

# MIDI Keyboard and Controller to Sound Mapping for Apple Logic EXS24 Sampler Instrument and Native Instruments Battery and Kontakt Player

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## Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Woodwind, brass and strings</b>	<b>3</b>
<b>3</b>	<b>Drums and percussion (Part 1)</b>	<b>7</b>
<b>4</b>	<b>Drums and percussion (Part 2)</b>	<b>22</b>
<b>5</b>	<b>Concluding remarks</b>	<b>30</b>

## 1 Introduction

This document contains a number of tables with the MIDI keyboard (note and key velocity) and controller (modulation wheel) mappings for the Apple Logic EXS24 sampler instrument and the Native Instruments (NI) Kontakt 3 and Battery 3 sound libraries. MIDI note mappings are relevant for drum and percussion sound libraries. MIDI key velocity and modulation wheel are relevant for woodwind, brass and string sound effects. The tables list the default mappings when the software samples are installed.

In the documentation that comes with the software these mapping tables for the various sample libraries are missing. Consulting the tables on the following pages (see the List of Tables on the next page for an overview) may significantly speed up MIDI editing in the Logic software sequencer (with the NI players as AU software instrument plug-ins). Also use the tables when looking for a specific drum or percussion sound and find the sound library that contains the sound (there may be multiple options).

For the keyboard to drum sound mapping the  $\boxed{C3}$  symbol corresponds to the  $C^1$  (central) on the piano keyboard. Key velocity and modulation wheel have a range [1...127].

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## List of Tables

1	Kontakt 3/Symphony Orchestra/VSL/Instruments . . . . .	3
2	EXS24/Orchestral/Woodwinds . . . . .	4
3	EXS24/Orchestral/Brass . . . . .	5
4	EXS24/Guitars/Acoustic Guitars . . . . .	5
5	EXS24/Orchestral/Strings . . . . .	6
6	Kontakt 3/Orchestral/VSL – Percussion/Various Percussion . . . . .	7
7	Battery 3/Acoustic Kits/GM Kit . . . . .	8
8	Battery 3/Acoustic Kits/Full Jazz Kit . . . . .	9
9	Battery 3/Acoustic Kits/Jazz Brush Kit . . . . .	10
10	Battery 3/Acoustic Kits/Pop Kit . . . . .	10
11	Battery 3/Acoustic Kits/Soul Kit . . . . .	11
12	Battery 3/Percussion Kits/Marching Band Kit . . . . .	12
13	Battery 3/Percussion Kits/Afro-Cuban Kit . . . . .	13
14	Battery 3/Percussion Kits/Small Percussion Kit . . . . .	14
15	Battery 3/Percussion Kits/Timpani Kit . . . . .	14
16	Battery 3/Percussion Kits/Bongo Kit . . . . .	15
17	Battery 3/Percussion Kits/Timbale Kit . . . . .	15
18	Battery 3/Percussion Kits/Orchestral Percussion Kit . . . . .	16
19	Battery 3/Percussion Kits/East Asian Kit . . . . .	17
20	Battery 3/Percussion Kits/Middle Eastern Kit . . . . .	18
21	Battery 3/Percussion Kits/World Music Kit . . . . .	19
22	Battery 3/Percussion Kits/North Indian Kit . . . . .	19
23	Battery 3/Percussion Kits/West African Bells and Shakers . . . . .	20
24	Battery 3/Percussion Kits/West African Drums . . . . .	21
25	EXS24/JamPack Symphony Orchestra/Drums/Orchestral Percussion . . . . .	23
26	EXS24/08 Drums & Percussion/Acoustic Drums/Studio Heavy Kit . . . . .	24
27	EXS24/08 Drums & Percussion/Acoustic Drums/Studio Brush Kit . . . . .	25
28	EXS24/10 World/7 South American/Latin Kit . . . . .	26
29	EXS24/10 World/01 African/African Kit . . . . .	27
30	EXS24/10 World/07 South Asian/Indian & Middle Eastern Kit . . . . .	28
31	EXS24/10 World/02 Asian/Asian Kit . . . . .	29

## 2 Woodwind, brass and strings

In the tables on the following pages find MIDI keyboard (velocity) and controller (modulation wheel) to sound mapping for the Apple Logic EXS24 sampler instrument and NI Kontakt 3 player. VSL refers to the Vienna Symphonic Library samples that come with the NI Kontakt 3 player.

The notes in the first column for the NI Kontakt player sounds ( $C \dots F\sharp$ ) will select the playing style indicated in the second column (e.g., staccato); for high pitched instruments this corresponds to the  $C_0$  octave, for low pitched instruments this corresponds to the  $C_5$  octave.

Table 1: Kontakt 3/Symphony Orchestra/VSL/Instruments

Key	Group Effect	Key velocity range	Instrument
<b>Strings</b>			
$C$	Staccato 1	1–88 / 89–108 / 109–127	Vi / Va / Vc
$C\sharp$	Staccato 2	1–55 / 56–108 / 109–127	DB
$D$	Sustained		
$D\sharp$	Tremolo		
$E$	<i>sfz</i> (sforzando)		
$F$	<i>fp</i> (fortepiano)		
$F\sharp$	Pizzicato		
<b>Woodwinds and Brass</b>			
$C$	Staccato 1	1–88 / 89–108 / 109–127	Picc / Fl / Ob
$C\sharp$	Staccato 2	1–88 / 89–108 / 109–127	Cl / Bsn
$D$	Sustained	1–88 / 89–118 / 119–127	Fhn
$D\sharp$	<i>sfz</i> (sforzando)	1–66 / 67–88 / 88–108 / 109–127	Tpt
$E$	<i>fp</i> (fortepiano)	1–88 / 89–108 / 109–127	Tbn / Tu

Table 2: EXS24/Orchestral/Woodwinds

Group Effect	Dynamics	Modulation Wheel	Key velocity range
<b>Flutes, Clarinet Section</b>			
Sustained	<i>f</i>	0-63	89-127
Sustained	<i>p</i>	0-63	0-88
Staccato	<i>f</i>	64-127	89-127
Staccato	<i>p</i>	64-127	0-88
<b>Solo Piccolo / Flute / Clarinet Solo / English Horn</b>			
Sustained	<i>mf</i>	0-63	0-127
Staccato	<i>f</i>	64-127	89-127
Staccato	<i>p</i>	64-127	0-88
<b>Solo Oboe / Bassoon</b>			
Sustained	<i>mf</i>	0-39	0-127
Sustained, Vib	<i>mf</i>	40-87	0-127
Staccato	<i>f</i>	88-127	89-127
Staccato	<i>mf</i>	88-127	0-88

Table 3: EXS24/Orchestral/Brass

Group Effect	Dynamics	Modulation Wheel	Key velocity range
<b>Solo French Horn, Trumpets, Trombones, Full Brass</b>			
Sustained	<i>f</i>	0-63	89-127
Sustained	<i>mf</i>	0-63	0-88
Staccato	<i>f</i>	64-127	89-127
Staccato	<i>p</i>	64-127	0-88
<b>French Horns</b>			
Sustained	<i>f</i>	0-39	89-127
Sustained	<i>mf</i>	0-39	0-88
Cresc	<i>mf – f</i>	40-87	0-127
Staccato	<i>f</i>	88-127	89-127
Staccato	<i>mf</i>	88-127	0-88
<b>Tuba Solo</b>			
Sustained	<i>mf</i>	0-63	0-127
Staccato	<i>ff</i>	64-127	89-127
Staccato	<i>mf</i>	64-127	0-88

Table 4: EXS24/Guitars/Acoustic Guitars

Group Effect	Dynamics	Modulation Wheel	Key velocity range
<b>Acoustic Guitar</b>			
Tone Bend	<i>ff</i>		123-127
	<i>f</i>		106-122
	<i>mf</i>		81-105
	<i>mp</i>		61-80
	<i>p</i>		0-60

Table 5: EXS24/Orchestral/Strings

Group Effect	Dynamics	Modulation Wheel	Key velocity range
<b>Violins / Violas / Double Bass</b>			
Legato	<i>f</i>	0-9	111-127
Legato	<i>mf</i>	0-9	71-110
Legato	<i>p</i>	0-9	0-70
Staccato	downbow	10-36	0-127
Staccato	upbow	10-36	0-127
Tremolo	<i>mf</i>	37-63	0-127
Trills	half tone	64-90	0-127
Trills	whole tone	91-117	0-127
Pizzicato	<i>mf</i>	118-127	111-127
Pizzicato	<i>p</i>	118-127	0-110
<b>Cellos</b>			
Legato	<i>f</i>	0-9	111-127
Legato	<i>mf</i>	0-9	56-110
Legato	<i>p</i>	0-9	0-55
Staccato	downbow	10-36	0-127
Staccato	upbow	10-36	0-127
Tremolo	<i>mf</i>	37-63	0-127
Trills	half tone	64-90	0-127
Trills	whole tone	91-117	0-127
Pizzicato	<i>mf</i>	118-127	111-127
Pizzicato	<i>p</i>	118-127	0-110

### 3 Drums and percussion (Part 1)

In the tables on the following pages find MIDI keyboard (note) to sound mapping for the NI Kontakt 3 and Battery 3 sample libraries (kits).

Table 6: Kontakt 3/Orchestral/VSL – Percussion/Various Percussion

<i>C</i> 1	Triangle open 1	<span style="border: 1px solid black; padding: 0 2px;"><i>C</i>3</span>	Log drum low 1
<i>C</i> ♯1	Triangle open 2	<i>C</i> ♯3	Log drum low 2
<i>D</i> 1	Triangle roll 1	<i>D</i> 3	Log drum low 3
<i>D</i> ♯1	Triangle roll 2	<i>D</i> ♯3	Log drum low 4
<i>E</i> 1	Triangle mute 1	<i>E</i> 3	Log drum low 5
<i>F</i> 1	Triangle mute 2	<i>F</i> 3	Log drum low 6
<i>F</i> ♯1	Triangle mute 3	<i>F</i> ♯3	Log drum high 1
<i>G</i> 1	Castanet 1	<i>G</i> 3	Log drum high 2
<i>G</i> ♯1	Castanet 2	<i>G</i> ♯3	Log drum high 3
<i>A</i> 1	Castanet roll 1	<i>A</i> 3	Log drum high 4
<i>A</i> ♯1	Castanet roll 2	<i>A</i> ♯3	Log drum high 5
<i>B</i> 1	Castanet roll 3	<i>B</i> 3	Log drum high 6
<i>C</i> 2	Slapstick 1	<i>C</i> 4	Claves 1
<i>C</i> ♯2	Slapstick 2	<i>C</i> ♯4	Claves 2
<i>D</i> 2	Slapstick 3	<i>D</i> 4	Claves 3
<i>D</i> ♯2	Slapstick 4	<i>D</i> ♯4	Claves 4
<i>E</i> 2	Guero long-short	<i>E</i> 4	Claves 5
<i>F</i> 2	Ratchet roll 1	<i>F</i> 4	Claves 6
<i>F</i> ♯2	Ratchet roll 2	<i>F</i> ♯4	Claves 7
<i>G</i> 2	Anvil 1	<i>G</i> 4	Claves 8
<i>G</i> ♯2	Anvil 2	<i>G</i> ♯4	Claves 9
<i>A</i> 2	Brake drum 1	<i>A</i> 4	Claves 10
<i>A</i> ♯2	Brake drum 2	<i>A</i> ♯4	Claves 11
<i>B</i> 2	Whistle low-high	<i>B</i> 4	Claves 12

Table 7: Battery 3/Acoustic Kits/GM Kit (95.00 Mb)

