	some with Round Robin
90	f#	Frame Drum	Effect	

Gaval

MSB 91 Prg 14

Note		Model	Articulation	
60	c	Gaval	Open tone dynamic	Round Robin
61	c#	Gaval	Open tone short dynamic	Round Robin
62	d	Gaval	Mute tone dynamic	Round Robin
63 - 74		Gaval	Different articulation & length	some with Round Robin
75 - 76		Gaval	Zills	
77	c	Gaval	Flam	

Igba MSB 91 Prg 15

Note		Model	Articulation	
60	c	Igba	Open tone dynamic	Round Robin
61 - 66		Igba	Different articulation & length	Round Robin

Oil Drums MSB 91 Prg 16

Note		Model	Articulation	
60 - 64		Big Oil	Open tone dynamic	
65 - 78		Big Oil	Different articulation & length	

Soogoo MSB 91 Prg 17

Note		Model	Articulation	
60 - 63		Soogoo	Open tone dynamic	Round Robin
65 - 78		Soogoo	Different articulation & length	Round Robin
81	a	Soogoo	Zills	
82	a#	Soogoo	Flam	

Sordo MSB 91 Prg 18

Note		Model	Articulation	
60	c	Surdo	Open tone dynamic	Round Robin
61	c	Surdo	Open tone dynamic short	Round Robin
62	c	Surdo bend up	Open tone dynamic	Round Robin
63	c	Surdo bend up	Open tone dynamic short	Round Robin
64 - 69		Surdo	Different articulation & length	some with Round Robin
64 - 69		Surdo High tuned + 5	Different articulation & length	some with Round Robin

Tabla & Low Drum MSB 91 Prg 19

Note		Model	Articulation	
60 - 61		Tablas & Low Drum	Open tone dynamic	Round Robin
62 - 63		Tablas & Low Drum	Open tone pitch dynamic	Round Robin
64 - 75		Tablas & Low Drum	Different articulation & length	some with Round Robin

Woodlog MSB 91 Prg 20

Note		Model	Articulation	
60 - 61		Woodlog	Tone dynamic	
62 - 66		Woodlog	Different articulation & length	
66	f#	Woodlog High	Stroke	
67 - 69		Woodlog	Effects	
70	a#	Woodlog	Double stroke	

Bata Large MSB 91 Prg 21

Note		Model	Articulation	
60	c	Bata Large	Open tone dynamic	Round Robin
61	c#	Bata Large	Slap tone dynamic	Round Robin
62 - 69		Bata Large	Different articulation & length	Round Robin

Bata Medium MSB 91 Prg 22

Note		Model	Articulation	
60	c	Bata Medium	Open tone dynamic	Round Robin
61	c#	Bata Medium	Open tone dynamic short	Round Robin
62 - 69		Bata Medium	Different articulation & length	Round Robin

Bata Small MSB 91 Prg 23

Note		Model	Articulation	
60	c	Bata Small	Open tone dynamic	Round Robin
61	c#	Bata Small	Open tone dynamic	Round Robin
62 - 69		Bata Small	Different articulation & length	Round Robin

Cajon Large MSB 91 Prg 24

Note		Model	Articulation	
60	c	Cajon Large	Open tone dynamic	Round Robin
61	c#	Cajon Large	Slap tone dynamic	Round Robin
62 - 69		Cajon Large	Different articulation & length	Round Robin

Cajon Small

MSB 91 Prg 25

Note		Model	Articulation	
60	c	Cajon Small	Open tone dynamic	Round Robin
61	c#	Cajon Small	Slap tone dynamic	Round Robin
62 - 73		Cajon Small	Different articulation & length	Round Robin

Clay Pot

MSB 91 Prg 26

Note		Model	Articulation	
60	c	Clay Pot	Open tone dynamic	Round Robin
61	c#	Clay Pot	Slap tone dynamic	Round Robin
62 - 67		Clay Pot	Different articulation & length	Round Robin

Djembe

MSB 91 Prg 27

Note		Model	Articulation	
60	c	Djembe	Open tone dynamic	Round Robin
61	c#	Djembe	Slap tone dynamic	Round Robin
62 - 72		Djembe	Different articulation & length	Round Robin

Dumbac

MSB 91 Prg 28

Note		Model	Articulation	
60	c	Dumbac	Open tone dynamic	Round Robin
61	c#	Dumbac	Slap tone dynamic	Round Robin
62 - 71		Dumbac	Different articulation & length	Round Robin

Dumbac High

MSB 91 Prg 29

Note		Model	Articulation	
60	c	Dumbac High	Open tone dynamic	Round Robin
61	c#	Dumbac High	Slap tone dynamic	Round Robin
62 - 71		Dumbac High	Different articulation & length	Round Robin

Mrdangam

MSB 91 Prg 30

Note		Model	Articulation	
60	c	Mrdangaml	Open tone dynamic	Round Robin
61	c#	Mrdangaml	Slap tone dynamic	Round Robin
62 - 72		Mrdangaml	Different articulation & length	Round Robin

Pakhavaj

MSB 91 Prg 31

Note		Model	Articulation	
60	c	Pakhavaj	Open tone dynamic	Round Robin
61	c#	Pakhavaj	Slap tone dynamic	Round Robin
62 - 76		Pakhavaj	Different articulation & length	some with Round Robin

Quika

MSB 91 Prg 32

Note		Model	Articulation	
60	c	Quika	Open tone dynamic	Round Robin
61	c#	Quika	Open tone dynamic short	Round Robin
62 - 76		Quika	Different articulation & length	some with Round Robin

Sakara

MSB 91 Prg 33

Note		Model	Articulation	
60	c	Sakara	Open tone dynamic	Round Robin
61	c#	Sakara	Open tone dynamic short	Round Robin
62 - 78		Sakara	Different articulation & length	some with Round Robin

Tabla

MSB 91 Prg 34

Note		Model	Articulation	
60	c	Tabla Bb	Open tone dynamic	Round Robin
61	c#	Tabla Bb	Open tone dynamic short	Round Robin
62 - 78		Tabla Bb	Different articulation & length	some with Round Robin
72 - 82		Tabla C	Copy Mapping from Bb	-"-
84 - 94		Tabla A	Copy Mapping from Bb	-"-
96 - 106		Tabla C#	Copy Mapping from Bb	-"-

Talking Drum Large MSB 91 Prg 35

Note		Model	Articulation	
60	c	Talking Drum LG	Open tone dynamic	Round Robin
61	c#	Talking Drum LG	Open tone dynamic short	Round Robin
62 - 72		Talking Drum LG	Different articulation & length	some with Round Robin

Talking Drum Small MSB 91 Prg 36

Note		Model	Articulation	
60	c	Talking Drum Small	Open tone dynamic	Round Robin
61	c#	Talking Drum Small	Open tone dynamic short	Round Robin
62 - 72		Talking Drum Small	Different articulation & length	some with Round Robin

Tamborim MSB 91 Prg 37

Note		Model	Articulation	
60	c	Tamborim	Open tone dynamic	Round Robin
61	c#	Tamborim	Open tone dynamic short	Round Robin
62 - 69		Tamborim	Different articulation & length	some with Round Robin

Tar MSB 91 Prg 38

Note		Model	Articulation	
60	c	Tar	Open tone dynamic	Round Robin
61	c#	Tar	Open tone dynamic short	Round Robin
62 - 72		Tar	Different articulation & length	some with Round Robin

Tambourine MSB 91 Prg 39

Note		Model	Articulation	
60	c	Tambourine	Different articulation & length	Round Robin
61 - 70		Tambourine	Different articulation & length	
71 - 72		Tamborin	Flam	

Beat Pot MSB 91 Prg 40

Note		Model	Articulation	
60 - 73		Beat Pot	Different articulation & length	

Bell Tree MSB 91 Prg 41

Note		Model	Articulation	
60 - 65		Bell Tree	Different articulation & length	

Bell Stick MSB 91 Prg 42

Note		Model	Articulation	
60 - 67		Bell Stick	Different articulation & length	

Cabasa MSB 91 Prg 43

Note		Model	Articulation	
60 - 62		Cabasa	Stroke	Round Robin
63 - 74		Cabasa	Different articulation & length	
75 - 77		Cabasa	Effect move	

Cowbell High & Low MSB 91 Prg 44

Note		Model	Articulation	
60 - 61		Cowbell Low	Open tone dynamic	Round Robin
62 - 68		Cowbell Low	Different articulation & length	some with Round Robin
69 - 76		Cowbell High	Different articulation & length	some with Round Robin

Donkey Rattle MSB 91 Prg 45

Note		Model	Articulation	
60 - 63		Donkey Rattle	Different articulation & length	

Maracas MSB 91 Prg 46

Note	Model	Articulation	
60 - 73	Maracas	Different articulation & length	some with Round Robin

Maracas Metal MSB 91 Prg 47

Note	Model	Articulation	
60 - 73	Maracas Metal	Different articulation & length	some with Round Robin

Metal Rattle MSB 91 Prg 48

Note	Model	Articulation	
60 - 71	Metal Rattle	Different articulation & length	

Metal Shaker MSB 91 Prg 49

Note	Model	Articulation	
60	c Metal Shaker	Stroke	Round Robin
61 - 73	Metal Shaker	Different articulation & length	some with Round Robin

Metal Shaker R MSB 91 Prg 50

Note	Model	Articulation	
60	c Metal Shaker R	Stroke	Round Robin
61 - 70	Metal Shaker R	Different articulation & length	

Metal Shoes MSB 91 Prg 51

Note	Model	Articulation	
60	c Metal Shoes	Stroke	Round Robin
61 - 69	Metal Shoes	Different articulation & length	

Metalmospheres MSB 91 Prg 52

Note	Model	Articulation	
60 - 66	Metalmospheres		

Metalmospheres Small MSB 91 Prg 53

Note	Model	Articulation	
60 - 69	Metal Chimes	Different articulation & length	

Wind Chimes MSB 91 Prg 54

Note	Model	Articulation	
60 - 61	Windchimes	Different articulation & length	

Wood Tree MSB 91 Prg 55

Note	Model	Articulation	
60 - 64	Wood Tree	Different articulation & length	

Rusty Rattle MSB 91 Prg 56

Note	Model	Articulation	
60 - 63	Rusty Rattle	Different articulation & length	Round Robin
64 - 65	Rusty Rattle	Effects	

