

Roland®

E-80 ***MUSIC WORKSTATION***



Tone List	p. 2
Drum Sets	p. 6
Styles	p. 16
Parameters memorized in User Programs	p. 19
Global parameters	p. 34
MIDI parameters	p. 37

1. Tone List

Piano	CC00	CC32	PC C1
P1 NaturalPiano	0	4	001
SuperiorPian	47	4	001
ClassicPiano	80	4	001
UprightPiano	1	4	001
Brite Piano	46	4	001
Piano+String	24	4	001
Piano+Choir	26	4	001
StackedPiano	47	4	003
Honky-tonk1	0	4	004
RD Piano 1	0	4	003
P2 Rock Piano	2	4	002
Dance Piano1	81	4	002 ✓
Mild Piano	2	4	001
MonoAcPiano	45	4	001
European Pf	16	4	001
RD Piano 1 w	8	4	003
Honky-tonk 2	8	4	004
E.Piano–Keyboard	CC00	CC32	PC C1
P1 Vintage EP1	81	4	005 ✓
Pro Stage1	47	4	005
Phase EP	44	4	005
Vintage EP2	82	4	005 ✓
Stage	80	4	005 ✓
FM EPiano1	80	4	006 ✓
FM EPiano2	81	4	006
Wurly 1	84	4	005 ✓
Clav. 1	1	4	008
Harpsichord1	2	4	007
P2 Tremolo EP	46	4	005
MIDI EPiano1	1	4	003
MIDI EPiano2	2	4	003
FM+SA EP	16	4	005
St.FM EP	16	4	006
EP Legend	10	4	006
EP Phase	32	4	006
Dist E.Piano	17	4	005
Phase Clav	17	4	008
JP8000 Clav.	38	4	008
P3 St.Soft EP	8	4	005
E.Piano 1	0	4	005
E.Piano 2	1	4	006
Hard FM EP	24	4	006
Cho. E.Piano	9	4	005
EP Heaven	44	4	089
Reso Clav.	16	4	008
Coupled Hps.	8	4	007
Clav. 2	24	4	008
Analog Clav.	32	4	008
P4 Harpsichord2	24	4	007
Harpsi.w	16	4	007
Pulse Clav.	39	4	008
Chr Perc	CC00	CC32	PC C1
P1 Vibraphone	0	4	012
Marimba	0	4	013
Glockenspiel	0	4	010
Celesta	0	4	009
Pop Celesta	1	4	009
Music Box 1	0	4	011
Carillon	9	4	015
Pop Vibe.	1	4	012
Tubular-bell	0	4	015
Vibraphone w	8	4	012
P2 Music Box 2	1	4	011
Marimba w	8	4	013
Xylophone w	8	4	014
Church Bell	8	4	015
Barafon 1	17	4	013

Organ	CC00	CC32	PC C1
P1 B3 Sermon	89	4	018 ✓
Blues Perc	80	4	018
All Skate!	82	4	018 ✓
R&B B3	83	4	018 ✓
HeavyTraffic	81	4	019 ✓
Organ 3	0	4	019
Stevie's B3	82	4	017 ✓
Church Org.1	0	4	020
Organ Flute	24	4	020
Theater Org.	33	4	020
P2 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 ✓
Org Jazz1 /9	83	4	019 ✓
Church Org.2	8	4	020
Reed Organ	0	4	021
Head Up B3	80	4	017 ✓
Organ 1	0	4	017
P3 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
Rotary Org.5	16	4	019
Rotary Org.F	24	4	019
Church Org.3	16	4	020
Rotary Organ	8	4	019
L-Organ	47	4	019
P4 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
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
P5 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
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
P6 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 ✓
70's E.Organ	32	4	017
Farf Organ	19	4	017
Orient.Org.1	116	4	017
Orient.Org.2	116	4	021
Accrdion	CC00	CC32	PC C1
P1 Acc. Master	50	4	022
Acc. Classic	51	4	022
Italian Folk	52	4	022
Fr. Musette	53	4	022
Steirische	54	4	022
Bandoneon 1	50	4	024
Bandoneon 2	51	4	024
Bandoneon 3	52	4	024
Mellow Harm	50	4	023
Hand Harm.	51	4	023

P2	CC00	CC32	PC C1
Accordion It	8	4	022
Accordion Fr	0	4	022
B.Harp Basic	8	4	023
B.Harp Suppl	9	4	023
Soft Accord	25	4	022
Accordion 1	116	4	083
Accordion 2	116	4	085
JV.Accordion	116	4	086
OrientalAcc1	114	4	083
OrientalAcc2	115	4	083
P3 OrientalAcc4	113	4	083
OrientalAcc3	112	4	083
A Guitar	CC00	CC32	PC C1
P1 Nylon Gt. 1	64	4	025
Nylon-Str.Gt	0	4	025
Steel.Gt2	64	4	026
Steel.Gt4	69	4	026
Ac.Guitar1	48	4	026
2 Guitars	66	4	026
12 Strings	8	4	026
Nyl+Steel1	67	4	026
MandolinTrem	18	4	026
Banjo	0	4	106
P2 Nylon Gt.2	32	4	025
Nylon+Steel	9	4	026
Steel.Gt5	70	4	026
Ac.Guitar2	49	4	026
Steel.Gt1	52	4	026
Steel.Gt3	65	4	026
RequintGt.2	52	4	025
SteelGuit.2	32	4	026
Mandolin Tr.	18	2	026
Muted Banjo	1	4	106
P3 Nylon Gt.o	16	4	025
Ac.Gtr.Hrm	51	4	026
Steel + Body	33	4	026
Atmosphere	0	4	100
HollowReleas	4	4	100
Nylon Harp	2	4	100
Atk Steel Gt	10	4	026
Ac.Guitar3	50	4	026
Mandolin	16	4	026
Fl.Gtr 1	48	4	025
P4 Fl.Gtr 2	49	4	025
Fl.GtrRoll	51	4	025
Steel-str.Gt	0	4	026
Requint Gt.1	40	4	025
Nyl+Steel2	68	4	026
Ukulele	8	4	025
Velo Harnmix	24	4	025
Gt.FretNoise	0	4	121
E Guitar–Bass	CC00	CC32	PC C1
P1 Clean Solid	69	4	028
Warm Drive	65	4	030
Distortion	64	4	031
Clean Mute	67	4	029
JazzGuitar1	62	4	027
Ulti Ac Bass	0	4	033
Picked Bass1	0	4	035
Fingered Bs1	0	4	034
Nu Slap Bs	0	4	037
RubberBass 2	16	4	040
P2 Clean Elect.	64	4	028
Clean El Oct	65	4	028
Dynamic Mute	66	4	028
JC ChrusGt	55	4	028
Jazz Guitar2	80	4	027 ✓
XV Ac.Bass	80	4	033 ✓
Fretless Bs1	0	4	036
Mute Bass	84	4	033
Fingered Bs2	1	4	034
Slap Pop	1	4	037