<i>C</i> -1		<i>C</i> 2	High mid rack tom	<i>C</i> 5	Bell tree
<i>C</i> ♯-1		<i>C</i> ♯2	Low crash	<i>C</i> ♯5	Castanets
<i>D</i> -1		<i>D</i> 2	High rack tom	<i>D</i> 5	Mute surdo
<i>D</i> ♯-1		<i>D</i> ♯2	Low ride	<i>D</i> ♯5	Open surdo
<i>E</i> -1		<i>E</i> 2	Chinese	<i>E</i> 5	
<i>F</i> -1		<i>F</i> 2	Ride bell	<i>F</i> 5	
<i>F</i> ♯-1		<i>F</i> ♯2	Tambourine	<i>F</i> ♯5	
<i>G</i> -1		<i>G</i> 2	Splash	<i>G</i> 5	
<i>G</i> ♯-1		<i>G</i> ♯2	Cowbell	<i>G</i> ♯5	
<i>A</i> -1		<i>A</i> 2	High crash	<i>A</i> 5	
<i>A</i> ♯-1		<i>A</i> ♯2	Vibra-slap	<i>A</i> ♯5	
<i>B</i> -1		<i>B</i> 2	High ride	<i>B</i> 5	
<i>C</i> 0		<span style="border: 1px solid black;"><i>C</i>3</span>	High bongo	<i>C</i> 6	
<i>C</i> ♯0		<i>C</i> ♯3	Low bongo	<i>C</i> ♯6	
<i>D</i> 0		<i>D</i> 3	Mute conga	<i>D</i> 6	
<i>D</i> ♯0	High Q	<i>D</i> ♯3	Conga	<i>D</i> ♯6	
<i>E</i> 0	Slap	<i>E</i> 3	Tumba	<i>E</i> 6	
<i>F</i> 0	Scratch push	<i>F</i> 3	High timbale	<i>F</i> 6	
<i>F</i> ♯0	Scratch pull	<i>F</i> ♯3	Low timbale	<i>F</i> ♯6	
<i>G</i> 0	Sticks	<i>G</i> 3	High agogo	<i>G</i> 6	
<i>G</i> ♯0	Square click	<i>G</i> ♯3	Low agogo	<i>G</i> ♯6	
<i>A</i> 0	Metronome click	<i>A</i> 3	Cabasa	<i>A</i> 6	
<i>A</i> ♯0	Metronome bell	<i>A</i> ♯3	Maracas	<i>A</i> ♯6	
<i>B</i> 0	Loose kick	<i>B</i> 3	Short whistle	<i>B</i> 6	
<i>C</i> 1	Tight kick	<i>C</i> 4	Long whistle	<i>C</i> 7	
<i>C</i> ♯1	Side stick	<i>C</i> ♯4	Short guiro	<i>C</i> ♯7	
<i>D</i> 1	Snare drum	<i>D</i> 4	Long guiro	<i>D</i> 7	
<i>D</i> ♯1	Claps	<i>D</i> ♯4	Claves	<i>D</i> ♯7	
<i>E</i> 1	Rimshot	<i>E</i> 4	High wood block	<i>E</i> 7	
<i>F</i> 1	Low floor tom	<i>F</i> 4	Low wood block	<i>F</i> 7	
<i>F</i> ♯1	Hi-hat closed	<i>F</i> ♯4	Mute cuica	<i>F</i> ♯7	
<i>G</i> 1	High floor tom	<i>G</i> 4	Open cuica	<i>G</i> 7	
<i>G</i> ♯1	Hi-hat pedal	<i>G</i> ♯4	Mute triangle	<i>G</i> ♯7	
<i>A</i> 1	Low rack tom	<i>A</i> 4	Open triangle	<i>A</i> 7	
<i>A</i> ♯1	Hi-hat open	<i>A</i> ♯4	Shaker	<i>A</i> ♯7	
<i>B</i> 1	Mid rack tom	<i>B</i> 4	Jingle bells	<i>B</i> 7	

Table 8: Battery 3/Acoustic Kits/Full Jazz Kit (133.26 Mb)

<i>C</i> -1		<i>C</i> 2	Hihat foot	<i>C</i> 5	Hihat foot
<i>C</i> ♯-1		<i>C</i> ♯2	Sizzle br	<i>C</i> ♯5	Sizzle edge st
<i>D</i> -1		<i>D</i> 2	Hihat pedal	<i>D</i> 5	Hihat pedal
<i>D</i> ♯-1		<i>D</i> ♯2	Sizzle tip br	<i>D</i> ♯5	Sizzle mid st
<i>E</i> -1		<i>E</i> 2	Hihat pedal close	<i>E</i> 5	Hihat pedal close
<i>F</i> -1		<i>F</i> 2	Hihat scrape brush	<i>F</i> 5	Hihat pedal close drag
<i>F</i> ♯-1		<i>F</i> ♯2	Ride br	<i>F</i> ♯5	Ride edge st
<i>G</i> -1		<i>G</i> 2	Crash 17 br	<i>G</i> 5	Crash 17 mid st
<i>G</i> ♯-1		<i>G</i> ♯2	Ride bell br	<i>G</i> ♯5	Ride bell st
<i>A</i> -1		<i>A</i> 2	Crash 18 br	<i>A</i> 5	Crash 18 mid st
<i>A</i> ♯-1	SD slide slow br A	<i>A</i> ♯2	Sizzle scrape br	<i>A</i> ♯5	Ride Mid st
<i>B</i> -1	SD slide slow br B	<i>B</i> 2	Crash 17 bell br	<i>B</i> 5	Crash 17 edge st
<i>C</i> 0	SD slide mid br A	<span style="border: 1px solid black; padding: 2px;"><i>C</i>3</span>	Crash 18 bell br	<i>C</i> 6	Crash 18 edge st
<i>C</i> ♯0	SD slide mid br B	<i>C</i> ♯3	Ride scrape br	<i>C</i> ♯6	Ride scrape st
<i>D</i> 0	SD slide fast br A	<i>D</i> 3	Crash 17 scrape br	<i>D</i> 6	Crash 17 scrape st
<i>D</i> ♯0	SD slide fast br B	<i>D</i> ♯3	Crash 18 scrape br	<i>D</i> ♯6	Crash 18 scrape st
<i>E</i> 0	SD slide ultra br A	<i>E</i> 3	SD rough br	<i>E</i> 6	
<i>F</i> 0	SD slide ultra br B	<i>F</i> 3	SD rough tight br	<i>F</i> 6	
<i>F</i> ♯0	SD brush snap br	<i>F</i> ♯3	SD tippin br	<i>F</i> ♯6	
<i>G</i> 0	SD snap br	<i>G</i> 3	SD scrape br	<i>G</i> 6	
<i>G</i> ♯0	SD dbl br A	<i>G</i> ♯3	Tom 15 side	<i>G</i> ♯6	
<i>A</i> 0	SD dbl br B	<i>A</i> 3	Tom 13 side	<i>A</i> 6	
<i>A</i> ♯0	SD dbl br hit	<i>A</i> ♯3	Tom 10 side	<i>A</i> ♯6	
<i>B</i> 0	SD trill br	<i>B</i> 3	Tom 15 body	<i>B</i> 6	
<i>C</i> 1	Bass drum 18	<i>C</i> 4	Bass drum 18	<i>C</i> 7	
<i>C</i> ♯1	SD side	<i>C</i> ♯4	SD side st	<i>C</i> ♯7	
<i>D</i> 1	SD br L/R	<i>D</i> 4	SD St L/R	<i>D</i> 7	
<i>D</i> ♯1	SD ghost br L/R	<i>D</i> ♯4	SD ghost st L/R	<i>D</i> ♯7	
<i>E</i> 1	SD rim br L/R	<i>E</i> 4	SD rim st L/R	<i>E</i> 7	
<i>F</i> 1	Tom 15 br	<i>F</i> 4	Tom 15 st	<i>F</i> 7	
<i>F</i> ♯1	Hihat cl br	<i>F</i> ♯4	Hihat close st	<i>F</i> ♯7	
<i>G</i> 1	Tom 13 br	<i>G</i> 4	Tom 13 st	<i>G</i> 7	
<i>G</i> ♯1	Hihat mid br	<i>G</i> ♯4	Hihat mid st	<i>G</i> ♯7	
<i>A</i> 1	Tom 10 br	<i>A</i> 4	Tom 10 st	<i>A</i> 7	
<i>A</i> ♯1	Hihat open br	<i>A</i> ♯4	Hihat open st	<i>A</i> ♯7	
<i>B</i> 1	Hihat bell tip br	<i>B</i> 4	Hihat bell st	<i>B</i> 7	

Table 9: Battery 3/Acoustic Kits/Jazz Brush Kit (19.57 Mb)

<i>C</i> 1	Bass drum	<i>C</i> 2	Hi tom RH
<i>C</i> ♯1	Snare brush stir long	<i>C</i> ♯2	Crash cymbal
<i>D</i> 1	Snare hit LH/RH	<i>D</i> 2	Hi tom ruff
<i>D</i> ♯1	Snare soft stir LH/RH	<i>D</i> ♯2	Ride
<i>E</i> 1	Snare stir short LH/RH	<i>E</i> 2	Hihat pedal open
<i>F</i> 1	Floor tom LH	<i>F</i> 2	Ride ding bell
<i>F</i> ♯1	Hihat closed	<i>F</i> ♯2	Snare drag
<i>G</i> 1	Floor tom RH	<i>G</i> 2	Ride scrape
<i>G</i> ♯1	Hihat pedal	<i>G</i> ♯2	Snare buzz
<i>A</i> 1	High tom LH	<i>A</i> 2	
<i>A</i> ♯1	Hihat open	<i>A</i> ♯2	
<i>B</i> 1	Hi tom RH	<i>B</i> 2	Sizzle

Table 10: Battery 3/Acoustic Kits/Pop Kit (95.72 Mb)

<i>C</i> 1	BD 24x14 plastic	<i>C</i> 3	BD 22x16 felt	<i>C</i> 5	Hihat foot
<i>C</i> ♯1	Side stick	<i>C</i> ♯3	Snare add rim L	<i>C</i> ♯5	Hihat foot muted
<i>D</i> 1	Snare L	<i>D</i> 3	Snare add L	<i>D</i> 5	Cowbell small
<i>D</i> ♯1	Snare rim L	<i>D</i> ♯3	Snare add rim R	<i>D</i> ♯5	Guiro
<i>E</i> 1	Snare R	<i>E</i> 3	Snare add R	<i>E</i> 5	Cowbell guiro
<i>F</i> 1	Floor tom low L	<i>F</i> 3	Snare add ghost	<i>F</i> 5	Cross sticks A
<i>F</i> ♯1	Hihat close	<i>F</i> ♯3	Snare add ghost buzz	<i>F</i> ♯5	Cross sticks B
<i>G</i> 1	Floor tom low R	<i>G</i> 3	Side stick 2	<i>G</i> 5	Cross sticks C
<i>G</i> ♯1	Hihat foot	<i>G</i> ♯3	Sn Side stick muted	<i>G</i> ♯5	
<i>A</i> 1	Floor tom hi L	<i>A</i> 3	Sn rev stick L	<i>A</i> 5	
<i>A</i> ♯1	Hihat close/(half)-open	<i>A</i> ♯3	Snare ghost	<i>A</i> ♯5	
<i>B</i> 1	Floor tim hi R	<i>B</i> 3	Sn rev stick R	<i>B</i> 5	
<i>C</i> 2	Tom low L	<i>C</i> 4	BD 24x14 empty felt	<i>C</i> 6	
<i>C</i> ♯2	Crash cymb 18	<i>C</i> ♯4	Snare rim L	<i>C</i> ♯6	
<i>D</i> 2	Tom low R	<i>D</i> 4	Snare L	<i>D</i> 6	
<i>D</i> ♯2	Ride mid	<i>D</i> ♯4	Snare rim R	<i>D</i> ♯6	
<i>E</i> 2	Tom hi L	<i>E</i> 4	Snare R	<i>E</i> 6	
<i>F</i> 2	Tom hi R	<i>F</i> 4	Hihat close	<i>F</i> 6	
<i>F</i> ♯2	Ride bell	<i>F</i> ♯4	Hihat close tip	<i>F</i> ♯6	
<i>G</i> 2	Splash cymb 8	<i>G</i> 4	Hihat half 1	<i>G</i> 6	
<i>G</i> ♯2	Cowbell big	<i>G</i> ♯4	Hihat half 2	<i>G</i> ♯6	
<i>A</i> 2	Crash cymb 17	<i>A</i> 4	Hihat half 3	<i>A</i> 6	
<i>A</i> ♯2	Splash cymb 10	<i>A</i> ♯4	Hihat open	<i>A</i> ♯6	
<i>B</i> 2	Ride edge	<i>B</i> 4	Hihat bell	<i>B</i> 6	

Table 11: Battery 3/Acoustic Kits/Soul Kit (36.82 Mb).

D/O/R: Direct/Overheads/Room (samples play sequentially).

