

Roland®

# ***E-60*** **MUSIC WORKSTATION**

# ***E-50*** **MUSIC WORKSTATION**



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# 1. Tone List

Piano – E. Piano	CC00	CC32	PC C1
P1 NaturalPiano	0	4	001
Piano+String	24	4	001
Vintage EP1	81	4	005 ✓
FM EPiano1	80	4	006 ✓
Wurly 1	84	4	005 ✓
Clav. 1	1	4	008
Harpsichord1	2	4	007
Vibraphone	0	4	012
Glockenspiel	0	4	010
Music Box 1	0	4	011
P2 SuperiorPian	47	4	001
Piano+Choir	26	4	001
Pro Stage1	47	4	005
FM EPiano2	81	4	006
Phase EP	44	4	005
Phase Clav	17	4	008
Harpsichord2	24	4	007
Pop Vibe.	1	4	012
Celesta	0	4	009
Music Box 2	1	4	011
P3 ClassicPiano	80	4	001
StackedPiano	47	4	003
Vintage EP2	82	4	005 ✓
MIDI EPiano1	1	4	003
FM+SA EP	16	4	005
JP8000 Clav.	38	4	008
Harpsi.w	16	4	007
Vibraphone w	8	4	012
Pop Celesta	1	4	009
Marimba	0	4	013
P4 Honky-tonk1	0	4	004
UprightPiano	1	4	001
Stage	80	4	005 ✓
MIDI EPiano2	2	4	003
St.FM EP	16	4	006
Reso Clav.	16	4	008
Coupled Hps.	8	4	007
Xylophone w	8	4	014
Carillon	9	4	015
Marimba w	8	4	013
P5 Honky-tonk 2	8	4	004
Brite Piano	46	4	001
Tremolo EP	46	4	005
EP Legend	10	4	006
Dist E.Piano	17	4	005
Clav. 2	24	4	008
Analog Clav.	32	4	008
Church Bell	8	4	015
Tubular-bell	0	4	015
Barafon 1	17	4	013
P6 Rock Piano	2	4	002
Dance Piano1	81	4	002 ✓
RD Piano 1	0	4	003
St.Soft EP	8	4	005
EP Heaven	44	4	089
Hard FM EP	24	4	006
EP Phase	32	4	006
E.Piano 1	0	4	005
E.Piano 2	1	4	006
Cho. E.Piano	9	4	005
P7 Mild Piano	2	4	001
MonoAcPiano	45	4	001
European Pf	16	4	001
RD Piano 1 w	8	4	003
Organ – Accordion	CC00	CC32	PC C1
P1 B3 Sermon	89	4	018 ✓
Blues Perc	80	4	018
Church Org.1	0	4	020
Organ Flute	24	4	020
Theater Org.	33	4	020

P1 Acc. Master	50	4	022
Acc. Classic	51	4	022
Bandoneon 1	50	4	024
Mellow Harm	50	4	023
Hand Harm.	51	4	023
P2 All Skate!	82	4	018 ✓
R&B B3	83	4	018 ✓
Church Org.2	8	4	020
Reed Organ	0	4	021
Head Up B3	80	4	017 ✓
Italian Folk	52	4	022
Fr. Musette	53	4	022
Bandoneon 2	51	4	024
B.Harp Basic	8	4	023
B.Harp Suppl	9	4	023
P3 HeavyTraffic	81	4	019 ✓
Organ 3	0	4	019
Church Org.3	16	4	020
Rotary Organ	8	4	019
L-Organ	47	4	019
Steirische	54	4	022
Accordion It	8	4	022
Bandoneon 3	52	4	024
Accordion Fr	0	4	022
Soft Accord	25	4	022
P4 Dyno Rotary	82	4	019 ✓
Hang Twice	85	4	018 ✓
Felix Ballad	84	4	018 ✓
XV Organ	84	4	019 ✓
B3 Has Come	88	4	018 ✓
Stevie's B3	82	4	017 ✓
Org Jazz1 /9	83	4	019 ✓
Organ 1	0	4	017
Rotary Org.S	16	4	019
Rotary Org.F	24	4	019
P5 Ful Organ 1	2	4	017
60's Organ 1	16	4	017
Jazz Organ 1	1	4	018
Perc.Organ 1	32	4	018
Rock Organ 1	17	4	019
Mellow 1	83	4	017 ✓
Cheese Organ	24	4	017
Jazz Org RD	81	4	018
Ful Organ 3	4	4	017
Jazz Organ 3	4	4	018
P6 Organ 2	0	4	018
Ful Organ 2	3	4	017
Jazz Organ 2	3	4	018
Perc.Organ 2	33	4	018
Chorus Or	8	4	018
D-50 Organ	25	4	017
VS Organ	28	4	017
Trem. Organ	8	4	017
E.Organ 16+2	2	4	018
Organ Bass	40	4	017
P7 Perc.Organ 3	34	4	018
Fire Perc	86	4	018 ✓
Organ 101	1	4	017
Br.Ballad B3	81	4	017 ✓
JX8 Organ	30	4	017
Ful Organ 4	10	4	017
Jazz Organ 4	5	4	018
Puff Organ	16	4	021
Hybrid Organ	27	4	017
Full Perc	87	4	018 ✓
P8 70's E.Organ	32	4	017
Farf Organ	19	4	017

Guitar – Bass	CC00	CC32	PC C1
P1 Nylon Gt. 1	64	4	025
Steel.Gt2	64	4	026
12 Strings	8	4	026
Clean Solid	69	4	028
Distortion	64	4	031
Clean Elect.	64	4	028
JC ChrusGt	55	4	028
Ulti Ac Bass	0	4	033
Fingered Bs1	0	4	034
RubberBass 2	16	4	040
P2 Nylon-Str.Gt	0	4	025
Steel.Gt4	69	4	026
2 Guitars	66	4	026
Warm Drive	65	4	030
Distort Gt1	3	4	031
Clean El Oct	65	4	028
JazzGuitar1	62	4	027
XV Ac.Bass	80	4	033 ✓
Picked Bass1	0	4	035
Nu Slap Bs	0	4	037
P3 Ac.Guitar1	48	4	026
Nyl+Steel1	67	4	026
MandolinTrem	18	4	026
Overdrive3	64	4	030
Dynamic Mute	66	4	028
Clean Mute	67	4	029
Jazz Guitar2	80	4	027 ✓
5String Bs	83	4	033 ✓
Fretless Bs1	0	4	036
Mute Bass	84	4	033 ✓
P4 Nylon Gt.2	32	4	025
Nylon+Steel	9	4	026
Banjo	0	4	106
Dist. Mute	64	4	029
Muted Over	68	4	029
Muted Gt.3	66	4	029
PedalSteel	50	4	027
XV Bass+Ride	81	4	033 ✓
Fingered Bs2	1	4	034
Drum'n'Bass	82	4	039 ✓
P5 Nylon Gt.o	16	4	025
Steel.Gt5	70	4	026 ✓
Mandolin Tr.	18	2	026
Distort Gt3	67	4	031
Muted Gt.2	65	4	029
TC MutedGt	50	4	029
Jazz Gt.	48	4	027
Picked Bass2	1	4	035
Finger Slap	7	4	034
Slap Pop	1	4	037
P6 Ac.Guitar2	49	4	026
Steel.Gt1	52	4	026
Muted Banjo	1	4	106
LP OverDrv	52	4	030
RockRhythm2	56	4	031
TC Clean	19	4	028
JGuitar Scat	81	4	027 ✓
Picked Bass3	2	4	035
Jazz Bass 1	2	4	034
Synth Bass 2	0	4	040
P7 Steel.Gt3	65	4	026
RequintGt.2	52	4	025
Mandolin	16	4	026
Power Gt.2	65	4	031
RockRhythm1	55	4	031
Clean Gt.	48	4	028
JC CleanGt	52	4	028
Picked Bass4	3	4	035
Slap Bass 1	0	4	038
Bass Invader	80	4	040 ✓

P8 Nylon Harp	2	4	100
SteelGuit.2	32	4	026
Atmosphere	0	4	100
Power Gt.3	66	4	031
Dist Rtm GTR	26	4	031
Muted Gt.1	48	4	029
Mellow Gt.	49	4	027
Jazz Bass 2	3	4	034
Fretless Bs2	1	4	036
TB Saw Bass	81	4	039 ✓
P9 Ac.Guitar3	50	4	026
Nyl+Steel2	68	4	026
Ukulele	8	4	025
Distort Gt2	1	4	031
LP HalfDrv2	54	4	030
Mid Tone GTR	23	4	028
Clean Half	49	4	028
Rock Bass	4	4	034
Slap Bass 2	1	4	038
MG Bass	4	4	040
P10 Ac.Gtr.Hrm	51	4	026
Steel + Body	33	4	026
Fl.GtrRoll	51	4	025
OpenHard 1	50	4	028
LP RearAtk	61	4	028
TC Cln ff	58	4	028
Chorus Gt	54	4	028
Modular Bass	2	4	040
Seq Bass1	3	4	040
SynthBass201	1	4	040
P11 Steel-str.Gt	0	4	026
HollowReleas	4	4	100
Fl.Gtr 2	49	4	025
OpenHard2	51	4	028
TC RearPk	57	4	028
RubberBass 1	13	4	040
ulilelo V/ISw	84	4	040 ✓
VocoBass	83	4	040 ✓
Reso Slap	8	4	037
Raver Bass 1	81	4	040 ✓
P12 Requint Gt.1	40	4	025
Atk Steel Gt	10	4	026
Fl.Gtr 1	48	4	025
Velo Harmnix	24	4	025
Gt.FretNoise	0	4	121
Guitaron	48	4	033
Raver Bass 2	82	4	040 ✓
MG Blip Bs:	7	4	040
SH101 Bass 1	17	4	040
JP-8 Bass	4	4	039
P13 Overdrv Gt	48	4	030
Overdrive1	49	4	030
AtkCleanGt	53	4	028
Funk Pop	51	4	029
LP Rear	60	4	028
Chung Ruan	24	4	028
WireStr Bass	11	4	040
MG Oct Bass2	6	4	040
SH101 Bass 2	18	4	040
Smooth Bass	19	4	040
P14 Overdrive2	50	4	030
More Drive	51	4	030
Dist. Gt	48	4	031
Dazed Gtr	49	4	031
Attack Dist	5	4	031
AcBass 55	45	4	033
AcBass 88Pro	46	4	033
AcBass 88	47	4	033
SH101 Bass 3	20	4	040
RND Bass	26	4	040

P15LP Rear Pk	59	4	028
LP HalfDrv	53	4	030
LP Chorus	55	4	030
Power Gt.1	52	4	031
Dist.Fast :	4	4	031
Rockabilly	50	4	033
AcousticBs	49	4	033
Bubble Bass	28	4	040
Sync Bass1	24	4	040
Spike Bass	21	4	040
P16TCFrntPick	56	4	028
Funk Gt.	52	4	029
Sync Bass 2	30	4	040
Gt.Feedback2	9	4	032
Gt.Feedback1	50	4	031
Pulse Mix Bs	31	4	040
Seq Bass 2	33	4	040
3rd Bass	34	4	040
MG Oct Bass1	35	4	040
Mild Bass	37	4	040
P17Gt.Harmonics	0	4	032
Ac.Gt.Harmnx	16	4	032
Gt.Cut Noise	1	4	121
101 Bass	47	4	040
TeaBee V/Sw	80	4	039 ✓
MG LightBass	39	4	040
DistSynBass	40	4	040
DistEnvBass	38	4	040
LightSynBass	45	4	040
PopSynthBass	46	4	040
P18Odd Bass	15	4	040
303Sqr.Rev	43	4	039
X Wire Bass	10	4	040
Wood+FlessBs	8	4	036
Fretless Bs4	3	4	036
Bassic Needs	83	4	039 ✓
Heart Bass	5	4	034
Fretless Bs3	2	4	036
Beef FM Bass	8	4	040
Muted PickBs	8	4	035
P19Double Pick	4	4	035
Mr.Smooth	5	4	036
String Slap	2	4	121
CS Bass	2	4	039
Tekno Bass	10	4	039
Pick Scrape	6	4	121
E.Bass Harm.	24	4	032
SynthBass101	1	4	039
Synth Bass 1	0	4	039
JP-4 Bass	3	4	039
P20Reso SH Bass	16	4	039
Rubber303 Bs	14	4	039
TB303 Bass	9	4	039
Wild Ac.Bs	51	4	033
Baby Bass	48	4	034
TB303 DistBs	18	4	039
TB303 Sqr Bs	17	4	039
Clavi Bass	19	4	039
Jungle Bass	21	4	039
Square Bass	22	4	039
P21AttackFinger	6	4	034
Arpeggio Bs	24	4	039
AtkSineBass	34	4	039
OB sine Bass	35	4	039
303SqDistBs	41	4	039
Echo SynBass	7	4	103
Bass Slide1	5	4	121
Bass Slide2	47	4	121
DoubleSlide	48	4	121
Strings – Vocal	CC00CC32	PC C1	
P1 St. Strings1	16	4	049
St.Slow Str1	10	4	050
Orchestra 1	9	4	049
X Violin	80	4	041 ✓
Harp	0	4	047
Warm Voices	82	4	095
P1 Syn Vox Pad	80	4	055
Fem Mm Srt	82	4	054 ✓
Rich Choir2	81	4	053 ✓
St.ChoirAahs	8	4	053
P2 JP8 Strings1	81	4	051 ✓
Warm Strings	9	4	050
S.Str+Choir	12	4	050
St.Pizzicato	3	4	046
OrchestraHit	0	4	056
Vox Pad	83	4	095
Real Choir	80	4	053 ✓
Jazz Scat	6	4	054
Choir Aahs	48	4	053
Melted Chr	49	4	053
P3 SlowStrings1	0	4	050
Strings :	0	4	049
Viola	0	4	042
Folk Violin	16	2	041
Timpani	0	4	048
ChorusLahs	52	4	053
ChorusAahs	53	4	053
Harpvox	3	4	100
Voice Oohs	48	4	054
Choir Hahs	51	4	053
P4 Syn.Strings1	0	4	051
MG.Strings2	0	4	052
Contrabass	0	4	044
St.Strings 2	17	4	049
Oct Strings1	32	4	049
LFO Vox	9	4	086
St.BoysChoir	13	4	053
VoiceAah Mal	36	4	054
Itopia	3	4	092
Humming	40	4	054
P5 St.Slow Str2	11	4	050
SlowStrings2	1	4	050
Strings+Horn	12	4	049
FolkViolinVb	17	2	041
Silent Night	9	4	055
St.Strings 3	18	4	049
Melted Choir	9	4	053
Holy Voices	12	4	092
Solo Vox	0	4	086
JzVoiceBap	54	4	054
P6 Syn.Strings5	10	4	051
ChamberStr:	2	4	049
Str.+Flute	13	4	049
SlowStrings3	2	4	050
JP8 Strings2	80	4	051 ✓
JzVoiceDow	55	4	054
Voice Dahs	52	4	054
JzVox Thum	56	4	054
JzVoiceDat	53	4	054
Vox Sweep	2	4	095
P7 Air Strings	8	4	052
Orchestra 2	19	4	049
ContraBsSect	34	4	049
Cello sect.	3	4	049
Syn.Strings4	9	4	051
SynVox	1	4	055
SC Heaven	2	4	092
JX8P Vox	18	4	055
Syn.Voice 1	8	4	055
Syn.Voice 2	10	4	055
P8 Slow Violin	8	4	041
Slow Tremolo	8	4	045
Cello :	0	4	043
StraightStr.	10	4	052
JP Saw Str.	4	4	052
Tears Voices	12	4	095
VP330 Choir	16	4	055
Chorus Oohs2	3	4	054
Space Voice	0	4	092
Heaven II	1	4	092
P9 Orchestra 3	20	4	049
Violin Atk:	1	4	041
P9 Oct Strings2	33	4	049
FilteredOrch	3	4	052
Bright Str.3	5	4	049
Water Space	4	4	092
Cosmic Voice	8	4	092
Vocorderman	11	4	092
Horror Pad	8	4	095
Breath&Rise	11	4	095
P10Trem Str.St.	2	4	045
PizzicatoStr	0	4	046
Tremolo Orch	10	4	049
JP Strings	3	4	051
OB Strings	1	4	051
Rich Choir1	14	4	053
Chorus Oohs1	1	4	054
VoiceLah Fem	16	4	054
ChorusLahFem	17	4	054
ChorusLuhFem	19	4	054
P11Bright Str.2	4	4	049
Syn.Strings3	8	4	051
Legato Str.	8	4	050
Velo Strings	24	4	049
Viola Attack	1	4	042
VoiceUuh Fem	23	4	054
Fem Lah&Lan	24	4	054
Bright Str.1	1	4	049
Harp&Strings	1	4	047
SuspenseStr	10	4	045
P12Solo Pizz.	8	4	046
Solo Spic.	16	4	046
StringsSpic.	17	4	046
Harp St.	2	4	047
Uilleann Harp	8	4	047
Cello Attack	1	4	043
Vcs&Cbs Pizz	1	4	046
Synth Harp	16	4	047
Choir Str.	14	4	049
Mild Strings	7	4	049
P13Tron Strings	24	4	051
Noiz Strings	25	4	051
JUNO Strings	2	4	052
DistStrings	6	4	052
Clap Hit	27	4	056
60s Strings	40	4	049
High Strings	16	4	051
Stack Hit	25	4	056
Double Hit	10	4	056
Industry Hit	26	4	056
P14Rave Hit	23	4	056
Bit Hit	20	4	056
Bam Hit	19	4	056
Philly Hit	9	4	056
Dist. Hit	18	4	056
Strings Hit	24	4	056
Technorg Hit	22	4	056
Impact Hit	8	4	056
Euro Hit	3	4	056
Bass Hit	1	4	056
P15Lo Fi Rave	16	4	056
Perc. Hit	11	4	056
Shock Wave	12	4	056
6th Hit	2	4	056
Techno Hit	17	4	056
Sax – Brass	CC00CC32	PC C1	
P1 BlowAltoVib	50	4	066
St.Tenor Sax	9	4	067
Baritone Sax	0	4	068
Ac.Brass	80	4	062 ✓
Brass Sforz.	81	4	062 ✓
MariachiTp	50	4	057
MuteTrumpet1	0	4	060
FluteVibAtk	52	4	074
JazzClariVib	50	4	072
Oboe	0	4	069
P2 Folk A.Sax	17	2	066
Soprano Exp.	8	4	065
P2 Bari & Tenor	8	4	068
Africa Brass	80	4	064 ✓
St.Orch Brs1	36	4	062
Romantc Tp	49	4	057
Trumpet	48	4	057
Bassoon	0	4	071
BottleBlow1	0	4	077
Whistle 1	0	4	079
P3 AltoSax Soft	46	4	066
Tenor Sax 2	0	4	067
Blowed Tenor	46	4	067
2Tps+Tb	43	4	062
Trombone1	48	4	058
FlugelHorn	55	4	057
Muted Tp 1	48	4	060
Piccolo 1	0	4	073
FolkClarinet	51	4	072
English Horn	0	4	070
P4 Folk A.SaxVb	18	2	066
Soprano Sax	0	4	065
FolkAlto	51	4	066
Octave Brass	24	4	062
Henry IV	47	4	064
Tp Mar/Shk	52	4	057
Trumpet1	0	4	057
FlTraverso	50	4	074
SoftClarinet	52	4	072
Oboe Exp.	8	4	069
P5 AltoSax Exp.	8	4	066
Sax Section	17	4	066
Latin Tenor	44	4	067
Jump Brass	5	4	063
French Horns	0	4	061
Rom/Mar Tp	51	4	057
FolkTrumpVb	18	2	057
Pan Flute1	0	4	076
FolkClarinVb	17	2	072
Bs Clarinet	8	4	072
P6 Grow Sax	9	4	066
Alto Sax	0	4	066
AltoSax + Tp	16	4	066
FatPop Brass	14	4	062
Tuba1	0	4	059
Tp Shake	53	4	057
Muted Tp 2	49	4	060
BottleBlow2	47	4	077
Whistle 2	1	4	079
Pan Flute2	47	4	076
P7 Super Tenor	47	4	067
Tenor Sax 1	45	4	067
TenorSaxFst	50	4	067
Warm Brass	2	4	064
MG Brass fst	81	4	064 ✓
Bright Tp.	24	4	057
Warm Tp.1	25	4	057
Piccolo 2	1	4	073
Clarinet	0	4	072
Flute Exp	49	4	074
P8 BreathyTn.	8	4	067
Muted Horns	8	4	060
Atk Trumpet	47	4	057
Trombone 2	49	4	058
Tuba 2	1	4	059
FolkTrumpet	17	2	057
MuteTrumpet3	3	4	060
Quad Wind	17	4	072
Folk Clarin	16	2	072
Multi Wind	16	4	072
P9 MKS Brass	4	4	063
St. Brass ff	3	4	062
Tuba + Horn	8	4	059
Horn + Orche	2	4	061
Tuba 3	47	4	059
Warm Tp.2	26	4	057
Dark Trumpet	3	4	057
Recorder	0	4	075