P3 Overdrive3	64	4	030
Distort Gt1	3	4	031
Dist. Mute	64	4	029
Muted Over	68	4	029
PedalSteel	50	4	027
5String Bs	83	4	033
Picked Bass2	1	4	035
Finger Slap	7	4	034
XV Bass+Ride	81	4	033 ✓
Drum'n'Bass	82	4	039 ✓
P4 Distort Gt3	67	4	031
LP OverDrv	52	4	030
RockRhythm2	56	4	031
Muted Gt.2	65	4	029
Jazz Gt.	48	4	027
Picked Bass3	2	4	035
Slap Bass 1	0	4	038
Jazz Bass 1	2	4	034
Synth Bass 2	0	4	040
Picked Bass4	3	4	035
P5 RockRhythm1	55	4	031
Muted Gt.3	66	4	029
TC MutedGt	50	4	029
TC Clean	19	4	028
JGuitar Scat	81	4	027 ✓
Slap Bass 2	1	4	038
Bass Invader	80	4	040 ✓
Jazz Bass 2	3	4	034
Rock Bass	4	4	034
Fretless Bs2	1	4	036
P6 Power Gt.2	65	4	031
Power Gt.3	66	4	031
Distort Gt2	1	4	031
Dist Rtm GTR	26	4	031
Muted Gt.1	48	4	029
TB Saw Bass	81	4	039 ✓
MG Bass	4	4	040
Modular Bass	2	4	040
Seq Bass1	3	4	040
SynthBass201	1	4	040
P7 LP HalfDrv2	54	4	030
Mid Tone GTR	23	4	028
Clean Gt.	48	4	028
JC CleanGt	52	4	028
Mellow Gt.	49	4	027
RubberBass 1	13	4	040
u/i/el/o V/Sw	84	4	040 ✓
VocoBass	83	4	040 ✓
Reso Slap	8	4	037
Raver Bass 1	81	4	040 ✓
P8 LP RearAtk	61	4	028
Clean Half	49	4	028
OpenHard 1	50	4	028
OpenHard2	51	4	028
TC RearPk	57	4	028
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
P9 Chorus Gt	54	4	028
TC Clin ff	58	4	028
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
P10 Overdrv Gt	48	4	030
Overdrive1	49	4	030

Overdrive2	50	4	030
More Drive	51	4	030
Dist. Gt	48	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
P11 Dazed Gtr	49	4	031
Attack Dist	5	4	031
LP Rear Pk	59	4	028
LP HalfDrv	53	4	030
LP Chorus	55	4	030
Rockabilly	50	4	033
AcousticBs	49	4	033
Bubble Bass	28	4	040
Sync Bass1	24	4	040
Spike Bass	21	4	040
P12 Power Gt.1	52	4	031
Dist.Fast :	4	4	031
TCFrtPick	56	4	028
Funk Gt.	52	4	029
Sync Bass 2	30	4	040
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
P13 Gt.Feedback2	9	4	032
Gt.Feedback1	50	4	031
Gt.Harmonics	0	4	032
Ac.Gt.Harmnx	16	4	032
Gt.Cut Noise	1	4	121
MG LightBass	39	4	040
DistSynBass	40	4	040
DistEnvBass	38	4	040
LightSynBass	45	4	040
PopSynthBass	46	4	040
P14 Pick Scrape	6	4	121
101 Bass	47	4	040
TeeBee V/Sw	80	4	039 ✓
Odd Bass	15	4	040
303Sqr.Rev	43	4	039
X Wire Bass	10	4	040
Basic Needs	83	4	039 ✓
Heart Bass	5	4	034
Fretless Bs3	2	4	036
Beef FM Bass	8	4	040
P15 Muted PickBs	8	4	035
Wood+FlessBs	8	4	036
Fretless Bs4	3	4	036
Double Pick	4	4	035
Mr.Smooth	5	4	036
String Slap	2	4	121
E.Bass Harm.	24	4	032
SynthBass101	1	4	039
Synth Bass 1	0	4	039
JP-4 Bass	3	4	039
P16 CS Bass	2	4	039
Tekno Bass	10	4	039
Reso SH Bass	16	4	039
Rubber303 Bs	14	4	039
TB303 Bass	9	4	039
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
P17 Wild Ac.Bs	51	4	033
Baby Bass	48	4	034
AttackFinger	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
P18 DoubleSlide	48	4	121

Strings	CC00	CC32	PC C1
P1 St. Strings1	16	4	049
St.Slow Str1	10	4	050
JP8 Strings1	81	4	051 ✓
Warm Strings	9	4	050
S.Str+Choir	12	4	050
Orchestra 1	9	4	049
X Violin	80	4	041 ✓
Harp	0	4	047
St.Pizzicato	3	4	046
OrchestraHit	0	4	056
P2 SlowStrings1	0	4	050
Strings :	0	4	049
Syn.Strings1	0	4	051
Syn.Strings2	0	4	052
Contrabass	0	4	044
Folk Violin	16	2	041
Viola	0	4	042
Timpani	0	4	048
St.Strings 2	17	4	049
Oct Strings1	32	4	049
P3 St.Slow Str2	11	4	050
SlowStrings2	1	4	050
Syn.Strings5	10	4	051
ChamberStr:	2	4	049
Str.+Flute	13	4	049
Strings+Horn	12	4	049
FolkViolinVb	17	2	041
St.Strings 3	18	4	049
SlowStrings3	2	4	050
JP8 Strings2	80	4	051 ✓
P4 Air Strings	8	4	052
Orchestra 2	19	4	049
Slow Violin	8	4	041
Slow Tremolo	8	4	045
Cello :	0	4	043
ContraBsSect	34	4	049
Cello sect.	3	4	049
Syn.Strings4	9	4	051
StraightStr.	10	4	052
JP Saw Str.	4	4	052
P5 Orchestra 3	20	4	049
Violin Atk:	1	4	041
Trem Str.St.	2	4	045
PizzicatoStr	0	4	046
Tremolo Orch	10	4	049
Oct Strings2	33	4	049
FilteredOrch	3	4	052
Bright Str.3	5	4	049
JP Strings	3	4	051
OB Strings	1	4	051
P6 Bright Str.2	4	4	049
Syn.Strings3	8	4	051
Bright Str.1	1	4	049
Harp&Strings	1	4	047
SuspenseStr	10	4	045
Legato Str.	8	4	050
Velo Strings	24	4	049
Viola Attack	1	4	042
Cello Attack	1	4	043
Strings Oct	116	4	011
P7 Vcs&Cbs Pizz	1	4	046
Solo Pizz.	8	4	046
Solo Spic.	16	4	046
StringsSpic.	17	4	046
Harp St.	2	4	047
Uilleann Harp	8	4	047
Synth Harp	16	4	047
Choir Str.	14	4	049
Mild Strings	7	4	049
60s Strings	40	4	049
P8 High Strings	16	4	051
Tron Strings	24	4	051
Noiz Strings	25	4	051
JUNO Strings	2	4	052
DistStrings	6	4	052
Clap Hit	27	4	056
Stack Hit	25	4	056