Saw Sounding MSB 91 Prg 57

Note	Model	Articulation	
60 - 66	Saw Sounding	Different articulation & length	

Shaker Tree MSB 91 Prg 58

Note	Model	Articulation	
60 - 65	Shaker Tree	Different articulation & length	

Sleigh Bells MSB 91 Prg 59

Note	Model	Articulation	
60 - 62	Shaker Tree	Different articulation & length	Round Robin
63 - 69	Sleigh Bells	Different articulation & length	

Spons MSB 91 Prg 60

Note		Model	Articulation	
60	c	Spons	Stroke	Round Robin
61 - 64		Spons	Different articulation & length	

Wood Whistle MSB 91 Prg 61

Note		Model	Articulation	
61 - 64		Wood Whistle		

Temple Bells MSB 91 Prg 62

Note		Model	Articulation	
60	c	Temple Bells	Stroke	Round Robin
61	c#	Temple Bells	Stroke short	Round Robin
62 - 65		Temple Bells	Different articulation & length	

Triangle MSB 91 Prg 63

Note		Model	Articulation	
60	c	Triangle	Open	Round Robin
61	c#	Triangle	Open short	Round Robin
62 - 68		Triangle	Different articulation & length	

Triple Shaker MSB 91 Prg 64

Note		Model	Articulation	
60	c	Triple Shaker	Stroke	Round Robin
61	c#	Triple Shaker	Stroke	Round Robin
62 - 69		Triple Shaker	Different articulation & length	

Wood Bells MSB 91 Prg 65

Note		Model	Articulation	
60	c	Wood Bells	Stroke	Round Robin
61 - 65		Wood Bells	Different articulation & length	

Anklung MSB 91 Prg 66

Note		Model	Articulation	
60	c	Anklung	Stroke	Round Robin
61	c#	Anklung	Stroke	Round Robin
61 - 68		Anklung	Different articulation & length	

Benzasard MSB 91 Prg 67

Note		Model	Articulation	
61 - 64		Benzasard	Different articulation & length	

Broom MSB 91 Prg 68

Note		Model	Articulation	
60	c	Broom	Stroke	Round Robin
61	c#	Broom	Stroke	Round Robin
61 - 68		Broom	Different articulation & length	

Devil Chaser MSB 91 Prg 69

Note		Model	Articulation	
61 - 63		Devil Chaser	Different articulation & length	

Fish MSB 91 Prg 70

Note		Model	Articulation	
61 - 65		Fish	Different articulation & length	

Ratchet MSB 91 Prg 71

Note	Model	Articulation	
60 - 65	Ratchet	Different articulation & length	

Room Clapper MSB 91 Prg 72

Note	Model	Articulation	
60 - 67	Room Clapper	Different articulation & length	

Spike Tree MSB 91 Prg 73

Note	Model	Articulation	
60	c Spike Tree	Stroke	Round Robin
61 - 69	Spike Tree	Different articulation & length	

Spinner Large MSB 91 Prg 74

Note	Model	Articulation	
60 - 62	Spinner Large	Different articulation & length	

Spinner Medium MSB 91 Prg 75

Note	Model	Articulation	
60 - 65	Spinner Medium	Different articulation & length	

Spinner Small MSB 91 Prg 76

Note	Model	Articulation	
60 - 64	Spinner Small	Different articulation & length	

Spinning Tube MSB 91 Prg 77

Note	Model	Articulation	
60 - 63	Spinning Tube	Different articulation & length	

Wood Stick MSB 91 Prg 78

Note	Model	Articulation	
60 - 68	Wood Stick	Different articulation & length	Note 60 Round Robin

Tumba MSB 91 Prg 79

Note	Model	Articulation	
60	c Tumba	Different articulation & length	Round Robin

Conga MSB 91 Prg 80

Note	Model	Articulation	
60	c Tumba	Different articulation & length	Round Robin

Quinto MSB 91 Prg 81

Note	Model	Articulation	
60	c Tumba	Different articulation & length	Round Robin

Three Congas MSB 91 Prg 82

Note	Model	Articulation	
60	c Tumba	Open tone	Round Robin
61	c# Tumba	Open tone short	Round Robin
62	d Tumba	Mute	Round Robin
63	d# Tumba	Slap open	Round Robin
64	e Tumba	Slap mute	Round Robin
65	f Tumba	Thump	Round Robin
72 - 77	Conga	Same mapping as Tumba	Round Robin
84 - 89	Quinto	Same mapping as Tumba	Round Robin
90 - 91	Conga effects		

Percussion - Latin 1

Prg. 97 & Drum Kit 97

Note		Model	Articulation	Excl. group - Drum Kit only
	-			
1	c#	Quika	Stroke	1
2	d	Quika	Stroke	1
3	d#	Quika	Stroke	1
4	e	Quika	Stroke	1
5	f	Quika	Different articulation & length	1
6	f#	Quika	-"-	1
7	g	Quika	-"-	1
8	g#	Quika	-"-	1
9	a	Quika	-"-	1
10	a#	Quika	-"-	1
11	b	Quika	-"-	1
12	c	Surdo	Open tone dynamic	2
13	c#	Surdo	Open tone dynamic short	2
14	d	Surdo bend up	Open tone dynamic	2
15	d#	Surdo bend up	Open tone dynamic short	2
16	e	Surdo	Different articulation & length	2
17	f	Surdo	-"-	2
18	f#	Surdo	-"-	2
19	g	Surdo	-"-	2
20	g#	Surdo	-"-	2
21	a	Surdo	-"-	2
22	a#	-		
23	b	-		
24	c	Surdo High	Open tone dynamic	3
25	c#	Surdo High	Open tone dynamic short	3
26	d	Surdo High bend up	Open tone dynamic	3
27	d#	Surdo High bend up	Open tone dynamic short	3
28	e	Surdo High	Different articulation & length	3
29	f	Surdo High	-"-	3
30	f#	Surdo High	-"-	3
31	g	Surdo High	-"-	3
32	g#	Surdo High	-"-	3
33	a	Surdo High	-"-	3
34	a#	-		
35	b	-		

Note		Model	Articulation	Excl. group - Drum Kit only
36	c	Cowbell Low	Open tone dynamic	4
37	c#	Cowbell Low	Open tone dynamic	4
38	d	Cowbell Low	-"-	4
39	d#	Cowbell Low	-"-	4
40	e	Cowbell Low	-"-	4
41	f	Cowbell Low	-"-	4
42	f#	Cowbell Low	-"-	4
43	g	Cowbell Low	-"-	4
44	g#	Cowbell Low	-"-	4
45	a	Cowbell High	Open tone dynamic	5
46	a#	Cowbell High	Open tone dynamic	5
47	b	Cowbell High	-"-	5
48	c	Cowbell High	-"-	5
49	c#	Cowbell High	-"-	5
50	d	Cowbell High	-"-	5
51	d#	Cowbell High	-"-	5
52	e	Cowbell High	-"-	5
53	f	Tamborim	Different articulation & length	6
54	f#	Tamborim	-"-	6
55	g	Tamborim	-"-	6
56	g#	Tamborim	-"-	6
57	a	Tamborim	-"-	6
58	a#	Tamborim	-"-	6
59	b	Tamborim	-"-	6
60	c	Tumba	Open tone	7
61	c#	Tumba	Open tone short	7
62	d	Tumba	Mute	7
63	d#	Tumba	Slap open	7
64	e	Tumba	Slap mute	7
65	f	Tumba	Thump	7
66	f#	Bongo Low	Open tone	8
67	g	Bongo Low	Mute	8
68	g#	Bongo Low	Slap open	8
69	a	Bongo Low	Slap closed	8
70	a#	Cabasa	Different articulation & length	
71	b	Cabasa	-"-	

Percussion - Latin 1

Prg. 97 & Drum Kit 97

Note		Model	Articulation	Excl. group - Drum Kit only
72	c	Conga	Open tone	9
73	c#	Conga	Open tone short	9
74	d	Conga	Mute	9
75	d#	Conga	Slap open	9
76	e	Conga	Slap mute	9
77	f	Conga	Thump	9
78	f#	Bongo High	Open tone	10
79	g	Bongo High	Mute	10
80	g#	Bongo High	Slap open	10
81	a	Bongo High	Slap closed	10
82	a#	-		
83	b	-		
84	c	Quinto	Open tone	11
85	c#	Quinto	Open tone short	11
86	d	Quinto	Mute	11
87	d#	Quinto	Slap open	11
88	e	Quinto	Slap mute	11
89	f	Quinto	Thump	11
90	f#	Quinto	Effects	11
91	g	Quinto	Effects	11
92	g#	Guiro	Different articulation & length	12
93	a	Guiro	-"-	12
94	a#	Guiro	-"-	12
95	b	Guiro	Stop	12
96	c	Tambourine	Different articulation & length	13
97	c#	Tambourine	-"-	13
98	d	Tambourine	-"-	13
99	d#	Tambourine	-"-	13
100	e	Tambourine	-"-	13
101	f	Tambourine	-"-	13
102	f#	Tambourine	-"-	13
103	g	Tambourine	-"-	13
104	g#	Tambourine	-"-	13
105	a	Tambourine	-"-	13
106	a#	Tambourine	-"-	13
107	b	Tambourine	-"-	13

Note		Model	Articulation	Excl. group - Drum Kit only
108	c	Maracas	Different articulation & length	14
109	c#	Maracas	-"-	14
110	d	Maracas	-"-	14
111	d#	Maracas	-"-	14
112	e	Maracas	-"-	14
113	f	Maracas		14
114	f#	Maracas	-"-	14
115	g	Maracas	-"-	14
116	g#	Maracas	-"-	14
117	a	Maracas	-"-	14
118	a#	Maracas	-"-	14
119	b	Maracas	-"-	14
120	c	Triangle	Open	15
121	c#	Triangle	Open short	15
122	d	Triangle	Open	15
123	d#	Triangle	Open	15
124	e	Triangle	Mute	15
125	f	Triangle	Mute	15
126	f#	-		
127	g	-		