P9	Flute	48	4	074
	Tron Flute	51	4	074
P10	Fr.Horn	1	4	061
	Dual Horns	9	4	061
	JUNO Brass	1	4	063
	Fat SynBrass	5	4	064
	Bs.Trombone	51	4	058
	Trumpet & Nz	4	4	057
	MuteTrumpet2	2	4	060
	The Bottle	46	4	077
	TinWhistle2	46	4	076
	Ocarina	0	4	080
P11	Poly Brass	80	4	063 ✓
	PowerBrass	47	4	062
	Bright Tb	4	4	058
	V Twin bones	50	4	058
	Polka Tuba	46	4	059
	Twin Tp.	27	4	057
	Synth Brass1	0	4	063
	DeepSynBrass	6	4	064
	Pipe & Reed	9	4	074
	Flute 2	1	4	074
P12	Pro Brass	8	4	063
	Orch Brass	33	4	062
	St.Orch Brs2	38	4	062
	Brass + Reed	25	4	062
	Folk Tuba	45	4	059
	2Tps+Tb+Sax	44	4	062
	Brass 2	8	4	062
	Brass 3	9	4	062
	P5 Brass	9	4	063
	Brass 1	0	4	062
P13	Fat + Reed	26	4	062
	F.Horn Rip	24	4	061
	Brass sfz 1	10	4	062
	OB Brass	9	4	064
	Sync Brass	4	4	064
	Trumpet Fall	17	4	062
	Oct SynBrass	16	4	063
	Euphonium	52	4	058
	Bones Sect.	2	4	062
	Quad Brass2	5	4	062
P14	SH-5 Brass	3	4	063
	Brass sfz 2	12	4	062
	Quad Brass1	4	4	062
	Brass Fall	16	4	062
	Wide FrHrns	3	4	061
	F.Hrn Slow:	8	4	061
	Velo Brass 1	16	4	064
	SoaringHorns	46	4	064
	<b>Synth</b>	<b>CC00</b>	<b>CC32</b>	<b>PC C1</b>
P1	Big Lead	4	4	082
	Unison Saws	46	4	091
	OB Saw 1	26	4	082
	LM Square	6	4	081
	CC Solo	4	4	081
	Poly Saws	83	4	091 ✓
	80's PolySyn	1	4	091
	Super Poly	4	4	091
	D-50 Fantasy	43	4	089
	Twin Sine	11	4	081
P2	Dual Sqr&Saw	23	4	081
	Velo Lead	5	4	082
	MG Square	1	4	081
	Hollow Mini	2	4	081
	Polysynth1	0	4	091
	X-hale	81	4	095 ✓
	Phenomena	80	4	087 ✓
	Poly Key	82	4	091 ✓
	Saw Wave	0	4	082
	Unison SawLd	7	4	084
P3	MG SawLead 2	39	4	082
	TB Lead	1	4	084
	Fat GR Lead	3	4	085
	Brightness	0	4	101
	Bell Heaven	3	4	089

P3	New Age Pad	2	4	089
	Syn.Calliope	0	4	083
	OB Stab	2	4	101
	Big & Raw	1	4	088
	P5 Sync Lead	16	4	085
P4	Acid Guitar	10	4	085
	D-50 Fat Saw	11	4	082
	Euro-Dance 2	81	4	088 ✓
	Polysynth 2	2	4	091
	LowBirds Pad	8	4	102
	D-50 Retour	5	4	101
	Fantasia 1	0	4	089
	OB DoubleSaw	12	4	082
	Rock Lead	18	4	085
	Techno Saw	47	4	082
P5	JP DoubleSaw	13	4	082
	JP SuperSaw	15	4	082
	CS Saw	30	4	082
	MG Saw Lead	31	4	082
	Ice Rain	0	4	097
	Oct Saw Lead	35	4	082
	Chiffer Lead	0	4	084
	LM Pure Lead	8	4	083
	Big Blue	29	4	102
	Vibra Bells	8	4	099
P6	JUNO Rave	3	4	088
	LA Brass Ld	22	4	085
	Big Fives	1	4	087
	Goblin	0	4	102
	SequencedSaw	46	4	082
	Octave Stack	9	4	091
	Euro-Dance 1	80	4	088 ✓
	Crispy Lead	84	4	088 ✓
	LM Blow Lead	9	4	083
	Xpressive	83	4	088 ✓
P7	7th Atmos.	17	4	104
	Galaxy Way	18	4	104
	Rising OSC.	19	4	104
	Noise Peaker	6	4	092
	Raver Blade	82	4	088 ✓
	Etherality	5	4	104
	Reso Stack	10	4	091
	Techno Stack	11	4	091
	TwinOct.Rave	13	4	091
	Happy Synth	15	4	091
P8	ForwardSweep	16	4	091
	ReverseSweep	17	4	091
	Minor Rave	24	4	091
	SuperSaws	47	4	091
	Bamboo Hit	7	4	092
	AuhAuh	10	4	092
	Square Wave	0	4	081
	Mellow FM	3	4	081
	Shmoog	5	4	081
	2600 Sine	8	4	081
P9	KG Lead	10	4	081
	P5 Square	16	4	081
	OB Square	17	4	081
	JP-8 Square	18	4	081
	Dist Square	19	4	081
	303SquarDst1	20	4	081
	303SquarDst2	21	4	081
	Pulse Lead	24	4	081
	JP8 PulseLd1	26	4	081
	JP8 PulseLd2	28	4	081
P10	260RingLead	29	4	081
	303DistLead	30	4	081
	JP8000DistLd	31	4	081
	HipHop Sq.	33	4	081
	Flux Pulse	35	4	081
	Pulse Saw	2	4	082
	GR-300	6	4	082
	LA Saw	7	4	082
	Doctor Solo	8	4	082
	Fat Saw Lead	9	4	082

P11	Saw Impulse	5	4	097
	Strange Str.	6	4	097
	FatSawLead	14	4	082
	Waspy Synth	16	4	082
	PM Lead	17	4	082
	MG Saw 1	24	4	082
	Crystal	0	4	099
	Syn Mallet	1	4	099
	P5 Saw Lead	33	4	082
	Soft Crystal	2	4	099
P12	Round Glock	3	4	099
	Loud Glock	4	4	099
	Natural Lead	36	4	082
	Synchronized	38	4	082
	SequenceSaw1	40	4	082
	Digi Bells	9	4	099
	SequenceSaw2	41	4	082
	Reso Saw	42	4	082
	Cheese Saw 1	43	4	082
	Blow Bell	12	4	099
P13	Choral Bells	16	4	099
	Air Bells	17	4	099
	Bell Harp	18	4	099
	Gamelimba	19	4	099
	Bottom Bell	23	4	099
	Warm Atmos	1	4	100
	FatSolo Lead	4	4	084
	ForcefulLead	5	4	084
	Oct.UnisonLd	6	4	084
	Mad Lead	8	4	084
P14	Vaporish	80	4	091 ✓
	CrowdingLead	9	4	084
	Space Org X	81	4	087 ✓
	Double Sqr.	10	4	084
	Chord maj7th	82	4	087 ✓
	PureFlatLead	47	4	084
	Short Chord	83	4	087 ✓
	Charang	0	4	085
	Wire Lead	1	4	085
	ShortCircuit	80	4	056 ✓
P15	FB.Charang	2	4	085
	Brass Star	3	4	101
	Mellow GR Ld	5	4	085
	Org Bell	8	4	101
	Dance Dst.Gt	11	4	085
	Goblinson	1	4	102
	50's Sci-Fi	2	4	102
	Abduction	3	4	102
	Fat SyncLead	17	4	085
	Auhbient	4	4	102
P16	5th DecaSync	19	4	085
	LFO Pad	5	4	102
	Random Str	6	4	102
	Dirty Sync	20	4	085
	DualSynLead	21	4	085
	UFO FX	14	4	102
	5th Saw Wave	0	4	087
	FallInsect	18	4	102
	LFO Oct.Rave	19	4	102
	5th Lead	2	4	087
P17	Just Before	20	4	102
	RandomEnding	22	4	102
	JP 5th Saw	5	4	087
	Random Sine	23	4	102
	JP8000 5thFB	6	4	087
	Noise&SawHit	25	4	102
	Bass & Lead	0	4	088
	Fat & Perky	2	4	088
	DancingDrill	27	4	102
	Dirty Stack	28	4	102
P18	Static Hit	30	4	102
	Delayed Lead	7	4	088
	Acid Copter	32	4	102
	Fantasia 2	1	4	089
	Fantasia 3	4	4	089
	Fantasia 4	5	4	089

P18	260HarmPad	7	4	089
	Music Bell	10	4	099
	<b>Pad - Sfx</b>	<b>CC00</b>	<b>CC32</b>	<b>PC C1</b>
P1	Pad With	81	4	090
	LA Warm Pad	82	4	090 ✓
	Attack! Pad	83	4	090
	Human Pad	10	4	090
	OB Soft Pad	6	4	090
	Sitar 1	0	4	105
	Shakuhachi	0	4	078
	Nay	8	4	073
	Reverse Cym.	0	4	120
	Gun Shot	0	4	128
P2	JP8 Hollow	44	4	092
	JP Soft Pad	13	4	090
	Warm Squ Pad	47	4	092
	Warm JP STR	47	4	090
	Square Pad	45	4	092
	Oud	24	4	106
	Kawala	8	4	076
	Tambra	8	4	105
	Woodblock	0	4	116
	Telephone 1	0	4	125
P3	Stacked Pad	45	4	090
	Warm Pad	0	4	090
	Thick Matrix	1	4	090
	Big Panner	4	4	103
	Reso Panner	5	4	103
	Rabab	8	4	106
	Shamisen	0	4	107
	Kalimba	0	4	109
	Taiko	0	4	117
	Car-Stop	2	4	126
P4	Sine Pad	5	4	090
	Tamboura	16	4	105
	Echo Drops	0	4	103
	Rotary Strng	3	4	090
	Stack Pad	9	4	090
	Sanza	8	4	109
	Bagpipe	0	4	110
	Gopichant	16	4	106
	Agogo	0	4	114
	Helicopter	0	4	126
P5	Silky Pad 1	9	4	104
	Echo Pan 1	2	4	103
	Soundtrack	0	4	098
	Metal Pad	0	4	094
	Octave Pad	8	4	090
	UillnPipe Or	11	4	110
	Fiddle	0	4	111
	Pungi	8	4	112
	Steel Drums	0	4	115
	Seashore	0	4	123
P6	Sync Brs.Pad	11	4	090
	Silky Pad 2	11	4	104
	Star Dust	3	4	104
	Mystic Pad	6	4	104
	Anklung Pad	3	4	097
	Mizmar	24	4	112
	Sitar 2	1	4	105
	Uilleann Pipe	9	4	110
	Sine Perc.	10	4	119
	Dog	1	4	124
P7	Oud+Strings	28	4	106
	Hols Strings	4	4	098
	Oct.PWM Pad	12	4	090
	PWM Soft Pad	43	4	090
	LFO Sweep	44	4	090
	Di	16	4	073
	Zither 1	16	4	016
	Hichiriki	16	4	112
	Fl.Key Click	1	4	122
	Bird 1	0	4	124
P8	Ambient Pad	6	4	100
	Saw Strings	46	4	090



P8 JP8 Sqr Pad	2	4	093
SoftBellPad	1	4	093
JP8Haunting	43	4	092
Pi Pa	32	4	106
Sitar/Drone	4	4	105
Sitar 3	5	4	105
Cymbal Roll	47	4	113
Growl 1	5	4	124
P9 Tine Pad	1	4	094
Panner Pad	2	4	094
Kanoon+Choir	19	4	108
Oct Harp	24	4	108
Bowed Glass	0	4	093
Tsugaru	1	4	107
San Xian	9	4	106
Koto	0	4	108
Elec Perc	9	4	119
Kitty	4	4	124
P10Special Rave	4	4	094
Halo Pad	0	4	095
Sweep Pad	0	4	096
Ambient BPF	2	4	096
Celestial Pd	10	4	096
Tin Whistle	24	4	076
Syn Shamisen	8	4	107
TinWhistleNm	25	4	076
Jazz Tom	3	4	118
Horse-Gallop	2	4	124
P11Sweep Stack	13	4	096
Converge	8	4	096
Warriors	4	4	096
Shwimmer	9	4	096
Sweep Pipe	12	4	096
Gu Zheng	1	4	108
Taisho Koto	8	4	108
Kanoon	16	4	108
808 Tom	8	4	119
Car-Engine	1	4	126
P12SawsSweep	47	4	096
Stray Pad	15	4	096
Clavi Pad	8	4	097
EP Pad	9	4	097
CP Pad	11	4	097
Bodhran	9	4	109
Bodhran Mute	10	4	109
Didgeridoo	8	4	110
Melo. Tom 1	0	4	118
Seal	8	4	124
P13Ancestral	1	4	098
Prologue 1	2	4	098
Prologue 2	3	4	098
HistoryWave	5	4	098
Echo Pan 2	3	4	103
ShakuBamboo	47	4	078
UillnPipe Nm	10	4	110
Er Hu	8	4	111
Breath Noise	0	4	122
Rain	1	4	123
P14Pan Sequence	8	4	103
Star Theme	0	4	104
Echo Bell	1	4	103
Panning Lead	10	4	103
D-Mention	80	4	095 ✓
Gao Hu	9	4	111
Shanai 1	0	4	112
Shanai 2	1	4	112
Small Club	7	4	127
Thunder	2	4	123
P15Suona 1	32	4	112
Suona 2	33	4	112
Tinkle Bell	0	4	113
Gender	9	4	113
Pemade	15	4	113
Yang Qin	24	4	047
Santur	0	4	016
Cimbalom	8	4	016

P15Dulcimer	24	4	016
Explosion	3	4	128
P16Stream	4	4	123
Melo. Tom 2	8	4	118
Jungle SD	18	4	118
Bubble	5	4	123
Wind 2	6	4	123
Wind 1	3	4	123
Bird 2	3	4	124
DoorCreaking	2	4	125
Siren	5	4	126
Train	6	4	126
P17Starship	8	4	126
Burst Noise	9	4	126
Synth Drum	0	4	119
Car-Pass	3	4	126
Door	3	4	125
Jetplane	7	4	126
Telephone 2	1	4	125
Cricket	7	4	123
Rev.Snare 1	8	4	120
Rev.ConBD	17	4	120
P18White Noise	17	4	123
Winds Hit	47	4	123
Pink Noise	16	4	123
Scratch	4	4	125
TapeRewind	9	4	125
Rev.Kick 1	16	4	120
Growl 2	6	4	124
Rev.Tom 2	25	4	120
Trumpet Nz	9	4	122
Fancy Animal	7	4	124
P19ScratchKey	8	4	125
Phono Noise	10	4	125
MC-500 Beep	11	4	125
HandClapMenu	40	4	116
909 HandClap	32	4	116
Scratch 2	7	4	125
Finger Snaps	24	4	116
Voice ComeOn	23	4	127
Car-Crash	4	4	126
Calculating	10	4	126
P20Wind Chimes	5	4	125
Voice One	16	4	127
Voice Two	17	4	127
Voice Three	18	4	127
Voice Tah	19	4	127
Concert BD	8	4	117
Castanets	8	4	116
Tambourine	16	4	114
Perc. Bang	11	4	126
Burner	12	4	126
P21Ice Ring	14	4	126
Crack Bottle	16	4	126
Kajar	17	4	113
Small Taiko	1	4	117
Voice Aou	24	4	127
Glass & Glam	13	4	126
Voice Oou	25	4	127
Voice Hie	26	4	127
Pour Bottle	17	4	126
Open CD Tray	19	4	126
P22Bounce	18	4	117
Key Typing	21	4	126
SL 1	22	4	126
SL 2	23	4	126
Kelontuk Sid	20	4	113
Audio Switch	20	4	126
Car Engine	24	4	126
Car Horn	25	4	126
Boeeeen	26	4	126
R.Crossing	27	4	126
P23Sword Boom!	29	4	126
Sword Cross	30	4	126
Stab! 1	31	4	126
Stab! 2	32	4	126