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<i>C</i> 1	Kick D/O/R	<i>C</i> 2	
<i>C</i> ♯1	Side stick D/O/R	<i>C</i> ♯2	High crash D/O/R
<i>D</i> 1	Snare D/O/R	<i>D</i> 2	High tom D/O/R
<i>D</i> ♯1		<i>D</i> ♯2	Ride cymbal D/O/R
<i>E</i> 1		<i>E</i> 2	China cymbal D/O/R
<i>F</i> 1		<i>F</i> 2	Ride cymbal bell D/O/R
<i>F</i> ♯1	Closed HH D/O/R	<i>F</i> ♯2	
<i>G</i> 1	Floor tom D/O/R	<i>G</i> 2	Splash cymbal D/O/R
<i>G</i> ♯1	Pedal HH D/O/R	<i>G</i> ♯2	Half-open HH D/O/R
<i>A</i> 1	Low tom D/O/R	<i>A</i> 2	Mid crash cymbal D/O/R
<i>A</i> ♯1	Open HH D/O/R	<i>A</i> ♯2	
<i>B</i> 1	Mid tom D/O/R	<i>B</i> 2	Low crash cymbal D/O/R

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Table 12: Battery 3/Percussion Kits/Marching Band Kit (44.26 Mb). <sup>1</sup>: velocity-controlled RH/LH, <sup>2</sup> velocity-controlled A/B(/C/.../H).

<i>C</i> -1		<i>C</i> 2	Firecracker dr rim <sup>1</sup>	<i>C</i> 5	Police whistle long
<i>C</i> ♯-1		<i>C</i> ♯2	Center dr ens <sup>1</sup>	<i>C</i> ♯5	Police whistle roll off
<i>D</i> -1		<i>D</i> 2	Center dr ens roll	<i>D</i> 5	
<i>D</i> ♯-1		<i>D</i> ♯2	Center dr ens rim <sup>1</sup>	<i>D</i> ♯5	
<i>E</i> -1		<i>E</i> 2	Center drum <sup>1</sup>	<i>E</i> 5	
<i>F</i> -1		<i>F</i> 2	Center drum roll	<i>F</i> 5	
<i>F</i> ♯-1		<i>F</i> ♯2	Center dr rim <sup>1</sup>	<i>F</i> ♯5	
<i>G</i> -1		<i>G</i> 2	Stick hits <sup>1</sup>	<i>G</i> 5	
<i>G</i> ♯-1		<i>G</i> ♯2	Centre dr side <sup>1</sup>	<i>G</i> ♯5	
<i>A</i> -1		<i>A</i> 2	Low tom <sup>1</sup>	<i>A</i> 5	
<i>A</i> ♯-1		<i>A</i> ♯2	Lo-mid tom <sup>1</sup>	<i>A</i> ♯5	
<i>B</i> -1		<i>B</i> 2	Hi-mid tom <sup>1</sup>	<i>B</i> 5	
<i>C</i> 0		<span style="border: 1px solid black; padding: 2px;"><i>C</i>3</span>	High tom <sup>1</sup>	<i>C</i> 6	
<i>C</i> ♯0		<i>C</i> ♯3	Low tom roll	<i>C</i> ♯6	
<i>D</i> 0		<i>D</i> 3	Lo-mid tom roll	<i>D</i> 6	
<i>D</i> ♯0		<i>D</i> ♯3	Hi-mid tom roll	<i>D</i> ♯6	
<i>E</i> 0		<i>E</i> 3	High tom roll	<i>E</i> 6	
<i>F</i> 0		<i>F</i> 3	Lo tom shot <sup>1</sup>	<i>F</i> 6	
<i>F</i> ♯0		<i>F</i> ♯3	Lo-mid tom shot <sup>1</sup>	<i>F</i> ♯6	
<i>G</i> 0		<i>G</i> 3	Hi-mid tom shot <sup>1</sup>	<i>G</i> 6	
<i>G</i> ♯0		<i>G</i> ♯3	Hi tom shot <sup>1</sup>	<i>G</i> ♯6	
<i>A</i> 0		<i>A</i> 3	Low tom rim <sup>1</sup>	<i>A</i> 6	
<i>A</i> ♯0		<i>A</i> ♯3	Lo-mid tom rim <sup>1</sup>	<i>A</i> ♯6	
<i>B</i> 0		<i>B</i> 3	Hi-mid tom rim <sup>1</sup>	<i>B</i> 6	
<i>C</i> 1	Bass drum <sup>1</sup>	<i>C</i> 4	High tom Rim <sup>1</sup>	<i>C</i> 7	
<i>C</i> ♯1	Bass drum roll	<i>C</i> ♯4	Marching cymbal 1	<i>C</i> ♯7	
<i>D</i> 1	Bass drum lo <sup>1</sup>	<i>D</i> 4	Marching cymbal 2	<i>D</i> 7	
<i>D</i> ♯1	Bass drum lo-mid <sup>1</sup>	<i>D</i> ♯4	Symphonic cymb 1	<i>D</i> ♯7	
<i>E</i> 1	Bass drum mid <sup>1</sup>	<i>E</i> 4	Symphonic cymb 2	<i>E</i> 7	
<i>F</i> 1	Bass drum mid-hi <sup>1</sup>	<i>F</i> 4	Constantinople cym 1	<i>F</i> 7	
<i>F</i> ♯1	Bass drum hi <sup>1</sup>	<i>F</i> ♯4	Constantinople cym 2	<i>F</i> ♯7	
<i>G</i> 1	Concert snare <sup>1</sup>	<i>G</i> 4	Sizzle cymbal	<i>G</i> 7	
<i>G</i> ♯1	Concert snare roll	<i>G</i> ♯4	Hard mute cym <sup>2</sup>	<i>G</i> ♯7	
<i>A</i> 1	Concert snare rim	<i>A</i> 4	Soft mute cymb <sup>2</sup>	<i>A</i> 7	
<i>A</i> ♯1	Firecracker dr <sup>1</sup>	<i>A</i> ♯4	Hand claps <sup>2</sup>	<i>A</i> ♯7	
<i>B</i> 1	Firecracker dr roll	<i>B</i> 4	Sticks hits full <sup>2</sup>	<i>B</i> 7	

Table 13: Battery 3/Percussion Kits/Afro-Cuban Kit (169.92 Mb). A subset ( $C1 - B3$ , identical mapping) is also available as Conga Kit (36.95 Mb)

$C-1$		$C2$	Conga L open	$C5$	Hi bongo L open
$C\sharp-1$		$C\sharp2$	Conga R open	$C\sharp5$	Hi bongo R open
$D-1$		$D2$	Conga open slap 1	$D5$	Hi bongo open slap 1
$D\sharp-1$		$D\sharp2$	Conga open slap 2	$D\sharp5$	Hi bongo open slap 2
$E-1$		$E2$	Conga heel	$E5$	Hi bongo heel
$F-1$		$F2$	Conga tip	$F5$	Hi bongo tip
$F\sharp-1$		$F\sharp2$	Conga muffled slap	$F\sharp5$	Hi bongo muffled slap
$G-1$		$G2$	Conga finger tap	$G5$	Clave
$G\sharp-1$		$G\sharp2$	Conga mute tone 1	$G\sharp5$	Wood block L
$A-1$		$A2$	Conga mute tone 2	$A5$	Wood block R
$A\sharp-1$		$A\sharp2$	Conga bass tone 1	$A\sharp5$	Cymbal bell
$B-1$		$B2$	Conga bass tone 2	$B5$	Cymbal crash
$C0$		$C3$	Quinto L open	$C6$	Mambo bell open
$C\sharp0$		$C\sharp3$	Quinto R open	$C\sharp6$	Mambo bell rim
$D0$		$D3$	Quinto open slap 1	$D6$	Salsa bell open hit
$D\sharp0$		$D\sharp3$	Quinto open slap 2	$D\sharp6$	Salsa bell rim hit
$E0$		$E3$	Quinto heel	$E6$	Cha-cha bell open
$F0$		$F3$	Quinto tip	$F6$	Cha-cha bell rim
$F\sharp0$		$F\sharp3$	Quinto muffled slap	$F\sharp6$	
$G0$		$G3$	Quinto finger slap	$G6$	
$G\sharp0$		$G\sharp3$	Quinto mute tone 1	$G\sharp6$	
$A0$		$A3$	Quinto mute tone 2	$A6$	
$A\sharp0$		$A\sharp3$	Quinto mute slap 1	$A\sharp6$	
$B0$		$B3$	Quinto mute slap 2	$B6$	
$C1$	Tumba L open	$C4$	Lo bongo L open	$C7$	Lo timbale open
$C\sharp1$	Tumba R open	$C\sharp4$	Lo bongo R open	$C\sharp7$	Lo timb rimshot
$D1$	Tumba mute slap 1	$D4$	Lo bongo open slap 1	$D7$	Lo timb cascara
$D\sharp1$	Tumba mute slap 2	$D\sharp4$	Lo bongo open slap 2	$D\sharp7$	Lo timb open t hand
$E1$	Tumba heel	$E4$	Lo bongo bass tone 1	$E7$	Lo timb mute hit
$F1$	Tumba tip	$F4$	Lo bongo bass tone 2	$F7$	Lo timb side stick
$F\sharp1$	Tumba muffled slap	$F\sharp4$		$F\sharp7$	Hi timbale open
$G1$	Tumba finger bend	$G4$	Lo bongo	$G7$	Hi timb rimshot
$G\sharp1$	Tumba mute tone 1	$G\sharp4$		$G\sharp7$	Hi timb cascara
$A1$	Tumba mute tone 2	$A4$		$A7$	Hi timb open t hand
$A\sharp1$	Tumba bass tone 1	$A\sharp4$		$A\sharp7$	Hi timb mute hit
$B1$	Tumba bass tone 2	$B4$		$B7$	Hi timb side stick

Table 14: Battery 3/Percussion Kits/Small Percussion Kit (55.12 Mb)

<i>C</i> 2	Woodblock LH	<span style="border: 1px solid black; padding: 0 2px;"><i>C</i>3</span>	Salsa bell open hit
<i>C</i> ♯2	Woodblock RH	<i>C</i> ♯3	Salsa bell rim hit
<i>D</i> 2	Woodblock Ruff	<i>D</i> 3	Salsa bell open buzz
<i>D</i> ♯2	Woodblock buzz	<i>D</i> ♯3	Salsa bell rim buzz
<i>E</i> 2	Clave	<i>E</i> 3	Cha-cha bell open
<i>F</i> 2	Clave release	<i>F</i> 3	Cha-cha bell rim
<i>F</i> ♯2	Clave roll	<i>F</i> ♯3	Cha-cha bell open flam
<i>G</i> 2	Clavebuzz	<i>G</i> 3	Cha-cha bell rim flam
<i>G</i> ♯2	Mambo bell open	<i>G</i> ♯3	Cymbal crash
<i>A</i> 2	Mambo bell rim	<i>A</i> 3	Cymbal bell
<i>A</i> ♯2	Mambo bell open buzz	<i>A</i> ♯3	Cymbal roll
<i>B</i> 2	Mambo bell rim buzz	<i>B</i> 3	Cymbal damp

Table 15: Battery 3/Percussion Kits/Timpani Kit (59.18 Mb)

Key	Mod 0-31	Mod 32-63	Mod 64-95	Mod 96-127
<i>F</i> 1	Timpani F	Flam	Ruff	Roll
<i>F</i> ♯1	Timpani F♯	Flam	Ruff	Roll
<i>G</i> 1	Timpani G	Flam	Ruff	Roll
<i>G</i> ♯1	Timpani G♯	Flam	Ruff	Roll
<i>A</i> 1	Timpani A	Flam	Ruff	Roll
<i>A</i> ♯1	Timpani A♯	Flam	Ruff	Roll
<i>B</i> 1	Timpani B	Flam	Ruff	Roll
<i>C</i> 2	Timpani C♯	Flam	Ruff	Roll
<i>C</i> ♯2	Timpani C♯	Flam	Ruff	Roll
<i>D</i> 2	Timpani D	Flam	Ruff	Roll
<i>D</i> ♯2	Timpani D♯	Flam	Ruff	Roll
<i>E</i> 2	Timpani E	Flam	Ruff	Roll
<i>F</i> 2	Timpani F	Flam	Ruff	Roll