Percussion - Africa 1

Prg. 98 & Drum Kit 98

Note		Model	Articulation	Excl. group - Drum Kit only
	-			
1	c#	-		
2	d	Anklung	Different articulation & length	1
3	d#	Anklung	-"-	1
4	e	Anklung	-"-	1
5	f	Anklung	-"-	1
6	f#	Anklung	-"-	1
7	g	Anklung	-"-	1
8	g#	Anklung	-"-	1
9	a	Anklung	-"-	1
10	a#	Anklung	-"-	1
11	b	-		
12	c	Talking Drum Small	Open tone dynamic	2
13	c#	Talking Drum Small	Open tone dynamic short	2
14	d	Talking Drum Small	Different articulation & length	2
15	d#	Talking Drum Small	-"-	2
16	e	Talking Drum Small	-"-	2
17	f	Talking Drum Small	-"-	2
18	f#	Talking Drum Small	-"-	2
19	g	Talking Drum Small	-"-	2
20	g#	Talking Drum Small	-"-	2
21	a	Talking Drum Small	-"-	2
22	a#	Talking Drum Small	-"-	2
23	b	Talking Drum Small	-"-	2
24	c	Talking Drum Large	Open tone dynamic	3
25	c#	Talking Drum Large	Open tone dynamic short	3
26	d	Talking Drum Large	Different articulation & length	3
27	d#	Talking Drum Large	-"-	3
28	e	Talking Drum Large	-"-	3
29	f	Talking Drum Large	-"-	3
30	f#	Talking Drum Large	-"-	3
31	g	Talking Drum Large	-"-	3
32	g#	Talking Drum Large	-"-	3
33	a	Talking Drum Large	-"-	3
34	a#	Talking Drum Large	-"-	3
35	b	Talking Drum Large	-"-	3

Note		Model	Articulation	Excl. group - Drum Kit only
36	c	Bata Large	Open tone dynamic	4
37	c#	Bata Large	Open tone dynamic short	4
38	d	Bata Large	Different articulation & length	4
39	d#	Bata Large	-"-	4
40	e	Bata Large	-"-	4
41	f	Bata Large	-"-	4
42	f#	Bata Medium	Open tone dynamic	5
43	g	Bata Medium	Open tone dynamic short	5
44	g#	Bata Medium	Different articulation & length	5
45	a	Bata Medium	-"-	5
46	a#	Bata Medium	-"-	5
47	b	Bata Medium	-"-	5
48	c	Bata Small	Open tone dynamic	6
49	c#	Bata Small	Open tone dynamic short	6
50	d	Bata Small	Different articulation & length	6
51	d#	Bata Small	-"-	6
52	e	Bata Small	-"-	6
53	f	Bata Small	-"-	6
54	f#	Igba	Open tone dynamic	7
55	g	Igba	Open tone dynamic short	7
56	g#	Igba	Different articulation & length	7
57	a	Igba	-"-	7
58	a#	Igba	-"-	7
59	b	Igba	-"-	7
60	c	Djembe	Open tone dynamic	8
61	c#	Djembe	Slap tone dynamic	8
62	d	Djembe	Different articulation & length	8
63	d#	Djembe	-"-	8
64	e	Djembe	-"-	8
65	f	Djembe	-"-	8
66	f#	Djembe	-"-	8
67	g	Djembe	-"-	8
68	g#	Djembe	-"-	8
69	a	Djembe	-"-	8
70	a#	Djembe	-"-	8
71	b	Djembe	-"-	8

Percussion - Africa 1

Prg. 98 & Drum Kit 98

Note		Model	Articulation	Excl. group - Drum Kit only
72	c	Dumbac	Open tone dynamic	9
73	c#	Dumbac	Slap tone dynamic	9
74	d	Dumbac	Different articulation & length	9
75	d#	Dumbac	-"-	9
76	e	Dumbac	-"-	9
77	f	Dumbac	-"-	9
78	f#	Dumbac	-"-	9
79	g	Dumbac	-"-	9
80	g#	Dumbac	-"-	9
81	a	Dumbac	-"-	9
82	a#	Dumbac	-"-	9
83	b	Donke Rattle / Vibraslap		
84	c	Dumbac High	Open tone dynamic	10
85	c#	Dumbac High	Slap tone dynamic	10
86	d	Dumbac High	Different articulation & length	10
87	d#	Dumbac High	-"-	10
88	e	Dumbac High	-"-	10
89	f	Dumbac High	-"-	10
90	f#	Dumbac High	-"-	10
91	g	Dumbac High	-"-	10
92	g#	Dumbac High	-"-	10
93	a	Dumbac High	-"-	10
94	a#	Dumbac High	-"-	10
95	b	Dumbac High	-"-	10
96	c	Bendir	Stroke dynamic	11
97	c#	Bendir	Stroke dynamic short	11
98	d	Bendir	Different articulation & length	11
99	d#	Bendir	-"-	11
100	e	Bendir	-"-	11
101	f	Bendir	-"-	11
102	f#	Bendir	-"-	11
103	g	Bendir	-"-	11
104	g#	Bendir	-"-	11
105	a	Bendir	-"-	11
106	a#	Bendir	-"-	11
107	b	Bendir	-"-	11

Note		Model	Articulation	Excl. group - Drum Kit only
108	c	Maroccan Bongo Low	Different articulation & length	
109	c#	Maroccan Bongo Low	-"-	
110	d	Maroccan Bongo Low	-"-	
111	d#	Maroccan Bongo Low	-"-	
112	e	Maroccan Bongo Low	-"-	
113	f	Maroccan Bongo High	-"-	
114	f#	Maroccan Bongo High	Different articulation & length	
115	g	Maroccan Bongo High	-"-	
116	g#	Maroccan Bongo High	-"-	
117	a	Maroccan Bongo High	-"-	
118	a#	Small Maroccan Bongo	Different articulation & length	
119	b	Small Maroccan Bongo	-"-	
120	c	Small Maroccan Bongo	-"-	
121	c#	Sakara	Open tone dynamic	12
122	d	Sakara	Open tone dynamic short	12
123	d#	Sakara	Different articulation & length	12
124	e	Sakara	-"-	12
125	f	Sakara	-"-	12
126	f#	Sakara	-"-	12
127	g	Sakara	-"-	12

Percussion - India 1

Prg. 99 & Drum Kit 99

Note		Model	Articulation	Excl. group - Drum Kit only
		-		
1	c#	-		
2	d	-		
3	d#	-		
4	e	-		
5	f	-		
6	f#	-		
7	g	-		
8	g#	-		
9	a	-		
10	a#	-		
11	b	-		
12	c	Kanjira	Different articulation & length	
13	c#	Kanjira	-"-	
14	d	Kanjira	-"-	
15	d#	Kanjira	-"-	
16	e	Kanjira	-"-	
17	f	Kanjira	-"-	
18	f#	Kanjira	-"-	
19	g	Kanjira	-"-	
20	g#	-		
21	a	-		
22	a#	-		
23	b	-		
24	c	Pakhavaj	Different articulation & length	1
25	c#	Pakhavaj	-"-	1
26	d	Pakhavaj	-"-	1
27	d#	Pakhavaj	-"-	1
28	e	Pakhavaj	-"-	1
29	f	Pakhavaj	-"-	1
30	f#	Pakhavaj	-"-	1
31	g	Pakhavaj	-"-	1
32	g#	Pakhavaj	-"-	1
33	a	Pakhavaj	-"-	1
34	a#	Pakhavaj	-"-	1
35	b	Pakhavaj	-"-	1

Note		Model	Articulation	Excl. group - Drum Kit only
36	c	Mrdangam	Stroke dynamic	2
37	c#	Mrdangam	Stroke dynamic short	2
38	d	Mrdangam	Different articulation & length	2
39	d#	Mrdangam	-"-	2
40	e	Mrdangam	-"-	2
41	f	Mrdangam	-"-	2
42	f#	Mrdangam	-"-	2
43	g	Mrdangam	-"-	2
44	g#	Mrdangam	-"-	2
45	a	Mrdangam	-"-	2
46	a#	Mrdangam	-"-	2
47	b	Mrdangam	-"-	2
48	c	Low Drum	Stroke dynamic	3
49	c#	Low Drum	Stroke dynamic short	3
50	d	Low Drum	Different articulation & length	3
51	d#	Low Drum	-"-	3
52	e	Low Drum	-"-	3
53	f	Low Drum	-"-	3
54	f#	Low Drum	-"-	3
55	g	Low Drum	-"-	3
56	g#	Low Drum	-"-	3
57	a	Low Drum	-"-	3
58	a#	Low Drum	-"-	3
59	b	Low Drum	-"-	3
60	c	Tabla Bb	Open tone dynamic	4
61	c#	Tabla Bb	Open tone dynamic short	4
62	d	Tabla Bb	Different articulation & length	4
63	d#	Tabla Bb	-"-	4
64	e	Tabla Bb	-"-	4
65	f	Tabla Bb	-"-	4
66	f#	Tabla Bb	-"-	4
67	g	Tabla Bb	-"-	4
68	g#	Tabla Bb	-"-	4
69	a	Tabla Bb	-"-	4
70	a#	-		
71	b	-		