P23Applause 1	0	4	127
Compressor	28	4	126
Laughing	1	4	127
Screaming	2	4	127
Punch	3	4	127
Atarigane	8	4	114
P24Footsteps	5	4	127
Applause 2	6	4	127
ApplauseWave	8	4	127
Angklung	16	4	116
BabyLaughing	9	4	127
Heart Beat	4	4	127
Voice Whey	20	4	127
Voice Kikit	22	4	127
Machine Gun	1	4	128
Lasergun	2	4	128
P25Dholak 1	27	4	117
Eruption	4	4	128
Big Shot	5	4	128
Bebarongan	25	4	117

Drum	CC00	CC32	PC C1
P1 Standard 1	0	4	1
Standard 2	0	4	2
Room	0	4	9
Standard L/R	0	4	3
Room L/R	0	4	13
New Pop	0	4	4
New Folk	0	4	8
New BrushPop	0	4	45
New PBrush Perc	0	4	46
New Pop Perc	0	4	47
P2 Power	0	4	17
New Rock	0	4	18
Dance	0	4	27
House	0	4	14
Jungle	0	4	11
Hip Hop	0	4	10
Techno	0	4	12
Multi Drum	0	4	32
Electronic	0	4	25
TR-808	0	4	26
P3 CR-78	0	4	28
TR-606	0	4	29
TR-707	0	4	30
TR-909	0	4	31
V-JazzBrush	0	4	44
Brush 2 L/R	0	4	43
Brush	0	4	41
Brush 2	0	4	42
Jazz	0	4	33
Jazz L/R	0	4	34
P4 Orchestra	0	4	49
V-VoxDrum	0	4	64
Ethnic	0	4	50
Sfx	0	4	57

✓ = sounds with a parameter assigned to C1

P= display page

Sound names *in italics*= Extended mode

# 2. Drum Sets

	PC: 1 [CC32: 4] STANDARD 1	PC: 2 [CC32: 4] STANDARD 2	PC: 9 [CC32: 4] ROOM	PC: 3 [CC32: 4] STANDARD L/R	PC: 13 [CC32: 4] ROOM L/R	PC: 4 [CC32: 4] New Pop	PC: 8 [CC32: 4] New Folk	PC: 45 [CC32: 4] New BrushPop	PC: 46 [CC32: 4] NewPopBrush_Perc.	PC: 47 [CC32: 4] NewPop_Percussion
C-1	0	Std.1 Kick1	Std.1 Kick1	Std.1 Kick1	---	HipHop Kick1	Brasil Tamburin	HipHop Kick1	Mambo_SW	CowBellSide
	1	Std.1 Kick2	Std.1 Kick2	Std.1 Kick2	---	Jazz Kick 1	Marches Tamburin	Jazz Kick 1	SeaShells	SeaShells
	2	Std.2 Kick1	Std.2 Kick1	Std.2 Kick1	---	Mex Kick	Tamorra 1	Mex Kick	Equat-nutshells	Equat-nutshells
	3	Std.2 Kick2	Std.2 Kick2	Std.2 Kick2	---	Rm Kick 1	Tamorra 2	Rm Kick 1	Cascade_Ending	Cascade_Ending
	4	Kick 1	Kick 1	Kick 1	---	Rm Kick 2	Tamorra 3	Rm Kick 2	Chimes-Ending	Chimes-Ending
	5	Kick 2	Kick 2	Kick 2	---	HipHop Kick2	Tamorra 4	HipHop Kick2	Goathooves	Goathooves
	6	Jazz Kick 1	Jazz Kick 1	Jazz Kick 1	---	TechnoKick1	Tamorra 6	TechnoKick1	GoathoovesShot	GoathoovesShot
	7	Jazz Kick 2	Jazz Kick 2	Jazz Kick 2	---	BassDrumSet	Tamorra 7	BassDrumSet	Bongo1_SW1	Bongo1_SW1
	8	Room Kick 1	Room Kick 1	Room Kick 1	---	HipHop Kick1	Tamorra 8	HipHop Kick1	Bongo1_SW2	Bongo1_SW2
	9	Room Kick 2	Room Kick 2	Room Kick 2	---	909Comp.Kick	Tamorra Ending	909Comp.Kick	Bongo1_SW3	Bongo1_SW3
	10	Power Kick1	Power Kick1	Power Kick1	---	St Kick 1	Pandeiro 1	St Kick 1	Bongo2_SW1	Bongo2_SW1
	11	Power Kick2	Power Kick2	Power Kick2	---	JazzKick	Pandeiro 2	JazzKick	Bongo2_SW2	Bongo2_SW2
C0	12	Elec Kick 2	Elec Kick 2	Elec Kick 2	---	NewRockKik	Pandeiro 3	RockKik	Bongo2_3	Bongo2_3
	13	Elec Kick 1	Elec Kick 1	Elec Kick 1	---	Cymbal Roll	Pandeiro 4	Cymbal Roll	Congas_SW1	Congas_SW1
	14	TR-808 Kick	TR-808 Kick	TR-808 Kick	---	Rock Stick 2	Pandeiro 5	Rock Stick 2	Congas_SW2	Congas_SW2
	15	TR-909 Kick	TR-909 Kick	TR-909 Kick	---	Rm Snare 1	Pandeiro 6	Rm Snare 1	Congas_SW3	Congas_SW3
	16	Dance Kick 2	Dance Kick 2	Dance Kick 2	---	Rm Snare 2	BeguineLoop3	Rm Snare 2	Congas_SW4	Congas_SW4
	17	Voice One	Voice One	Voice One	Voice One	St Snare1	BeguineLoop2	St Snare1	Tamorra 1	Tamorra 1
	18	Voice Two	Voice Two	Voice Two	Voice Two	St Snare2	BeguineLoop1	St Snare2	Tamorra 2	Tamorra 2
	19	Voice Three	Voice Three	Voice Three	Voice Three	NewJzSn2	JazzSnare2	JazzSnare2	Tamorra 3	Tamorra 3
	20	85Rm BsDrum1	---	85St BsDrum1	---	NewJzSn1	JazzSnare1	JazzSnare1	Tamorra 4	Tamorra 4
	21	85Rm BsDrum2	---	85St BsDrum2	---	R8B Snare	R8B Snare	R8B Snare	Tamorra 6	Tamorra 6
	22	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	Tamorra 7	Tamorra 7
C1	23	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	Tamorra 8	Tamorra 8
	24	Concert Snr	Concert Snr	Concert Snr	Concert Snr	Concert Snr	Concert Snr	Concert Snr	Tamorra Ending	Tamorra Ending
	25	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Pandeiro_SW1	Pandeiro_SW1
	26	FingerSnaps2	Finger Snap	Finger Snap	FingerSnaps2	Finger Snap	FingerSnaps2	FingerSnaps2	Pandeiro_SW2	Pandeiro_SW2
	27	High-Q	High-Q	High-Q	High-Q	High-Q	High-Q	High-Q	Pandeiro_SW3	Pandeiro_SW3
	28	Slap	Slap	Slap	Slap	Slap	Slap	Slap	Pandeiro 5	Pandeiro 5
	29	ScratchPush	ScratchPush	ScratchPush	ScratchPush	ScratchPush	ScratchPush	ScratchPush	Pandeiro 5	Pandeiro 5
	30	ScratchPull	ScratchPull	ScratchPull	ScratchPull	ScratchPull	ScratchPull	ScratchPull	Pandeiro 5	Pandeiro 5
	31	Sticks	Sticks	Sticks	Sticks	Sticks	Sticks	Sticks	Pandeiro 5	Pandeiro 5
	32	SquareClick	SquareClick	SquareClick	SquareClick	SquareClick	SquareClick	SquareClick	Pandeiro 5	Pandeiro 5
	33	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Pandeiro 5	Pandeiro 5
	34	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Pandeiro 5	Pandeiro 5
	35	85St BsDrum1	Std.2 Kick2	85Rm BsDrum1	85St BsDrum1	85Rm BsDrum1	85Rm BsDrum1	85Rm BsDrum1	Pandeiro 5	Pandeiro 5
C2	36	85St BsDrum2	Std.2 Kick1	85Rm BsDrum2	85St BsDrum2	85Rm BsDrum2	85Rm BsDrum2	85Rm BsDrum2	Pandeiro 5	Pandeiro 5
	37	Side Stick	Side Stick	Side Stick	Side Stick	Side Stick	Side Stick	Side Stick	Pandeiro 5	Pandeiro 5
	38	85St Snare2	Std.2 Snare1	82Rm Snare2	85St Snare2	82Rm Snare2	82Rm Snare2	82Rm Snare2	Pandeiro 5	Pandeiro 5
	39	909 HandClap	808clap	808clap	909 HandClap	808clap	808clap	808clap	Pandeiro 5	Pandeiro 5
	40	85St Snare1	Std.2 Snare2	82Rm Snare1	85St Snare1	82Rm Snare1	82Rm Snare1	82Rm Snare1	Pandeiro 5	Pandeiro 5
	41	Real Tom 6	Real Tom 6	Real Tom 6	Real Tom 6	Real Tom 6	Real Tom 6	Real Tom 6	Pandeiro 5	Pandeiro 5
	42	Close HiHat2	Jazz Clsd.HH	Room Chh	82StClshatB	82RmClshatB	82RmClshatB	82RmClshatB	Pandeiro 5	Pandeiro 5
	43	Real Tom 6	Real Tom 6	Real Tom 6	Real Tom 6	Real Tom 6	Real Tom 6	Real Tom 6	Pandeiro 5	Pandeiro 5
	44	Pedal HiHat2	Pedal HiHat	Pedal HiHat	Pedal HiHat2	Pedal HiHat	Pedal HiHat	Pedal HiHat	Pandeiro 5	Pandeiro 5
	45	Real Tom 4	Real Tom 4	Real Tom 4	Real Tom 4	Real Tom 4	Real Tom 4	Real Tom 4	Pandeiro 5	Pandeiro 5
	46	Open HiHat2	Jazz Open HH	R8 Ohh2	82StOpenHatB	82RmOpenHatB	82RmOpenHatB	82RmOpenHatB	Pandeiro 5	Pandeiro 5
	47	Real Tom 4	Real Tom 4	Real Tom 4	Real Tom 4	Real Tom 4	Real Tom 4	Real Tom 4	Pandeiro 5	Pandeiro 5
C3	48	Real Tom 1	Real Tom 1	Real Tom 2	Real Tom 1	Real Tom 2	Real Tom 2	Real Tom 2	Pandeiro 5	Pandeiro 5
	49	Crash Cym.1	Crash Cym.1	Crash Cym.1	Crash1c B	Crash1c B	Crash1c B	Crash1c B	Pandeiro 5	Pandeiro 5
	50	Real Tom 1	Real Tom 1	Real Tom 2	Real Tom 1	Real Tom 2	Real Tom 2	Real Tom 2	Pandeiro 5	Pandeiro 5
	51	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride_c B	Ride_c B	Ride_c B	Ride_c B	Pandeiro 5	Pandeiro 5
	52	ChinaCymbal	ChinaCymbal	ChinaCymbal	ChinaCymbal	ChinaCymbal	ChinaCymbal	ChinaCymbal	Pandeiro 5	Pandeiro 5
	53	Ride Bell	Ride Bell	Ride Bell	Ridbl_c B	Ridbl_c B	Ridbl_c B	Ridbl_c B	Pandeiro 5	Pandeiro 5
	54	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Pandeiro 5	Pandeiro 5
	55	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Pandeiro 5	Pandeiro 5
	56	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell	Pandeiro 5	Pandeiro 5
	57	Crash Cym.2	Crash Cym.2	Crash Cym.2	Crash Cym.2	Crash Cym.2	Crash Cym.2	Crash Cym.2	Pandeiro 5	Pandeiro 5
	58	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Pandeiro 5	Pandeiro 5
	59	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal	Pandeiro 5	Pandeiro 5
C4	60	Bongo High	Bongo High	Bongo High	Bongo High	Bongo High	Bongo High	Bongo High	Pandeiro 5	Pandeiro 5
	61	Bongo Lo	Bongo Lo	Bongo Lo	Bongo Lo	Bongo Lo	Bongo Lo	Bongo Lo	Pandeiro 5	Pandeiro 5
	62	Mute H.Conga	Mute H.Conga	Mute H.Conga	Mute H.Conga	Mute H.Conga	Mute H.Conga	Mute H.Conga	Pandeiro 5	Pandeiro 5
	63	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn	Pandeiro 5	Pandeiro 5
	64	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn	Pandeiro 5	Pandeiro 5
	65	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale	Pandeiro 5	Pandeiro 5
	66	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Pandeiro 5	Pandeiro 5
	67	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Pandeiro 5	Pandeiro 5
	68	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Pandeiro 5	Pandeiro 5
	69	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Pandeiro 5	Pandeiro 5
	70	Maracas	Maracas	Maracas	Maracas	Maracas	Maracas	Maracas	Pandeiro 5	Pandeiro 5
	71	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	Pandeiro 5	Pandeiro 5
C5	72	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	Pandeiro 5	Pandeiro 5
	73	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Pandeiro 5	Pandeiro 5
	74	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Pandeiro 5	Pandeiro 5
	75	Claves	Claves	Claves	Claves	Claves	Claves	Claves	Pandeiro 5	Pandeiro 5
	76	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Pandeiro 5	Pandeiro 5
	77	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Pandeiro 5	Pandeiro 5
	78	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Pandeiro 5	Pandeiro 5
	79	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Pandeiro 5	Pandeiro 5
	80	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	Pandeiro 5	Pandeiro 5
	81	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	Pandeiro 5	Pandeiro 5
	82	Shaker	Shaker	Shaker	Shaker	Shaker	Shaker	Shaker	Pandeiro 5	Pandeiro 5
	83	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Pandeiro 5	Pandeiro 5
C6	84	Bell Tree	Bar Chimes	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Pandeiro 5	Pandeiro 5
	85	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Pandeiro 5	Pandeiro 5
	86	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Pandeiro 5	Pandeiro 5
	87	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Pandeiro 5	Pandeiro 5
	88	Applause 2	Applause 2	Applause 2	Applause 2	Applause 2	Applause 2	Applause 2	Pandeiro 5	Pandeiro 5
	89	---	---	---	---	---	---	---	Pandeiro 5	Pandeiro 5
	90	---	---	---	---	---	---	---	Pandeiro 5	Pandeiro 5
	91	---	---	---	---	---	---	---	Pandeiro 5	Pandeiro 5
	92	---	---	---	---	---	---	---	Pandeiro 5	Pandeiro 5
	93	---	---	---	---	---	---	---	Pandeiro 5	Pandeiro 5
	94	---	---	---	---	---	---	---	Pandeiro 5	Pandeiro 5
	95	82Rm Snare2	---	85St Snare2	85St BsDrum1	85Rm BsDrum1	85Rm BsDrum1	85Rm BsDrum1	Pandeiro 5	Pandeiro 5
C7	96	82Rm Snare1	---	85St Snare1	85St BsDrum2	85Rm BsDrum2	85Rm BsDrum2	85Rm BsDrum2	Pandeiro 5	Pandeiro 5