Table 16: Battery 3/Percussion Kits/Bongo Kit (29.14 Mb)

<i>C</i> 4	Low bongo LH open	<i>C</i> 5	High bongo LH open
<i>C</i> ♯4	Low bongo RH open tone	<i>C</i> ♯5	High bongo RH open
<i>D</i> 4	Low bongo open slap LH	<i>D</i> 5	High bongo open slap LH
<i>D</i> ♯4	Low bongo open slap RH	<i>D</i> ♯5	High bongo open slap RH
<i>E</i> 4	Low bongo bass tone LH	<i>E</i> 5	High bongo heel
<i>F</i> 4	Low bongo bass tone RH	<i>F</i> 5	High bongo tip
<i>F</i> ♯4		<i>F</i> ♯5	High bongo muffle slap

Table 17: Battery 3/Percussion Kits/Timbale Kit (45.62 Mb)

<i>C</i> 2	Low timbale open flam	<span style="border: 1px solid black; padding: 2px;"><i>C</i>3</span>	Low timbale open
<i>C</i> ♯2	Low timbale rimshot buzz	<i>C</i> ♯3	Low timbale rimshot
<i>D</i> 2	Low timbale cascara flam	<i>D</i> 3	Low timbale cascara
<i>D</i> ♯2	Low timbale hand release	<i>D</i> ♯3	Low timbale hand
<i>E</i> 2	Low timbale mute drag	<i>E</i> 3	Low timbale mute
<i>F</i> 2	Low timbale stick buzz	<i>F</i> 3	Low timbale stick
<i>F</i> ♯2	High timbale open flam	<i>F</i> ♯3	High timbale open
<i>G</i> 2	High timbale rimshot buzz	<i>G</i> 3	High timbale rimshot
<i>G</i> ♯2	High timbale cascara flam	<i>G</i> ♯3	High timbale cascara
<i>A</i> 2	High timbale hand release	<i>A</i> 3	High timbale hand
<i>A</i> ♯2	High timbale mute drag	<i>A</i> ♯3	High timbale mute
<i>B</i> 2	High timbale stick buzz	<i>B</i> 3	High timbale stick

Table 18: Battery 3/Percussion Kits/Orchestral Percussion Kit (60.49 Mb)

<i>C</i> -1		<i>C</i> 2	Snare on roll	<i>C</i> 5	Snare on flam
<i>C</i> ♯-1		<i>C</i> ♯2	Snare off roll	<i>C</i> ♯5	Snare off flam
<i>D</i> -1		<i>D</i> 2	Field dr roll	<i>D</i> 5	Field drum flam
<i>D</i> ♯-1		<i>D</i> ♯2	Bass dr roll	<i>D</i> ♯5	Bass dr coperto
<i>E</i> -1		<i>E</i> 2	Susp cymb roll	<i>E</i> 5	Susp cymb arco
<i>F</i> -1		<i>F</i> 2	Tamb shake	<i>F</i> 5	Tamb thumb roll
<i>F</i> ♯-1		<i>F</i> ♯2	Piatti roll	<i>F</i> ♯5	Triangle single hit
<i>G</i> -1		<i>G</i> 2	Claves	<i>G</i> 5	Chimes wood up
<i>G</i> ♯-1		<i>G</i> ♯2	Woodblock 1	<i>G</i> ♯5	Finger cymb hi
<i>A</i> -1		<i>A</i> 2	Woodblock 2	<i>A</i> 5	Chinese cymbals
<i>A</i> ♯-1		<i>A</i> ♯2	Woodblock 3	<i>A</i> ♯5	Ratchet long
<i>B</i> -1		<i>B</i> 2	Woodblock 4	<i>B</i> 5	Gong high
<i>C</i> 0		<span style="border: 1px solid black;"><i>C</i>3</span>	Sn on roll cresc	<i>C</i> 6	Snare on drag
<i>C</i> ♯0		<i>C</i> ♯3	Sn off roll cresc	<i>C</i> ♯6	Snare off drag
<i>D</i> 0		<i>D</i> 3	Fld dr roll cresc	<i>D</i> 6	Field dr drag
<i>D</i> ♯0		<i>D</i> ♯3	Bs dr roll cresc	<i>D</i> ♯6	Bs dr beater on beater
<i>E</i> 0		<i>E</i> 3	Susp cym roll cresc	<i>E</i> 6	Susp cymb scrape
<i>F</i> 0		<i>F</i> 3	Tamb shake cresc	<i>F</i> 6	Tamb knee stroke
<i>F</i> ♯0		<i>F</i> ♯3	Piatti secco	<i>F</i> ♯6	Triangle roll
<i>G</i> 0		<i>G</i> 3	Chimes metal up	<i>G</i> 6	Chimes wood down
<i>G</i> ♯0		<i>G</i> ♯3	Castanets	<i>G</i> ♯6	Finger cymb lo
<i>A</i> 0		<i>A</i> 3	Log drum high	<i>A</i> 6	Guiro
<i>A</i> ♯0		<i>A</i> ♯3	Brake drum	<i>A</i> ♯6	Slapstick
<i>B</i> 0		<i>B</i> 3	Whistle	<i>B</i> 6	Gong low
<i>C</i> 1	Snare snares on	<i>C</i> 4	Sn on roll decr	<i>C</i> 7	
<i>C</i> ♯1	Snare snares off	<i>C</i> ♯4	Sn off roll decr	<i>C</i> ♯7	
<i>D</i> 1	Field drum	<i>D</i> 4	Fld dr roll decr	<i>D</i> 7	
<i>D</i> ♯1	Bass drum	<i>D</i> ♯4	Bs dr roll decr	<i>D</i> ♯7	
<i>E</i> 1	Suspended cymbal	<i>E</i> 4	Susp cym roll decr	<i>E</i> 7	
<i>F</i> 1	Tambourine	<i>F</i> 4	Tamb shake decr	<i>F</i> 7	
<i>F</i> ♯1	Piatti	<i>F</i> ♯4	Tam-tam	<i>F</i> ♯7	
<i>G</i> 1	Temple block 1	<i>G</i> 4	Chimes metal down	<i>G</i> 7	
<i>G</i> ♯1	Temple block 2	<i>G</i> ♯4	Castanets roll	<i>G</i> ♯7	
<i>A</i> 1	Temple block 3	<i>A</i> 4	Log drum low	<i>A</i> 7	
<i>A</i> ♯1	Temple block 4	<i>A</i> ♯4	Anvil	<i>A</i> ♯7	
<i>B</i> 1	Temple block 5	<i>B</i> 4	Peking opera gong	<i>B</i> 7	

Table 19: Battery 3/Percussion Kits/East Asian Kit (83.78 Mb)

<i>C</i> -1		<i>C</i> 2	Taiko 3 open	<i>C</i> 5	Large gong 2 stick
<i>C</i> ♯-1		<i>C</i> ♯2	Taiko 3 shell flam	<i>C</i> ♯5	Large gong swell long
<i>D</i> -1		<i>D</i> 2	Taiko 3 rim	<i>D</i> 5	Large gong 2 rod
<i>D</i> ♯-1		<i>D</i> ♯2	Taiko 3 shell rim	<i>D</i> ♯5	Large gong 2 Jclaw
<i>E</i> -1		<i>E</i> 2	Taiko 3 open 2	<i>E</i> 5	Large gong 2 scrape
<i>F</i> -1		<i>F</i> 2	Taiko 3 rim 2	<i>F</i> 5	Small gong open
<i>F</i> ♯-1		<i>F</i> ♯2	Taiko 3 rim shell flam	<i>F</i> ♯5	Small gong stk cls
<i>G</i> -1		<i>G</i> 2	Lion drum 1 open	<i>G</i> 5	Small gong stick
<i>G</i> ♯-1		<i>G</i> ♯2	Lion drum 1 shell	<i>G</i> ♯5	Small gong ball
<i>A</i> -1		<i>A</i> 2	Lion dr open flam	<i>A</i> 5	Small gong bow
<i>A</i> ♯-1		<i>A</i> ♯2	Lion dr 2 shell flam	<i>A</i> ♯5	Chinese cymbal
<i>B</i> -1		<i>B</i> 2	Lion dr 2 open	<i>B</i> 5	Chinese march cymb op
<i>C</i> 0	Tuned gong C	<span style="border: 1px solid black; padding: 2px;"><i>C</i>3</span>	Lion dr 2 open flam	<i>C</i> 6	Chinese march cym cls
<i>C</i> ♯0		<i>C</i> ♯3	Lion dr 2 shell	<i>C</i> ♯6	Water gong up
<i>D</i> 0	Tuned gong D	<i>D</i> 3	Lion dr 2 shell flam	<i>D</i> 6	Water gong down
<i>D</i> ♯0		<i>D</i> ♯3	Kendong closed	<i>D</i> ♯6	Water gong hi trem
<i>E</i> 0	Tuned gong E	<i>E</i> 3	Kendong open	<i>E</i> 6	Water gong hi down
<i>F</i> 0		<i>F</i> 3	Kendong edge	<i>F</i> 6	Vietnamese gong open
<i>F</i> ♯0	Tuned gong F	<i>F</i> ♯3	Kendong slap	<i>F</i> ♯6	Vietnamese gong mute
<i>G</i> 0	Tuned gong G	<i>G</i> 3	Kendong stick	<i>G</i> 6	Indo gong 1 open
<i>G</i> ♯0		<i>G</i> ♯3	Sm Kendong closed	<i>G</i> ♯6	Indo gong stick
<i>A</i> 0	Tuned gong A	<i>A</i> 3	Sm Kendong open	<i>A</i> 6	Indo gong 2 open
<i>A</i> ♯0		<i>A</i> ♯3	Sm Kendong slap	<i>A</i> ♯6	Temple bowl low
<i>B</i> 0	Tuned gong B	<i>B</i> 3	Sm Kendong edge	<i>B</i> 6	Temple bowl mid
<i>C</i> 1	Taiko 1 open	<i>C</i> 4	Sm Kendong stick	<i>C</i> 7	Temple bowl high
<i>C</i> ♯1	Taiko 1 shell	<i>C</i> ♯4	Bajiaogu closed	<i>C</i> ♯7	
<i>D</i> 1	Taiko 1 rim	<i>D</i> 4	Bajiaogu open	<i>D</i> 7	
<i>D</i> ♯1	Taiko 1 shell flam	<i>D</i> ♯4	Bajiaogu roll	<i>D</i> ♯7	
<i>E</i> 1	Taiko 1 flam rim	<i>E</i> 4	Bajiaogu edge	<i>E</i> 7	
<i>F</i> 1	Taiko 1 rimshot	<i>F</i> 4	Large gong open	<i>F</i> 7	
<i>F</i> ♯1	Taiko 1 shell flam	<i>F</i> ♯4	Large gong swell long	<i>F</i> ♯7	
<i>G</i> 1	Taiko 2 open	<i>G</i> 4	Large gong stick	<i>G</i> 7	
<i>G</i> ♯1	Taiko 2 shell	<i>G</i> ♯4	Large gong swell short	<i>G</i> ♯7	
<i>A</i> 1	Taiko 2 rim	<i>A</i> 4	Large gong bow	<i>A</i> 7	
<i>A</i> ♯1	Taiko 2 shell flam	<i>A</i> ♯4	Large gong ball	<i>A</i> ♯7	
<i>B</i> 1	Taiko 2 stick click	<i>B</i> 4	Large gong 2 open	<i>B</i> 7	

Table 20: Battery 3/Percussion Kits/Middle Eastern Kit (141.59 Mb)