Double Hit	10	4	056
Industry Hit	26	4	056
Strings Hit	24	4	056
P9 Technorg Hit	22	4	056
Rave Hit	23	4	056
Bit Hit	20	4	056
Bam Hit	19	4	056
Philly Hit	9	4	056
Dist. Hit	18	4	056
Impact Hit	8	4	056
Euro Hit	3	4	056
Bass Hit	1	4	056
6th Hit	2	4	056
P10 Techno Hit	17	4	056
Lo Fi Rave	16	4	056
Perc. Hit	11	4	056
Shock Wave	12	4	056
Or.FlK Violin	116	4	041
Or.FlKVinVb	116	4	040
Voices	CC00	CC32	PC C1
P1 Warm Voices	82	4	095
Syn Vox Pad	80	4	055
Fem Mm Srt	82	4	054 ✓
Rich Choir2	81	4	053 ✓
St.ChoirAahs	8	4	053
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
P2 ChorusLahs	52	4	053
ChorusAahs	53	4	053
Harpvox	3	4	100
Voice Oohs	48	4	054
Choir Hahs	51	4	053
LFO Vox	9	4	086
St.BoysChoir	13	4	053
VoiceAah Mal	36	4	054
ltopia	3	4	092
Humming	40	4	054
P3 Silent Night	9	4	055
Melted Choir	9	4	053
Holy Voices	12	4	092
Solo Vox	0	4	086
JzVoiceBap	54	4	054
JzVoiceDow	55	4	054
Voice Dahs	52	4	054
JzVox Thum	56	4	054
JzVoiceDat	53	4	054
Vox Sweep	2	4	095
P4 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
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
P5 Water Space	4	4	092
Cosmic Voice	8	4	092
Vocorderman	11	4	092
Horror Pad	8	4	095
Breath&Rise	11	4	095
Rich Choir1	14	4	053
Chorus Oohs1	1	4	054
VoicLah Fem	16	4	054
ChorusLahFem	17	4	054
ChorusLuhFem	19	4	054
P6 VoiceUuh Fem	23	4	054
Fem Lah&Lan	24	4	054
Brass	CC00	CC32	PC C1
P1 Ac.Brass	80	4	062 ✓
Brass Sforz.	81	4	062 ✓
2Tps+Tb	43	4	062
Trombone1	48	4	058
Henry IV	47	4	064

Tuba1	0	4	059
French Horns	0	4	061
Jump Brass	5	4	063
Africa Brass	80	4	064 ✓
St.Orch Brs1	36	4	062
P2 Octave Brass	24	4	062
FatPop Brass	14	4	062
Trombone 2	49	4	058
Tuba 2	1	4	059
Tuba + Horn	8	4	059
Warm Brass	2	4	064
MG Brass fst	81	4	064 ✓
MKS Brass	4	4	063
St. Brass ff	3	4	062
Horn + Orche	2	4	061
P3 Tuba 3	47	4	059
Fr.Horn	1	4	061
Dual Horns	9	4	061
JUNO Brass	1	4	063
Fat SynBrass	5	4	064
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
P4 Bs.Trombone	51	4	058
Synth Brass1	0	4	063
DeepSynBrass	6	4	064
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
P5 Brass	9	4	063
Brass 1	0	4	062
P5 2Tps+Tb+Sax	44	4	062
Brass 2	8	4	062
Brass 3	9	4	062
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
P6 Euphonium	52	4	058
Bones Sect.	2	4	062
Quad Brass2	5	4	062
SH-5 Brass	3	4	063
Brass sfz 2	12	4	062
Brass Fall	16	4	062
Brass Oct	116	4	042
Wide FreHrms	3	4	061
F.Hrn Slow:	8	4	061
Velo Brass 1	16	4	064
P7 SoaringHorns	46	4	064
Quad Brass1	4	4	062
Sax-Trumpet	CC00	CC32	PC C1
P1 BlowAltoVib	50	4	066
St.Tenor Sax	9	4	067
Baritone Sax	0	4	068
Soprano Exp.	8	4	065
Bari & Tenor	8	4	068
MariachiTp	50	4	057
MuteTrumpet1	0	4	060
FlugelHorn	55	4	057
Romantc Tp	49	4	057
Trumpet	48	4	057
P2 Folk A.Sax	17	2	066
Tenor Sax 2	0	4	067
Folk A.SaxVb	18	2	066
Blowed Tenor	46	4	067
AltoSax Soft	46	4	066
Muted Tp 1	48	4	060
Tp Mar/Shk	52	4	057
Trumpet1	0	4	057
Rom/Mar Tp	51	4	057

FolkTrumpVb	18	2	057
P3 FolkAlto	51	4	066
AltoSax Exp.	8	4	066
Soprano Sax	0	4	065
Sax Section	17	4	066
Latin Tenor	44	4	067
Muted Tp 2	49	4	060
Tp Shake	53	4	057
Bright Tp.	24	4	057
Warm Tp.1	25	4	057
FolkTrumpet	17	2	057
P4 Grow Sax	9	4	066
Alto Sax	0	4	066
AltoSax + Tp	16	4	066
Tenor Sax 1	45	4	067
TenorSaxFst	50	4	067
MuteTrumpet3	3	4	060
Dark Trumpet	3	4	057
Trumpet & Nz	4	4	057
MuteTrumpet2	2	4	060
Twin Tp.	27	4	057
P5 Super Tenor	47	4	067
Oriental SAX	116	4	066
BreathyTn.	8	4	067
Muted Horns	8	4	060
Atk Trumpet	47	4	057
Warm Tp.2	26	4	057
Wind	CC00CC32	PC C1	
P1 FluteVibAtk	52	4	074
JazzClariVib	50	4	072
FolkClarinet	51	4	072
Oboe	0	4	069
Piccolo1	0	4	073
Bassoon	0	4	071
BottleBlow1	0	4	077
Whistle 1	0	4	079
Pan Flute1	0	4	076
English Horn	0	4	070
P2 FlTraverso	50	4	074
SoftClarinet	52	4	072
FolkClarinetVb	17	2	072
Oboe Exp.	8	4	069
Piccolo 2	1	4	073
Bs Clarinet	8	4	072
BottleBlow2	47	4	077
Whistle 2	1	4	079
Pan Flute2	47	4	076
Multi Wind	16	4	072
P3 Flute Exp	49	4	074
Clarinet	0	4	072
Folk Clarin	16	2	072
Quad Wind	17	4	072
Recorder	0	4	075
The Bottle	46	4	077
Ocarina	0	4	080
TinWhistle2	46	4	076
Pipe & Reed	9	4	074
Flute 2	1	4	074
P4 Flute	48	4	074
Tron Flute	51	4	074
Synth	CC00CC32	PC C1	
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
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
P10260RingLead	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
DualSyncLead	21	4	085
UFO FX	14	4	102
5th Saw Wave	0	4	087
FallInInsect	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
260HarmPad	7	4	089
Music Bell	10	4	099
Pad-Ethnic	CC00CC32	PC C1	
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
Nay	8	4	073
Shakuhachi	0	4	078
Oud	24	4	106
Kawala	8	4	076
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
Tambra	8	4	105
Rabab	8	4	106
Shamisen	0	4	107
Kalimba	0	4	109
Sanza	8	4	109
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
Bagpipe	0	4	110
Gopichant	16	4	106
UillnPipe Or	11	4	110
Fiddle	0	4	111
Pungi	8	4	112
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
Bozouki	116	4	106
Mizmar	24	4	112
Uilleann Pipe	9	4	110
Sitar 2	1	4	105
Kanoun3 TrmV	115	4	093
P5 Soundtrack	0	4	098
JP8Haunting	43	4	092
Metal Pad	0	4	094
Silky Pad 1	9	4	104
Echo Pan 1	2	4	103
Kawala 1	116	4	101
Di	16	4	073
KanounStereo	116	4	087
Zither 1	16	4	016
Hichiriki	16	4	112
P6 Octave Pad	8	4	090
Sync Brs.Pad	11	4	090
Silky Pad 2	11	4	104
Star Dust	3	4	104
Mystic Pad	6	4	104
Pi Pa	32	4	106
Sitar/Drone	4	4	105
Sitar 3	5	4	105
Tsugaru	1	4	107
San Xian	9	4	106
P7 Anklung Pad	3	4	097
Tine Pad	1	4	094
Hols Strings	4	4	098
Oct.PWM Pad	12	4	090
PWM Soft Pad	43	4	090
Koto	0	4	108
Tin Whistle	24	4	076
Syn Shamisen	8	4	107
TinWhistleNm	25	4	076
Gu Zheng	1	4	108