	PC: 17 [CC32: 4] POWER	PC: 18 [CC32: 4] New Rock	PC: 27 [CC32: 4] DANCE	PC: 14 [CC32: 4] HOUSE	PC: 11 [CC32: 4] JUNGLE	PC: 10 [CC32: 4] HIP HOP	PC: 12 [CC32: 4] TECHNO	PC: 32 [CC32: 4] MultiDrum	PC: 25 [CC32: 4] ELECTRONIC	PC: 26 [CC32: 4] TR-808	
C-1	0	Std.1 Kick1	HipHop Kick1	Elec Kick 2	Elec Kick 2	Elec Kick 2	Elec Kick 2	Elec Kick 2	PopCym2_52	Elec Kick 2	Elec Kick 2
	1	Std.1 Kick2	Jazz Kick 1	Elec Kick 1	Elec Kick 1	Elec Kick 1	Elec Kick 1	PopRd1_51	Elec Kick 1	Elec Kick 1	
	2	Std.2 Kick1	Mex Kick	CR78 BD 1	CR78 BD 1	CR78 BD 1	CR78 BD 1	CR78 BD 1	R&B Snare	CR78 BD 1	CR78 BD 1
	3	Std.2 Kick2	Rm Kick 1	CR78 BD 2	CR78 BD 2	CR78 BD 2	CR78 BD 2	CR78 BD 2	R&B Clap	CR78 BD 2	CR78 BD 2
	4	Kick 1	Rm Kick 2	TR-606 BD1	TR-606 BD1	TR-606 BD1	TR-606 BD1	TR-606 BD1	Techno Snare	TR-606 BD1	TR-606 BD1
	5	Kick 2	HipHop Kick2	TR-707 BD	TR-707 BD	TR-707 BD	TR-707 BD	TR-707 BD	House Snare	TR-707 BD	TR-707 BD
	6	Jazz Kick 1	TechnoKick1	808 Kick	808 Kick	808 Kick	808 Kick	808 Kick	Jungle Snare	808 Kick	808 Kick
	7	Jazz Kick 2	BassDrumSet	TR-808 Kick	TR-808 Kick	TR-808 Kick	TR-808 Kick	TR-808 Kick	Ps Snare	TR-808 Kick	TR-808 Kick
	8	Room Kick 1	HipHop Kick1	808 BD	808 BD	808 BD	808 BD	808 BD	909 Snare	808 BD	808 BD
	9	Room Kick 2	909Comp.Kick	TR-909 Kick	TR-909 Kick	TR-909 Kick	TR-909 Kick	TR-909 Kick	909Snare2	TR-909 Kick	TR-909 Kick
C0	10	Power Kick1	St Kick 1	Dance Kick 2	Dance Kick 2	Dance Kick 2	Dance Kick 2	909 Kick 3	Dance Kick 2	Dance Kick 2	
	11	Power Kick2	JazzKick	909 Comp BD	909 Comp BD	909 Comp BD	909 Comp BD	909 Comp BD	House Kick	909 Comp BD	909 Comp BD
	12	Elec Kick 2	Rock Kick	TR-909 BD2	TR-909 BD2	TR-909 BD2	TR-909 BD2	TR-909 BD2	TR-808 Kick	TR-909 BD2	TR-909 BD2
	13	Elec Kick 1	Cymbal Roll	HipHop BD2	HipHop BD2	HipHop BD2	HipHop BD2	HipHop BD2	909 Kick	HipHop BD2	HipHop BD2
	14	TR-808 Kick	Rock Stick 2	JungleBD Set	JungleBD Set	JungleBD Set	JungleBD Set	JungleBD Set	909 Kick2	JungleBD Set	JungleBD Set
	15	TR-909 Kick	Rm Snare 1	Techno BD1	Techno BD1	Techno BD1	Techno BD1	Techno BD1	TR-909 OHSh	Techno BD1	Techno BD1
	16	Dance Kick 2	Rm Snare 2	Bounce	Bounce	Bounce	Bounce	Bounce	TR-909 OHH	Bounce	Bounce
	17	Voice One	St Snare1	Voice One	Voice One	Voice One	Voice One	Voice One	Ah	Voice One	Voice One
	18	Voice Two	St Snare2	Voice Two	Voice Two	Voice Two	Voice Two	Voice Two	Ha	Voice Two	Voice Two
	19	Voice Three	JazzSnare2	Voice Three	Voice Three	Voice Three	Voice Three	Voice Three	ShutHa	Voice Three	Voice Three
C1	20	---	JazzSnare1	HipHop BD2	TR-909 BD2	TR-909 BD2	HipHop BD1	HipHop BD2	ShutHi	---	---
	21	---	R&B Snare	TR-909 BD2	Techno BD2	909 Comp BD	Std2 Kick2	TR-909 BD2	One	---	---
	22	MC-500 Beep	RockSnare2_2	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	Two	MC-500 Beep	MC-500 Beep
	23	MC-500 Beep	RockSnare1_2	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	Three	MC-500 Beep	MC-500 Beep
	24	Concert Snr	PopSnare38 2	Concert Snr	Concert Snr	Concert Snr	Concert Snr	Concert Snr	Four	Concert Snr	Concert Snr
	25	Snare Roll	Snare Ghost1	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Snare Roll
	26	FingerSnaps2	PopSnare38 2	Finger Snap	FingerSnaps2	FingerSnaps2	FingerSnaps2	FingerSnaps2	FingerSnaps2	FingerSnaps2	FingerSnaps2
	27	High-Q	FingerSnaps2	High-Q	High-Q	High-Q	High-Q	High-Q	High-Q	High-Q	High-Q
	28	Slap	909 HandClap	Slap	Slap	Slap	Slap	Slap	Slap	Slap	Slap
	29	ScratchPush	808 Clap	Scratch Push2	Scratch Push2	Scratch Push2	Scratch Push2	Scratch Push2	Scratch Push2	Scratch Push2	Scratch Push2
C2	30	ScratchPull	Hand clap2	Scratch Pull2	Scratch Pull2	Scratch Pull2	Scratch Pull2	Scratch Pull2	Scratch Pull2	Scratch Pull2	Scratch Pull2
	31	Sticks	909 HandClap	Sticks	Sticks	Sticks	Sticks	Sticks	Sticks	Sticks	Sticks
	32	SquareClick	Pedal Hi Hat	SquareClick	SquareClick	SquareClick	SquareClick	SquareClick	SquareClick	SquareClick	SquareClick
	33	Mtrnm.Click	GospelHC1p1	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click
	34	Mtrnm.Bell	Snare Roll 1	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell
	35	Power Kick2	Pop Kick 35	TR-909 BD2	HipHop BD2	HipHop BD1	TR-909 BD2	Techno BD1	HipHop Kick	Elec Kick 2	808 BD
	36	Power Kick1	Pop Kick 36	Techno BD2	Techno BD2	Std2 Kick2	909 Comp BD	TR-909 BD2	SimpleKick	Elec Kick 1	TR-808 S2
	37	Side Stick	Pop Stick1	Side Stick	Side Stick	Side Stick	808 Rimshot	808 Rimshot	Side Stick	Side Stick	808 Rimshot
	38	Dance Snare1	PopSnare38 1	Dance Snare1	House SD	Dance Snare1	Rap Snare	Dance Snare1	HipHop Snare	Elec. Snare	808 Snare 1
	39	808clap	Snare Ghost1	909 HandClap	909 HandClap	HC2 Claps 2	909 HandClap	707 Claps	808clap	808clap	808clap
C3	40	Power Snare1	PopSnare40 1	Power Snare1	Elec Snare 2	House SD	909 SD 1	HipHopSnare2	Elec Snare 2	TR-808 S2	
	41	Rock Tom 4	Flam Tom 41	Synth Drum 2	909 Tom	909 Tom	Brush Tom	606 Dist.Tom	8551 Tom16	Synth Drum 2	808 Tom 2
	42	Close HHat2	Pop Hi Hat1	CR-78 chh	TR-707 HH-c	606 CH	Room Chh	TR-707 HH-c	HipHopC HH	Jazz Cld.HH	TR-808 C HH
	43	Rock Tom 4	Tom 43	Synth Drum 2	909 Tom	909 Tom	Brush Tom	606 Dist.Tom	8551 Tom16	Synth Drum 2	808 Tom 2
	44	Pedal HHat2	Pop Hi Hat2	CR-78 chh	CR-78 chh	Jungle HH	Pedal HiHat	HipHopC HH	Pedal HiHat	808_chh	808_chh
	45	Rock Tom 4	Flam Tom 45	Synth Drum 2	909 Tom	909 Tom	Brush Tom	606 Dist.Tom	8551 Tom12	Synth Drum 2	808 Tom 2
	46	Open HHat2	Pop Hi Hat3	CR-78 ohh	909 OH	606 HHat Op	R8 OHh2	909 OH	HipHopOHH	Jazz Open HH	TR-808 OHH
	47	Rock Tom 4	Tom 47	Synth Drum 2	909 Tom	909 Tom	Brush Tom	606 Dist.Tom	8551 Tom12	Synth Drum 2	808 Tom 2
	48	Rock Tom 1	Flam Tom 50	Synth Drum 2	909 Tom	909 Tom	Brush Tom	606 Dist.Tom	8551 Tom10	Synth Drum 2	808 Tom 2
	49	Crash Cym.1	Pop Cymbal2	808 Crash	909 Crash	Jngl Crash	909 Crash	909 Crash	8551 CrsCym1	Crash Cym.1	808 Crash
C4	50	Rock Tom 1	Tom 50	Synth Drum 2	909 Tom	909 Tom	Brush Tom	606 Dist.Tom	8551 Tom10	Synth Drum 2	808 Tom 2
	51	Ride Cymbal	Pop Ride1	606 Ride Cym	909 Ride Cym	Ride Cymbal	Ride Cymbal	Ride Cymbal	8551 RdCym	Ride Cymbal	606 Ride Cym
	52	ChinaCymbal	Pop Cymbal	ReverseCymb1	ReverseCymb1	ReverseCymb1	ReverseCymb1	ReverseCymb1	ChinaCymbal	ReverseCymb1	ChinaCymbal
	53	Ride Bell	Pop Ride2	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell	8551 RdBell	Ride Bell	Ride Bell
	54	Tambourine	Tambourine	Shake Tamb	Shake Tamb	Shake Tamb	Shake Tamb	Shake Tamb	Tambourine	Tambourine	CR78 Tmb
	55	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.
	56	Cowbell	ChaChaCowb	808cowbe	808cowbe	808cowbe	808cowbe	808cowbe	Cowbell	Cowbell	808cowbe
	57	Crash Cym.2	CrashCymbal2	Crash Cym.2	909 Crash	Crash Cym.2	Crash Cym.2	909 Crash	Crash Cym.2	Crash Cym.2	909 Crash
	58	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap
	59	Ride Cymbal	RockRideCym1	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal	RideCym Edge
C5	60	Bongo High	HiBongo	Bongo High	CR78 HiBongo	Bongo High	Bongo High	CR78 HiBongo	Bongo High	Bongo High	CR78 HiBongo
	61	Bongo Lo	LoBongo	Bongo Lo	CR78 LoBongo	Bongo Lo	Bongo Lo	CR78 LoBongo	Bongo Lo	Bongo Lo	CR78 LoBongo
	62	Mute H.Conga	CongaSlap	Mute H.Conga	808 Conga	Mute H.Conga	Mute H.Conga	808 Conga	Mute H.Conga	Mute H.Conga	808 Conga
	63	Conga Hi Opn	CongaOp	Conga Hi Opn	808 Conga	Conga Hi Opn	Conga Hi Opn	808 Conga	Conga Hi Opn	Conga Hi Opn	808 Conga
	64	Conga Lo Opn	LoConga	Conga Lo Opn	808 Conga	Conga Lo Opn	Conga Lo Opn	808 Conga	Conga Lo Opn	Conga Lo Opn	808 Conga
	65	High Timbale	Timbal Hi	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale
	66	Low Timbale	Timbal Lo	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale
	67	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
	68	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
	69	Cabasa	Shaker2	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
C6	70	Maracas	Shaker1	Maracas	808marac	808marac	808marac	808marac	Maracas	Maracas	808marac
	71	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle
	72	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle
	73	Short Guiro	Quide1	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro
	74	Long Guiro	Quide2	Long Guiro	CR78 Guiro	CR78 Guiro	CR78 Guiro	CR78 Guiro	Long Guiro	Long Guiro	CR78 Guiro
	75	Claves	Claves	Claves	808clave	808clave	808clave	808clave	Claves	Claves	808clave
	76	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock
	77	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock
	78	Mute Cuica	Mute Cuica	Hoo	Hoo	Hoo	Hoo	Hoo	Mute Cuica	Mute Cuica	Hoo
	79	Open Cuica	Open Cuica	Hoo	Hoo	Hoo	Hoo	Hoo	Open Cuica	Open Cuica	Hoo
C7	80	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl
	81	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl
	82	Shaker	Shaker	626 Shaker	626 Shaker	626 Shaker	626 Shaker	626 Shaker	Shaker	Shaker	626 Shaker
	83	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
	84	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
	85	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets
	86	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
	87	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo
	88	Applause 2	Cana	Small Club	Applause 2	Small Club	Applause 2	ReverseCymb1	Small Club	Small Club	Small Club
	89	---	Timbal HiFlm	66sn260	66sn260	Jngl BD Roll	Rap Snare	Dance Snare1	Hoo	---	---
90	---	Timbal LoFlm	909 SD 1	Dance Snare1	Jngl SD Roll	Power Snare2	Elec Snare 2	Hoo	---	---	
91	---	Timbal PHS	909 SD 1	66sn260	Noise Slap	Dance Snare1	8551 Snare1	MuteTriangl	---	---	
92	---	Shekere 1	House SD	Dance Snare1	Dance Snare1	8551 Snare1	House SD	OpenTriangl	---	---	
93	---	Shekere2	Rap Snare	Dance Snare1	909 SD 1	8551 Snare2	Rap Snare	MuteTriangl	---	---	
94	---	Bongo Mute	House SD	Rap Snare	Elec Snare 2	82Rm Snare1	House SD	OpenTriangl	---	---	
95	---	L BongoMute	Dance Snare1	House SD	Dance Snare1	82Rm Snare2	Dance Snare1	808 Tom 2	---	---	
96	---	CajonHi	Rap Snare	House SD	Rap Snare	Dance Snare1	Rap Snare	808 Tom 2	---	---	

E-60/E-50 Music Workstation  
Drum Sets | Parameter Reference

	PC: 1 [CC32: 4] STANDARD 1	PC: 2 [CC32: 4] STANDARD 2	PC: 9 [CC32: 4] ROOM	PC: 3 [CC32: 4] STANDARD L/R	PC: 13 [CC32: 4] ROOM L/R	PC: 4 [CC32: 4] New Pop	PC: 8 [CC32: 4] New Folk	PC: 45 [CC32: 4] New BrushPop	PC: 46 [CC32: 4] NewPopBrush_Perc.	PC: 47 [CC32: 4] NewPop_Percussion
(C7)	96	82Rm Snare1	---	85S1 Snare1	85S1 BsDrum2	85Rm BsDrum2	CajonHi	CajonHi	CajonHi	CajonHi
	97	Std.1 Snare1	Std.1 Snare1	Std.1 Snare1	Crash Cym.1	Crash Cym.1	CajonHiFilm	CajonHiFilm	CajonHiFilm	CajonHiFilm
	98	Std.1 Snare2	Std.1 Snare2	85S1 Snare2	82Rm Snare2	82Rm Snare2	Cajon Low	Cajon Low	CajonLo	CajonLo
	99	Std.2 Snare1	Std.2 Snare1	Std.2 Snare1	Ride Cymbal	Ride Cymbal	CajonLoFilm	CajonLoFilm	CajonLoFilm	CajonLoFilm
	100	Std.2 Snare2	Std.2 Snare2	Std.2 Snare2	85S1 Snare1	82Rm Snare1	FilmcoHClap1	Filmco Clap1	FilmcoHClap1	FilmcoHClap1
	101	Tight Snare	Tight Snare	Tight Snare	Real Tom 6	Room Tom 5	FilmcoHClap1	Filmco Clap1	FilmcoHClap1	FilmcoHClap1
	102	Standard SN1	Standard SN1	Standard SN1	Close HiHat2	Room Chh	BongoCowBell	BongoCowBell	BongoCowBell	BongoCowBell
	103	LD Snare M	LD Snare M	LD Snare M	Real Tom 4	Room Tom 2	PopSnareFl	PopSnareFl_L	BrushSnare Shot	Crotals
	104	LD Snare C	LD Snare C	LD Snare C	Ride Bell	Ride Bell	MamboCowBell	MamboCowBell	MamboCowBell	MamboCowBell
	105	Jazz Snare 1	Jazz Snare 1	Jazz Snare 1	Real Tom 1	Room Tom 2	PopSnareDrag	SnareDrag	Phrase3	CrashPhrase4
	106	Jazz Snare 2	Jazz Snare 2	Jazz Snare 2	Open HiHat2	R8 Ohh2	HiHatPhrase3	HiHatPhrase3	Phrase1	CrashPhrase5
	107	Room Snare 1	Room Snare 1	Room Snare 1	82S1BsDrum1P	82RmBsDrum1P	CrashPhrase1	CrashPhrase1	RidePhrase1	RidePhrase1
	108	Room Snare 2	Room Snare 2	Room Snare 2	82S1BsDrum2P	82RmBsDrum2P	CrashPhrase2	CrashPhrase2	RidePhrase2	RidePhrase2
	109	Dance Snare1	Dance Snare1	Dance Snare1	82JzCrsCym1P	82JzCrsCym1P	CrashPhrase3	CrashPhrase3	RidePhrase4	RidePhrase4
	110	Power Snare1	Power Snare1	Power Snare1	82S1Snare2P	82RmSnare2 P	CrashPhrase4	CrashPhrase4	CrashPhrase4	Egg_M3
	111	Rev.Snare	Rev.Snare	Rev.Snare	Ride_c P	Ride_c P	CrashPhrase5	CrashPhrase5	CrashPhrase5	Egg_MEndOff
	112	Power Snare2	Power Snare2	Power Snare2	82S1 Snare1P	82RmSnare1P	Crash_Stop	Crash_Stop	SnareBrushFlam	Egg_M_SW1
	113	Elec Snare 1	Elec Snare 1	Elec Snare 1	Real6_t P	Room Tom 5 P	RidePhrase1	RidePhrase1	RidePhrase1	Egg_L4
	114	Dance Snare2	Dance Snare2	Dance Snare2	82St ClsHatP	82Rm ClsHatP	RidePhrase2	RidePhrase2	RidePhrase2	Egg_LEndOff
	115	Elec Snare 2	Elec Snare 2	Elec Snare 2	Real4_t P	Room Tom 2 P	RidePhrase3	RidePhrase3	RidePhrase3	Egg_L_SW1
	116	Elec. Snare	Elec. Snare	Elec. Snare	Ridbl_c P	Ridbl_c P	RidePhrase4	RidePhrase4	RidePhrase4	Egg_TuttiEndOff
	117	Elec Snare 3	Elec Snare 3	Elec Snare 3	Real1_t P	Room Tom 2 P	RidePhrase5	RidePhrase5	RidePhrase5	Egg_S4
	118	TR-707 SD	TR-707 SD	TR-707 SD	82S1OpenHatP	82RmOpenHatP	RidePhrase1	RidePhrase1	Cascade_Ending	Egg_SEndOff
	119	808 Snare 1	808 Snare 1	808 Snare 1	---	---	RidePhrase2	RidePhrase2	Chimes&Seeds	Egg_S_SW1
	120	808 Snare 2	808 Snare 2	808 Snare 2	---	---	RidePhrase4	RidePhrase4	Chimes	Chimes
	121	909 Snare 1	909 Snare 1	909 Snare 1	---	---	ChinaRoll	AAhhh	Crotals	DoorKeys
	122	909 Snare 2	909 Snare 2	909 Snare 2	---	---	ChinaStopped	Uaahh	DoorKeys	Pinchimes
	123	Rap Snare	Rap Snare	Rap Snare	---	---	Egg S4	Egg S4	Harness-bell1	Harness-bell1
	124	JungleSD1	JungleSD1	JungleSD1	---	---	Egg S1	Egg S1	Harness-bell2	Harness-bell2
	125	House SD	House SD	House SD	---	---	Egg AllEndOff	Egg EndOff	Egg EndOff	Harness-bell3
	126	House Snare	House Snare	House Snare	---	---	Tambour Ending	CembaloEnding	CembaloEnding	CembaloEnding
G9	127	House SD	House SD	House SD	---	---	Tambour Free	CembaloFree	CembaloFree	CembaloFree