<i>C</i> 0	Tonbak bass	<span style="border: 1px solid black; padding: 0 2px;"><i>C</i>3</span>	Bendhir open	<i>C</i> 6	Doira open hard
<i>C</i> ♯0	Tonbak open edge	<i>C</i> ♯3	Bendhir flam edge	<i>C</i> ♯6	Doira slap
<i>D</i> 0	Tonbak edge	<i>D</i> 3	Bendhir closed	<i>D</i> 6	Doira edge roll
<i>D</i> ♯0	Tonbak slap	<i>D</i> ♯3	Bendhir flam closed	<i>D</i> ♯6	Doira edge
<i>E</i> 0	Tonbak roll	<i>E</i> 3	Dunbek open	<i>E</i> 6	Doira grace slap
<i>F</i> 0	Tonbak grace edge	<i>F</i> 3	Dunbek slap	<i>F</i> 6	Tajira edge
<i>F</i> ♯0	Lrg dunbek jingle	<i>F</i> ♯3	Dunbek grace open	<i>F</i> ♯6	Tajira open
<i>G</i> 0	Lrg dunbek open	<i>G</i> 3	Dunbek edge	<i>G</i> 6	Tajira closed
<i>G</i> ♯0	Lrg dunbek edge	<i>G</i> ♯3	Dunbek roll	<i>G</i> ♯6	Riq open soft
<i>A</i> 0	Lrg dunbek slap	<i>A</i> 3	Dunbek grace edge	<i>A</i> 6	Riq jingle closed
<i>A</i> ♯0	Lrg dunbek roll	<i>A</i> ♯3	Dayereh grc-opn bass	<i>A</i> ♯6	Riq dun open
<i>B</i> 0	Lrg dunbek grc edge	<i>B</i> 3	Dayereh grc-opn edge	<i>B</i> 6	Riq slap
<i>C</i> 1	Tapan low	<i>C</i> 4	Dayereh open	<i>C</i> 7	Riq jingle open
<i>C</i> ♯1	Tapan lo closed	<i>C</i> ♯4	Dayereh closed slap	<i>C</i> ♯7	Riq edge soft
<i>D</i> 1	Tapan high	<i>D</i> 4	Dayereh open slap	<i>D</i> 7	Riq flam
<i>D</i> ♯1	Tapan hi closed	<i>D</i> ♯4	Dayereh closed edge	<i>D</i> ♯7	Riq edge open
<i>E</i> 1	Daf open soft	<i>E</i> 4	Dayereh edge	<i>E</i> 7	Riq roll fast 1
<i>F</i> 1	Daf bass hard	<i>F</i> 4	Dayereh closed bass	<i>F</i> 7	Riq roll fast 2
<i>F</i> ♯1	Daf grace bass	<i>F</i> ♯4	Nagereh rough low	<i>F</i> ♯7	Riq roll med
<i>G</i> 1	Daf slap	<i>G</i> 4	Nagereh low	<i>G</i> 7	Riq roll long
<i>G</i> ♯1	Daf grace slap	<i>G</i> ♯4	Nagereh rough hi	<i>G</i> ♯7	MorocBngo LrgLo opn
<i>A</i> 1	Daf edge	<i>A</i> 4	Nagereh high	<i>A</i> 7	MorocBngo LrgLo edge
<i>A</i> ♯1	Daf ring grc edge	<i>A</i> ♯4	Davul edge	<i>A</i> ♯7	MorocBngo MedLo opn
<i>B</i> 1	Tar bass hard	<i>B</i> 4	Davul open	<i>B</i> 7	MorocBngo MedLo edge
<i>C</i> 2	Tar bass soft	<i>C</i> 5	Davul slap	<i>C</i> 8	MorocBngo MedHi opn
<i>C</i> ♯2	Tar slap closed	<i>C</i> ♯5	Davul grace edge	<i>C</i> ♯8	MorocBngo LrgHi edge
<i>D</i> 2	Tar edge	<i>D</i> 5	Ghaval open	<i>D</i> 8	MorocBngo LrgHi opn
<i>D</i> ♯2	Tar roll edge	<i>D</i> ♯5	Ghaval slap soft	<i>D</i> ♯8	MorocBngo HiHi opn
<i>E</i> 2	Tar slap open	<i>E</i> 5	Ghaval slap hard	<i>E</i> 8	MorocBngo HiLo opn
<i>F</i> 2	Tar grace slap	<i>F</i> 5	Ghaval edge	<i>F</i> 8	
<i>F</i> ♯2	Tar grace open	<i>F</i> ♯5	Ghaval edge closed	<i>F</i> ♯8	
<i>G</i> 2	Darabuka open	<i>G</i> 5	Ghaval shake	<i>G</i> 8	
<i>G</i> ♯2	Darabuka edge	<i>G</i> ♯5	Ghaval roll	<i>G</i> ♯8	
<i>A</i> 2	Darabuka slap	<i>A</i> 5	Ghaval grace open	<i>A</i> 8	
<i>A</i> ♯2	Darabuka roll	<i>A</i> ♯5	Doira shake	<i>A</i> ♯8	
<i>B</i> 2	Darabuka grc edge	<i>B</i> 5	Doira open soft	<i>B</i> 8	

Table 21: Battery 3/Percussion Kits/World Music Kit (28.14 Mb)

<i>C</i> 1	Frame drum 1	<i>C</i> 2	Sansa 1	<i>C</i> 3	Shaker African 1
<i>C</i> ♯1	Frame drum 2	<i>C</i> ♯2	Sansa 2	<i>C</i> ♯3	Shaker African 2
<i>D</i> 1	Djembe big soft	<i>D</i> 2	Sansa 3	<i>D</i> 3	Shaker African long
<i>D</i> ♯1	Djembe big medium	<i>D</i> ♯2	Sansa 4	<i>D</i> ♯3	Gourd 1
<i>E</i> 1	Djembe big hard	<i>E</i> 2	Sansa 5	<i>E</i> 3	Gourd 2
<i>F</i> 1	Djembe small 1	<i>F</i> 2	Sansa 6	<i>F</i> 3	Gourd 3
<i>F</i> ♯1	Djembe small 2	<i>F</i> ♯2	Sansa 7	<i>F</i> ♯3	Java drum 1
<i>G</i> 1	Banana wood 1	<i>G</i> 2	Sansa 8	<i>G</i> 3	Java drum 2
<i>G</i> ♯1	Banana wood 2	<i>G</i> ♯2	Sansa 9	<i>G</i> ♯3	Udu 1
<i>A</i> 1	Bowl drum	<i>A</i> 2	Sansa 10	<i>A</i> 3	Udu 2
<i>A</i> ♯1	Berimbau 1	<i>A</i> ♯2	Sansa 11	<i>A</i> ♯3	Cowbell 1
<i>B</i> 1	Berimbau 2	<i>B</i> 2	Sansa 12	<i>B</i> 3	Cowbell 2

Table 22: Battery 3/Percussion Kits/North Indian Kit (78.29 Mb)

<i>C</i> 1	Tabla lo open	<i>C</i> 3	Kanjara open	<i>C</i> 5	Elephant bell lo roll
<i>C</i> ♯1	Tabla lo closed	<i>C</i> ♯3	Kanjara closed	<i>C</i> ♯5	Elephant bell mid roll
<i>D</i> 1	Tabla lo bend slow	<i>D</i> 3	Kanjara open hi	<i>D</i> 5	Elephant bell mid
<i>D</i> ♯1	Tabla group open	<i>D</i> ♯3	Kanjara roll	<i>D</i> ♯5	Elephant bell hi roll
<i>E</i> 1	Tabla bend fast	<i>E</i> 3	Kanjara bend slw	<i>E</i> 5	Elephant bell hi
<i>F</i> 1	Tabla hi open	<i>F</i> 3	Kanjara bend fst	<i>F</i> 5	Camel bell open
<i>F</i> ♯1	Tabla grp midlo	<i>F</i> ♯3	Dohlok lo cls	<i>F</i> ♯5	Camel bell closed
<i>G</i> 1	Tabla hi mid	<i>G</i> 3	Dohlok lo opn	<i>G</i> 5	Camel bell roll
<i>G</i> ♯1	Tabla grp edge opn	<i>G</i> ♯3	Dohlok hi cls	<i>G</i> ♯5	Ankle bells 1 roll
<i>A</i> 1	Tabla hi open	<i>A</i> 3	Dohlok hi open	<i>A</i> 5	Ankle bells 1
<i>A</i> ♯1	Tabla grp closed open	<i>A</i> ♯3	Dohlok hi edge	<i>A</i> ♯5	Ankle bells 2 roll
<i>B</i> 1	Tabla hi closed	<i>B</i> 3	Ghatom bass	<i>B</i> 5	Ankle bells 2
<i>C</i> 2	Tabla hi ruff	<i>C</i> 4	Ghatom heel	<i>C</i> 6	
<i>C</i> ♯2	Pakawaj lo cls	<i>C</i> ♯4	Ghatom finger	<i>C</i> ♯6	
<i>D</i> 2	Pakawaj lo open	<i>D</i> 4	Ghatom thumb	<i>D</i> 6	
<i>D</i> ♯2	Pakawaj hi cls	<i>D</i> ♯4	Tohla cym lg cls	<i>D</i> ♯6	
<i>E</i> 2	Pakawaj hi open	<i>E</i> 4	Tohla cym lg opn	<i>E</i> 6	
<i>F</i> 2	Pakawaj hi mid	<i>F</i> 4	Tohla cym sm opn	<i>F</i> 6	
<i>F</i> ♯2	Pakawaj hi edge	<i>F</i> ♯4	Tohla cym sm cls	<i>F</i> ♯6	
<i>G</i> 2	Edaka lo open	<i>G</i> 4	Zill open	<i>G</i> 6	
<i>G</i> ♯2	Edaka edge	<i>G</i> ♯4	Zill closed	<i>G</i> ♯6	
<i>A</i> 2	Edaka mid open	<i>A</i> 4	Zill 2 open	<i>A</i> 6	
<i>A</i> ♯2	Edaka bend	<i>A</i> ♯4	Zill 2 closed	<i>A</i> ♯6	
<i>B</i> 2	Edaka hi open	<i>B</i> 4	Elephant bell lo	<i>B</i> 6	

Table 23: Battery 3/Percussion Kits/West African Bells and Shakers (45.73 Mb)

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<i>C</i> 1	Ewe bombshell open	<i>C</i> 2	Toke small open	<span style="border: 1px solid black; padding: 0 2px;"><i>C</i>3</span>	Caxixi 1
<i>C</i> ♯1	Ewe bombshell edge	<i>C</i> ♯2	Toke small closed	<i>C</i> ♯3	Caxixi double
<i>D</i> 1	Ewe large cowbell open	<i>D</i> 2	Deer hooves open	<i>D</i> 3	Caxixi 2
<i>D</i> ♯1	Ewe large cowbell edge	<i>D</i> ♯2	Deer hooves roll	<i>D</i> ♯3	Caxixi roll
<i>E</i> 1	Ewe bell lo open	<i>E</i> 2	Deer antler bell shake	<i>E</i> 3	Y-Rattles 1
<i>F</i> 1	Ewe bell hi open	<i>F</i> 2	Deer antler bell roll	<i>F</i> 3	Y-Rattles 1&2
<i>F</i> ♯1	Ewe bell mute up	<i>F</i> ♯2	Deer antler roll	<i>F</i> ♯3	Y-Rattles roll
<i>G</i> 1	Ewe bell mute down	<i>G</i> 2	Deer antler shake	<i>G</i> 3	
<i>G</i> ♯1	Toke large closed	<i>G</i> ♯2	Deer hoof roll	<i>G</i> ♯3	
<i>A</i> 1	Toke large open	<i>A</i> 2	Deer hoof shake	<i>A</i> 3	
<i>A</i> ♯1	Toke medium closed	<i>A</i> ♯2	Clack clack up	<i>A</i> ♯3	
<i>B</i> 1	Toke medium open	<i>B</i> 2	Clack clack down	<i>B</i> 3	

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Table 24: Battery 3/Percussion Kits/West African Drums (154.50 Mb)