Percussion - India 1

Prg. 99 & Drum Kit 99

Note		Model	Articulation	Excl. group - Drum Kit only
72	c	Tabla C	Open tone dynamic	5
73	c#	Tabla C	Open tone dynamic short	5
74	d	Tabla C	Different articulation & length	5
75	d#	Tabla C	-"-	5
76	e	Tabla C	-"-	5
77	f	Tabla C	-"-	5
78	f#	Tabla C		5
79	g	Tabla C		5
80	g#	Tabla C		5
81	a	Tabla C		5
82	a#	-		
83	b	-		
84	c	Tabla A	Open tone dynamic	6
85	c#	Tabla A	Open tone dynamic short	6
86	d	Tabla A	Different articulation & length	6
87	d#	Tabla A	-"-	6
88	e	Tabla A	-"-	6
89	f	Tabla A	-"-	6
90	f#	Tabla A		6
91	g	Tabla A		6
92	g#	Tabla A		6
93	a	Tabla A		6
94	a#	-		
95	b	-		
96	c	Tambourine	Different articulation & length	7
97	c#	Tambourine	-"-	7
98	d	Tambourine	-"-	7
99	d#	Tambourine	-"-	7
100	e	Tambourine	-"-	7
101	f	Tambourine	-"-	7
102	f#	Tambourine	-"-	7
103	g	Tambourine	-"-	7
104	g#	Tambourine	-"-	7
105	a	Tambourine	-"-	7
106	a#	Tambourine	-"-	7
107	b	Tambourine	-"-	7

Note		Model	Articulation	Excl. group - Drum Kit only
108	c	Tabla C#	Open tone dynamic	8
109	c#	Tabla C#	Open tone dynamic short	8
110	d	Tabla C#	Different articulation & length	8
111	d#	Tabla C#	-"-	8
112	e	Tabla C#	-"-	8
113	f	Tabla C#	-"-	8
114	f#	Tabla C#		8
115	g	Tabla C#		8
116	g#	Tabla C#		8
117	a	Tabla C#		8
118	a#	-		
119	b	-		
120	c	-		
121	c#	-		
122	d	-		
123	d#	-		
124	e	-		
125	f	-		
126	f#	-		
127	g	-		

Percussion - Middle East 1

Prg. 100 & Drum Kit 100

Note		Model	Articulation	Excl. group - Drum Kit only
		-		
1	c#	-		
2	d	-		
3	d#	-		
4	e	-		
5	f	-		
6	f#	-		
7	g	-		
8	g#	-		
9	a	-		
10	a#	-		
11	b	-		
12	c	Soogoo	Open tone dynamic	1
13	c#	Soogoo	Open tone dynamic short	1
14	d	Soogoo	Open tone dynamic	1
15	d#	Soogoo	Open tone dynamic hard	1
16	e	Soogoo	Different articulation & length	1
17	f	Soogoo	-"-	1
18	f#	Soogoo	-"-	1
19	g	Soogoo	-"-	1
20	g#	Soogoo	-"-	1
21	a	Soogoo	-"-	1
22	a#	Soogoo	-"-	1
23	b	Soogoo	-"-	1
24	c	Gaval	Open tone dynamic	2
25	c#	Gaval	Open tone dynamic short	2
26	d	Gaval	Different articulation & length	2
27	d#	Gaval	-"-	2
28	e	Gaval	-"-	2
29	f	Gaval	-"-	2
30	f#	Gaval	-"-	2
31	g	Gaval	-"-	2
32	g#	Gaval	-"-	2
33	a	Gaval	-"-	2
34	a#	Gaval	-"-	2
35	b	Gaval	-"-	2

Note		Model	Articulation	Excl. group - Drum Kit only
36	c	Gaval	-"-	2
37	c#	Gaval	-"-	2
38	d	Gaval	-"-	2
39	d#	Gaval	-"-	2
40	e	Gaval	-"-	2
41	f	Gaval	-"-	2
42	f#	-		
43	g	-		
44	g#	-		
45	a	-		
46	a#	-		
47	b	-		
48	c	Tupan Drum	Open tone dynamic	3
49	c#	Tupan Drum	Open tone dynamic	3
50	d	Tupan Drum	Different articulation & length	3
51	d#	Tupan Drum	-"-	3
52	e	Tupan Drum	-"-	3
53	f	Tupan Drum	-"-	3
54	f#	Tupan Drum	-"-	3
55	g	Tupan Drum	-"-	4
56	g#	Tupan Drum	-"-	4
57	a	Tupan Drum	-"-	4
58	a#	Tupan Drum	-"-	4
59	b	Tupan Drum	-"-	4
60	c	Tar	Open tone dynamic	5
61	c#	Tar	Open tone dynamic short	5
62	d	Tar	Different articulation & length	5
63	d#	Tar	-"-	5
64	e	Tar	-"-	5
65	f	Tar	-"-	5
66	f#	Tar	-"-	5
67	g	Tar	-"-	5
68	g#	Tar	-"-	5
69	a	Tar	-"-	5
70	a#	Tar	-"-	5
71	b	Tar	-"-	5

Percussion - Middle East 1

Prg. 100 & Drum Kit 100

Note		Model	Articulation	Excl. group - Drum Kit only
72	c	Riq	Different articulation & length	6
73	c#	Riq	-"-	6
74	d	Riq	-"-	6
75	d#	Riq	-"-	6
76	e	Riq	-"-	6
77	f	Riq	-"-	6
78	f#	Riq	-"-	6
79	g	Riq	-"-	6
80	g#	Riq	-"-	6
81	a	Riq	-"-	6
82	a#	Riq	-"-	6
83	b	Riq	-"-	6
84	c	Metal Riq	Open tone dynamic	7
85	c#	Metal Riq	Slap tone dynamic	7
86	d	Metal Riq	Different articulation & length	7
87	d#	Metal Riq	-"-	7
88	e	Metal Riq	-"-	7
89	f	Metal Riq	-"-	7
90	f#	Metal Riq	-"-	7
91	g	Metal Riq	-"-	7
92	g#	Metal Riq	-"-	7
93	a	Metal Riq	-"-	7
94	a#	Metal Riq	-"-	7
95	b	Metal Riq	-"-	7
96	c	Tambourine	Different articulation & length	8
97	c#	Tambourine	-"-	8
98	d	Tambourine	-"-	8
99	d#	Tambourine	-"-	8
100	e	Tambourine	-"-	8
101	f	Tambourine	-"-	8
102	f#	Tambourine	-"-	8
103	g	Tambourine	-"-	8
104	g#	Tambourine	-"-	8
105	a	Tambourine	-"-	8
106	a#	Tambourine	-"-	8
107	b	Tambourine	-"-	8

Note		Model	Articulation	Excl. group - Drum Kit only
108	c	Frame Drum	Open tone dynamic	9
109	c#	Frame Drum	Open tone dynamic	9
110	d	Frame Drum	Open tone dynamic	9
111	d#	Frame Drum	Different articulation & length	9
112	e	Frame Drum	-"-	9
113	f	Frame Drum	-"-	9
114	f#	Frame Drum	-"-	9
115	g	Frame Drum	-"-	9
116	g#	Frame Drum	-"-	9
117	a	Frame Drum	-"-	9
118	a#	Frame Drum	-"-	9
119	b	Frame Drum	-"-	9
120	c	Frame Drum	-"-	9
121	c#	Frame Drum	-"-	9
122	d	Frame Drum	-"-	9
123	d#	Frame Drum	-"-	9
124	e	Frame Drum	-"-	9
125	f	Frame Drum	-"-	9
126	f#	Frame Drum	-"-	9
127	g	Frame Drum	-"-	9

Percussion - International 1

Prg. 101 & Drum Kit 101

Note		Model	Articulation	Excl. group - Drum Kit only
	-			
1	c#	Broom	Different articulation & length	
2	d	Broom	-"-	
3	d#	Broom	-"-	
4	e	Broom	-"-	
5	f	Beat Pot	Different articulation & length	
6	f#	Beat Pot	-"-	
7	g	Beat Pot	-"-	
8	g#	Beat Pot	-"-	
9	a	Woodstick		
10	a#	Woodlog		
11	b	Woodlog		
12	c	Oil Drum	Different articulation & length	1
13	c#	Oil Drum	-"-	1
14	d	Oil Drum	-"-	1
15	d#	Oil Drum	-"-	1
16	e	Oil Drum	-"-	1
17	f	Oil Drum	-"-	2
18	f#	Oil Drum	-"-	2
19	g	Oil Drum	-"-	2
20	g#	Oil Drum	-"-	3
21	a	Oil Drum	-"-	3
22	a#	Oil Drum	-"-	3
23	b	Oil Drum	-"-	3
24	c	Bass Drum	Open tone dynamic	4
25	c#	Bass Drum	Different articulation & length	4
26	d	Bass Drum	-"-	4
27	d#	Bass Drum	-"-	4
28	e	Bass Drum	-"-	4
29	f	Bass Drum	-"-	4
30	f#	Bass Drum	-"-	4
31	g	Bass Drum	-"-	4
32	g#	Bass Drum	-"-	4
33	a	Bass Drum	-"-	4
34	a#	Bass Drum	-"-	4
35	b	Bass Drum	-"-	4

Note		Model	Articulation	Excl. group - Drum Kit only
36	c	Cajon Large	Open tone dynamic	5
37	c#	Cajon Large	Slape tone dynamic	5
38	d	Cajon Large	Different articulation & length	5
39	d#	Cajon Large	-"-	5
40	e	Cajon Large	-"-	5
41	f	Cajon Large	-"-	5
42	f#	Cajon Large	-"-	5
43	g	Cajon Large	-"-	5
44	g#	Rusty Rattle	Different articulation & length	6
45	a	Rusty Rattle	-"-	6
46	a#	Rusty Rattle	-"-	6
47	b	Rusty Rattle	-"-	6
48	c	Cajon Small	Open tone dynamic	
49	c#	Cajon Small	Different articulation & length	
50	d	Cajon Small	-"-	
51	d#	Cajon Small	-"-	
52	e	Cajon Small	-"-	
53	f	Cajon Small	-"-	
54	f#	Cajon Small	-"-	
55	g	Cajon Small	-"-	
56	g#	Cajon Small	-"-	
57	a	Cajon Small	-"-	
58	a#	Cajon Small	-"-	
59	b	Cajon Small	-"-	
60	c	Clay Drums	Open tone dynamic	7
61	c#	Clay Drums	Different articulation & length	7
62	d	Clay Drums	-"-	7
63	d#	Clay Drum	-"-	7
64	e	Clay Drum	-"-	7
65	f	Clay Drum	-"-	7
66	f#	Clay Drum	-"-	7
67	g	Clay Drum	-"-	7
68	g#	Clay Drum	-"-	7
69	a	Clay Drum	-"-	7
70	a#	Clay Drum	-"-	
71	b	Clay Drum	-"-	