	PC: 17 [CC32: 4] POWER	PC: 18 [CC32: 4] New Rock	PC: 27 [CC32: 4] DANCE	PC: 14 [CC32: 4] HOUSE	PC: 11 [CC32: 4] JUNGLE	PC: 10 [CC32: 4] HIP HOP	PC: 12 [CC32: 4] TECHNO	PC: 32 [CC32: 4] MultiDrum	PC: 25 [CC32: 4] ELECTRONIC	PC: 26 [CC32: 4] TR-808
(C7)	96	---	CajonHi	Rap Snare	House SD	Rap Snare	Dance Snare1	Rap Snare	808 Tom 2	---
	97	Std.1 Snare1	CajonHiFilm	Techno Hit	Techno Hit	Techno Hit	Techno Hit	Techno Hit	808 Tom 2	Techno Hit
	98	Std.1 Snare2	Cajon Low	Philly Hit	Philly Hit	Philly Hit	Philly Hit	Philly Hit	808 Tom 2	Philly Hit
	99	Std.2 Snare1	CajonLoFilm	Shock Wave	Shock Wave	Shock Wave	Shock Wave	Shock Wave	808 Tom 2	Shock Wave
	100	Std.2 Snare2	FilmcoHClap1	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	808 Tom 2	Lo Fi Rave
	101	Tight Snare	FilmcoHClap1	Bam Hit	Bam Hit	Bam Hit	Bam Hit	Bam Hit	808cowbe	Bam Hit
	102	Standard SN1	BongoCowBell	Bim Hit	Bim Hit	Bim Hit	Bim Hit	Bim Hit	808 Conga	Bim Hit
	103	LD Snare M	RockSnareFl_H	TapeRewind	TapeRewind	TapeRewind	TapeRewind	TapeRewind	808 Conga	TapeRewind
	104	LD Snare C	MamboCowBell	Phono Noise	Phono Noise	Phono Noise	Phono Noise	Phono Noise	808 Conga	Phono Noise
	105	Jazz Snare 1	Snare Ghost	Dance Snare1	Dance Snare1	Dance Snare1	Dance Snare1	Dance Snare1	Synth Drum 2	Dance Snare1
	106	Jazz Snare 2	HiHatPhrase3	Power Snare2	Power Snare2	Power Snare2	Power Snare2	Power Snare2	Synth Drum 2	Power Snare2
	107	Room Snare 1	Crash2Phrase4	Elec Snare 1	Elec Snare 1	Elec Snare 1	Elec Snare 1	Elec Snare 1	Synth Drum 2	Elec Snare 1
	108	Room Snare 2	Crash1Phrase3	Dance Snare2	Dance Snare2	Dance Snare2	Dance Snare2	Dance Snare2	Synth Drum 2	Dance Snare2
	109	Dance Snare1	Crash1Phrase4	Elec Snare 2	Elec Snare 2	Elec Snare 2	Elec Snare 2	Elec Snare 2	Synth Drum 2	Elec Snare 2
	110	Power Snare1	CrashPhrase4	Elec. Snare	Elec. Snare	Elec. Snare	Elec. Snare	Elec. Snare	Synth Drum 2	Elec. Snare
	111	Rev.Snare	CrashPhrase5	Elec Snare 3	Elec Snare 3	Elec Snare 3	Elec Snare 3	Elec Snare 3	R&B OHHsh	Elec Snare 3
	112	Power Snare2	RidePhrase1	66sn260	66sn260	66sn260	66sn260	66sn260	R&B OHH	66sn260
	113	Elec Snare 1	RidePhrase2	TR-707 SD	TR-707 SD	TR-707 SD	TR-707 SD	TR-707 SD	R&B CHH	TR-707 SD
	114	Dance Snare2	RidePhrase3	808 Snare 1	808 Snare 1	808 Snare 1	808 Snare 1	808 Snare 1	R&B OHH	808 Snare 1
	115	Elec Snare 2	RidePhrase4	808 Snare 2	808 Snare 2	808 Snare 2	808 Snare 2	808 Snare 2	TR-909 CHH	808 Snare 2
	116	Elec. Snare	RidePhrase5	TR-808 SD2	TR-808 SD2	TR-808 SD2	TR-808 SD2	TR-808 SD2	TR-909 OHH	TR-808 SD2
	117	Elec Snare 3	BrushRidePhrase4	909 Snare 1	909 Snare 1	909 Snare 1	909 Snare 1	909 Snare 1	909 Crash	909 Snare 1
	118	TR-707 SD	Crash1Phrase1	909 Snare 2	909 Snare 2	909 Snare 2	909 Snare 2	909 Snare 2	IPopKik36	909 Snare 2
	119	808 Snare 1	Crash1Stopped	909 SD 1	909 SD 1	909 SD 1	909 SD 1	909 SD 1	IPopCstK37st	909 SD 1
	120	808 Snare 2	Crash2Stopped	TR-909 SD2	TR-909 SD2	TR-909 SD2	TR-909 SD2	TR-909 SD2	IPopSn38st	TR-909 SD2
	121	909 Snare 1	ChinaStopped	Rap Snare	Rap Snare	Rap Snare	Rap Snare	Rap Snare	IPopSn40st	Rap Snare
	122	909 Snare 2	Crash1StopLong	JungleSD1	JungleSD1	JungleSD1	JungleSD1	JungleSD1	IPopHat1_42	JungleSD1
	123	Rap Snare	Crash2StopLong	House SD	House SD	House SD	House SD	House SD	IPopHat2_44	House SD
	124	JungleSD1	ChinaRoll	House Snare	House Snare	House Snare	House Snare	House Snare	IPopHat3_46	House Snare
	125	House SD	Egg EndOff	House SD	House SD	House SD	House SD	House SD	IPopTomL43	House SD
	126	House Snare	CembaloEnding	Voice Tah	Voice Tah	Voice Tah	Voice Tah	Voice Tah	IPopTomM47	Voice Tah
G9	127	House SD	CembaloFree	Noise Slap	Noise Slap	Noise Slap	Noise Slap	Noise Slap	IPopTomH50	Noise Slap



	PC: 28 [CC32: 4]	PC: 29 [CC32: 4]	PC: 30 [CC32: 4]	PC: 31 [CC32: 4]	PC: 44 [CC32: 4]	PC: 43 [CC32: 4]	PC: 41 [CC32: 4]	PC: 42 [CC32: 4]	PC: 33 [CC32: 4]	PC: 34 [CC32: 4]
	CR-78	TR-606	TR-707	TR-909	V-JazzBrush	BRUSH 2 L/R	BRUSH	BRUSH 2	JAZZ	JAZZ L/R
C-1	0	Elec Kick 2	Elec Kick 2	Elec Kick 2	Elec Kick 2	HipHop BD1	---	Std.1 Kick1	Std.1 Kick1	---
	1	Elec Kick 1	Elec Kick 1	Elec Kick 1	Elec Kick 1	Jazz Kick 1	---	Std.1 Kick2	Std.1 Kick2	---
	2	CR78 BD 1	CR78 BD 1	CR78 BD 1	CR78 BD 1	Mex_Kik36	---	Std.2 Kick1	Std.2 Kick1	---
	3	CR78 BD 2	CR78 BD 2	CR78 BD 2	CR78 BD 2	85Rm BsDrum1	---	Std2 Kick2	Std2 Kick2	---
	4	TR-606 BD1	TR-606 BD1	TR-606 BD1	TR-606 BD1	85Rm BsDrum2	---	Kick 1	Kick 1	---
	5	TR-707 BD	TR-707 BD	TR-707 BD	TR-707 BD	HipHop BD2	---	Kick 2	Kick 2	---
	6	808 Kick	808 Kick	808 Kick	808 Kick	Techno BD1	---	Jazz Kick 1	Jazz Kick 1	---
	7	TR-808 Kick	TR-808 Kick	TR-808 Kick	TR-808 Kick	JungleBD Set	---	Jazz Kick 2	Jazz Kick 2	---
	8	808 BD	808 BD	808 BD	808 BD	HipHop BD1	---	Room Kick 1	Room Kick 1	---
	9	TR-909 Kick	TR-909 Kick	TR-909 Kick	TR-909 Kick	909 Comp BD	---	Room Kick 2	Room Kick 2	---
	10	Dance Kick 2	Dance Kick 2	Dance Kick 2	Dance Kick 2	8551 BsDrum1	---	Power Kick1	Power Kick1	---
	11	909 Comp BD	909 Comp BD	909 Comp BD	909 Comp BD	NewJzKik	---	Power Kick2	Power Kick2	---
	12	TR-909 BD2	TR-909 BD2	TR-909 BD2	TR-909 BD2	NewRockKik	---	Elec Kick 2	Elec Kick 2	---
	13	HipHop BD2	HipHop BD2	HipHop BD2	HipHop BD2	Cymbal Roll	---	Elec Kick 1	Elec Kick 1	---
	14	JungleBD Set	JungleBD Set	JungleBD Set	JungleBD Set	NewRkCstK_2	---	TR-808 Kick	TR-808 Kick	---
	15	Techno BD1	Techno BD1	Techno BD1	Techno BD1	82Rm Snare1	---	TR-909 Kick	TR-909 Kick	---
	16	Bounce	Bounce	Bounce	Bounce	82Rm Snare2	---	Dance Kick 2	Dance Kick 2	---
	17	Voice One	Voice One	Voice One	Voice One	8551 Snare1	Voice One	Voice One	Voice One	Voice One
	18	Voice Two	Voice Two	Voice Two	Voice Two	8551 Snare2	Voice Two	Voice Two	Voice Two	Voice Two
	19	Voice Three	Voice Three	Voice Three	Voice Three	NewJzSn2	Voice Three	Voice Three	Voice Three	Voice Three
	20	---	---	---	---	NewJzSn1	---	82Jz BsDrum1	82Jz BsDrum1	---
	21	---	---	---	---	NewR8BSn	---	82Jz BsDrum2	82Jz BsDrum2	---
	22	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	IPopSn38_2	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep
	23	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep	IPopSn40_2	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep
	24	Concert Snr	Concert Snr	Concert Snr	Concert Snr	IPopSn38_2	Concert Snr	Concert Snr	Concert Snr	Concert Snr
	25	Snare Roll	Snare Roll	Snare Roll	Snare Roll	IPopGtS39_2	Snare Roll	Snare Roll	Snare Roll	Snare Roll
	26	FingerSnaps2	FingerSnaps2	FingerSnaps2	FingerSnaps2	IPopSn38_2	Finger Snap	Finger Snap	Finger Snap	Finger Snap
	27	High-Q	High-Q	High-Q	High-Q	FingerSnaps2	High-Q	High-Q	High-Q	High-Q
	28	Slap	Slap	Slap	Slap	909 HandClap	Slap	Slap	Slap	Slap
	29	Scrctch Push2	Scrctch Push2	Scrctch Push2	Scrctch Push2	808clap	ScratchPush	ScratchPush	ScratchPush	ScratchPush
	30	Scrctch Pull2	Scrctch Pull2	Scrctch Pull2	Scrctch Pull2	Hand clap2	ScratchPull	ScratchPull	ScratchPull	ScratchPull
	31	Sticks	Sticks	Sticks	Sticks	909 HandClap	Sticks	Sticks	Sticks	Sticks
	32	SquareClick	SquareClick	SquareClick	SquareClick	NewJzHatPdl	SquareClick	SquareClick	SquareClick	SquareClick
	33	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	GospelHClp1	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click
	34	Mtrnm. Bell	Mtrnm. Bell	Mtrnm. Bell	Mtrnm. Bell	IPopSRl30_1	Mtrnm. Bell	Mtrnm. Bell	Mtrnm. Bell	Mtrnm. Bell
	35	CR78 BD 2	CR78 BD 2	TR-707 BD 2	Techno BD2	NewJzKik	82Br BsDrum1	Jazz Kick 2	82Br BsDrum1	82Jz BsDrum1
	36	CR78 BD 1	TR-606 BD1	TR-707 BD	TR-909 BD2	NewJzKik	82Br BsDrum2	Jazz Kick 1	82Br BsDrum2	82Jz BsDrum2
	37	CR78 Rim	CR78 Rim	TR-707 Rim	TR-909 Rim	NewJzSW1	Side Stick	Side Stick	Side Stick	Side Stick
	38	CR78 SD 1	66sn160	TR-707 SD	909 SD 1	NewJzSn1	82Br Snare1	Brush Swirl	82Br Snare1	82Jz Snare1
	39	707 Claps	707 Claps	707 Claps	909 HandClap	NewJzSW2	82Br Snare2	Brush Slap1	82Br Snare2	Hand clap2
	40	CR78 SD 2	66sn260	TR-707 SD 2	TR-909 SD2	NewJzSn2	Brush Swirl	Brush Swirl	82Jz Snare2	82Jz Snare2
	41	78 TOM	606 Tom	TR-707 Tom	909 Tom	NewJzTomLoFl	Lite Tom 4	Lite Tom 4	Real Tom 6	Real Tom 6
	42	CR-78 chh	606 CH	TR-707 HH-c	TR-707 HH-c	NewJzHat1	82BrClHatB	Brs Chh	Brs Chh	82JzClHatB
	43	78 TOM	606 Tom	TR-707 Tom	909 Tom	NewJzTomLoFl	Lite Tom 4	Lite Tom 4	Real Tom 6	Real Tom 6
	44	606 CH	606 CH	TR-707 HH-c	TR-707 HH-c	NewJzHat2	Pedal HiHat	Pedal HiHat	Pedal HiHat	Pedal HiHat
	45	78 TOM	606 Tom	TR-707 Tom	909 Tom	NewJzTomMFl	Lite Tom 4	Lite Tom 4	Real Tom 4	Real Tom 4
	46	CR-78 ohh	606 HiHat Op	TR-707 OHH	909 OH	NewJzHat3	82BrOpenHatB	Brush Ohh	Jazz Open HH	82JzOpenHatB
	47	78 TOM	606 Tom	TR-707 Tom	909 Tom	NewRkTomMid	Lite Tom 4	Lite Tom 4	Real Tom 4	Real Tom 4
	48	78 TOM	606 Tom	TR-707 Tom	909 Tom	NewJzTomHFl	Lite Tom 4	Lite Tom 4	Real Tom 1	Real Tom 1
	49	808 Crash	808 Crash	909 Crash	909 Crash	NewJzCrCym1	82BrCrCym1B	Brush Crash	Brush Crash	Crash Cym.1
	50	78 TOM	606 Tom	TR-707 Tom	909 Tom	NewJzTomHi	Lite Tom 4	Lite Tom 4	Real Tom 1	Real Tom 1
	51	606 Ride Cym	606 Ride Cym	909 Ride Cym	909 Ride Cym	NewJzRide1	82BrRdCymB	Ride Cym IN	Ride Cym IN	Ride j B
	52	ChinaCymbal	ChinaCymbal	ChinaCymbal	ChinaCymbal	NewJzCrCym2	ChinaCymbal	ChinaCymbal	ChinaCymbal	ChinaCymbal
	53	Ride Bell	Ride Bell	Ride Bell	Ride Bell	NewJzRide2	82BrRdBellB	Brush RideBL	Brush RideBL	RideBl_c B
	54	CR78 Tmb	CR78 Tmb	344Tambourne	344Tambourne	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine
	55	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.
	56	CR78 Cow	CR78 Cow	808cowbe	808cowbe	ChaChaBell	Cowbell	Cowbell	Cowbell	Cowbell
	57	909 Crash	909 Crash	Crash Cym.2	Crash Cym.2	NewJzCrCym1	Crash Cym.2	Crash Cym.2	Crash Cym.2	Crash Cym.2
	58	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap
	59	RideCym Edge	RideCym Edge	RideCym Edge	RideCym Edge	NewRkRdCym1	RideCym Edge	RideCym Edge	RideCym Edge	RideCym Edge
	60	CR78 HiBongo	CR78 HiBongo	Bongo High	Bongo High	NewHiBongo	Bongo High	Bongo High	Bongo High	Bongo High
	61	CR78 LoBongo	CR78 LoBongo	Bongo Lo	Bongo Lo	NewLoBongo	Bongo Lo	Bongo Lo	Bongo Lo	Bongo Lo
	62	808 Conga	808 Conga	Mute H. Conga	Mute H. Conga	NewCongaSlp	Mute H. Conga	Mute H. Conga	Mute H. Conga	Mute H. Conga
	63	808 Conga	808 Conga	Conga Hi Opn	Conga Hi Opn	NewCongaOp	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn
	64	808 Conga	808 Conga	Conga Lo Opn	Conga Lo Opn	NewLoConga	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn
	65	High Timbale	High Timbale	High Timbale	High Timbale	NewTmbHi	High Timbale	High Timbale	High Timbale	High Timbale
	66	Low Timbale	Low Timbale	Low Timbale	Low Timbale	NewTmbLo	Low Timbale	Low Timbale	Low Timbale	Low Timbale
	67	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
	68	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
	69	Cabasa	Cabasa	Cabasa	Cabasa	NewShaker2	Cabasa	Cabasa	Cabasa	Cabasa
	70	CR78 Maracas	CR78 Maracas	808marac	808marac	NewShaker1	Maracas	Maracas	Maracas	Maracas
	71	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle
	72	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle
	73	Short Guiro	Short Guiro	Short Guiro	Short Guiro	NewQuide1	Short Guiro	Short Guiro	Short Guiro	Short Guiro
	74	CR78 Guiro	CR78 Guiro	Long Guiro	CR78 Guiro	NewQuide2	Long Guiro	Long Guiro	Long Guiro	Long Guiro
	75	CR78 Clv	CR78 Clv	Claves	808clave	NewClaves	Claves	Claves	Claves	Claves
	76	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock
	77	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock
	78	Hoo	Hoo	Hoo	Hoo	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica
	79	Hoo	Hoo	Hoo	Hoo	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica
	80	CR78 M.Beats	CR78 M.Beats	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl
	81	CR78 M.Beats	CR78 M.Beats	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl
	82	626 Shaker	626 Shaker	626 Shaker	626 Shaker	Shaker	Shaker	Shaker	Shaker	Shaker
	83	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
	84	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
	85	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets
	86	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
	87	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo
	88	Small Club	Small Club	Small Club	Applause 2	Cana	Applause	Applause	Applause	Applause
	89	---	---	---	---	NewTmbHiFim	---	---	---	---
	90	---	---	---	---	NewTmbLoFim	---	---	---	---
	91	---	---	---	---	NewTmbPH5	---	---	---	---
	92	---	---	---	---	NewShekere1	---	---	---	---
	93	---	---	---	---	NewShekere2	---	---	---	---
	94	---	---	---	---	NHnngoMute	---	---	---	---
	95	---	---	---	---	NewLnngoMute	82Br BsDrum1	---	---	82Jz BsDrum1
	96	---	---	---	---	CajonHi	82Br BsDrum2	---	---	82Jz BsDrum2