<i>C</i> -1		<i>C</i> 2	Djembe slap closed	<i>C</i> 5	Bata hi closed
<i>C</i> ♯-1		<i>C</i> ♯2	Djembe Ksing bass	<i>C</i> ♯5	Bata hi slap
<i>D</i> -1		<i>D</i> 2	Djembe Ksing slap cls	<i>D</i> 5	Kidi mute bass
<i>D</i> ♯-1		<i>D</i> ♯2	Djembe Ksing op L	<i>D</i> ♯5	Kidi hand open
<i>E</i> -1		<i>E</i> 2	Djembe Ksing op R	<i>E</i> 5	Kidi stk open lo
<i>F</i> -1		<i>F</i> 2	Djembe Ksing slap L	<i>F</i> 5	Kidi mute open
<i>F</i> ♯-1		<i>F</i> ♯2	Djembe Ksing grace	<i>F</i> ♯5	Kidi stk open hi
<i>G</i> -1		<i>G</i> 2	Djembe Ksing slap R	<i>G</i> 5	Kidi shell
<i>G</i> ♯-1		<i>G</i> ♯2	Shekere bass	<i>G</i> ♯5	Kidi slap closed
<i>A</i> -1		<i>A</i> 2	Shekere shake	<i>A</i> 5	Kidi stick closed
<i>A</i> ♯-1		<i>A</i> ♯2	Kroboto hand open	<i>A</i> ♯5	Kidi stick edge
<i>B</i> -1		<i>B</i> 2	Kroboto stick open	<i>B</i> 5	Sabir hand open
<i>C</i> 0	FonTom from 5ft bass	<span style="border: 1px solid black; padding: 2px;"><i>C</i>3</span>	Kroboto shell	<i>C</i> 6	Sabir stick closed
<i>C</i> ♯0	FonT fr 5ft hand cls	<i>C</i> ♯3	Kroboto slap closed	<i>C</i> ♯6	Sabir slap open
<i>D</i> 0	FonT fr 5ft hand opn	<i>D</i> 3	Kroboto stick closed	<i>D</i> 6	Sabir edge
<i>D</i> ♯0	FonT fr 5ft shell	<i>D</i> ♯3	Kroboto stick mute	<i>D</i> ♯6	Sabir stick open
<i>E</i> 0	FonT fr 5ft stick	<i>E</i> 3	Talking drum lo	<i>E</i> 6	Sabir open cls-hand
<i>F</i> 0	FonT fr 5ft stk cls	<i>F</i> 3	Talking dr bend up	<i>F</i> 6	Sabir open slap
<i>F</i> ♯0	FonT fr 5ft stk mute	<i>F</i> ♯3	Talking dr med	<i>F</i> ♯6	Sabir flam open
<i>G</i> 0	Brekete open	<i>G</i> 3	Talking dr bend dwn	<i>G</i> 6	Sabir roll
<i>G</i> ♯0	Brekete closed	<i>G</i> ♯3	Talking dr hi	<i>G</i> ♯6	Sakara large open
<i>A</i> 0	DjunDjun open	<i>A</i> 3	Talk dr bnd up+dwn	<i>A</i> 6	Sakara lrg edge cls
<i>A</i> ♯0	DjunDjun stick edge	<i>A</i> ♯3	Boba mute bass	<i>A</i> ♯6	Sakara lrg closed
<i>B</i> 0	DjunDjun closed	<i>B</i> 3	Boba hand open	<i>B</i> 6	Sakara lrg edge op
<i>C</i> 1	Ceremony drum bass	<i>C</i> 4	Boba slap closed	<i>C</i> 7	Sakara lrg rough
<i>C</i> ♯1	Cerem dr stk op	<i>C</i> ♯4	Boba slap open	<i>C</i> ♯7	Sakara small open
<i>D</i> 1	Cerem dr hand op	<i>D</i> 4	Boba shell	<i>D</i> 7	Sakara sml closed
<i>D</i> ♯1	Cerem dr shell stk	<i>D</i> ♯4	Boba stick open lo	<i>D</i> ♯7	Sakara sml edge cls
<i>E</i> 1	Cerem dr stk cls	<i>E</i> 4	Boba stick open hi	<i>E</i> 7	Sakara sml rough
<i>F</i> 1	Cerem dr stk mute	<i>F</i> 4	Boba stick closed	<i>F</i> 7	
<i>F</i> ♯1	Djembe bass	<i>F</i> ♯4	Boba mute open	<i>F</i> ♯7	
<i>G</i> 1	Djembe slap left	<i>G</i> 4	Boba stick mute	<i>G</i> 7	
<i>G</i> ♯1	Djembe open left	<i>G</i> ♯4	Bata lo open	<i>G</i> ♯7	
<i>A</i> 1	Djembe slap right	<i>A</i> 4	Bata lo closed	<i>A</i> 7	
<i>A</i> ♯1	Djembe open right	<i>A</i> ♯4	Bata lo slap	<i>A</i> ♯7	
<i>B</i> 1	Djembe grace	<i>B</i> 4	Bata hi open	<i>B</i> 7	

## 4 Drums and percussion (Part 2)

In the tables on the following pages find MIDI keyboard (note) to sound mapping for the Apple Logic EXS24 Sampler instrument libraries.

Table 25: EXS24/JamPack Symphony Orchestra/Drums/Orchestral Percussion

<i>C</i> -1		<i>C</i> 2	Bass drum hi	<i>C</i> 5	Metal Bell down
<i>C</i> ♯-1		<i>C</i> ♯2	Cymbal pair	<i>C</i> ♯5	Castanet shake
<i>D</i> -1		<i>D</i> 2	Tom hi	<i>D</i> 5	Castanet L
<i>D</i> ♯-1		<i>D</i> ♯2	Sleigh bell lo	<i>D</i> ♯5	Castanet R
<i>E</i> -1		<i>E</i> 2	Sleigh bell hi	<i>E</i> 5	Drum open flam lo
<i>F</i> -1		<i>F</i> 2	Tambourine shake	<i>F</i> 5	Drum open lo L
<i>F</i> ♯-1		<i>F</i> ♯2	Tambourine	<i>F</i> ♯5	Drum open lo R
<i>G</i> -1		<i>G</i> 2	Tam-tam	<i>G</i> 5	Drum open flam mid
<i>G</i> ♯-1		<i>G</i> ♯2	Tam-tam roll	<i>G</i> ♯5	Drum open mid L
<i>A</i> -1	Bass drum?	<i>A</i> 2	Tam-tam scratch	<i>A</i> 5	Drum open mid R
<i>A</i> ♯-1	Bass drum L	<i>A</i> ♯2	Ratchet long	<i>A</i> ♯5	Drum open hi L
<i>B</i> -1	Drum?	<i>B</i> 2	Ratchet short	<i>B</i> 5	Drum open hi R
<i>C</i> 0	Bass drum mute	<span style="border: 1px solid black; padding: 2px;"><i>C</i>3</span>	Temple block llo	<i>C</i> 6	Drum closed flam hi
<i>C</i> ♯0	Bass drum	<i>C</i> ♯3	Temple block lo	<i>C</i> ♯6	Drum closed hi L
<i>D</i> 0	Bass drum open lo	<i>D</i> 3	Temple block mid	<i>D</i> 6	Drum closed hi R
<i>D</i> ♯0	Bass drum open hi	<i>D</i> ♯3	Temple block hi	<i>D</i> ♯6	Drum closed flam hi
<i>E</i> 0	Rim click hi	<i>E</i> 3	Temple block hhi	<i>E</i> 6	Drum closed hi L
<i>F</i> 0	Rim click lo	<i>F</i> 3	Bar chimes up	<i>F</i> 6	Drum closed hi R
<i>F</i> ♯0	Tom L	<i>F</i> ♯3	Bar chimes down	<i>F</i> ♯6	Metal closed
<i>G</i> 0	Tom R	<i>G</i> 3	Bar chimes up	<i>G</i> 6	Metal rim
<i>G</i> ♯0	Cymbal crash	<i>G</i> ♯3	Bar chimes down	<i>G</i> ♯6	Cymb on drum
<i>A</i> 0	Snare drum roll	<i>A</i> 3	Gong lo	<i>A</i> 6	
<i>A</i> ♯0	Cymbal Chinese	<i>A</i> ♯3	Gong roll cresc	<i>A</i> ♯6	
<i>B</i> 0	Bass drum open	<i>B</i> 3	Gong hi	<i>B</i> 6	
<i>C</i> 1	Bass drum open	<i>C</i> 4	Gong hi roll cresc	<i>C</i> 7	
<i>C</i> ♯1	Snare drum lo	<i>C</i> ♯4	Guiro long	<i>C</i> ♯7	
<i>D</i> 1	Snare drum hi	<i>D</i> 4	Guiro short	<i>D</i> 7	
<i>D</i> ♯1	Snare drum off lo	<i>D</i> ♯4	Claves	<i>D</i> ♯7	
<i>E</i> 1	Snare drum off hi	<i>E</i> 4	Drum wood?	<i>E</i> 7	
<i>F</i> 1	Tom lo	<i>F</i> 4	Metal?	<i>F</i> 7	
<i>F</i> ♯1	Cymbal suspended	<i>F</i> ♯4	Whip?	<i>F</i> ♯7	
<i>G</i> 1	Tom mid	<i>G</i> 4	Triangle roll	<i>G</i> 7	
<i>G</i> ♯1	Cymbal susp roll	<i>G</i> ♯4	Triangle mute	<i>G</i> ♯7	
<i>A</i> 1	Tom hi	<i>A</i> 4	Triangle open	<i>A</i> 7	
<i>A</i> ♯1	Cymbal susp roll cresc	<i>A</i> ♯4	Shaker	<i>A</i> ♯7	
<i>B</i> 1	Bass drum lo	<i>B</i> 4	Metal bell up?	<i>B</i> 7	

Table 26: EXS24/08 Drums &amp; Percussion/Acoustic Drums/Studio Heavy Kit

<i>C</i> -1	Bass drum	<i>C</i> 2	Tom hi L	<i>C</i> 5	Bar chimes
<i>C</i> #-1	Rim click	<i>C</i> #2	Cymbal crash	<i>C</i> #5	Metal plate
<i>D</i> -1	Snare drum	<i>D</i> 2	Tom hi R	<i>D</i> 5	Field drum lo
<i>D</i> #-1	Snare drum flam	<i>D</i> #2	Cymbal ride	<i>D</i> #5	Cymbal scratch
<i>E</i> -1	Snare drum bounce	<i>E</i> 2	Cymbal crash	<i>E</i> 5	Berimbau
<i>F</i> -1	Tom lo L	<i>F</i> 2	Cymbal ride bell	<i>F</i> 5	Indian drum
<i>F</i> #-1	Hihat closed	<i>F</i> #2	Metal click	<i>F</i> #5	Metal plate mute
<i>G</i> -1	Tom lo R	<i>G</i> 2	Cymbal Chinese	<i>G</i> 5	Wood click lo
<i>G</i> #-1	Hihat pedal	<i>G</i> #2	Cow bell open	<i>G</i> #5	Wood clicck hi
<i>A</i> -1	Tom mid L	<i>A</i> 2	Cymbal crash	<i>A</i> 5	Tabla edge
<i>A</i> #-1	Hihat open	<i>A</i> #2	Jaw bone rattle	<i>A</i> #5	Tabla mute
<i>B</i> -1	Tom mid R	<i>B</i> 2	Cymbal ride	<i>B</i> 5	Tabla centre
<i>C</i> 0	Tom hi L	<span style="border: 1px solid black; padding: 2px;"><i>C</i>3</span>	Bongo hi	<i>C</i> 6	Hand drum lo
<i>C</i> #0	Snare drum drag L	<i>C</i> #3	Bongo lo	<i>C</i> #6	
<i>D</i> 0	Tom hi R	<i>D</i> 3	Conga mute	<i>D</i> 6	
<i>D</i> #0	Snare drum drag R	<i>D</i> #3	Conga hi	<i>D</i> #6	
<i>E</i> 0	Snare drum L	<i>E</i> 3	Conga lo	<i>E</i> 6	
<i>F</i> 0	Snare drum R	<i>F</i> 3	Timbales hi	<i>F</i> 6	
<i>F</i> #0	Cymbal crash L	<i>F</i> #3	Timbales lo	<i>F</i> #6	
<i>G</i> 0	Snare drum flam L	<i>G</i> 3	Woodblocks hi	<i>G</i> 6	
<i>G</i> #0	Cymbal crash R	<i>G</i> #3	Woodblocks lo	<i>G</i> #6	
<i>A</i> 0	Snare drum flam R	<i>A</i> 3	Shaker mute	<i>A</i> 6	
<i>A</i> #0	Hihat pedal	<i>A</i> #3	Shaker dry	<i>A</i> #6	
<i>B</i> 0	Bass drum	<i>B</i> 3	Agogo bell hi	<i>B</i> 6	
<i>C</i> 1	Bass drum	<i>C</i> 4	Agogo bell lo	<i>C</i> 7	
<i>C</i> #1	Rim click	<i>C</i> #4	Guiro hi	<i>C</i> #7	
<i>D</i> 1	Snare drum L	<i>D</i> 4	Guiro lo	<i>D</i> 7	
<i>D</i> #1	Snare drum flam	<i>D</i> #4	Wood (claves)	<i>D</i> #7	
<i>E</i> 1	Snare drum R	<i>E</i> 4	Temple blocks hi	<i>E</i> 7	
<i>F</i> 1	Tom lo L	<i>F</i> 4	Temple blocks lo	<i>F</i> 7	
<i>F</i> #1	Hihat closed	<i>F</i> #4	Drum bend hi	<i>F</i> #7	
<i>G</i> 1	Tom lo R	<i>G</i> 4	Drum bend lo	<i>G</i> 7	
<i>G</i> #1	Hihat pedal	<i>G</i> #4	Triangle mute	<i>G</i> #7	
<i>A</i> 1	Tom mid L	<i>A</i> 4	Triangle open	<i>A</i> 7	
<i>A</i> #1	Hihat open	<i>A</i> #4	Rattle short	<i>A</i> #7	
<i>B</i> 1	Tom mid R	<i>B</i> 4	Rattle long	<i>B</i> -2	Bass drum closed