P8	LFO Sweep	44	4	090
	Ambient Pad	6	4	100
	Saw Strings	46	4	090
	JP8 Sqr Pad	2	4	093
	SoftBellPad	1	4	093
	Taisho Koto	8	4	108
	Kanoun	16	4	108
	Bodhran	9	4	109
	Bodhran Mute	10	4	109
	Didgeridoo	8	4	110
P9	Panner Pad	2	4	094
	Bowed Glass	0	4	093
	Special Rave	4	4	094
	Halo Pad	0	4	095
	Sweep Pad	0	4	096
	Oud1 Tremolo	116	4	110
	Oud+Strings	28	4	106
	Kanoun+Choir	19	4	108
	Oct Harp	24	4	108
	ShakuBamboo	47	4	078
P10	Ambient BPF	2	4	096
	Converge	8	4	096
	Warriors	4	4	096
	Shwimmer	9	4	096
	Celestial Pd	10	4	096
	UillnPipe Nm	10	4	110
	Er Hu	8	4	111
	Gao Hu	9	4	111
	Shanai 1	0	4	112
	Shanai 2	1	4	112
P11	Sweep Stack	13	4	096
	Sweep Pipe	12	4	096
	SawsSweep	47	4	096
	Stray Pad	15	4	096
	Clavi Pad	8	4	097
	Suona 1	32	4	112
	Suona 2	33	4	112
	Tinkle Bell	0	4	113
	Gender	9	4	113
	Pemade	15	4	113
P12	EP Pad	9	4	097
	CP Pad	11	4	097
	Ancestral	1	4	098
	Prologue 1	2	4	098
	Prologue 2	3	4	098
	Yang Qin	24	4	047
	Santur	0	4	016
	Cimbalom	8	4	016
	Dulcimer	24	4	016
	Kanoun 3 St	115	4	087
P13	HistoryWave	5	4	098
	Echo Pan 2	3	4	103
	Pan Sequence	8	4	103
	Star Theme	0	4	104
	Echo Bell	1	4	103
	Kanoun1 TrmV	116	4	093
	Kanoun2 TrmV	116	4	094
	Kanoun 3	115	4	095
	Kanoun 1	116	4	095
	Kanoun 2	116	4	096
P14	Panning Lead	10	4	103
	D-Mention	80	4	095 ✓
	Kanoun Trm	116	4	097
	Kanoun 3 Oct	115	4	099
	Kanoun Oct.	116	4	099
	Kawala 2	116	4	100
	Kawala Oct.	116	4	102
	Kawala Oct.V	116	4	103
	Bozouki Trm	116	4	107
	Bozouki TrmV	116	4	108
P15	Rababa	116	4	111
	Oud 1	116	4	112
	Oud 2	116	4	113
	Oud2 Tremolo	116	4	114
	Oud1Trm VMix	116	4	115
	Oud2Trm VMix	116	4	116
	Oud Oct.	116	4	117
	NAY	116	4	118
	NAY Oct.	116	4	119
	NAY Oct.VMix	116	4	120
P16	Mizmar Trm	116	4	121
	Mizmar	116	4	122
	Mizmar Oct	116	4	123
	Mizmar Trm V	116	4	124
	Mizmar Dual	116	4	126
	Arghool	116	4	127
	Percuss-SFX	CC00	CC32	PC C1
P1	Reverse Cym.	0	4	120
	Woodblock	0	4	116
	Taiko	0	4	117
	Agogo	0	4	114
	Steel Drums	0	4	115
	Gun Shot	0	4	128
	Telephone 1	0	4	125
	Car-Stop	2	4	126
	Helicopter	0	4	126
	Seashore	0	4	123
P2	Sine Perc.	10	4	119
	Fl.Key Click	1	4	122
	Cymbal Roll	47	4	113
	Elec Perc	9	4	119
	Horse-Gallop	2	4	124
	Dog	1	4	124
	Bird 1	0	4	124
	Growl 1	5	4	124
	Kitty	4	4	124
	Jazz Tom	3	4	118
P3	808 Tom	8	4	119
	Melo. Tom 1	0	4	118
	Breath Noise	0	4	122
	Small Club	7	4	127
	Explosion	3	4	128
	Car-Engine	1	4	126
	Seal	8	4	124
	Rain	1	4	123
	Thunder	2	4	123
	Wind 1	3	4	123
P4	Stream	4	4	123
	Melo. Tom 2	8	4	118
	Jungle SD	18	4	118
	Bubble	5	4	123
	Wind 2	6	4	123
	Bird 2	3	4	124
	DoorCreaking	2	4	125
	Siren	5	4	126
	Train	6	4	126
	Jetplane	7	4	126
P5	Starship	8	4	126
	Burst Noise	9	4	126
	Synth Drum	0	4	119
	Car-Pass	3	4	126
	Door	3	4	125
	Telephone 2	1	4	125
	Cricket	7	4	123
	Rev.Snare 1	8	4	120
	Rev.ConBD	17	4	120
	Rev.Kick 1	16	4	120
P6	White Noise	17	4	123
	Winds Hit	47	4	123
	Pink Noise	16	4	123
	Scratch	4	4	125
	TapeRewind	9	4	125
	Growl 2	6	4	124
	Rev.Tom 2	25	4	120
	Trumpet Nz	9	4	122
	Fancy Animal	7	4	124
	Scratch 2	7	4	125
P7	ScratchKey	8	4	125
	Phono Noise	10	4	125
	MC-500 Beep	11	4	125
	HandClapMenu	40	4	116
	909 HandClap	32	4	116
	Finger Snaps	24	4	116
	Voice ComeOn	23	4	127
	Car-Crash	4	4	126
	Calculating	10	4	126
	Concert BD	8	4	117
P8	Wind Chimes	5	4	125
	Voice One	16	4	127
	Voice Two	17	4	127
	Voice Three	18	4	127
	Voice Tah	19	4	127
	Castanets	8	4	116
	Tambourine	16	4	114
	Perc. Bang	11	4	126
	Burner	12	4	126
	Glass & Glam	13	4	126
P9	Ice Ring	14	4	126
	Crack Bottle	16	4	126
	Kajar	17	4	113
	Small Taiko	1	4	117
	Voice Aou	24	4	127
	Voice Oou	25	4	127
	Voice Hie	26	4	127
	Pour Bottle	17	4	126
	Open CD Tray	19	4	126
	Audio Switch	20	4	126
P10	Bounce	18	4	117
	Key Typing	21	4	126
	SL 1	22	4	126
	SL 2	23	4	126
	Kelontuk Sid	20	4	113
	Car Engine	24	4	126
	Car Horn	25	4	126
	Boeeseen	26	4	126
	R.Crossing	27	4	126
	Compressor	28	4	126
P11	Sword Boom!	29	4	126
	Sword Cross	30	4	126
	Stab! 1	31	4	126
	Stab! 2	32	4	126
	Applause 1	0	4	127
	Laughing	1	4	127
	Screaming	2	4	127
	Punch	3	4	127
	Atarigane	8	4	114
	Heart Beat	4	4	127
P12	Footsteps	5	4	127
	Applause 2	6	4	127
	ApplauseWave	8	4	127
	Angklung	16	4	116
	BabyLaughing	9	4	127
	Voice Whey	20	4	127
	Voice Kikit	22	4	127
	Machine Gun	1	4	128
	Lasergun	2	4	128
	Bebarongan	25	4	117
P13	Dholak 1	27	4	117
	Eruption	4	4	128
	Big Shot	5	4	128
Drum	CC00	CC32	PC C1	
P1	V-Pop1	0	4	7
	V-R&B	0	4	5
	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
	V-Fiesta	0	4	6
	New Pop	0	4	4
	New Folk	0	4	8
P2	New Brush Pop	0	4	45
	New PBrush Perc	0	4	46
	New Pop Perc	0	4	47
	Power	0	4	17
	V-Rock1	0	4	20
	V-Rock 2	0	4	19
	New Rock	0	4	18
	Dance	0	4	27
	House	0	4	14
	Jungle	0	4	11
P3	Hip Hop	0	4	10
	Techno	0	4	12
	Multi Drum	0	4	32
	Electronic	0	4	25
	TR-808	0	4	26
	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
P4	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
	Cym&Claps 2	0	4	63
	Orchestra	0	4	49
	V-VoxDrum	0	4	64
	Cymbal&Claps	0	4	54
	Kick&Snare2	0	4	52
P5	Kick&Snare	0	4	51
	Or. Techno	0	4	66
	Ethnic	0	4	50
	Asia	0	4	53
	Oriental 3	0	3	117
	Gamelan 1	0	4	55
	Gamelan 2	0	4	56
	Oriental4	0	4	117
	Or. R&B	0	4	65
	SFX 2	0	4	61
P6	Rhythm FX 3	0	4	60
	Rhythm FX 2	0	4	59
	Rhythm FX	0	4	58