	PC: 49 [CC32: 4]	PC: 64 [CC32: 4]	PC: 50 [CC32: 4]	PC: 57 [CC32: 4]
	ORCHESTRA	V-VoxDrum	ETHNIC	SFX
C-1	0	Std.1 Kick1	HipHop BD1	---
	1	Std.1 Kick2	Jazz Kick 1	---
	2	Std.2 Kick1	p05002v	---
	3	Std2 Kick2	85Rm BsDrum1	---
	4	Kick 1	85Rm BsDrum2	---
	5	Kick 2	HipHop BD2	---
	6	Jazz Kick 1	Techno BD1	---
	7	Jazz Kick 2	JungleBD Set	---
	8	Room Kick 1	HipHop BD1	---
	9	Room Kick 2	909 Comp BD	---
	10	Power Kick1	85S1 BsDrum1	---
	11	Power Kick2	NewJzKik	---
C0	12	Elec Kick 2	NewRockKik	---
	13	Elec Kick 1	Cymbal Roll	---
	14	TR-808 Kick	NewRkCstk_2	---
	15	TR-909 Kick	82Rm Snare1	---
	16	Dance Kick 2	82Rm Snare2	---
	17	Voice One	85S1 Snare1	---
	18	Voice Two	85S1 Snare2	---
	19	Voice Three	NewJzSn2	---
	20	---	NewJzSn1	---
	21	---	NewR&BSn	MC-500 Beep
	22	MC-500 Beep	NewRockSn2_2	MC-500 Beep
	23	MC-500 Beep	NewRockSn1_2	ytwn3.xtp
C1	24	Concert Snr	IPopSn38_2	ytwn2.xtp
	25	Snare Roll	IPopGstS39_2	Finger Snap
	26	Finger Snap	IPopSn38_2	Tambourine
	27	Jazz Cstd.HH	FingerSnaps2	Castanets
	28	Pedal HiHat	909 HandClap	Crash Cym.1
	29	Jazz Open HH	808clap	Snare Roll
	30	Ride Cymbal	Hand clap2	Concert Snr
	31	Sticks	909 HandClap	Concert Cym
	32	SquareClick	IPopPHat32	Concert BD
	33	Mtrnm.Click	GospelHClp1	Jingle Bell
	34	Mtrnm. Bell	p35010v	Bell Tree
	35	Jazz Kick 1	p05006v	Bar Chimes
C2	36	Concert BD	p33079v	Wadaiko
	37	Side Stick	p33146v	Wadaiko Rim
	38	Concert Snr	p32011v	Shimedaiko
	39	Castanets	p43001v	Atarigane
	40	Concert Snr	p33137v	Hyoushigi
	41	Timpani	p33168v	Ohkawa
	42	Timpani	p33012v	H kotsuzumi
	43	Timpani	p34001v	L kotsuzumi
	44	Timpani	p33014v	Ban_Gu
	45	Timpani	p33157v	Big Gong
	46	Timpani	p33019v	Small Gong
	47	Timpani	p33164v	Bend Gong
C3	48	Timpani	p33159v	RAMA Cymbal
	49	Timpani	p35029v	RAMA Cymbal
	50	Timpani	p33158v	Gamelan Gong
	51	Timpani	p43002v	Udo_Short
	52	Timpani	cym013v	Udo_Long
	53	Timpani	p45002v	Udo_slap
	54	Tambourine	p36017v	Bendir
	55	Splash Cym.	p34109v	Req_Dum
	56	Cowbell	p36019v	Req_tik
	57	Con.Cymbal2	p44001v	Tabla_Te
	58	Vibraslap	p36009v	Tabla_Na
	59	Concert Cym.	AFaahhh	Tabla_Tun
C4	60	Bongo High	NewHiBongo	Tabla_Ge
	61	Bongo Lo	NewLoBongo	Tabla_Ge Hi
	62	Mute H.Conga	NewCongaSlp	Talking Drum
	63	Conga Hi Opn	NewCongaOp	Bend tlk_drm
	64	Conga Lo Opn	NewLoConga	Caxixi
	65	High Timbale	NewTmbLHi	Djembe
	66	Low Timbale	NewTmbLlo	Djembe_rim
	67	Agogo	Agogo	Low Timbale
	68	Agogo	Agogo	Timbl Paila
	69	Cabasa	NewShaker2	High Timbale
	70	Maracas	NewShaker1	Cowbell
	71	ShrtWhistle	ShrtWhistle	Bongo High
C5	72	LongWhistle	LongWhistle	Bongo Lo
	73	Short Guiro	NewQuide1	Mute H.Conga
	74	Long Guiro	NewQuide2	Conga Hi Opn
	75	Claves	NewClaves	Conga MtLow
	76	Woodblock	Woodblock	Conga Slap
	77	Woodblock	Woodblock	Conga Lo Opn
	78	Mute Cuica	Mute Cuica	Conga Slide
	79	Open Cuica	Open Cuica	Mut Pandiero
	80	MuteTriangl	MuteTriangl	Opn Pandiero
	81	OpenTriangl	OpenTriangl	Open Surdo
	82	Shaker	Shaker	Mute Surdo
	83	Jingle Bell	Jingle Bell	Tamborim
C6	84	Bell Tree	Bell Tree	Agogo
	85	Castanets	Castanets	Agogo
	86	Mute Surdo	Mute Surdo	Shaker
	87	Open Surdo	Open Surdo	Low Whistle
	88	Applause	Cana	Low Whistle
	89	---	NewTmbLHiFim	Mute Cuica
	90	---	NewTmbLloFim	Open Cuica
	91	---	NewTmbLPH5	MuteTriangl
	92	---	NewShekere1	OpenTriangl
	93	---	NewShekere2	Short Guiro
	94	---	NHBngoMute	Long Guiro
	95	---	NewLBngoMute	Cabasa Up
C7	96	---	CajonHi	Cabasa Down

	PC: 28 [CC32: 4] CR-78	PC: 29 [CC32: 4] TR-606	PC: 30 [CC32: 4] TR-707	PC: 31 [CC32: 4] TR-909	PC: 44 [CC32: 4] V-JazzBrush	PC: 43 [CC32: 4] BRUSH 2 L/R	PC: 41 [CC32: 4] BRUSH	PC: 42 [CC32: 4] BRUSH 2	PC: 33 [CC32: 4] JAZZ	PC: 34 [CC32: 4] JAZZ L/R
(C7) 96	---	---	---	---	CajonHi	82Br BsDrum2	---	---	---	82Jz BsDrum2
97	Techno Hit	Techno Hit	Techno Hit	Techno Hit	CajonHiFlm	Brush Crash	---	---	---	Crash Cym.1
98	Philly Hit	Philly Hit	Philly Hit	Philly Hit	CajonLo	82Br Snare1	---	82Jz Snare1	82Br Snare1	82Jz Snare1
99	Shock Wave	Shock Wave	Shock Wave	Shock Wave	CajonLoFlm	Ride Cym IN	---	82Jz Snare2	82Br Snare2	Ride Cym IN
100	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	FilmcoHClp1	82Br Snare2	Brush Swirl	Brush Swirl	Brush Swirl	82Jz Snare2
101	Bam Hit	Bam Hit	Bam Hit	Bam Hit	FilmcoHClp1	Lite Tom 4	Brush Tap	Brush Tap	Brush Tap	Real Tom 6
102	Bim Hit	Bim Hit	Bim Hit	Bim Hit	BongoCowBell	Brs Chh	Brush Slap1	Brush Slap1	Brush Slap1	Jazz Clsd.HH
103	TapeRewind	TapeRewind	TapeRewind	TapeRewind	AfHey	Lite Tom 4	Brush Slap2	Brush Slap2	Brush Slap2	Real Tom 4
104	Phono Noise	Phono Noise	Phono Noise	Phono Noise	MamboCowBell	Brush RideBL	Brush Slap	Brush Slap	Brush Slap	Ride Bell
105	Dance Snare1	Dance Snare1	Dance Snare1	Dance Snare1	MexFVox2	Lite Tom 4	Brush Swirl	Brush Swirl	Brush Swirl	Real Tom 1
106	Power Snare2	Power Snare2	Power Snare2	Power Snare2	AfFoots	Brush Ohh	Brush Swirl	Brush Swirl	Brush Swirl	Jazz Open HH
107	Elec Snare 1	Elec Snare 1	Elec Snare 1	Elec Snare 1	MexFVox1	82BrBsDrum1P	Long Swirl	Long Swirl	Long Swirl	82JzBsDrum1P
108	Dance Snare2	Dance Snare2	Dance Snare2	Dance Snare2	MexMVox1	82BrBsDrum2P	Jazz Snare 1	Jazz Snare 1	Jazz Snare 1	82JzBsDrum2P
109	Elec Snare 2	Elec Snare 2	Elec Snare 2	Elec Snare 2	YodelFVox1	82BrCrsCym1P	Jazz Snare 2	Jazz Snare 2	Jazz Snare 2	82JzCrsCym1P
110	Elec Snare	Elec Snare	Elec Snare	Elec Snare	MexMVox2	82Br Snare1P	Std.1 Snare1	Std.1 Snare1	Std.1 Snare1	82Jz Snare1P
111	Elec Snare 3	Elec Snare 3	Elec Snare 3	Elec Snare 3	YodelMVox1	82Br RdCym P	Std.1 Snare2	Std.1 Snare2	Std.1 Snare2	Ride_j P
112	66sn260	66sn260	66sn260	66sn260	MexMVox3	82Br Snare2P	Std.2 Snare1	Std.2 Snare1	Std.2 Snare1	82Jz Snare2P
113	TR-707 SD	TR-707 SD	TR-707 SD	TR-707 SD	FilmcoFVox1	Lite4_t P	Std.2 Snare2	Std.2 Snare2	Std.2 Snare2	Real6_t P
114	808 Snare 1	808 Snare 1	808 Snare 1	808 Snare 1	YodelFVox2	82BrClshat P	Tight Snare	Tight Snare	Tight Snare	82Jz ClshatP
115	808 Snare 2	808 Snare 2	808 Snare 2	808 Snare 2	FilmcoFVox2	Lite4_t P	Standard SN1	Standard SN1	Standard SN1	Real4_t P
116	TR-808 SD2	TR-808 SD2	TR-808 SD2	TR-808 SD2	NewWhistle1	82Br RdBellP	LD Snare M	LD Snare M	LD Snare M	Ridbl_c P
117	909 Snare 1	909 Snare 1	909 Snare 1	909 Snare 1	FilmcoFVox3	Lite4_t P	LD Snare C	LD Snare C	LD Snare C	Real1_t P
118	909 Snare 2	909 Snare 2	909 Snare 2	909 Snare 2	NewWhistle2	82BrOpenHatP	Room Snare 1	Room Snare 1	Room Snare 1	82JzOpenHatP
119	909 SD 1	909 SD 1	909 SD 1	909 SD 1	FilmcoMVox1	---	Room Snare 2	Room Snare 2	Room Snare 2	---
120	TR-909 SD2	TR-909 SD2	TR-909 SD2	TR-909 SD2	FilmcoMVox2	---	Dance Snare1	Dance Snare1	Dance Snare1	---
121	Rap Snare	Rap Snare	Rap Snare	Rap Snare	BrazilVox1	---	Power Snare1	Power Snare1	Power Snare1	---
122	JungleSD1	JungleSD1	JungleSD1	JungleSD1	FilmcoMVox3	---	Rev.Snare	Rev.Snare	Rev.Snare	---
123	House SD	House SD	House SD	House SD	BrazilVox2	---	Power Snare2	Power Snare2	Power Snare2	---
124	House Snare	House Snare	House Snare	House Snare	BrazilVox3	---	Elec Snare 1	Elec Snare 1	Elec Snare 1	---
125	House SD	House SD	House SD	House SD	AfAahhh	---	Dance Snare2	Dance Snare2	Dance Snare2	---
126	Voice Tah	Voice Tah	Voice Tah	Voice Tah	p33137v	---	Elec Snare 2	Elec Snare 2	Elec Snare 2	---
g9 127	Noise Slap	Noise Slap	Noise Slap	Noise Slap	p33168v	---	Elec Snare 3	Elec Snare 3	Elec Snare 3	---

	PC: 49 [CC32: 4] ORCHESTRA	PC: 64 [CC32: 4] V-VoxDrum	PC: 50 [CC32: 4] ETHNIC	PC: 57 [CC32: 4] SFX
(C7) 96	---	CajonHi	Cabasa Down	Perc. Bang
97	Applause 2	CajonHiFlm	Claves	---
98	Small Club	CajonLo	Woodblock	---
99	Timpani	CajonLoFlm	Woodblock	---
100	Timpani	FilmcoHClp1	---	---
101	Timpani	FilmcoHClp1	---	---
102	Timpani	BongoCowBell	---	---
103	Timpani	AfHey	---	---
104	Timpani	MamboCowBell	---	---
105	Timpani	MexFVox2	---	---
106	Timpani	AfFoots	---	---
107	Timpani	MexFVox1	---	---
108	Timpani	MexMVox1	---	---
109	Timpani	YodelFVox1	---	---
110	Timpani	MexMVox2	---	---
111	Timpani	YodelMVox1	---	---
112	Timpani	MexMVox3	---	---
113	Timpani	FilmcoFVox1	---	---
114	---	YodelFVox2	---	---
115	---	FilmcoFVox2	---	---
116	---	NewWhistle1	---	---
117	---	FilmcoFVox3	---	---
118	---	NewWhistle2	---	---
119	---	FilmcoMVox1	---	---
120	---	FilmcoMVox2	---	---
121	---	BrazilVox1	---	---
122	---	FilmcoMVox3	---	---
123	---	BrazilVox2	---	---
124	---	BrazilVox3	---	---
125	---	AfAahhh	---	---
126	---	p33137v	---	---
g9 127	---	p33168v	---	---

### 3. Styles

8 Beat/16 Beat	CC00	CC32	BPM	TS
P1 Euro Ballad	6	80	55	4/4
Love Beat	6	90	66	4/4
Fast Beat	6	83	110	4/4
Bright Pop	6	91	93	4/4
Natural Pop	6	93	122	4/4
Easy Beat	6	82	80	4/4
70's Pop	6	106	112	4/4
Night Pop	6	94	58	4/4
Cool Pop	6	98	108	4/4
Happy Pop	16	21	103	4/4
P2 Groovy Pop	6	101	84	4/4
Fast Pop	6	97	145	4/4
80's Pop	6	86	178	4/4
Sunny Pop	6	102	104	4/4
Midnight Ballad	4	35	70	4/4
Pop Ballad	4	34	68	4/4
Light Soul	7	87	74	4/4
Schlager Beat	5	41	103	4/4
Nice Groove	7	92	100	4/4
Smooth Beat	7	88	78	4/4
P3 Analog Beat	7	96	85	4/4
Ballad Slow Rock	7	103	90	6/8
Lovely Ballad	4	36	120	4/4
70's Groove	7	83	120	4/4
UK Pop	7	82	124	4/4
Live Band	CC00	CC32	BPM	TS
P1 Strummlin' Pop	68	11	93	4/4
Amazing Gospel	68	12	61	6/8
6_8 Ballad	68	7	59	6/8
6_8 Pop	68	9	66	6/8
Unplugged Pop	68	2	80	4/4
Unplugged Ballad	68	1	88	4/4
Cool Live Band	68	8	92	4/4
Guitar Shuffle	68	10	120	4/4
Real Band	68	4	128	4/4
Rock	CC00	CC32	BPM	TS
P1 Joe's Rock	1	72	88	4/4
Countdown Rock	1	69	118	4/4
Dark Rock	1	70	126	4/4
Electro Rock	1	62	126	4/4
New Metal	1	63	83	4/4
Rock Beat	1	66	80	4/4
Soft Rock	1	60	91	4/4
Fast Rock	1	41	172	4/4
Rock Shuffle	1	42	135	4/4

Disco&Dance	CC00	CC32	BPM	TS
P1 Dntown Funk	28	17	120	4/4
Ladies Dance	66	28	126	4/4
Dream Dance	66	3	130	4/4
Ibiza Dance	66	6	132	4/4
Ibiza Night	66	12	140	4/4
House Maillorca	66	10	130	4/4
Club House	66	9	134	4/4
DJ Techno	66	7	140	4/4
80's Techno	66	2	130	4/4
Ballerman	5	48	134	4/4
P2 Latin Dance	22	39	106	4/4
Gipsy Dance	61	7	122	4/4
Barry Dance	66	13	132	4/4
70's Disco	66	4	124	4/4
Disco Schlager	5	46	130	4/4
Latin Schlager	5	47	122	4/4
Happy Schlager	5	44	129	4/4
Party Schlager	5	43	124	4/4
Schlager Pop	5	42	122	4/4
Meneaito	22	38	104	2/4
P3 Breath Rap	33	14	96	4/4
Now Hip Hop	66	16	96	4/4
Hip'n Hop	66	15	102	4/4
Soul	44	26	127	4/4
Ball Room	CC00	CC32	BPM	TS
P1 Wien Waltz	17	38	180	3/4
Slow Waltz	17	39	90	3/4
Slow Fox	50	81	120	4/4
Jive	69	1	174	4/4
Quick Step	69	2	210	4/4
Tango	26	12	115	4/4
Samba	27	21	113	4/4
Cha Cha	24	14	130	4/4
Rhumba	23	11	110	4/4
Paso Doble	40	4	123	4/4
P2 Paso Doble 2	40	5	124	4/4
Simple Cumbia	46	4	95	2/4
Simply Cha Cha	24	13	120	4/4
Cool Tango	26	15	120	4/4
Bolero	55	2	109	4/4
Jazz&Blues	CC00	CC32	BPM	TS
P1 Breezy Swing	14	25	120	4/4
Midnight SWSwing	12	35	56	4/4
Big Band Slow	14	18	61	4/4
Big Band Medium	14	19	125	4/4
Big Band Fast	14	20	170	4/4
Jimmys Groove	44	31	177	4/4
Mustang Blues	44	32	116	4/4
Blues	44	14	60	4/4
Midnight Blues	44	25	62	4/4
Swing Medium	12	31	130	4/4
P2 Swing Fast	12	32	243	4/4
Jz Guitar Swing	12	37	232	4/4
Latin	CC00	CC32	BPM	TS
P1 Jazz Bossa	62	44	120	4/4
Sunshine Pop	6	114	130	4/4
Club Bossa	22	16	125	4/4
Fast Bossa	22	18	173	4/4
Acoustic Samba	27	23	108	4/4
Brazilian Samba	27	9	102	4/4
Sambalegre	27	10	130	4/4
Orchestr ChaCha	24	16	122	4/4
That's Mambo	38	13	92	4/4
Bachata	22	40	126	4/4
P2 Go!Salsa	22	43	94	4/4
Cuba Salsa	22	42	107	4/4
Cool Merengue	22	41	126	4/4
Acoustic Rhumba	23	12	130	4/4