Table 27: EXS24/08 Drums &amp; Percussion/Acoustic Drums/Studio Brush Kit

<i>C</i> -2		<i>C</i> 1	Bass drum	<i>C</i> 4	Bell high
<i>C</i> ♯-2		<i>C</i> ♯1	Sn stir long ld	<i>C</i> ♯4	Guiro long
<i>D</i> -2		<i>D</i> 1	Snare hit L	<i>D</i> 4	Guiro short
<i>D</i> ♯-1		<i>D</i> ♯1	Snare hit	<i>D</i> ♯4	Claves
<i>E</i> -2		<i>E</i> 1	Snare hit R	<i>E</i> 4	Drum hi
<i>F</i> -2		<i>F</i> 1	Tom lo rev L	<i>F</i> 4	Drum lo
<i>F</i> ♯-2		<i>F</i> ♯1	Hihat open	<i>F</i> ♯4	Metal hi
<i>G</i> -2		<i>G</i> 1	Tom lo rev R rev	<i>G</i> 4	Metal lo
<i>G</i> ♯-1		<i>G</i> ♯1	Hihat pedal	<i>G</i> ♯4	Finger cym cl
<i>A</i> -2		<i>A</i> 1	Tom mid rev L	<i>A</i> 4	Finger cym op
<i>A</i> ♯-1	Snare rim lo	<i>A</i> ♯1	Hihat open	<i>A</i> ♯4	Maracas
<i>B</i> -2	Bass drum	<i>B</i> 1	Tom mid rev R	<i>B</i> 5	Bell rattle
<i>C</i> -1	Bass drum closed	<i>C</i> 2	Tom hi rev L	<i>C</i> 6	Bar chimes wd
<i>C</i> ♯-1	Snare rim hi	<i>C</i> ♯2	Crash cymbal	<i>C</i> ♯5	Conga hi
<i>D</i> -1	Snare drum L	<i>D</i> 2	Tom hi rev R	<i>D</i> 5	Conga lo
<i>D</i> ♯-1	Snare drum flam	<i>D</i> ♯2	Ride cymbal	<i>D</i> ♯5	Cuica
<i>E</i> -1	Snare drum R	<i>E</i> 2	Splash cymbal	<i>E</i> 5	Tabla lo
<i>F</i> -1	Tom low L	<i>F</i> 2	Ride bell	<i>F</i> 5	Tabla bend
<i>F</i> ♯-1	Hihat closed	<i>F</i> ♯2	Tambourine	<i>F</i> ♯5	Tabla slap cl
<i>G</i> -1	Tom low R	<i>G</i> 2	China cymbal L	<i>G</i> 5	Tabla shake ji
<i>G</i> ♯-1	Hihat pedal	<i>G</i> ♯2	Cowbell	<i>G</i> ♯5	Tabla slap op
<i>A</i> -1	Tom mid L	<i>A</i> 2	China cymbal R	<i>A</i> 5	Tabla shake lo
<i>A</i> ♯-1	Hihat open	<i>A</i> ♯2	Rattle	<i>A</i> ♯5	Drum lo
<i>B</i> -1	Tom mid R	<i>B</i> 2	Ride cymbal	<i>B</i> 5	Castanet lo
<i>C</i> 0	Tom hi L	<span style="border: 1px solid black; padding: 2px;"><i>C</i>3</span>	Bongo hi	<i>C</i> 6	Castanet hi
<i>C</i> ♯0	Snare stir soft	<i>C</i> ♯3	Bongo lo	<i>C</i> ♯6	
<i>D</i> 0	Tom hi R	<i>D</i> 3	Conga slap	<i>D</i> 6	
<i>D</i> ♯0	Sn stir long sft	<i>D</i> ♯3	Conga hi	<i>D</i> ♯6	
<i>E</i> 0	Snare hit	<i>E</i> 3	Conga lo	<i>E</i> 6	
<i>F</i> 0	Snare hit	<i>F</i> 3	Wood block hi	<i>F</i> 6	
<i>F</i> ♯0	Hihat op rev	<i>F</i> ♯3	Wood block lo	<i>F</i> ♯6	
<i>G</i> 0	Snare drag	<i>G</i> 3	Agogo bell hi	<i>G</i> 6	
<i>G</i> ♯0	Hihat ped rev	<i>G</i> ♯3	Agogo bell lo	<i>G</i> ♯6	
<i>A</i> 0	Snare flam	<i>A</i> 3	Cabasa	<i>A</i> 6	
<i>A</i> ♯0	Hihat cl rev	<i>A</i> ♯3	Shaker	<i>A</i> ♯6	
<i>B</i> 0	Bass drum	<i>B</i> 3	Bell low	<i>B</i> 6	

Table 28: EXS24/10 World/7 South American/Latin Kit

<i>C</i> -1		<i>C</i> 2	Latin Roto Tom B	<i>C</i> 5	Pandeiro open
<i>C</i> ♯-1		<i>C</i> ♯2	Large Recko op A	<i>C</i> ♯5	Pandeiro slap
<i>D</i> -1		<i>D</i> 2	Latin Roto Tom A	<i>D</i> 5	Large Surdo mute
<i>D</i> ♯-1		<i>D</i> ♯2	Flextone	<i>D</i> ♯5	Large Surdo open
<i>E</i> -1		<i>E</i> 2	Tambourine shake	<i>E</i> 5	Rebolo open
<i>F</i> -1		<i>F</i> 2	Flextone up	<i>F</i> 5	Rebolo st hand left
<i>F</i> ♯-1		<i>F</i> ♯2	Tambourine	<i>F</i> ♯5	Rebolo mute
<i>G</i> -1		<i>G</i> 2	Flextone down	<i>G</i> 5	Large Cajon bass mute
<i>G</i> ♯-1		<i>G</i> ♯2	Cowbell	<i>G</i> ♯5	Large Cajon mute slap
<i>A</i> -1		<i>A</i> 2	Large Recko op vib	<i>A</i> 5	Sml Berimbau buzz str
<i>A</i> ♯-1		<i>A</i> ♯2	Vibraslap	<i>A</i> ♯5	Lrg Berimbau buzz str
<i>B</i> -1		<i>B</i> 2	Small Recko op vib	<i>B</i> 5	Lrg Berimbau hi open
<i>C</i> 0	Repique De Mao m	<span style="border: 1px solid black; padding: 2px;"><i>C</i>3</span>	Bongo hi	<i>C</i> 6	Lrg Berimbau lo op vib
<i>C</i> ♯0	Repique De Mao hi	<i>C</i> ♯3	Bongo lo	<i>C</i> ♯6	Sml Berimbau hi open
<i>D</i> 0	Repique De Mao op	<i>D</i> 3	Low Conga m sl hi	<i>D</i> 6	Sml Berimbau lo open
<i>D</i> ♯0	Repique hi edge	<i>D</i> ♯3	Low Conga op hi	<i>D</i> ♯6	Sml Berimbau lo op vib
<i>E</i> 0	Repique st open	<i>E</i> 3	Afro Conga open	<i>E</i> 6	
<i>F</i> 0	Repique open H	<i>F</i> 3	Timbale open hi	<i>F</i> 6	
<i>F</i> ♯0	Zabumba stick	<i>F</i> ♯3	Timbale opn lo/m	<i>F</i> ♯6	
<i>G</i> 0	Zabumba mute	<i>G</i> 3	Agogo hi	<i>G</i> 6	
<i>G</i> ♯0	Zabumba open	<i>G</i> ♯3	Agogo low	<i>G</i> ♯6	
<i>A</i> 0	Small Surdo open	<i>A</i> 3	Cabasa	<i>A</i> 6	
<i>A</i> ♯0	Small Surdo mute	<i>A</i> ♯3	Maracas	<i>A</i> ♯6	
<i>B</i> 0	Snare Cajon bass m	<i>B</i> 3	Brazil. Whistle hi	<i>B</i> 6	
<i>C</i> 1	Snare Cajon bass O	<i>C</i> 4	Brazil. Whistle lo	<i>C</i> 7	
<i>C</i> ♯1	Repique De Mao S	<i>C</i> ♯4	Guiro short	<i>C</i> ♯7	
<i>D</i> 1	Snare Cajon slap	<i>D</i> 4	Guiro long	<i>D</i> 7	
<i>D</i> ♯1	Repinique rim open	<i>D</i> ♯4	Claves	<i>D</i> ♯7	
<i>E</i> 1	Snare Cajon mute	<i>E</i> 4	Afro Lat Wdbl hi	<i>E</i> 7	
<i>F</i> 1	Latin Roto Tom F	<i>F</i> 4	Afro Lat Wdbl lo	<i>F</i> 7	
<i>F</i> ♯1	Latin Hi Hat mu	<i>F</i> ♯4	Cuica hi	<i>F</i> ♯7	
<i>G</i> 1	Latin Roto Tom E	<i>G</i> 4	Cuica lo	<i>G</i> 7	
<i>G</i> ♯1	Latin Hi Hat ped	<i>G</i> ♯4	Triangle mute	<i>G</i> ♯7	
<i>A</i> 1	Latin Roto Tom D	<i>A</i> 4	Triangle open	<i>A</i> 7	
<i>A</i> ♯1	Latin Hi Hat open	<i>A</i> ♯4	Med Caxixi dn/up	<i>A</i> ♯7	
<i>B</i> 1	Latin Roto Tom C	<i>B</i> 4	Pandeiro heel	<i>B</i> 7	