	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-3 [CC32: 4] STANDARD L/R	PC-7 [CC32: 4] V-Pop1	PC-5 [CC32: 4] V-R&B	PC-6 [CC32: 4] V-Fiesta	PC-9 [CC32: 4] ROOM	PC-10 [CC32: 4] HIP HOP	PC-11 [CC32: 4] JUNGLE	PC-12 [CC32: 4] TECHNO
C-1	Std.1 Kick1	Std.1 Kick1	---	HipHop BD1	HipHop BD1	HipHop BD1	Std.1 Kick1	Elec Kick 2	Elec Kick 2	Elec Kick 2
1	Std.1 Kick2	Std.1 Kick2	---	Jazz Kick 1	Jazz Kick 1	Jazz Kick 1	Std.1 Kick2	Elec Kick 1	Elec Kick 1	Elec Kick 1
2	Std.2 Kick1	Std.2 Kick1	---	Mex_Kik36	Mex_Kik36	Mex_Kik36	Std.2 Kick1	CR78 BD 1	CR78 BD 1	CR78 BD 1
3	Std.2 Kick2	Std.2 Kick2	---	85Rm BsDrum1	85Rm BsDrum1	85Rm BsDrum1	Std.2 Kick2	CR78 BD 2	CR78 BD 2	CR78 BD 2
4	Kick 1	Kick 1	---	85Rm BsDrum2	85Rm BsDrum2	85Rm BsDrum2	Kick 1	TR-606 BD1	TR-606 BD1	TR-606 BD1
5	Kick 2	Kick 2	---	HipHop BD2	HipHop BD2	HipHop BD2	Kick 2	TR-707 BD	TR-707 BD	TR-707 BD
6	Jazz Kick 1	Jazz Kick 1	---	Techno BD1	Techno BD1	Techno BD1	Jazz Kick 1	808 Kick	808 Kick	808 Kick
7	Jazz Kick 2	Jazz Kick 2	---	JungleBD Set	JungleBD Set	JungleBD Set	Jazz Kick 2	TR-808 Kick	TR-808 Kick	TR-808 Kick
8	Room Kick 1	Room Kick 1	---	HipHop BD1	HipHop BD1	HipHop BD1	Room Kick 1	808 BD	808 BD	808 BD
9	Room Kick 2	Room Kick 2	---	909 Comp BD	909 Comp BD	909 Comp BD	Room Kick 2	TR-909 Kick	TR-909 Kick	TR-909 Kick
10	Power Kick1	Power Kick1	---	85St BsDrum1	85St BsDrum1	85St BsDrum1	Power Kick1	Dance Kick 2	Dance Kick 2	Dance Kick 2
11	Power Kick2	Power Kick2	---	NewJzKik	NewJzKik	NewJzKik	Power Kick2	909 Comp BD	909 Comp BD	909 Comp BD
C0	Elec Kick 2	Elec Kick 2	---	NewRockKik	NewRockKik	NewRockKik	Elec Kick 2	TR-909 BD2	TR-909 BD2	TR-909 BD2
13	Elec Kick 1	Elec Kick 1	---	Cymbal Roll	Cymbal Roll	Cymbal Roll	Elec Kick 1	HipHop BD2	HipHop BD2	HipHop BD2
14	TR-808 Kick	TR-808 Kick	---	NewRkCstk_2	NewRkCstk_2	NewRkCstk_2	TR-808 Kick	JungleBD Set	JungleBD Set	JungleBD Set
15	TR-909 Kick	TR-909 Kick	---	82Rm Snare1	82Rm Snare1	82Rm Snare1	TR-909 Kick	Techno BD1	Techno BD1	Techno BD1
16	Dance Kick 2	Dance Kick 2	---	82Rm Snare2	82Rm Snare2	82Rm Snare2	Dance Kick 2	Bounce	Bounce	Bounce
17	Voice One	Voice One	Voice One	85St Snare1	85St Snare1	85St Snare1	Voice One	Voice One	Voice One	Voice One
18	Voice Two	Voice Two	Voice Two	85St Snare2	85St Snare2	85St Snare2	Voice Two	Voice Two	Voice Two	Voice Two
19	Voice Three	Voice Three	Voice Three	NewJzSn2	NewJzSn2	NewJzSn2	Voice Three	Voice Three	Voice Three	Voice Three
20	85Rm BsDrum1	---	---	NewJzSn1	NewJzSn1	NewJzSn1	85St BsDrum1	HipHop BD1	TR-909 BD2	HipHop BD2
21	85Rm BsDrum2	---	---	NewR&Bsn	NewR&Bsn	NewR&Bsn	85St BsDrum2	Std2 Kick2	909 Comp BD	909 Comp BD2
22	MC-500 Beep	MC-500 Beep	MC-500 Beep	NewRockSn2_2	NewRockSn2_2	NewRockSn2_2	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep
23	MC-500 Beep	MC-500 Beep	MC-500 Beep	NewRockSn1_2	NewRockSn1_2	NewRockSn1_2	MC-500 Beep	MC-500 Beep	MC-500 Beep	MC-500 Beep
C1	Concert Snr	Concert Snr	Concert Snr	IPopSn38_2	IPopSn38_2	IPopSn38_2	Concert Snr	Concert Snr	Concert Snr	Concert Snr
24	Snr Roll	Snr Roll	Snr Roll	IPopGst539_2	IPopGst539_2	IPopGst539_2	Snr Roll	Snr Roll	Snr Roll	Snr Roll
25	FingerSnaps2	Finger Snap	FingerSnaps2	IPopSn38_2	IPopSn38_2	IPopSn38_2	Finger Snap	FingerSnaps2	FingerSnaps2	FingerSnaps2
26	High-Q	High-Q	High-Q	FingerSnaps2	FingerSnaps2	FingerSnaps2	High-Q	High-Q	High-Q	High-Q
27	Slap	Slap	Slap	909 HandClap	909 HandClap	909 HandClap	Slap	Slap	Slap	Slap
28	ScratchPush	ScratchPush	ScratchPush	808clap	808clap	808clap	ScratchPush	Scrth Push2	Scrth Push2	Scrth Push2
29	ScratchPull	ScratchPull	ScratchPull	Hand clap2	Hand clap2	Hand clap2	ScratchPull	Scrth Pull2	Scrth Pull2	Scrth Pull2
30	Sticks	Sticks	Sticks	909 HandClap	909 HandClap	909 HandClap	Sticks	Sticks	Sticks	Sticks
31	SquareClick	SquareClick	SquareClick	IPopPhat32	IPopPhat32	Mex_Phat32	SquareClick	SquareClick	SquareClick	SquareClick
32	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	GospelHC1p1	GospelHC1p1	GospelHC1p1	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click
33	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	IPopSRI130_1	IPopSRI130_1	Mex_SnrRol34	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell	Mtrnm.Bell
34	85St BsDrum1	Std2 Kick2	85St BsDrum1	IPopKik35	IPopKik35	Mex_Kik35	85Rm BsDrum1	TR-909 BD2	HipHop BD1	Techno BD1
35	85St BsDrum2	Std.2 Kick1	85St BsDrum2	IPopKik36	IPopKik36	Mex_Kik36	85Rm BsDrum2	909 Comp BD	Std2 Kick2	TR-909 BD2
C2	Side Stick	Side Stick	Side Stick	IPopCstk37_1	IPopCstk37_2	IPopCstk37_2	Side Stick	808 Rimshot	Side Stick	808 Rimshot
37	85St Snare2	Std.2 Snare1	85St Snare2	IPopSn38_1	NewR&Bsn	Mex_Snr38	82Rm Snare2	Rap Snare	Dance Snare1	Dance Snare1
38	909 HandClap	808clap	909 HandClap	IPopGst539_1	NewR&BsnGst	Mex_Gst539	808clap	909 HandClap	HC2 Claps 2	707 Claps 2
39	85St Snare1	Std.2 Snare2	85St Snare1	IPopSn40_1	IPopSn40_2	Mex_Snr40	82Rm Snare1	House SD	House SD	909 SD 1
40	Real Tom 6	Real Tom 6	Real Tom 6	IPopTomLF141	IPopTomLF141	IPopTomLF141	Room Tom 5	Brush Tom	909 Tom	606 Dist.Tom
41	Close HiHat2	Jazz Clsd.HH	82StClshatB	IPopHat1_42	IPopHat1_42	Mex_Hat1_42	Room Chh	Room Chh	606 CH	TR-707 HH-c