Trad/World	CC00	CC32	BPM	TS
P1 Baby Rock'N	10	39	118	4/4
Go! Rock'N	5	36	160	4/4
Blue Boogie	5	38	155	4/4
Posaunenpolka	19	31	132	4/4
Posaunenwalzer	17	50	206	3/4
Irish	67	3	120	4/4
SteamtrainCountr	16	25	144	2/4
Slow Country	16	20	76	4/4
Country Ballad	16	19	116	4/4
Country Beat	16	16	130	4/4
P2 Country Fox	50	82	178	4/4
Country Pop	50	85	188	4/4
Country Swing	16	18	190	4/4
Oldies	5	33	130	4/4
Rock'N Slow	5	35	125	4/4
Pop Fox	50	86	85	4/4
Nice Fox	50	83	114	4/4
Fox Band	50	87	176	4/4
Orchestral Polka	19	9	128	4/4
Beguine	39	16	105	4/4
P3 Dream Slow Rock	5	32	71	4/4
Cool Slow Rock	5	22	96	6/8
50's Slow Rock	5	16	80	4/4
Slow Jz Waltz	17	28	106	3/4
6_8 March	20	11	120	4/4
US March	20	10	120	4/4
Go! Twist	10	30	160	4/4
Charleston	11	6	193	4/4

## Program Change numbers

### Style Division Program Changes

Previous Arranger-Series Division	E-60/E-50 Division	PC Dec	PC Hex
Original Basic	Main Variation 1	1	00
Original Advanced	Main Variation 2	2	01
Variation Basic	Main Variation 3	9	08
Variation Advanced	Main Variation 4	10	09
Fill in To Original Basic	Fill Variation Down 1	89	58
Fill in To Original Advanced	Fill Variation Down 3	90	59
Fill in To Variation Basic	Fill Variation UP 1	97	60
Fill in To Variation Advanced	Fill Variation UP 3	98	61
----	Fill Variation UP 2	99	62
----	Fill Variation Down 2	100	63
Break Mute	Break Mute	113	70
Intro Basic	Intro Variation 3	65	40
Intro Advanced	Intro Variation 4	66	41
----	Intro Variation 1	67	42
----	Intro Variation 2	68	43
Ending Basic	Ending Variation 3	73	48
Ending Variation	Ending Variation 4	74	49
----	Ending Variation 1	75	4A
----	Ending Variation 2	76	4B

### E-Series Compatibility

Division	PC Dec	PC Hex
Fill in To Variation	81	50
Fill in To Original	82	51
Intro	83	52
Endind	84	53
Break Mute	85	54

### User Program Program Changes

P1~P16 8 per page 1~128  
 Dec CC00/122 CC32/00 PG. 01~128  
 Hex CC00/7AH CC20/00H PG. 00~7FH

P17~P18 8 per page 129~144  
 Dec CC00/123 CC32/00 PG. 01~16  
 Hex CC00/7BH CC20/00H PG. 00~10H

USER PROGRAM 00  
 Dec CC00/127 CC32/00 PG. 01  
 Hex CC00/7FH CC20/00H PG. 00H

### Style Custom Program Changes

10 x 8 families = 80  
 CC00/122 CC32/ 0~119 PG. XX



## 4. Parameters memorized in User Programs

### Keyboard Parts

#### Upper 1

Parameter	Setting range	Default
Tone	CC 00 0~127	0
(CC00= 120 Drum Part)	CC 32 0~127	4
	PC 1~128	1
Volume	CC 07 0~127	127
Panpot	CC 10 L63~0~R63	0
Reverb	CC 91 0~127	60
Chorus	CC 93 0~127	0
Octave	-4~0~4	0
Part On/Off	On, Off	On
Tone Edit:		
Cutoff	CC 74 -64~0~63	0
Resonance	CC 71 -64~0~63	0
Attack Time	CC 73 -64~0~63	0
Decay Time	CC 75 -64~0~63	0
Release Time	CC 72 -64~0~63	0
Vibrato Rate	CC 76 -64~0~63	0
Vibrato Depth	CC 77 -64~0~63	0
Vibrato Delay	CC 78 -64~0~63	0
C 1	CC 16 0~127	0
Key Touch:		
Curve	High, Medium, Low, Fixed	Medium
Value Min	1~127	1
Value Max	1~127	127
Value Fixed	1~127	100
Portamento Time	0~127	0
Portamento Mode	Poly, Mono	Poly
Dynamic Split	Off, High, Low	Off
Pitch Bender:		
Assign	Auto, On, Off	Auto
Pitch	0~24	2
Modulation		
Assign	Auto, On, Off	Auto
Hold FootSwitch:	Assign	Auto, On, Off
Foot Pedal:		
Assign	Off, Expression	Expression
Up	0~127	0
Down	0~127	127

#### Upper 2

Parameter	Setting range	Default
Tone	CC 00 0~127	81
(CC00= 120 Drum Part)	CC 32 0~127	4
	PC 1~128	5
Volume	CC 07 0~127	110
Panpot	CC 10 L63~0~R63	0
Reverb	CC 91 0~127	90
Chorus	CC 93 0~127	20
Octave	-4~0~4	0
Part On/Off	On, Off	Off
Tone Edit:		
Cutoff	CC 74 -64~0~63	0
Resonance	CC 71 -64~0~63	0
Attack Time	CC 73 -64~0~63	0
Decay Time	CC 75 -64~0~63	0
Release Time	CC 72 -64~0~63	0
Vibrato Rate	CC 76 -64~0~63	0
Vibrato Depth	CC 77 -64~0~63	0
Vibrato Delay	CC 78 -64~0~63	0
C 1	CC 16 0~127	0
Key Touch:		
Curve	High, Medium, Low, Fixed	Medium
Value Min	1~127	1
Value Max	1~127	127
Value Fixed	1~127	100
Portamento Time	0~127	0
Portamento Mode	Poly, Mono	Poly
Coarse Tune	-24~0~24	0
Fine Tune	-99~0~99	1
Pitch Bender:		
Assign	Auto, On, Off	Auto
Pitch	0~24	2
Modulation		
Assign	Auto, On, Off	Auto
Hold FootSwitch:	Assign	Auto, On, Off
Foot Pedal:		
Assign	Off, Expression	Expression
Up	0~127	0
Down	0~127	127

### Lower

Parameter	Setting range	Default
Tone	CC 00 0~127	10
(CC00= 120 Drum Part)	CC 32 0~127	4
	PC 1~128	50
Volume	CC 07 0~127	75
Panpot	CC 10 L63~0~R63	0
Reverb	CC 91 0~127	100
Chorus	CC 93 0~127	0
Octave	-4~0~4	0
Part On/Off	On, Off	Off
Tone Edit:		
Cutoff	CC 74 -64~0~63	0
Resonance	CC 71 -64~0~63	0
Attack Time	CC 73 -64~0~63	0
Decay Time	CC 75 -64~0~63	0
Release Time	CC 72 -64~0~63	0
Vibrato Rate	CC 76 -64~0~63	0
Vibrato Depth	CC 77 -64~0~63	0
Vibrato Delay	CC 78 -64~0~63	0
C 1	CC 16 0~127	0
Key Touch:		
Curve	High, Medium, Low, Fixed	Medium
Value Min	1~127	1
Value Max	1~127	127
Value Fixed	1~127	100
Lower Hold	On, Off	Off
Pitch Bender:		
Assign	Auto, On, Off	Auto
Pitch	0~24	2
Modulation		
Assign	Auto, On, Off	Auto
Hold FootSwitch:	Assign	Auto, On, Off
Foot Pedal:		
Assign	Off, Expression	Exp
Up	0~127	0
Down	0~127	127

### M.Bass

Parameter	Setting range	Default
Tone	CC 00 0~127	80
	CC 32 0~127	4
	PC 1~128	33
Volume	CC 07 0~127	90
Panpot	CC 10 L63~0~R63	0
Reverb	CC 91 0~127	0
Chorus	CC 93 0~127	0
Octave	-4~0~4	0
Part On/Off	On, Off	Off
Tone Edit:		
Cutoff	CC 74 -64~0~63	0
Resonance	CC 71 -64~0~63	0
Attack Time	CC 73 -64~0~63	0
Decay Time	CC 75 -64~0~63	0
Release Time	CC 72 -64~0~63	0
Vibrato Rate	CC 76 -64~0~63	0
Vibrato Depth	CC 77 -64~0~63	0
Vibrato Delay	CC 78 -64~0~63	0
C 1	CC 16 0~127	0
Key Touch:		
Curve	High, Medium, Low, Fixed	Medium
Value Min	1~127	1
Value Max	1~127	127
Value Fixed	1~127	100
Pitch Bender:		
Assign	Auto, On, Off	Auto
Pitch	0~24	2
Modulation		
Assign	Auto, On, Off	Auto
Hold FootSwitch:	Assign	Auto, On, Off
Foot Pedal:		
Assign	Off, Expression	Expression
Up	0~127	0
Down	0~127	127

### Keyboard Mode

Parameter	Setting range	Default
Split	On, Off	Off
Whole	On, Off	On

### Split Point

Parameter	Setting range	Default
Main Split	E-60: F1-0-F#7 E-50: C#2-C4-B6	C4

### Easy Setting

Parameter	Setting range	Default
Arr	On, Off	Off
Organ	On, Off	Off
Piano	On, Off	On
Guitar	On, Off	Off

### Guitar Mode

Parameter	Setting range	Default
Guitar Type (Electric Patches)	Electric, Acoustic 01: Jazz Man, 02: OpenHard 1, 03: Dist FX, 04: OpenHard 2, 05: Overd FX, 06: Strat Clean, 07: CleanHalf, 08: Distorsion, 09: Warm Drv, 10: Power, 11: Dist Guitar	Acoustic
(Acoustic Patches)	01: Nylon, 02: Steel 2, 03: Steel 3, 04: Steel 4, 05: Steel 5, 06: 12 guitars, 07: Nyl + Steel, 08: Nyl + Steel 2	
Retrigger	On, Off	On
V Noises	On, Off	On
Auto Sustain	On, Off	On
Adapt Chord	On, Off	Off
Hold Pedal	On, Off	Off
Chord Off Mutes	On, Off	Off
Doubling	On, Off	Off
Stereo Width	0-50	25

### Arranger Setting – Arranger Chord

Parameter	Setting range	Default
Zone	Left, Right, Whole, Off	Whole
Type	Standard, Piano Style, Intelligent, Easy	Piano Style
Arranger Hold	On, Off	On
Intro Ending Alter	On, Off	Off
Dynamic Arranger	On, Off	Off

### Arranger Setting – Dynamic Edit

Parameter	Setting range	Default
ADrums	- 127-0-127	20
ABass	- 127-0-127	30
Accomp 1	- 127-0-127	40
Accomp 2	- 127-0-127	40
Accomp 3	- 127-0-127	40
Accomp 4	- 127-0-127	40
Accomp 5	- 127-0-127	40
Accomp 6	- 127-0-127	40

### Arranger Setting – Arranger Options

Parameter	Setting range	Default
Accell/Ritard	5%-92%	20%
CPT	15-3825	480
Half Bar	On, Off	Off
Fill Rit	On, Off	Off
Fill Ritardando	5%-92%	8%

### Arranger Part – Foot Pedal

Parameter	Setting range	Default
ADrums	Assign	Off, Expression
	Up	0-127
	Down	0-127
ABass	Assign	Off, Expression
	Up	0-127
	Down	0-127
Accomp 1	Assign	Off, Expression
	Up	0-127
	Down	0-127
Accomp 2	Assign	Off, Expression
	Up	0-127
	Down	0-127
Accomp 3	Assign	Off, Expression
	Up	0-127
	Down	0-127

Accomp 4	Assign	Off, Expression
	Up	0-127
	Down	0-127
Accomp 5	Assign	Off, Expression
	Up	0-127
	Down	0-127
Accomp 6	Assign	Off, Expression
	Up	0-127
	Down	0-127

### User Program Style Volume

Parameter	Setting range	Default
ADrums	0-127	110
ABass	0-127	110
Acc 1	0-127	110
Acc 2	0-127	110
Acc 3	0-127	110
Acc 4	0-127	110
Acc 5	0-127	110
Acc 6	0-127	110

### Style Control

Parameter	Setting range	Default
Intro/Ending	Intro, Ending, Off	Off
Variation	1-4	2
Auto Fill In	On, Off	On
Bass Inversion	On, Off	On
Sync Start	On, Off	Off
Sync Start/Stop	On, Off	Off

### Arranger Setting – Melody Intelligent

Parameter	Setting range	Default
Melody Intell On/Off	On, Off	Off
Intelligence Threshold	Off, 1-127	Off
Type	1-18	Traditional
2nd Tone	(user-definable)	(dep. on Type)
Volume	CC 07 0-127	80
Panpot	CC 10 L63-0-R63	0
Reverb	CC 91 0-127	100
Chorus	CC 93 0-127	0
Pitch Bender:		
Assign	Auto, On, Off	Auto
Pitch	0-24	2
Hold FootSwitch	Assign	Auto, On, Off
Foot Pedal:		
Assign	Off, Expression	Expression
Up	0-127	0
Down	0-127	127

### Tuning – Transpose

Parameter	Setting range	Default
Value	-6-0-5	0
Mode Keyboard	On, Off	On
Mode Song	On, Off	On

### D Beam (E-60)

Parameter	Setting range	Default
Volume	CC 07 0-127	115
Panpot	CC 10 L63-0-R63	0
Reverb	CC 91 0-127	90
Chorus	CC 93 0-127	0
DJ Gear	On, Off	Off
DJ Gear Type	Vinyl RPM, Cutting, TT Motor Style, TT Motor Song, Scratch, Tape Rewind	Cutting
Sound EFX	On, Off	Off
Sound EFX Type	Chimes, Boeeeen, Bubble, Stream, Pour Bottle, Finger Snaps, Voice One, Voice Aou, Explosion, Gun Shot, Car Engine, Applause, Laughing, Train Horn, Bird, Dog	Chimes
Instrument	On, Off	Off
Instrument Type	Harp, Marimba, Mandolin, Guitar1, Guitar2, Jazz Scat, Bell Bass Drum, LoFi Rave, Sweep, Beep	Harp
Controls	On, Off	Off
Controls Type	Start/Stop Stl, Start/Stop Sng, Fade OUT, Auto Fill, Fill Up, Fill Down, ADrum On/Off, ABass On/Off, Acc On/Off, ABs ADr On/Off, ABs Acc On/Off, ADr Acc On/Off, Tempo Up, Tempo Down, Pitch Up, Pitch Down, D Modulation, Cut Reso Up, Cut Reso Down, Arpeg 1 Octv, Arpeg 2 Octv, Arpeg 3 Octv, Chord 1 Octv, Chord 2 Octv, Chord 3 Octv, Minus One, Rotary S/F	Chord 2 Octv

Foot Pedal		
Assign	Off, Expression	Expression
Up	0~127	0
Down	0~127	127

### Multi FX Switch

Parameter	Setting range	Default
Multi FX Switch	On, Off	On

### General settings

Parameter	Setting range	Default
Style Tempo	20~250	92
Style	1~136	Strummlin' Pop
Song Link	Off, Link Song	Off
MIDI Link	Off, 1~8	Off

### Effects

#### Keyboard Part effects – Reverb

Parameter	Setting Range	Default
Reverb Level	0~127	60
Master Switch	Off, On	On
Reverb Type	Room 1, Room 2, Room 3, Hall 1, Hall 2, Plate, Delay, Pan Delay	Hall 2

#### Keyboard Part effects – Chorus

Parameter	Setting Range	Default
Chorus Level	0~127	64
Master Switch	Off, On	On
Chorus Type	Chorus 1, Chorus 2, Chorus 3, Chorus 4, Feedback, Flanger, Short Delay, Short DlyFbk	Chorus 3

### Multi-FX

#### 01 – Thru

#### 02 – Stereo EQ

EQ Low Freq	200, 400 Hz	200 Hz
EQ Low Gain	-15dB~0~15dB	7 dB
EQ High Freq	2000, 4000, 8000 Hz	4000 Hz
EQ High Gain	-15dB~0~15dB	4 dB
EQ Mid 1 Freq	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000	1000 Hz
EQ Mid 1 Q	0.5, 1.0, 2.0, 4.0, 8.0	0.5
EQ Mid 1 Gain	-15dB~0~15dB	2 dB
EQ Mid 2 Freq	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000	8000 Hz
EQ Mid 2 Q	0.5, 1.0, 2.0, 4.0, 8.0	0.5
EQ Mid 2 Gain	-15dB~0~15dB	1 dB
Level	0~127	115

#### 03 – Overdrive

Drive	0~127	127
Panpot	L64~0~63R	0
Amp Type	Small, Built-In, 2-Stack, 3-Stack	Small
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	85

#### 04 – Distortion

Drive	0~127	127
Panpot	L64~0~63R	0
Amp Type	Small, Built-In, 2-Stack, 3-Stack	3-Stack
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	85

#### 05 – Phaser

Phaser Manual	100~8000 Hz	500 Hz
Phaser Rate	0.05~10.0Hz	1.00 Hz
Phaser Depth	0~127	64
Phaser Resonance	0~127	0
Mix Level	0~127	127
Panpot	L64~0~63R	0
Level	0~127	127

#### 06 – Spectrum

250Hz Gain	-15dB~0~15dB	0 dB
500Hz Gain	-15dB~0~15dB	0 dB
1000Hz Gain	-15dB~0~15dB	0 dB
1250Hz Gain	-15dB~0~15dB	0 dB
2000Hz Gain	-15dB~0~15dB	0 dB
3150Hz Gain	-15dB~0~15dB	0 dB
4000Hz Gain	-15dB~0~15dB	0 dB
8000Hz Gain	-15dB~0~15dB	0 dB
Band Width Q	0.5, 1.0, 2.0, 4.0, 8.0	0.5
Panpot	L64~0~63R	0
Level	0~127	127

#### 07 – Enhancer

Sens	0~127	127
Mix	0~127	64
EQ Low Gain	-15dB~0~15dB	3 dB
EQ High Gain	-15dB~0~15dB	3 dB
Level	0~127	100

#### 08 – Auto Wah

Filter Type	LPF, BPF	LPF
Rate	0.05~10.0Hz	1.00 Hz
Depth	0~127	64
Sens	0~127	0
Manual	0~127	64
Peak	0~127	100
Level	0~127	60

#### 09 – Rotary

Tweeter Slow Rate	0.05~10.0Hz	2.00 Hz
Woofers Slow Rate	0.05~10.0Hz	2.00 Hz
Tweeter Fast Rate	0.05~10.0Hz	8.00 Hz
Woofers Fast Rate	0.05~10.0Hz	8.00 Hz
Rotary Speed	Slow, Fast	Slow
Tweeter Acceleration	0~15	10
Woofers Acceleration	0~15	10
Tweeter Level	0~127	127
Woofers Level	0~127	127
Separation	0~127	127
Level	0~127	127