Table 29: EXS24/10 World/01 African/African Kit

<i>C</i> -1	FronTonFrom blnk	<i>C</i> 2	Talking Drum hi B	<i>C</i> 5	Udu Slp R
<i>C</i> ♯-1	FronTonFrom op bas	<i>C</i> ♯2	Afr Metal Shak	<i>C</i> ♯5	Udu Opn 1
<i>D</i> -1	FronTonFrom op	<i>D</i> 2	Talking Drum hi C	<i>D</i> 5	Udu Opn 2
<i>D</i> ♯-1	FronTonFrom op hnd	<i>D</i> ♯2	Oghene	<i>D</i> ♯5	Afr Bombshell
<i>E</i> -1	FronTonFrom stk mt	<i>E</i> 2	Afr Met Shak roll	<i>E</i> 5	Log Drum lo
<i>F</i> -1	FronTonFrom stk	<i>F</i> 2	Oghene mute	<i>F</i> 5	Log Drum hi A
<i>F</i> ♯-1	FronTonFrom shl stk L	<i>F</i> ♯2	Afr Woodn Shak	<i>F</i> ♯5	
<i>G</i> -1	FronTonFrom shl st flm	<i>G</i> 2	Alo 2	<i>G</i> 5	Log Drum hi B
<i>G</i> ♯-1	Low Djembe op	<i>G</i> ♯2	Gankoqui 2 op	<i>G</i> ♯5	
<i>A</i> -1	Low Djembe cls	<i>A</i> 2	Alo 2 sidestk	<i>A</i> 5	Log Drum hi C
<i>A</i> ♯-1	Hi Djembe op	<i>A</i> ♯2	Gankoqui 2 mu	<i>A</i> ♯5	
<i>B</i> -1	Hi Djembe cls	<i>B</i> 2	Alo 1	<i>B</i> 5	
<i>C</i> 0	Berkete opn	<span style="border: 1px solid black; padding: 2px;"><i>C</i>3</span>	Afr Bngo hi	<i>C</i> 6	
<i>C</i> ♯0	Berkete cls	<i>C</i> ♯3	Afr Bngo lo	<i>C</i> ♯6	
<i>D</i> 0	Sabar prc bas	<i>D</i> 3	Afr Hi Cajon slp	<i>D</i> 6	
<i>D</i> ♯0	Sabar bas	<i>D</i> ♯3	Afr Hi Cajon op slp	<i>D</i> ♯6	
<i>E</i> 0	Sabar open	<i>E</i> 3	Afo Lo Cajon op	<i>E</i> 6	
<i>F</i> 0	Lo Djembe prc bas L	<i>F</i> 3	Sakara Hi opn	<i>F</i> 6	
<i>F</i> ♯0	Lo Djembe cls slp	<i>F</i> ♯3	Sakara Lo opn	<i>F</i> ♯6	
<i>G</i> 0	Lo Djembe op L	<i>G</i> 3	Gankoqui Hi opn	<i>G</i> 6	
<i>G</i> ♯0	Afro Cnga op L	<i>G</i> ♯3	Gankoqui Lo opn	<i>G</i> ♯6	
<i>A</i> 0	Hi Djembe opn R	<i>A</i> 3	Shekere 1	<i>A</i> 6	
<i>A</i> ♯0	Afro Cnga slap	<i>A</i> ♯3	Shekere 2	<i>A</i> ♯6	
<i>B</i> 0	Hi Djembe cl prc bas	<i>B</i> 3	Oghene 3 fx	<i>B</i> 6	
<i>C</i> 1	Hi Djembe prc bas L	<i>C</i> 4	Oghene 1 fx	<i>C</i> 7	
<i>C</i> ♯1	Hi Djembe cls 1	<i>C</i> ♯4	Ekpiri roll A	<i>C</i> ♯7	
<i>D</i> 1	Lo Djembe slp+grc	<i>D</i> 4	Ekpiri Roll B	<i>D</i> 7	
<i>D</i> ♯1	Afr Met Shaker	<i>D</i> ♯4	Sabar stk cls	<i>D</i> ♯7	
<i>E</i> 1	Hi Djembe slp+grc	<i>E</i> 4	Sabar opn hnd	<i>E</i> 7	
<i>F</i> 1	Talking Drum lo	<i>F</i> 4	Sabar stk opn	<i>F</i> 7	
<i>F</i> ♯1	Afr Hats Met Shak	<i>F</i> ♯4	Talk Dr bend dwn	<i>F</i> ♯7	
<i>G</i> 1	Talking Drum med	<i>G</i> 4	Talk Dr bend up	<i>G</i> 7	
<i>G</i> ♯1	Afr Hats Met Shak	<i>G</i> ♯4	Oghene 2 mt+op	<i>G</i> ♯7	
<i>A</i> 1	Talking Drum med-hi	<i>A</i> 4	Oghene 2 mt+op	<i>A</i> 7	
<i>A</i> ♯1	Afr Hats Met Shak	<i>A</i> ♯4	Afr Small Shak	<i>A</i> ♯7	
<i>B</i> 1	Talking Drum hi A	<i>B</i> 4	Udu Slp L	<i>B</i> 7	

Table 30: EXS24/10 World/07 South Asian/Indian &amp; Middle Eastern Kit

<i>C</i> -1		<i>C</i> 2	Hi Tom 2	<i>C</i> 5	Bell flam
<i>C</i> ♯-1		<i>C</i> ♯2	Bells ring	<i>C</i> ♯5	Lo Drum op
<i>D</i> -1		<i>D</i> 2	Hi Tom 1	<i>D</i> 5	Hi Drum op
<i>D</i> ♯-1		<i>D</i> ♯2	Ride 1	<i>D</i> ♯5	Lo Dr mt
<i>E</i> -1		<i>E</i> 2	Dr slp bend	<i>E</i> 5	Dr edge
<i>F</i> -1		<i>F</i> 2	Bell	<i>F</i> 5	Lo Dr bend
<i>F</i> ♯-1		<i>F</i> ♯2	Bell rng	<i>F</i> ♯5	Dr hi edge hnd
<i>G</i> -1		<i>G</i> 2	Splash	<i>G</i> 5	Dr lo edge hnd
<i>G</i> ♯-1		<i>G</i> ♯2	TamBell mt	<i>G</i> ♯5	Dr slap
<i>A</i> -1		<i>A</i> 2	TamBel op hi	<i>A</i> 5	Dr hi bend
<i>A</i> ♯-1		<i>A</i> ♯2	TamBel op mid	<i>A</i> ♯5	Bells shake
<i>B</i> -1		<i>B</i> 2	TamBel op lo	<i>B</i> 5	Dr bend
<i>C</i> 0	Tar Ind fng	<span style="border: 1px solid black;"><i>C</i>3</span>	Hi Bngo	<i>C</i> 6	Dr hi stk
<i>C</i> ♯0	Tar HR1	<i>C</i> ♯3	Lo Bngo	<i>C</i> ♯6	
<i>D</i> 0	Tar mt edge	<i>D</i> 3	Cnga hi mt	<i>D</i> 6	
<i>D</i> ♯0	Tar slap	<i>D</i> ♯3	Cnga hi op	<i>D</i> ♯6	
<i>E</i> 0	Tar edge	<i>E</i> 3	Cnga lo op	<i>E</i> 6	
<i>F</i> 0	Tar HR2	<i>F</i> 3	Hi Timb	<i>F</i> 6	
<i>F</i> ♯0	Tabla Bha fng	<i>F</i> ♯3	Lo Timb	<i>F</i> ♯6	
<i>G</i> 0	Tabla Bha sld2	<i>G</i> 3	DrumBel hi	<i>G</i> 6	
<i>G</i> ♯0	Tabla tet	<i>G</i> ♯3	DrumBel lo	<i>G</i> ♯6	
<i>A</i> 0	Tabla Bha ka	<i>A</i> 3	Shaker	<i>A</i> 6	
<i>A</i> ♯0	Tabla na	<i>A</i> ♯3	Whistle	<i>A</i> ♯6	
<i>B</i> 0	Kick 2	<i>B</i> 3	DrumBel 2	<i>B</i> 6	
<i>C</i> 1	Kick 1	<i>C</i> 4	DrumBel 3	<i>C</i> 7	
<i>C</i> ♯1	Rim Shot 1	<i>C</i> ♯4	Drum	<i>C</i> ♯7	
<i>D</i> 1	Snare 1	<i>D</i> 4	Drum ruff	<i>D</i> 7	
<i>D</i> ♯1	Clap 1	<i>D</i> ♯4	Drum	<i>D</i> ♯7	
<i>E</i> 1	Snare 2	<i>E</i> 4	Drum op lo	<i>E</i> 7	
<i>F</i> 1	Low Tom 2	<i>F</i> 4	Drum op lo-mid	<i>F</i> 7	
<i>F</i> ♯1	HiHats cls	<i>F</i> ♯4	Drum mid-hi	<i>F</i> ♯7	
<i>G</i> 1	Low Tom 1	<i>G</i> 4	Drum hi	<i>G</i> 7	
<i>G</i> ♯1	HiHats cls	<i>G</i> ♯4	Bells mute	<i>G</i> ♯7	
<i>A</i> 1	Mid Tom 2	<i>A</i> 4	Bells op	<i>A</i> 7	
<i>A</i> ♯1	HiHats opn	<i>A</i> ♯4	Dr wood hi	<i>A</i> ♯7	
<i>B</i> 1	Mid Tom 1	<i>B</i> 4	DrumBel lo	<i>B</i> 7	

Table 31: EXS24/10 World/02 Asian/Asian Kit

<i>C</i> -1		<i>C</i> 2	Tom hi 1	<i>C</i> 5	Cym sizzle roll
<i>C</i> ♯-1		<i>C</i> ♯2	Tamtam 1	<i>C</i> ♯5	Tamtam 2
<i>D</i> -1		<i>D</i> 2	Tom hi 2	<i>D</i> 5	Hand dr 1 mt
<i>D</i> ♯-1		<i>D</i> ♯2	Cym China	<i>D</i> ♯5	Tamtam 3
<i>E</i> -1		<i>E</i> 2	Gong lo	<i>E</i> 5	Hand dr 2 mt
<i>F</i> -1		<i>F</i> 2	Cym 2 bell	<i>F</i> 5	Hand dr 3 mt
<i>F</i> ♯-1		<i>F</i> ♯2	Cym shake	<i>F</i> ♯5	Hand dr 4 mt
<i>G</i> -1		<i>G</i> 2	Cym 2 op	<i>G</i> 5	Hand dr 5 mt
<i>G</i> ♯-1		<i>G</i> ♯2	Wdbl lo	<i>G</i> ♯5	Hand dr 6 mt
<i>A</i> -1		<i>A</i> 2	Cym crsh	<i>A</i> 5	Tamb ruff
<i>A</i> ♯-1		<i>A</i> ♯2	Cym Sizzle	<i>A</i> ♯5	Tamtam roll cr
<i>B</i> -1		<i>B</i> 2	Gong hi	<i>B</i> 5	Hand dr hi
<i>C</i> 0		<span style="border: 1px solid black; padding: 1px;"><i>C</i>3</span>	Hand dr hi cls	<i>C</i> 6	Gong C
<i>C</i> ♯0		<i>C</i> ♯3	Hand dr flam	<i>C</i> ♯6	Gong C♯
<i>D</i> 0		<i>D</i> 3	Hand dr cls	<i>D</i> 6	Gong D
<i>D</i> ♯0		<i>D</i> ♯3	Hand dr op	<i>D</i> ♯6	Gong D♯
<i>E</i> 0		<i>E</i> 3	Hand dr lo	<i>E</i> 6	Gong E
<i>F</i> 0		<i>F</i> 3	Hand dr cls	<i>F</i> 6	Gong F
<i>F</i> ♯0		<i>F</i> ♯3	Hand dr op	<i>F</i> ♯6	Gong F♯
<i>G</i> 0		<i>G</i> 3	Bell lo	<i>G</i> 6	Gong G
<i>G</i> ♯0		<i>G</i> ♯3	Bell hi	<i>G</i> ♯6	Gong G♯
<i>A</i> 0		<i>A</i> 3	Tamb cls	<i>A</i> 6	Gong A
<i>A</i> ♯0		<i>A</i> ♯3	Tamb op	<i>A</i> ♯6	Gong A♯
<i>B</i> 0	Drum Xlo op	<i>B</i> 3	Cym sml hi	<i>B</i> 6	Gong B
<i>C</i> 1	Drum Lo op	<i>C</i> 4	Cym sml mid	<i>C</i> 7	Gong C
<i>C</i> ♯1	Dr side stk	<i>C</i> ♯4	Wd rattle mi	<i>C</i> ♯7	
<i>D</i> 1	Drum hi op	<i>D</i> 4	Wd rattle lo	<i>D</i> 7	
<i>D</i> ♯1	Dr clap	<i>D</i> ♯4	Wd rattle hi	<i>D</i> ♯7	
<i>E</i> 1	Drum hi rim	<i>E</i> 4	Tmple blk hi	<i>E</i> 7	
<i>F</i> 1	Tom lo 1	<i>F</i> 4	Tmple blk lo	<i>F</i> 7	
<i>F</i> ♯1	Cym 1 cls	<i>F</i> ♯4	Gong 1	<i>F</i> ♯7	
<i>G</i> 1	Tom lo 2	<i>G</i> 4	Gong 2	<i>G</i> 7	
<i>G</i> ♯1	Cym 1 bend	<i>G</i> ♯4	Gong 3	<i>G</i> ♯7	
<i>A</i> 1	Tom mid 1	<i>A</i> 4	Gong 4	<i>A</i> 7	
<i>A</i> ♯1	Cym 1 xbend	<i>A</i> ♯4	Shaker	<i>A</i> ♯7	
<i>B</i> 1	Tom mid 2	<i>B</i> 4	Cym sizzle lo	<i>B</i> 7	

## 5 Concluding remarks

The tables on these pages have been compiled by inspecting the software user interface (detailed mapping information is missing from the software documentation). Therefore, they may contain errors.

The tables do not cover all the sound libraries and drum kits that are included in the software installation; the list is not exhaustive and may be extended in the future.