Percussion - International 1

Prg. 101 & Drum Kit 101

Note		Model	Articulation	Excl. group - Drum Kit only
72	c	Maracas Metal	Different articulation & length	8
73	c#	Maracas Metal	-"-	8
74	d	Maracas Metal	-"-	8
75	d#	Maracas Metal	-"-	8
76	e	Maracas Metal	-"-	8
77	f	Maracas Metal	-"-	8
78	f#	Maracas Metal	-"-	8
79	g	Maracas Metal	-"-	8
80	g#	Maracas Metal	-"-	8
81	a	Maracas Metal	-"-	8
82	a#	Shaker Tree	Different articulation & length	
83	b	Shaker Tree	-"-	
84	c	Metal Shaker	Different articulation & length	9
85	c#	Metal Shaker	-"-	9
86	d	Metal Shaker	-"-	9
87	d#	Metal Shaker	-"-	9
88	e	Metal Shaker	-"-	9
89	f	Metal Shaker	-"-	9
90	f#	Metal Shaker	-"-	9
91	g	Metal Shaker	-"-	9
92	g#	Metal Shaker	-"-	9
93	a	Metal Shaker	-"-	9
94	a#	Metal Shaker	-"-	9
95	b	Metal Shaker	-"-	9
96	c	Tambourine	Different articulation & length	10
97	c#	Tambourine	-"-	10
98	d	Tambourine	-"-	10
99	d#	Tambourine	-"-	10
100	e	Tambourine	-"-	10
101	f	Tambourine	-"-	10
102	f#	Tambourine	-"-	10
103	g	Tambourine	-"-	10
104	g#	Tambourine	-"-	10
105	a	Tambourine	-"-	10
106	a#	Tambourine	-"-	10
107	b	Tambourine	-"-	10

Note		Model	Articulation	Excl. group - Drum Kit only
108	c	Metal Shaker R	Different articulation & length	11
109	c#	Metal Shaker R	-"-	11
110	d	Metal Shaker R	-"-	11
111	d#	Metal Shaker R	-"-	11
112	e	Metal Shaker R	-"-	11
113	f	Metal Shaker R	-"-	11
114	f#	Metal Shaker R	-"-	11
115	g	Metal Shaker R	-"-	11
116	g#	Metal Shaker R	-"-	11
117	a	Metal Shaker R	-"-	11
118	a#	Metal Shaker R	-"-	11
119	b	Wood Bells	Stroke	
120	c	Clay Bongos Low	Open	12
121	c#	Clay Bongos Low	Semi	12
122	d	Clay Bongos Low	Mute	12
123	d#	Clay Bongos High	Open	13
124	e	Clay Bongos High	Semi	13
125	f	Clay Bongos High	Mute	13
126	f#	Triple Shaker	Different articulation & length	
127	g	Triple Shaker	-"-	

Percussion - International 2

Prg. 102 & Drum Kit 102

Note		Model	Articulation	Excl. group - Drum Kit only
	-			
1	c#	Spinner Small	Different articulation & length	
2	d	Spinner Small	-"-	
3	d#	Spinner Medium	Different articulation & length	
4	e	Spinner Medium	-"-	
5	f	Spinner Large	-"-	
6	f#	Spinner Large	-"-	
7	g	Spinner Large	-"-	
8	g#	Spinning Tube	Different articulation & length	
9	a	Spinning Tube	-"-	
10	a#	Spinning Tube	-"-	
11	b	Spinning Tube	-"-	
12	c	Metal Rattle	Different articulation & length	1
13	c#	Metal Rattle	-"-	1
14	d	Metal Rattle	-"-	1
15	d#	Metal Rattle	-"-	1
16	e	Metal Rattle	-"-	1
17	f	Metal Rattle	-"-	1
18	f#	Metal Rattle	-"-	1
19	g	Metal Rattle	-"-	1
20	g#	Metal Rattle	-"-	1
21	a	Metal Rattle	-"-	1
22	a#	Metal Rattle	-"-	1
23	b	Metal Rattle	-"-	1
24	c	Chinese Tambourine	Open tone dynamic	
25	c#	Chinese Tambourine	Different articulation & length	
26	d	Chinese Tambourine	-"-	
27	d#	Chinese Tambourine	-"-	
28	e	Chinese Tambourine	-"-	
29	f	Chinese Tambourine	-"-	
30	f#	Chinese Tambourine	-"-	
31	g	Chinese Tambourine	-"-	
32	g#	Chinese Tambourine	-"-	
33	a	Wood Whistle	Open	2
34	a#	Wood Whistle	Stop	2
35	b	Spons		

Note		Model	Articulation	Excl. group - Drum Kit only
36	c	Benzasard	Different articulation & length	3
37	c#	Benzasard	-"-	3
38	d	Benzasard	-"-	3
39	d#	Benzasard	-"-	3
40	e	Benzasard	-"-	3
41	f	Benzasard	-"-	3
42	f#	Saw Sounding	Different articulation & length	4
43	g	Saw Sounding	-"-	4
44	g#	Saw Sounding	-"-	4
45	a	Saw Sounding	-"-	4
46	a#	Saw Sounding	-"-	4
47	b	Saw Sounding	-"-	4
48	c	Chinese Tom	Open tone dynamic	5
49	c#	Chinese Tom	Different articulation & length	5
50	d	Chinese Tom	-"-	5
51	d#	Chinese Tom	-"-	5
52	e	Chinese Tom	-"-	5
53	f	Chinese Tom	-"-	5
54	f#	Chinese Tom	-"-	5
55	g	Chinese Tom	-"-	5
56	g#	Chinese Tom	-"-	5
57	a	Temple Bells	Open	6
58	a#	Temple Bells	Mute	6
59	b	Temple Bells	Open	6
60	c	Clay Pot	Open tone dynamic	7
61	c#	Clay Pot	Slap tone dynamic	7
62	d	Clay Pot	Different articulation & length	7
63	d#	Clay Pot	-"-	7
64	e	Clay Pot	-"-	7
65	f	Clay Pot	-"-	7
66	f#	Clay Pot	-"-	7
67	g	Clay Pot	-"-	7
68	g#	Wood Tree	Different articulation & length	
69	a	Wood Tree	-"-	
70	a#	Bell Tree	Different articulation & length	
71	b	Bell Tree	-"-	

Percussion - International 2

Prg. 102 & Drum Kit 102

Note		Model	Articulation	Excl. group - Drum Kit only
72	c	Sleigh Bells	Different articulation & length	
73	c#	Sleigh Bells	-"-	
74	d	Sleigh Bells	-"-	
75	d#	Sleigh Bells	-"-	
76	e	Sleigh Bells	-"-	
77	f	Sleigh Bells	-"-	
78	f#	Sleigh Bells	-"-	
79	g	Sleigh Bells	-"-	
80	g#	Sleigh Bells	-"-	
81	a	Sleigh Bells	-"-	
82	a#	Wind Chimes	Different articulation & length	
83	b	Wind Chimes	-"-	
84	c	Bell Stick	Different articulation & length	8
85	c#	Bell Stick	-"-	8
86	d	Bell Stick	-"-	8
87	d#	Bell Stick	-"-	8
88	e	Bell Stick	-"-	8
89	f	Bell Stick	-"-	8
90	f#	Bell Stick	-"-	8
91	g	Bell Stick	-"-	8
92	g#	Metalospheres Small	Different articulation & length	
93	a	Metalospheres Small	-"-	
94	a#	Metalospheres Small	-"-	
95	b	Metalospheres Small	-"-	
96	c	Metal Shoes	Different articulation & length	9
97	c#	Metal Shoes	-"-	9
98	d	Metal Shoes	-"-	9
99	d#	Metal Shoes	-"-	9
100	e	Metal Shoes	-"-	9
101	f	Metal Shoes	-"-	9
102	f#	Metal Shoes	-"-	9
103	g	Metal Shoes	-"-	9
104	g#	Metal Shoes	-"-	9
105	a	Metal Shoes	-"-	9
106	a#	Metalospheres	Different articulation & length	
107	b	Metalospheres	-"-	

Note		Model	Articulation	Excl. group - Drum Kit only
108	c	Spike Tree	Different articulation & length	10
109	c#	Spike Tree	-"-	10
110	d	Spike Tree	-"-	10
111	d#	Spike Tree	-"-	10
112	e	Spike Tree	-"-	10
113	f	Spike Tree	-"-	10
114	f#	Spike Tree	-"-	10
115	g	Spike Tree	-"-	10
116	g#	Spike Tree	-"-	10
117	a	Spike Tree	-"-	10
118	a#	Ratchet	Long	11
119	b	Ratchet	Short	11
120	c	Room Clapper	Different articulation & length	
121	c#	Room Clapper	-"-	
122	d	Room Clapper	-"-	
123	d#	Room Clapper	-"-	
124	e	Room Clapper	-"-	
125	f	Room Clapper	-"-	
126	f#	Devil Chaser	Different articulation & length	12
127	g	Devil Chaser	-"-	12

Percussion instruments

CHINA 1

Sound Bank MSB 92
Prg. 0 - 17 / 103

Drum Kit 103

Important keys

The most important articulations for many percussion sounds are on the keys:

c /60 Open tone
c#/61 Open tone short release
d /62 Slap/Mute

Legend

*	Exclusive Group in Drum Kit Mode - MIDI CHANNEL 10
Hold ENV	These copies can be used with MIDI FILES etc ... to determine the length of the release
Resonance	Just the Resonance of an open tone - use this for modelling OPEN to MUTE
RR	Round Robin - different sample per velocity zone. Many instruments offer 6 velocity zones.
Excl. Group	Key belonging to the same group mute each other. Just Drumkit Mode Ch10 offer this feature.
Tone Dynamic	Higher velocity, a second layer change the tone.