42	Real Tom 6	Real Tom 6	Real Tom 6	IPopTomL43	IPopTomL43	IPopTomL43	Room Tom 5	Brush Tom	909 Tom	606 Dist.Tom
43	Pedal HiHat2	Pedal HiHat	Pedal HiHat2	IPopHat2_44	IPopHat2_44	Mex_Hat2_44	Pedal HiHat	Pedal HiHat	Jungle HH	CR-78 chh
44	Real Tom 4	Real Tom 4	Real Tom 4	IPopTomMF145	IPopTomMF145	IPopTomMF145	Room Tom 2	Brush Tom	909 Tom	606 Dist.Tom
45	Open HiHat2	Jazz Open HH	82StOpenHatB	IPopHat3_46	IPopHat3_46	Mex_Hat3_46	R8 Ohh2	R8 Ohh2	Op HiHat Op	909 OH
46	Real Tom 4	Real Tom 4	Real Tom 4	IPopTomM47	IPopTomM47	IPopTomM47	Room Tom 2	Brush Tom	909 Tom	606 Dist.Tom
47	Real Tom 1	Real Tom 1	Real Tom 1	IPopTomHF148	IPopTomHF148	IPopTomHF148	Room Tom 2	Brush Tom	909 Tom	606 Dist.Tom
C3	Crash Cym.1	Crash Cym.1	Crash Tc B	IPopCym12_52	IPopCym1_49	IPopCym1_49	Crash Cym.1	909 Crash	Jngl Crash	909 Crash
49	Real Tom 1	Real Tom 1	Real Tom 1	IPopTomH50	IPopTomH50	IPopTomH50	Room Tom 2	Brush Tom	909 Tom	606 Dist.Tom
50	Ride Cymbal	Ride Cymbal	Ride_c B	IPopRd1_51	IPopRd1_51	IPopRd1_51	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal
51	ChinaCymbal	ChinaCymbal	ChinaCymbal	IPopCym1_49	IPopCym12_52	IPopCym12_52	ChinaCymbal	ReverseCymb1	ReverseCymb1	ReverseCymb1
52	Ride Bell	Ride Bell	Ridbl_c B	IPopRd2_55	IPopRd2_55	IPopRd2_55	Ride Bell	Ride Bell	Ride Bell	Ride Bell
53	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Shake Tamb	Shake Tamb	Shake Tamb
54	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.
55	Cowbell	Cowbell	Cowbell	ChaChaCBell	ChaChaCBell	ChaChaCBell	Cowbell	808cowbe	808cowbe	808cowbe
56	Crash Cym.2	Crash Cym.2	Crash Cym.2	NewRkCrCym2	NewRkCrCym2	NewRkCrCym2	Crash Cym.2	Crash Cym.2	Crash Cym.2	909 Crash
57	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap
58	Ride Cymbal	Ride Cymbal	Ride Cymbal	NewRkRdCym1	NewRkRdCym1	NewRkRdCym1	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal
C4	Bongo High	Bongo High	Bongo High	NewHiBongo	NewHiBongo	NewHiBongo	Bongo High	Bongo High	Bongo High	CR78 HiBongo
60	Bongo Lo	Bongo Lo	Bongo Lo	NewLoBongo	NewLoBongo	NewLoBongo	Bongo Lo	Bongo Lo	Bongo Lo	CR78 LoBongo
61	Mute H.Conga	Mute H.Conga	Mute H.Conga	NewCongaSlp	NewCongaSlp	NewCongaSlp	Mute H.Conga	Mute H.Conga	Mute H.Conga	808 Conga
62	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn	NewCongaOp	NewCongaOp	NewCongaOp	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn	808 Conga
63	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn	NewLoConga	NewLoConga	NewLoConga	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn	808 Conga
64	High Timbale	High Timbale	High Timbale	NewTmb1Hi	NewTmb1Hi	NewTmb1Hi	High Timbale	High Timbale	High Timbale	High Timbale
65	Low Timbale	Low Timbale	Low Timbale	NewTmb1Lo	NewTmb1Lo	NewTmb1Lo	Low Timbale	Low Timbale	Low Timbale	Low Timbale
66	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
67	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
68	Cabasa	Cabasa	Cabasa	NewShaker2	NewShaker2	NewShaker2	Cabasa	Cabasa	Cabasa	Cabasa
69	Maracas	Maracas	Maracas	NewShaker1	NewShaker1	NewShaker1	Maracas	808marac	808marac	808marac
70	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle
71	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle
C5	Short Guiro	Short Guiro	Short Guiro	NewQuide1	NewQuide1	NewQuide1	Short Guiro	Short Guiro	Short Guiro	Short Guiro
73	Long Guiro	Long Guiro	Long Guiro	NewQuide2	NewQuide2	NewQuide2	Long Guiro	CR78 Guiro	CR78 Guiro	CR78 Guiro
74	Claves	Claves	Claves	NewClaves	NewClaves	NewClaves	Claves	808clave	808clave	808clave
75	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock
76	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock
77	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Hoo	Hoo	Hoo	Hoo
78	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Hoo	Hoo	Hoo
79	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl
80	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl
81	Shaker	Shaker	Shaker	Shaker	Shaker	Shaker	Shaker	626 Shaker	626 Shaker	626 Shaker
82	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
83	Bell Tree	Bar Chimes	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
C6	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets
85	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
86	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo
87	Applause 2	Applause 2	Applause 2	Cana	Cana	Cana	Applause 2	Small Club	Small Club	Applause 2
88	---	---	---	NewTmb1HiFim	NewTmb1HiFim	NewTmb1HiFim	---	Rap Snare	Jngl BD Roll	Dance Snare1
89	---	---	---	NewTmb1LoFim	NewTmb1LoFim	NewTmb1LoFim	---	Power Snare2	Jngl SD Roll	Elec Snare 2
90	---	---	---	NewTmb1PHS	NewTmb1PHS	NewTmb1PHS	---	Noise Slap	66sn260	Dance Snare1
91	---	---	---	NewShekere1	NewShekere1	NewShekere1	---	85St Snare1	Dance Snare1	House SD
92	---	---	---	NewShekere2	NewShekere2	NewShekere2	---	85St Snare2	909 SD 1	Rap Snare
93	---	---	---	NHnngoMute	NHnngoMute	NHnngoMute	---	82Rm Snare1	Elec Snare 2	House SD
94	82Rm Snare2	---	85St BsDrum1	NewLbngoMute	NewLbngoMute	NewLbngoMute	85St Snare2	82Rm Snare2	Dance Snare1	Dance Snare1
95	82Rm Snare1	---	85St BsDrum2	CajonHi	CajonHi	CajonHi	85St Snare1	Dance Snare1	Rap Snare	Rap Snare
C7										