#### 10 – Compressor

Sustain	0~127	127
Attack	0~127	64
Panpot	L64~0~63R	0
Post Gain	0, +6, +12, +18 dB	12 dB
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	127

#### 11 – Limiter

Threshold	0~127	64
Release	0~127	32
Ratio	1.5:1, 2:1, 4:1, 100:1	2.0:1
Panpot	L64~0~63R	0 dB
Post Gain	0, +6, +12, +18 dB	6 dB
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	127

#### 12 – Hexa-Chorus

Chorus Pre Delay	0.0~100.0 ms	0.5 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Pre Delay Deviation	0~20	0
Depth Deviation	-20~0~20	0
Pan Deviation	0~20	20
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	100

#### 13 – Trem Chorus

Chorus Pre Delay	0.0~100.0 ms	0.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	50
Tremolo Rate	0.05~10.0Hz	2.00 Hz
Tremolo Separation	0~127	127
Tremolo Phase	0~180 deg	180 deg
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	110

#### 14 – Space-D

Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Phase	0~180 deg	180 deg
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	100

#### 15 – St.Chorus

Filter Type	OFF, LPF, HPF	HPF
Filter Cutoff	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000	1000 Hz
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Phase	0~180 deg	180 deg
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB

Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>16 - St.Flanger</b>		
Filter Type	OFF, LPF, HPF	HPF
Filter Cutoff	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000	1000 Hz
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	50
Flanger Phase	0~180 deg	180 deg
Flanger Feedback	-98%~0~98%	80 %
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	120
<b>17 - Step Flanger</b>		
Flanger Pre Delay	0.0~100.0 ms	0.5 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	50
Flanger Feedback	-98%~0~98%	80 %
Step Rate	0.10~20.0Hz - note	5.00 Hz
Flanger Phase	0~180 deg	180 deg
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	100
<b>18 - St.Delay</b>		
Feedback Mode	Normal, Cross	Normal
Delay Left	0.0~500.0 ms	250.0 ms
Delay Right	0.0~500.0 ms	260.0 ms
Phase Left	Normal, Invert	Normal
Phase Right	Normal, Invert	Normal
Delay Feedback	-98%~0~98%	20 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	110
<b>19 - Mod Delay</b>		
Feedback Mode	Normal, Cross	Normal
Delay Left	0.0~500.0 ms	500.0 ms
Delay Right	0.0~500.0 ms	500.0 ms
Delay Feedback	-98%~0~98%	20 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Modulation Rate	0.05~10.0Hz	1.00 Hz
Modulation Depth	0~127	20
Modulation Phase	0~180 deg	180 deg
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>20 - 3 Tap Delay</b>		
Delay Left	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	250 ms
Delay Right	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	500 ms
Delay Center	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	1000 ms
Delay Feedback	-98%~0~98%	20 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Dly Level Left	0~127	127
Dly Level Right	0~127	127
Dly Level Center	0~127	127
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	110
<b>21 - 4 Tap Delay</b>		
Delay 1	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	1000 ms
Delay 2	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	750 ms
Delay 3	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	500 ms
Delay 4	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	250 ms

Delay Level 1	0~127	127
Delay Level 2	0~127	127
Delay Level 3	0~127	127
Delay Level 4	0~127	127
Delay Feedback	-98%~0~98%	20 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>22 - Time Delay</b>		
Delay Time	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	250 ms
Delay Feedback	-98%~0~98%	20 %
Delay Acceleration	0~15	10
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Panpot	L64~0~63R	0
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	120
<b>23 - 2Pitch Shift</b>		
Pitch Shift Mode	1~5	5
Pitch A Coarse	-24 semi~0~+12 semi	0 semi
Pitch B Coarse	-24~0~+12 semitone	0 semi
Pitch A Fine	-100~0~+100 cent	26 cent
Pitch B Fine	-100~0~+100 cent	-12 cent
Pitch A Pre Delay	0.0~500.0 ms	0.0 ms
Pitch B Pre Delay	0.0~500.0 ms	0.0 ms
Pitch A Panpot	L64~0~63R	0
Pitch B Panpot	L64~0~63R	0
Level Balance	A100:0B, A50:50B, A0:100B	A50:50B
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>24 - FBK Pitch</b>		
Pitch Shift Mode	1~5	3
Pitch Coarse	-24~0~+12 semitone	1 semi
Pitch Fine	-100~0~+100 cent	0 cent
Pitch Pre Delay	0.0~500.0 ms	500.0 ms
Pitch Feedback	-98%~0~98%	40 %
Panpot	L64~0~63R	0
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>25 - Reverb</b>		
Reverb Type	Room 1, Room 2, Stage 1, Stage 2, Hall 1, Hall 2	Hall 2
Reverb Pre Delay	0.0~100.0 ms	1.0 ms
Reverb Time	0~127	100
Reverb HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>26 - Gate Reverb</b>		
Reverb Type	Normal, Reverse, Sweep 1, Sweep 2	Normal
Reverb Pre Delay	0.0~100.0 ms	1.0 ms
Reverb Time	5~500 ms	55 ms
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>27 - OD→ Chorus</b>		
Overdrive Drive	0~127	64
Overdrive Panpot	L64~0~63R	0
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	70
<b>28 - OD→ Flanger</b>		
Overdrive Drive	0~127	64
Overdrive Panpot	L64~0~63R	0
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40

Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	70
<b>29 - OD→ Delay</b>		
Overdrive Drive	0~127	64
Overdrive Panpot	L64~0~63R	0
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	80
<b>30 - DST→ Chorus</b>		
Distortion Drive	0~127	30
Distortion Panpot	L64~0~63R	0
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	80
<b>31 - DST→ Flanger</b>		
Distortion Drive	0~127	30
Distortion Panpot	L64~0~63R	0
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	80
<b>32 - DST→ Delay</b>		
Distortion Drive	0~127	40
Distortion Panpot	L64~0~63R	0
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	80
<b>33 - EH→ Chorus</b>		
Enhancer Sens	0~127	127
Enhancer Mix Level	0~127	64
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	90
<b>34 - EH→ Flanger</b>		
Enhancer Sens	0~127	127
Enhancer Mix Level	0~127	64
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	100
<b>35 - EH→ Delay</b>		
Enhancer Sens	0~127	127
Enhancer Mix Level	0~127	64
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	127
<b>36 - Chorus→ Dly</b>		
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	127

<b>37 - Flanger→ Dly</b>		
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	127
<b>38 - Cho→ Flanger</b>		
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>39 - Cho / Dly</b>		
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	127
<b>40 - Flanger / Dly</b>		
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	110
<b>41 - Cho / Flanger</b>		
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	110

#### Multi-FX Part Assign

Upper 1	Off, On	On
Upper 2	Off, On	Off
Lower	Off, On	Off
MBass	Off, On	Off
M.Intelligent	Off, On	Off
D Beam	Off, On	Off

#### Style/Song effect

Reverb effects: see "Keyboard Part effects - Reverb" on p. 16  
Chorus effect: see "Keyboard Part effects - Chorus" on p. 16



## 5. Global parameters

**Note:** These settings are saved and loaded along with User Program Sets.

### Tuning

Master Tune	427.4~440.0~452.6	440,0
Scale Tune	Tune Note	C, C#, D, Eb, E, F, F#, G, Ab, A, Bb, B
	Tune Value	-64~0~63 for each note
	Status	On, Off for each note
	Memory	1~3

### Hold One Touch

Parameter	Setting Range	Default
Tempo	On, Off	On
KBD Part	On, Off	Off
Intro/End	On, Off	On
Main/Var	On, Off	Off

### Functions

Parameter	Setting Range	Default
<b>Metronome</b>		
Volume	Low, Medium, High	Medium
Count-IN	Off, 1Bar, 2Bar	Off
Mode	Always, Play, Rec	Always
<b>Minus One</b>		
Preset	Melody, Accomp, Drum&Bass, User	Melody
Melody	Part: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 On/Off for each part	4 On
Accomp	Part: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 On/Off for each part	1, 3~9, 11~16 On
Drum&Bass	Part: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 On/Off for each part	2, 10 On
User Programmable	Part: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 On/Off for each part	4 On

### Hold Setting User Program

Param	Type	Range Value	Default
Style	Status	On, Off	Off
Song	Status	On, Off	Off
MIDI Set	Status	On, Off	Off
Tempo	Status	On, Off	Off
Tone	Status	On, Off	Off
Transpose	Status	On, Off	Off
KBD Mode	Status	On, Off	Off
Bass Inversion	Status	On, Off	Off

### Foot Controller

Foot Switch		
Assign	Start/Stop, Play/Stop, Intro, Ending, Variat 1, Variat 2, Variat 3, Variat 4, Bass Inversion, Arr-MBass, Piano Stand, Half Bar OnFillIn, Arran Hold, Dynamic Arran, Rotary S/F, Reset/Start, Scale Upper, Scale Lower, Arr Chord Off, User PrgUp, User PrgDown, Punch In-Out, Portamento, Soft, Sostenuto, Hold, Hold Lower, Minus One, Kbd Ex UP 2-1, Break Mute, ARR Rit Tempo, ARR Acc Tempo	Start/Stop

### Utility

Startup		Default
User Program	P1~P18, 1~8, name	
Recall	On, Off	Off
<b>MIDI Set</b>		
Recall	1~8	
Recall	On, Off	Off
Sound Set Mode	Best Selection, Extended	Best Selection
<b>Global Player</b>		
Quick Start from 2nd bar	On, Off	Off
Quick Start from 1st note	On, Off	On
BWD/FWD/Jump Data Update	On, Off	Off
Song/Arranger Start Priority	On, Off	On

### Global Feedback

Flashing EXIT	On, Off	On
Flashing Metronome	On, Off	On
<b>Global Keyboard</b>		
Upper 1 M-FX Link	On, Off	On
Fill In On User Program Change	On, Off	On
Style Melody Intell Link	On, Off	On

### V-Link

Parameter	Range	Default	Remarks
Clip (Keyboard)	1~8	1	PC
Clip (Touch Screen)	1~32	1	PC
Palette	1~20	1	CC 0 = 0~19 CC 32 fixed 0
Dissolve Time	00~40	20	CC 22 = 0~127
Speed Playbk	50~198	100	CC 27 = 0~127
VFX	None, Color, Sepia, Lumin, Post	None	CC22= 0 none, CC24= 64, CC25=64, CC 22= 17 color, CC22= 51 sepia, CC22= 85 lumin, CC22=102 post
Brightness	-64~0~63	0	CC28= 0~127
Color CB	-64~0~63	0	CC25= 0~127
Color CR	-64~0~63	0	CC24= 0~127

### Lyrics & score

Lyrics		Default
Zoom	Small, BigSmall	
Colour Preset	1, 2, 3	1
<b>Score</b>		
Zoom	Small, Big	Small
Pitch	Off, C~D-E, Do-Re-Mi	Off
Drum Range	Filter, Full	Full
<b>Staff 1</b>		
Track	1~16	4
Key	C, C#, D, Eb, E, F, F#, G, Ab, A, Bb, B	C
Clef	G Clef, F Clef	G Clef

## 6. MIDI parameters

### Easy Setting

Parameter		Default
Select	Keyboard & Style Parts	On, Off
	Song Parts	On, Off
Output	MIDI	On, Off
	USB	On, Off
Mode	Local On	On, Off
	Local Off	On, Off
MIDI Set	MIDI Set	1-8

### Keyboard Part Edit (same parameters for all Keyboard parts)

Parameter	Setting range	Default
Channel TX	1-16	Upper1= 4, Upper2= 6 Lower= 11, MBass= 12, Mel Int= 15
Shift TX	-48-0-48	0
Local	On, Off	On
Channel RX	1-16	Upper1= 4, Upper2= 6 Lower= 11, MBass= 12, Mel Int= 15
Shift RX	-48-0-48	0
Limit Low RX	C--G9	C-
Limit High RX	C--G9	G9
Part TX	On, Off	On
Part RX	On, Off	On
<b>TX Event</b>		
Program Change	CC 00,32 &PC	On, Off
Pitch Bender		On, Off
Modulation	CC 01	On, Off
Volume	CC 07	On, Off
Panpot	CC 10	On, Off
Expression	CC 11	On, Off
Hold	CC 64	On, Off
Sostenuto	CC 66	On, Off
Soft	CC 67	On, Off
Reverb send	CC 91	On, Off
Chorus send	CC 93	On, Off
RPN	CC 101-100-06	On, Off
NRPN	CC 99-98-06	On, Off
System Exclusive		On, Off
CC 16	CC 16	On, Off
<b>RX Event</b>		
Program Change	CC 00,32 &PC	On, Off
Pitch Bender		On, Off
Modulation	CC 01	On, Off
Volume	CC 07	On, Off
Panpot	CC 10	On, Off
Expression	CC 11	On, Off
Hold	CC 64	On, Off
Sostenuto	CC 66	On, Off
Soft	CC 67	On, Off
Reverb send	CC 91	On, Off
Chorus send	CC 93	On, Off
Channel Aftertouch		On, Off
RPN	CC 101-100-06	On, Off
NRPN	CC 99-98-06	On, Off
System Exclusive		On, Off
CC 16	CC 16	On, Off

### Style Part Edit (same parameters for all Style parts)

Parameter	Setting range	Default
Channel TX	1-16	ADrums= 10, ABass= 2 Acc1= 1, Acc2= 3, Acc3= 5 Acc4= 7, Acc5= 8, Acc6= 9
Shift TX	-48-0-48	0
Local	On, Off	On
Channel RX	1-16	ADrums= 10, ABass= 2 Acc1= 1, Acc2= 3, Acc3= 5 Acc4= 7, Acc5= 8, Acc6= 9
Shift RX	-48-0-48	0
Limit Low RX	C--G9	C-
Limit High RX	C--G9	G9
Part TX	On, Off	On
Part RX	On, Off	On
<b>TX Event</b>		
Program Change	CC 00,32 &PC	On, Off
Pitch Bender		On, Off

Modulation	CC 01	On, Off	On
Volume	CC 07	On, Off	On
Panpot	CC 10	On, Off	On
Expression	CC 11	On, Off	On
Reverb send	CC 91	On, Off	On
Chorus send	CC 93	On, Off	On
<b>RX Event</b>			
Program Change	CC 00,32 &PC	On, Off	On
Pitch Bender		On, Off	On
Modulation	CC 01	On, Off	On
Volume	CC 07	On, Off	On
Panpot	CC 10	On, Off	On
Expression	CC 11	On, Off	On
Hold	CC 64	On, Off	On
Sostenuto	CC 66	On, Off	On
Soft	CC 67	On, Off	On
Reverb send	CC 91	On, Off	On
Chorus send	CC 93	On, Off	On
Channel Aftertouch		On, Off	On
RPN	CC 100-101-06	On, Off	On
NRPN	CC 98-99-06	On, Off	On
System Exclusive		On, Off	On
CC 16	CC 16	On, Off	On

### Song Part Edit (same parameters for all Song parts)

Parameter	Setting range	Default
Channel TX	1-16	Part number= MIDI chan- nel number
Shift TX	-48-0-48	0
Local	On, Off	On
Channel RX	1-16	Part number= MIDI chan- nel number
Shift RX	-48-0-48	0
Limit Low RX	C--G9	C-
Limit High RX	C--G9	G9
Part TX	On, Off	Off
Part RX	On, Off	Off
<b>TX Event</b>		
Program Change	CC 00,32 &PC	On, Off
Pitch Bender		On, Off
Modulation	CC 01	On, Off
Volume	CC 07	On, Off
Panpot	CC 10	On, Off
Expression	CC 11	On, Off
Hold	CC 64	On, Off
Sostenuto	CC 66	On, Off
Soft	CC 67	On, Off
Reverb send	CC 91	On, Off
Chorus send	CC 93	On, Off
Channel Aftertouch		On, Off
RPN	CC 100-101-06	On, Off
NRPN	CC 98-99-06	On, Off
System Exclusive		On, Off
CC 16	CC 16	On, Off
<b>RX Event</b>		
Program Change	CC 00,32 &PC	On, Off
Pitch Bender		On, Off
Modulation	CC 01	On, Off
Volume	CC 07	On, Off
Panpot	CC 10	On, Off
Expression	CC 11	On, Off
Hold	CC 64	On, Off
Sostenuto	CC 66	On, Off
Soft	CC 67	On, Off
Reverb send	CC 91	On, Off
Chorus send	CC 93	On, Off
Channel Aftertouch		On, Off
RPN	CC 100-101-06	On, Off
NRPN	CC 98-99-06	On, Off
System Exclusive		On, Off
CC 16	CC 16	On, Off

## MIDI System parameters

Sync			Default
Style	Start/Stop TX	On, Off	On
	Clock TX	On, Off	On
	Mode RX	Auto, Internal, MIDI, Remote	Auto
	Sync Style RX	On, Off	On
Song	Start/Stop TX	On, Off	Off
	Clock TX	On, Off	Off
	Song Position Pointer TX	On, Off	Off
	Mode RX	Auto, Internal, MIDI, Remote	Auto
	Sync Song RX	On, Off	Off
Basic			
	Channel TX	1~16	13
	Part Switch TX	On, Off	Off
	User Program PC TX	On, Off	Off
	Channel RX	1~16	13
	Part Switch RX	On, Off	On
	User Program PC RX	On, Off	On
	Master Volume RX	On, Off	On
	Part TX	On, Off	On
	Part RX	On, Off	Off
Style			
	Channel TX	1~16	10
	Channel RX	1~16	10
	Style PC RX	On, Off	On
	Style Volume RX	On, Off	Off
	Part TX	On, Off	On
	Part RX	On, Off	Off
NTA			
	1st Channel RX	1~16	14
	2nd Channel RX	1~16	15
	Shift RX	-48~0~48	0
	1st Ch Limit Low RX	C--G9	C-
	1st Ch Limit High RX	C--G9	G9
	2nd Ch Limit Low RX	C--G9	C-
	2nd Ch Limit High RX	C--G9	G9
	1st Channel RX	On, Off	Off
	2nd Channel RX	On, Off	Off
V-LINK			
	Clip Control TX	1~16	16
	Color Control TX	1~16	16
	Clip Part TX	On, Off	On
	Color Part TX	On, Off	On
Param			
	TX Octave	Relative, Absolute	Relative
	Part Switch	Int, Int+MIDI	Int+MIDI
	Transpose RX	On, Off	Off
	Velocity TX	On, 1~127	On
	Velocity RX	On, 1~127	On
	Sys Ex TX	On, Off	On
	Sys Ex RX	On, Off	On
	Data Changes	On, Off	Off