MIRROR NOTES / COPIES

If you have two pads that output note numbers on two different MIDI notes, you can play faster.

The following was provided for this:

*You can find the sound of the MIDI note 60 as a copy on number 59.
As well as the MIDI note 59 as a copy on number 58.*

*These copies are not specified in the sound list of the individual sounds.
The description would no longer seem so clear.*

If an instrument has two different tones, such as bongos, you will also find a reflection for the higher version.

Prg.	Instrument
00	Beijing Opera
01	Bianzhong
02	Gong
03	Gong tuned
04	Kuaiban
05	Big Drum
06	Banbang
07	Bell
08	Large Bell
09	Small Cymbal
10	Medium Cymbal
11	Large Cymbal
12	Muyu
13	Qing
14	Shenbo
15	Slide Bell
16	Small Bell
17	Bianzhong - Notch filter against Low Pass filter (copy from 01)
103	Percussion China 1 - Mapping page 148

Bejing Opera

MSB 92 Prg 0

Note		Model	Articulation	
60	c	Bejing Opera	Wood	Round Robin
61	c#	Bejing Opera	Wood & Cymbal	Round Robin
62	d	Bejing Opera	Cymbal	
63	d#	Bejing Opera	Cymbal	
64	e	Bejing Opera	Cymbal	

Bianzhong

MSB 92 Prg 1

Note		Model	Articulation	
7	c	Bianzhong		
~	c#	Bianzhong		
120	d	Bianzhong		

Gong

MSB 92 Prg 2

Note		Model	Articulation	
60	c	Gong	Dynamic crossover	
~	c#	Gong	Different articulation & length	
71	d	Gong	-"	

Gong Chromatic

MSB 92 Prg 3

Note		Model	Articulation	
60 - 120		Gong Chromatic		

Kuaiban

MSB 92 Prg 4

Note		Model	Articulation	
60 - 71		Kuaiban	Different articulation & length	some with Round Robin

Big Drum

MSB 92 Prg 5

Note		Model	Articulation	
60	c	Big Drum	Open tone dynamic	
61	c#	Big Drum	Open tone dynamic short	
62	d	Big Drum	Open tone dynamic	
63 - 65		Big Drum	Different articulation & length	

Banbang

MSB 92 Prg 6

Note		Model	Articulation	
60	c	Banbang		
~	c#	Banbang		
64	e	Banbang		
65	f	Banbang	Tuned	
~		Banbang	Tuned	
108	c	Banbang	Tuned	

Bell & Chromatic

MSB 92 Prg 7

Note		Model	Articulation	
60	c	Bell	Tone dynamic	
~	c#	Bell		
65	f	Bell		
66	f	Bell	Chromatic	
~		Bell	Chromatic	
127	c	Bell	Chromatic	

Large Bell & Chromatic

MSB 92 Prg 8

Note		Model	Articulation	
60	c	Large Bell	Tone dynamic	
61 - 64		Large Bell	Different articulation & length	
65 - 127		Large Bell	Chromatic	

Small Cymbal MSB 92 Prg 9

Note		Model	Articulation	
60 - 62		Small Cymbal		

Medium Cymbal MSB 92 Prg 10

Note		Model	Articulation	
60 - 65		Medium Cymbal		

Large Cymbal MSB 92 Prg 11

Note		Model	Articulation	
60	c	Large Cymbal	Tone dynamic	
61 - 71		Large Cymbal	Different articulation & length	

Muyu MSB 92 Prg 12

Note		Model	Articulation	
60 - 63		Muyu		some with Round Robin

Qing & Chromatic MSB 92 Prg 13

Note		Model	Articulation	
60 - 61		Qing	Tone dynamic	
62 - 66		Qing	Different articulation & length	
67 - 108		Qing	Chromatic	

Shenbo MSB 92 Prg 14

Note		Model	Articulation	
60	c	Shenbo		Round Robin
61 - 63		Shenbo	Different articulation & length	

Slide Bell MSB 92 Prg 15

Note		Model	Articulation	
60	c	Slide Bell	Down	
61	c#	Slide Bell	Up	

Small Bell MSB 92 Prg 16

Note		Model	Articulation	
60	c	Small Bell	Tone dynamic	
61	c#	Small Bell		Round Robin
62 - 66		Small Bell	Different articulation & length	

Bianzhong - Copy Prg. 1 - High Pass Filter MSB 92 Prg 17

Note		Model	Articulation	
7	c	Bianzhong HPF		
~	c#	Bianzhong HPF		
120	d	Bianzhong HPF		

Percussion China All MSB 92 Prg 103

Note		Model	Articulation	
3	c	Mapping Drum Kit 105		
~	c#	Mapping Drum Kit 105		
127	e	Mapping Drum Kit 105		

Percussion - China 1

Drum Kit 103

Note		Model	Articulation	Excl. Group
		-		
1	c#	Slide Bell	Down	
2	d	Slide Bell	Up	
3	d#	Shenbo	Different articulation & length	
4	e	Shenbo	-"-	
5	f	Shenbo	-"-	
6	f#	Muyu	Different articulation & length	
7	g	Muyu	-"-	
8	g#	Muyu	-"-	
9	a	Muyu	-"-	
10	a#	Large Bell	Tone dynamic	
11	b	Large Bell		
12	c	Small Bell	Different articulation & length	1
13	c#	Small Bell	-"-	1
14	d	Small Bell	-"-	1
15	d#	Small Bell	-"-	1
16	e	Small Bell	-"-	1
17	f	Small Bell	-"-	1
18	f#	Small Bell	-"-	1
19	g	Bell	Different articulation & length	
20	g#	Bell	-"-	
21	a	Bell	-"-	
22	a#	Bell	-"-	
23	b	Bell	-"-	
24	c	Qing	Different articulation & length	
25	c#	Qing	-"-	
26	d	Qing	-"-	
27	d#	Qing	-"-	
28	e	Qing	-"-	
29	f	Qing	-"-	
30	f#	Qing	-"-	
31	g	Bianzhong Chromatic		
32	g#	Bianzhong Chromatic		
33	a	Bianzhong Chromatic		
34	a#	Bianzhong Chromatic		
35	b	Bianzhong Chromatic		

Percussion - China 1

Drum Kit 103

Note		Model	Articulation	Excl. Group
36	c	Bianzhong Chromatic		
37	c#	Bianzhong Chromatic		
38	d	Bianzhong Chromatic		
39	d#	Bianzhong Chromatic		
40	e	Bianzhong Chromatic		
41	f	Bianzhong Chromatic		
42	f#	Bianzhong Chromatic		
43	g	Bianzhong Chromatic		
44	g#	Bianzhong Chromatic		
45	a	Bianzhong Chromatic		
46	a#	Bianzhong Chromatic		
47	b	Bianzhong Chromatic		
48	c	Big Drum	Different articulation & length	2
49	c#	Big Drum	-"-	2
50	d	Big Drum	-"-	2
51	d#	Big Drum	-"-	2
52	e	Big Drum	-"-	2
53	f	Big Drum	-"-	2
54	f#	-		
55	g	Banbang	Different articulation & length	
56	g#	Banbang	-"-	
57	a	Banbang	-"-	
58	a#	Banbang	-"-	
59	b	Banbang	-"-	
60	c	Bejing Opera	Wood	
61	c#	Bejing Opera	Wood & Cymbal	
62	d	Bejing Opera	Cymbal	
63	d#	Bejing Opera	Cymbal	
64	e	Bejing Opera	Cymbal	
65	f	Medium Cymbal	Different articulation & length	3
66	f#	Medium Cymbal	-"-	3
67	g	Medium Cymbal	-"-	3
68	g#	Medium Cymbal	-"-	3
69	a	Medium Cymbal	-"-	3
70	a#	Medium Cymbal	-"-	3
71	b	Small Cymbal		

Percussion - China 1 Selection 1

Drumkit 105

Note		Model	Articulation	Excl. Group
72	c	Large Cymbal	Different articulation & length	4
73	c#	Large Cymbal	-"-	4
74	d	Large Cymbal	-"-	4
75	d#	Large Cymbal	-"-	4
76	e	Large Cymbal	-"-	4
77	f	Large Cymbal	-"-	4
78	f#	Large Cymbal	-"-	4
79	g	Large Cymbal	-"-	4
80	g#	Large Cymbal	-"-	4
81	a	Large Cymbal	-"-	4
82	a#	Large Cymbal	-"-	4
83	b	Large Cymbal	-"-	4
84	c	Gong	Different articulation & length	5
85	c#	Gong	-"-	
86	d	Gong	-"-	
87	d#	Gong	-"-	
88	e	Gong	-"-	
89	f	Gong	-"-	
90	f#	Gong	-"-	
91	g	Gong	Stop	5
92	g#	Gong	Different articulation & length	
93	a	Gong	-"-	
94	a#	Gong	-"-	
95	b	Gong	-"-	
96	c	Kuaiban	Different articulation & length	
97	c#	Kuaiban	-"-	
98	d	Kuaiban	-"-	
99	d#	Kuaiban	-"-	
100	e	Kuaiban	-"-	
101	f	Kuaiban	-"-	
102	f#	Kuaiban	-"-	
103	g	Kuaiban	-"-	
104	g#	Kuaiban	-"-	
105	a	Kuaiban	-"-	
106	a#	Kuaiban	-"-	
107	b	Kuaiban	-"-	

Percussion - China 1 Selection 1

Drumkit 105

Note		Model	Articulation	Excl. Group
108	c	Gong Chromatic		
109	c#	Gong Chromatic		
110	d	Gong Chromatic		
111	d#	Gong Chromatic		
112	e	Gong Chromatic		
113	f	Gong Chromatic		
114	f#	Gong Chromatic		
115	g	Gong Chromatic		
116	g#	Gong Chromatic		
117	a	Gong Chromatic		
118	a#	Gong Chromatic		
119	b	Gong Chromatic		
120	c	Gong Chromatic		
121	c#	Gong Chromatic		
122	d	Gong Chromatic		
123	d#	Gong Chromatic		
124	e	Gong Chromatic		
125	f	Gong Chromatic		
126	f#	Gong Chromatic		
127	g	Gong Chromatic		

Percussion instruments

CLASSIC ORCHESTRA 1

Sound Bank MSB 93

Prg. 0 - 17 / 104

Drum Kit 104

Important keys

The most important articulations for many percussion sounds are on the keys:

- c /60** Open tone
- c#/61** Open tone short release
- d /62** Slap/Mute

Legend

*	Exclusive Group in Drum Kit Mode - MIDI CHANNEL 10
Hold ENV	These copies can be used with MIDI FILES etc ... to determine the length of the release
Resonance	Just the Resonance of an open tone - use this for modelling OPEN to MUTE
RR	Round Robin - different sample per velocity zone. Many instruments offer 6 velocity zones.
Excl. Group	Key belonging to the same group mute each other. Just Drumkit Mode Ch10 offer this feature.
Tone Dynamic	Higher velocity, a second layer change the tone.