	PC: 13 [CC32: 4]	PC: 14 [CC32: 4]	PC: 17 [CC32: 4]	PC: 20 [CC32: 4]	PC: 19 [CC32: 4]	PC: 25 [CC32: 4]	PC: 26 [CC32: 4]	PC: 27 [CC32: 4]	PC: 28 [CC32: 4]	PC: 29 [CC32: 4]
	ROOM L/R	HOUSE	POWER	V-Rock1	V-Rock2	ELECTRONIC	TR-808	DANCE	CR-78	TR-606
C-1	0	---	Elec Kick 2	Std.1 Kick1	HipHop BD1	HipHop BD1	Elec Kick 2	Elec Kick 2	Elec Kick 2	Elec Kick 2
	1	---	Elec Kick 1	Std.1 Kick2	Jazz Kick 1	Jazz Kick 1	Elec Kick 1	Elec Kick 1	Elec Kick 1	Elec Kick 1
	2	---	CR78 BD 1	Std.2 Kick1	Mex_Kik36	Mex_Kik36	CR78 BD 1	CR78 BD 1	CR78 BD 1	CR78 BD 1
	3	---	CR78 BD 2	Std2 Kick2	85Rm BsDrum1	85Rm BsDrum1	CR78 BD 2	CR78 BD 2	CR78 BD 2	CR78 BD 2
	4	---	TR-606 BD1	Kick 1	85Rm BsDrum2	85Rm BsDrum2	TR-606 BD1	TR-606 BD1	TR-606 BD1	TR-606 BD1
	5	---	TR-707 BD	Kick 2	HipHop BD2	HipHop BD2	TR-707 BD	TR-707 BD	TR-707 BD	TR-707 BD
	6	---	808 Kick	Jazz Kick 1	Techno BD1	Techno BD1	808 Kick	808 Kick	808 Kick	808 Kick
	7	---	TR-808 Kick	Jazz Kick 2	JungleBD Set	JungleBD Set	TR-808 Kick	TR-808 Kick	TR-808 Kick	TR-808 Kick
	8	---	808 BD	Room Kick 1	HipHop BD1	HipHop BD1	808 BD	808 BD	808 BD	808 BD
	9	---	TR-909 Kick	Room Kick 2	909 Comp BD	909 Comp BD	TR-909 Kick	TR-909 Kick	TR-909 Kick	TR-909 Kick
	10	---	Dance Kick 2	Power Kick1	85S1 BsDrum1	85S1 BsDrum1	Dance Kick 2	Dance Kick 2	Dance Kick 2	Dance Kick 2
	11	---	909 Comp BD	Power Kick2	NewJzKik	NewJzKik	909 Comp BD	909 Comp BD	909 Comp BD	909 Comp BD
C0	12	---	TR-909 BD2	Elec Kick 2	NewRockKik	NewRockKik	TR-909 BD2	TR-909 BD2	TR-909 BD2	TR-909 BD2
	13	---	HipHop BD2	Elec Kick 1	Cymbal Roll	Cymbal Roll	HipHop BD2	HipHop BD2	HipHop BD2	HipHop BD2
	14	---	JungleBD Set	TR-808 Kick	NewRkCStk_2	NewRkCStk_2	JungleBD Set	JungleBD Set	JungleBD Set	JungleBD Set
	15	---	Techno BD1	TR-909 Kick	82Rm Snare1	82Rm Snare1	Techno BD1	Techno BD1	Techno BD1	Techno BD1
	16	---	Bounce	Dance Kick 2	82Rm Snare2	82Rm Snare2	Bounce	Bounce	Bounce	Bounce
	17	---	Voice One	Voice One	Voice One	85S1 Snare1	85S1 Snare1	Voice One	Voice One	Voice One
	18	---	Voice Two	Voice Two	Voice Two	85S1 Snare2	85S1 Snare2	Voice Two	Voice Two	Voice Two
	19	---	Voice Three	Voice Three	Voice Three	NewJzSn2	NewJzSn2	Voice Three	Voice Three	Voice Three
	20	---	TR-909 BD2	---	NewJzSn1	NewJzSn1	---	HipHop BD2	---	---
	21	---	Techno BD2	---	NewR&BSn	NewR&BSn	---	TR-909 BD2	---	---
	22	---	MC-500 Beep	MC-500 Beep	MC-500 Beep	IPopSn40_2	IPopSn40_2	MC-500 Beep	MC-500 Beep	MC-500 Beep
C1	23	---	MC-500 Beep	MC-500 Beep	MC-500 Beep	IPopSn38_2	IPopSn38_2	MC-500 Beep	MC-500 Beep	MC-500 Beep
	24	---	Concert Snr	Concert Snr	Concert Snr	IPopSn38_2	IPopSn38_2	Concert Snr	Concert Snr	Concert Snr
	25	---	Snare Roll	Snare Roll	Snare Roll	IPopGst39_2	IPopGst39_2	Snare Roll	Snare Roll	Snare Roll
	26	---	Finger Snap	FingerSnaps2	FingerSnaps2	IPopSn40_2	IPopSn40_2	Finger Snap	FingerSnaps2	FingerSnaps2
	27	---	High-Q	High-Q	High-Q	FingerSnaps2	FingerSnaps2	High-Q	High-Q	High-Q
	28	---	Slap	Slap	Slap	909 HandClap	909 HandClap	Slap	Slap	Slap
	29	---	ScratchPush	Scrth Push2	Scrth Push2	808clap	808clap	Scrth Push2	Scrth Push2	Scrth Push2
	30	---	ScratchPull	Scrth Pull2	Scrth Pull2	Hand clap2	Hand clap2	Scrth Pull2	Scrth Pull2	Scrth Pull2