MIRROR NOTES / COPIES

If you have two pads that output note numbers on two different MIDI notes, you can play faster.

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As well as the MIDI note 59 as a copy on number 58.*

*These copies are not specified in the sound list of the individual sounds.
The description would no longer seem so clear.*

If an instrument has two different tones, such as bongos, you will also find a reflection for the higher version.

Prg.	Instrument
00	CO Grand Casa
01	CO Concert Cymbals
02	CO Grand Casa & Cymbals
03	CO Cymbal 18"
04	CO Cymbal 24"
05	CO Snare
06	CO Timpani Chromatic
07	CO Triangle
08	CO Castagnets
09	CO Claves
10	CO Cowbell
11	CO Tam Tam
12	CO Thai Gong Chromatic
13	CO Cortales
14	CO Tambourine
104	Percussion - Classic Orchestra 1 - Mapping page 162

CO Grand Casa

MSB 93 Prg 0

Note		Model	Articulation	
60	c	CO Grand Casa	Tone dynamic	
61	c#	CO Grand Casa	Tone dynamic short	
62	d	CO Grand Casa	Forte	
63	d#	CO Grand Casa	Mezzo	
64	e	CO Grand Casa	Piano	
65	f	CO Grand Casa	Pianissimo	
66	f#	CO Grand Casa	Forte short	
67	g	CO Grand Casa	Mezzo short	
68	g#	CO Grand Casa	Piano short	
69	a	CO Grand Casa	Pianissimo short	
70	a#	CO Grand Casa	Tremolo ff	Loop - key must be hold
71	b	CO Grand Casa	Tremolo Cresc. Short	

CO Concert Cymbals

MSB 93 Prg 1

Note		Model	Articulation	
60	c	CO Cymbals Open	Tone dynamic	
61	c#	CO Cymbals Open	Fortissimo	
62	d	CO Cymbals Open	Mezzoforte	
63	d#	CO Cymbals Open	Piano	
66	f#	CO Cym. Medium Open	Tone dynamic	copy 67
67	g	CO Cym. Medium Open	Tone dynamic	
68	g#	CO Cym. Medium Open	Fortissimo	
69	a	CO Cym. Medium Open	Mezzoforte	
70	a#	CO Cym. Medium Open	Piano	
71	b	CO Cymbals Closed	Tone dynamic	copy 72
72	c	CO Cymbals Closed	Tone dynamic	
73	c#	CO Cymbals Closed	Fortissimo	
74	d	CO Cymbals Closed	Mezzoforte	
75	d#	CO Cymbals Closed	Piano	
78	f#	CO Cymbals Stop		copy 79
79	g	CO Cymbals Stop	Tone dynamic	
80	g#	CO Cymbals Stop	Fortissimo	
81	a	CO Cymbals Stop	Mezzoforte	
82	a#	CO Cymbals Stop	Piano	
83	b	CO Cymbals FX		

CO Concert Cymbals & Grand Casa

MSB 93 Prg 2

Note		Model	Articulation	
60	c	CO Cymbals Open	Tone dynamic	& Grand Casa
61	c#	CO Cymbals Open	Fortissimo	& Grand Casa
62	d	CO Cymbals Open	Mezzoforte	& Grand Casa
63	d#	CO Cymbals Open	Piano	& Grand Casa
66	f#	CO Cym. Medium Open	Tone dynamic - copy 67	& Grand Casa
67	g	CO Cym. Medium Open	Tone dynamic	& Grand Casa
68	g#	CO Cym. Medium Open	Fortissimo	& Grand Casa
69	a	CO Cym. Medium Open	Mezzoforte	& Grand Casa
70	a#	CO Cym. Medium Open	Piano	& Grand Casa
71	b	CO Cymbals Closed	Tone dynamic - copy 72	& Grand Casa
72	c	CO Cymbals Closed	Tone dynamic	& Grand Casa
73	c#	CO Cymbals Closed	Fortissimo	& Grand Casa
74	d	CO Cymbals Closed	Mezzoforte	& Grand Casa
75	d#	CO Cymbals Closed	Piano	& Grand Casa
78	f#	CO Cymbals Stop	Tone dynamic - copy 79	& Grand Casa
79	g	CO Cymbals Stop	Tone dynamic	& Grand Casa
80	g#	CO Cymbals Stop	Fortissimo	& Grand Casa
81	a	CO Cymbals Stop	Mezzoforte	& Grand Casa
82	a#	CO Cymbals Stop	Piano	& Grand Casa

CO Cymbal 18"

MSB 93 Prg 3

Note		Model	Articulation	
60	c	CO Cymbals 18"	Tone dynamic	
61	c#	CO Cymbals 18"	Forte	
62	d	CO Cymbals 18"	Mezzo	
63	d#	CO Cymbals 18"	Piano	
66	f#	CO Cymbals 18"	Tone dynamic - short	copy 67
67	g	CO Cymbals 18"	Tone dynamic - short	
68	g#	CO Cymbals 18"	Forte - short	
69	a	CO Cymbals 18"	Mezzo - short	
70	a#	CO Cymbals 18"	Piano - short	
71	b	CO Cymbals 18"	Tone dynamic - soft attack	copy 72
72	c	CO Cymbals 18"	Tone dynamic - soft attack	
73	c#	CO Cymbals 18"	Forte - soft attack	
74	d	CO Cymbals 18"	Mezzo - soft attack	
75	d#	CO Cymbals 18"	Piano - soft attack	
76	e	CO Cymbals 18"	Tremolo Crescendo Short	

CO Cymbal 24"

MSB 93 Prg 4

Note		Model	Articulation	
60	c	CO Cymbals 24"	Tone dynamic	
61	c#	CO Cymbals 24"	Forte	
62	d	CO Cymbals 24"	Mezzo	
63	d#	CO Cymbals 24"	Piano	
66	f#	CO Cymbals 24"	Tone dynamic - short	copy 67
67	g	CO Cymbals 24"	Tone dynamic - short	
68	g#	CO Cymbals 24"	Forte - short	
69	a	CO Cymbals 24"	Mezzo - short	
70	a#	CO Cymbals 24"	Piano - short	
71	b	CO Cymbals 24"	Tone dynamic - soft attack	copy 72
72	c	CO Cymbals 24"	Tone dynamic - soft attack	
73	c#	CO Cymbals 24"	Forte - soft attack	
74	d	CO Cymbals 24"	Mezzo - soft attack	
75	d#	CO Cymbals 24"	Piano - soft attack	
76	e	CO Cymbals 24"	Tremolo crescendo	

CO Snare

MSB 93 Prg 5

Note		Model	Articulation	
60	c	CO Snare	Dynamic	Round Robin
61	c#	CO Snare	Forte	
62	d	CO Snare	Forte	
63	d#	CO Snare	Mezzo	
64	e	CO Snare	Mezzo	
65	f	CO Snare	Piano	
66	f#	CO Snare	Piano	
67	g	CO Snare	Rimshot	
68	g#	CO Snare	Roll Mezzo	Loop
69	a	CO Snare	Roll Forte No Attack	Loop
70	a#	CO Snare	Roll Piano No Attack	Loop
71	b	CO Snare	Flam	

CO Timpani Chromatic

MSB 93 Prg 6

Note		Model	Articulation	
24 - 127		Timpani Chromatic		

CO Triangle

MSB 93 Prg 7

Note		Model	Articulation	
60	c	CO Triangle Large		
61	c#	CO Triangle Large	Short	
62	d	CO Triangle Small		
63	d#	CO Triangle Small	Short	
64	e	CO Triangle Small	Stop	
65	f	CO Triangle Large	Crescendo	
66	f#	CO Triangle Large	Tremolo	Loop
67	g	CO Triangle Small	Crescendo	
68	g#	CO Triangle Small	Tremolo	Loop

CO Castagnets

MSB 93 Prg 8

Note		Model	Articulation	
60	c	CO Castagnets		Round Robin
61	c#	CO Castagnets		
62	d	CO Castagnets		
63	c	CO Castagnets	Tremolo	

CO Claves

MSB 93 Prg 9

Note		Model	Articulation	
60	c	CO Claves		Round Robin
61 - 64		CO Claves	Different articulation & length	

CO Cowbell

MSB 93 Prg 10

Note		Model	Articulation	
60 - 63		CO Cowbell		

CO Tam Tam

MSB 93 Prg 11

Note		Model	Articulation	
60	c	CO Tam Tam	Tone dynamic	
61 - 82		CO Tam Tam	Different articulation & length	
83	c	CO Tam Tam	Roll crescendo	

CO Thai Gong Chromatic

MSB 93 Prg 12

Note		Model	Articulation	
24 - 108		CO Thai Gong Chromatic		

CO Cortales Chromatic

MSB 93 Prg 13

Note		Model	Articulation	
7 - 96		CO Cortales Chromatic		

CO Tambourine

MSB 93 Prg 14

Note		Model	Articulation	
60	c	CO Tambourin	Forte	
61	c#	CO Tambourin	Mezzo	
62	d	CO Tambourin	Back Forte	
63	d#	CO Tambourin	Back Mezzo	
64	e	CO Tambourin	Back Piano	
65	c	CO Tambourin	Tremolo 1	
66	f	CO Tambourin	Tremolo 2	Loop

Classic Orchestra 1 all Percussion

MSB 93 Prg 104

Note		Model		
1 - 127		Classic Orchestra 1		

Percussion Classic Orchestra 1 MSB 93 Prg. 104 & Drum Kit 104

Note		Model	Articulation	Excl. group - Drum Kit only
	-			
1	c#	CO Tambourine	Forte	1
2	d	CO Tambourine	Mezzo	1
3	d#	CO Tambourine	Back Forte	1
4	e	CO Tambourine	Back Mezzo	1
5	f	CO Tambourine	Back Piano	1
6	f#	CO Tambourine	Tremolo 1	1
7	g	CO Tambourine Loop	Tremolo 2	1
8	g#	CO Cowbell	Different articulation & length	2
9	a	CO Cowbell	-"-	2
10	a#	CO Cowbell	-"-	2
11	b	CO Cowbell	Stop	2
12	c	CO Thai Gong Chromatic		
13	c#	CO Thai Gong Chromatic		
14	d	CO Thai Gong Chromatic		
15	d#	CO Thai Gong Chromatic		
16	e	CO Thai Gong Chromatic		
17	f	CO Thai Gong Chromatic		
18	f#	CO Thai Gong Chromatic		
19	g	CO Thai Gong Chromatic		
20	g#	CO Thai Gong Chromatic		
21	a	CO Thai Gong Chromatic		
22	a#	CO Thai Gong Chromatic		
23	b	CO Thai Gong Chromatic		
24	c	CO Thai Gong Chromatic		
25	c#	CO Thai Gong Chromatic		
26	d	CO Thai Gong Chromatic		
27	d#	CO Thai Gong Chromatic		
28	e	CO Thai Gong Chromatic		
29	f	CO Thai Gong Chromatic		
30	f#	CO Thai Gong Chromatic		
31	g	CO Thai Gong Chromatic		
32	g#	CO Thai Gong Chromatic		
33	a	CO Thai Gong Chromatic		
34	a#	CO Thai Gong Chromatic		
35	b	CO Thai Gong Chromatic		

Note		Model	Articulation	Excl. group - Drum Kit only
36	c	CO Cymbals Open	Tone dynamic	3
37	c#	CO Cymbals Open	Fortissimo	3
38	d	CO Cymbals Open	Mezzoforte	3
39	d#	CO Cymbals Open	Piano	3
40	e	-		
41	f	-		
42	f#	-		
43	g	CO Cym. Medium Open	Tone dynamic	3
44	g#	CO Cym. Medium Open	Fortissimo	3
45	a	CO Cym. Medium Open	Mezzoforte	3
46	a#	CO Cym. Medium Open	Piano	3
47	b	-		
48	c	CO Cymbals Closed	Tone dynamic	3
49	c#	CO Cymbals Closed	Fortissimo	3
50	d	CO Cymbals Closed	Mezzoforte	3
51	d#	CO Cymbals Closed	Piano	3
52	e	-		
53	f	-		
54	f#	-		
55	g	CO Cymbals Stop	Tone dynamic	3
56	g#	CO Cymbals Stop	Fortissimo	3
57	a	CO Cymbals Stop	Mezzoforte	3
58	a#	CO Cymbals Stop	Piano	3
59	b	CO Cymbals FX		
60	c	CO Grand Casa	Tone dynamic	4
61	c#	CO Grand Casa	Tone dynamic short	4
62	d	CO Grand Casa	Forte	4
63	d#	CO Grand Casa	Mezzo	4
64	e	CO Grand Casa	Piano	4
65	f	CO Grand Casa	Pianissimo	4
66	f#	CO Grand Casa	Forte short	4
67	g	CO Grand Casa	Mezzo short	4
68	g#	CO Grand Casa	Piano short	4
69	a	CO Grand Casa	Pianissimo short - stop	4
70	a#	CO G. Casa Loop hold key	Tremolo ff	4
71	b	CO Grand Casa	Tremolo Cresc. Short	4

Percussion Classic Orchestra 1

MSB 93 Prg. 104 & Drum Kit 104

Note		Model	Articulation	Excl. group - Drum Kit only
72	c	CO Snare	Dynamic	5
73	c#	CO Snare	Forte	5
74	d	CO Snare	Forte	5
75	d#	CO Snare	Mezzo	5
76	e	CO Snare	Mezzo	5
77	f	CO Snare	Piano	5
78	f#	CO Snare	Piano	5
79	g	CO Snare	Rimshot	5
80	g#	CO Snare Loop	Roll Mezzo	5
81	a	CO Snare Loop	Roll Forte No Attack	5
82	a#	CO Snare Loop	Roll Piano No Attack	5
83	b	CO Snare	Flam	5
84	c	CO Triangle Large		6
85	c#	CO Triangle Large	Short	6
86	d	CO Triangle Small		6
87	d#	CO Triangle Small	Short	6
88	e	CO Triangle Small	Stop	6
89	f	CO Triangle Large	Crescendo	6
90	f#	CO Triangle Large Loop	Tremolo	6
91	g	CO Triangle Small	Crescendo	6
92	g#	CO Triangle Small Loop	Tremolo	6
93	a	Claves	Round Robin	
94	a#	Castagnets	Round Robin	
95	b	Tam Tam	Tone dynamic	
96	c	CO Cymbals 24"	Tone dynamic	7
97	c#	CO Cymbals 24"	Forte	7
98	d	CO Cymbals 24"	Mezzo	7
99	d#	CO Cymbals 24"	Piano	7
100	e	CO Cymbals 18"	Tone dynamic	8
101	f	CO Cymbals 18"	Forte	8
102	f#	CO Cymbals 18"	Mezzo	8
103	g	CO Cymbals 18"	Piano	8
104	g#			
105	a			
106	a#			
107	b			

Note			
108	c	Timpani Chromatic	
109	c#	Timpani Chromatic	
110	d	Timpani Chromatic	
111	d#	Timpani Chromatic	
112	e	Timpani Chromatic	
113	f	Timpani Chromatic	
114	f#	Timpani Chromatic	
115	g	Timpani Chromatic	
116	g#	Timpani Chromatic	
117	a	Timpani Chromatic	
118	a#	Timpani Chromatic	
119	b	Timpani Chromatic	
120	c	Timpani Chromatic	
121	c#	Timpani Chromatic	
122	d	Timpani Chromatic	
123	d#	Timpani Chromatic	
124	e	Timpani Chromatic	
125	f	Timpani Chromatic	
126	f#	Timpani Chromatic	
127	g	Timpani Chromatic	

Drum Kit (Channel 10)

ACOUSTIC STANDARD - GM MAPPING	
0	Standard - Page 167
1	Pop 1
2	Pop 2
3	Hit
4	Vintage
5	Rock
6	Tradition Buzzer Snare
7	Latin
ROOM & OVERHEAD	
8	Standard
9	Pop 1
10	Pop 2
11	Studio
12	Vintage
13	Rock
14	Hit 1
15	Hit 2
POWER KITS	
16	Rock 1
17	Rock 2
18	Rock 3
19	Rock 4
ELECTRONIC & DANCE	
24	Dance
25	Electric
26	808/909
27	808
28	606
29	Dance
30	Dance
31	House

ACOUSTIC JAZZ	
32	Light
33	Medium
34	Radio King
DRUM KITS - ACOUSTIC BRUSH	
40	Medium 1
41	Medium 2
DRUM KITS - ACOUSTIC BRUSH	
48	Classic Percussion
DRUM KITS - VOCAL	
58	Vocal Kit

Drum Kit (Channel 10) Mallet GS Special

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2ND DRUM KIT

After power on the drum kits are only available on parts with active DRUM MODE. The default MIDI channel for this is MIDI channel 10. You can also set a second part to DRUM MODE with a System Exclusive command.

	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 Standard Kit		Nr.	Prg. 0 - 7
G	7	Dance Kick	~	~	~	~	~	~	Snare QA Latin	E	64	Conga low [Repetition]
	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	Snare Var. LS Cravio.	Snare Var. EZ GMS Piccolo	Snare Var. EZ Roge.	Snare Var. LS Bronze	Snare Var. QA 5.5 Radio King	Snare Var. LS SG	Snare Var. CR	Snare Var. 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 Overhead Kit		Nr.	Prg. 8 - 15
G	7	Dance Kick	~	~	~	~	~	~	~	E	64	Conga low [Repetition]
	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 soft QA 12x15 WFL	Snare soft QA 4x14SW	Snare soft QA 4x15 Ludw.	Snare soft QA 5x14 Leedy	Snare soft QA 5x14 Ludwig	Snare soft QA 6.5x14 Lud.	Snare soft QA Black Beauty	Snare soft QA 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	Snare Var. QA 12x15 WFL	Snare Var. QA 4x14SW	Snare Var. QA 4x15 Ludw.	Snare Var. QA 5x14 Leedy	Snare Var. QA 5x14 Ludw.	Snare Var. QA 6.5x14 Lud.	Snare Var. QA Black Beauty	Snare Var. 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 Rimshot QA 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	Snare Var. AD Sonor	Snare Var. LS Ludw.	Snare Var. QA Gadd Power	Snare Var. 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	808 Tom	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 Jazz Kit	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	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. 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- Next Time!'
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 'Hit The 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 ₁ y=1-127 o	
Note OFF	9nH ₁ y=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 - Sostenuito	
	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	BnH 65H 00H 64H 01H 06H vv	vv=00 -100 vv=40H 0 vv=7FH +100
RPN 0002H Coarse tune half tone	BnH 65H 00H 64H 02H 06H vv	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 1CrH	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 II F7H	Master volume (II=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