	31	---	Sticks	Sticks	Sticks	909 HandClap	909 HandClap	Sticks	Sticks	Sticks
	32	---	SquareClick	SquareClick	SquareClick	NewRkHatPdl	NewRkHatPdl	SquareClick	SquareClick	SquareClick
	33	---	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	GospelHC1p1	GospelHC1p1	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click
	34	---	Mtrnm. Bell	Mtrnm. Bell	Mtrnm. Bell	NewRkSnRll	NewRkSnRll	Mtrnm. Bell	Mtrnm. Bell	Mtrnm. Bell
C2	35	---	85Rm BsDrum1	HipHop BD2	Power Kick2	NewRockKik	NewRockKik	Elec Kick 2	808 BD	TR-909 BD2
	36	---	85Rm BsDrum2	TR-909 BD2	Power Kick1	NewRockKik	NewRockKik	Elec Kick 1	TR-808 Kick	Techno BD2
	37	---	Side Stick	Side Stick	Side Stick	NewRkCStk_1	NewRkCStk_1	Side Stick	808 Rimshot	CR78 Rim
	38	---	82Rm Snare2	House SD	Dance Snare1	NewRockSn1_1	NewRockSn1_1	Elec. Snare	808 Snare 1	Dance Snare1
	39	---	808clap	909 HandClap	808clap	NewRkSnGst	NewRkSnGst	808clap	909 HandClap	707 Claps
	40	---	82Rm Snare1	Elec Snare 2	Power Snare1	NewRockSn2_1	NewRockSn2_1	Elec Snare 2	TR-808 SD2	CR78 SD 2
	41	---	Room Tom 5	909 Tom	Room Tom 4	NewRkTomL2FI	NewRkTomL2FI	Synth Drum 2	808 Tom 2	Synth Drum 2
	42	---	82RmClSHatB	TR-707 HH-c	Close HiHat2	NewRkHat1	NewRkHat1	Jazz ClsdHH	TR-808 CHH	CR-78 chh
	43	---	Room Tom 5	909 Tom	Room Tom 4	NewRkTomL2	NewRkTomL2	Synth Drum 2	808 Tom 2	Synth Drum 2
	44	---	Pedal HiHat	CR-78 chh	Pedal HiHat2	NewRkHat2	NewRkHat2	Pedal HiHat	808_chh	808_chh
	45	---	Room Tom 2	909 Tom	Room Tom 4	NewRkTomL1FI	NewRkTomL1FI	Synth Drum 2	808 Tom 2	Synth Drum 2
	46	---	82RmOpenHatB	909 OH	Open HiHat2	NewRkHat3	NewRkHat3	Jazz Open HH	TR-808 OHH	CR-78 ohh
	47	---	Room Tom 2	909 Tom	Room Tom 4	NewRkTomL1	NewRkTomL1	Synth Drum 2	808 Tom 2	Synth Drum 2
C3	48	---	Room Tom 2	909 Tom	Room Tom 4	NewRkTomHFI	NewRkTomHFI	Synth Drum 2	808 Tom 2	Synth Drum 2
	49	---	Crash 1 c B	909 Crash	Crash Cym.1	NewRkCrCym1	NewRkCrCym1	Crash Cym.1	808 Crash	808 Crash
	50	---	Room Tom 2	909 Tom	Room Tom 1	NewRkTomM	NewRkTomHi	Synth Drum 2	808 Tom 2	Synth Drum 2
	51	---	Ride_c B	909 Ride Cym	Ride Cymbal	NewRkRdCym1	NewRkRdCym1	Ride Cymbal	606 Ride Cym	606 Ride Cym
	52	---	ChinaCymbal	ReverseCymb	ChinaCymbal	NewRkCrCym2	NewRkCrCym2	ReverseCymb	ChinaCymbal	ChinaCymbal
	53	---	Ridbl_c B	Ride Bell	Ride Bell	NewRkRdCym2	NewRkRdCym2	Ride Bell	Ride Bell	Ride Bell
	54	---	Tambourine	Shake Tamb	Tambourine	Tambourine	Tambourine	CR78 Tmb	Shake Tamb	CR78 Tmb
	55	---	Splash Cym.	Splash Cym.	Splash Cym.	NewRkCrCym3	NewRkCrCym3	Splash Cym.	Splash Cym.	Splash Cym.
	56	---	Cowbell	808cowbe	Cowbell	ChaChaCBell	ChaChaCBell	Cowbell	808cowbe	CR78 Cow
	57	---	Crash Cym.2	909 Crash	Crash Cym.2	NewRkCrCym4	NewRkCrCym4	Crash Cym.2	909 Crash	909 Crash
	58	---	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap
	59	---	Ride Cymbal	Ride Cymbal	Ride Cymbal	IPopRd1_51	IPopRd1_51	Ride Cymbal	RideCym Edge	RideCym Edge
C4	60	---	Bongo High	CR78 HiBongo	Bongo High	NewHiBongo	NewHiBongo	Bongo High	CR78 HiBongo	CR78 HiBongo
	61	---	Bongo Lo	CR78 LoBongo	Bongo Lo	NewLoBongo	NewLoBongo	Bongo Lo	CR78 LoBongo	CR78 LoBongo
	62	---	Mute H.Conga	808 Conga	Mute H.Conga	NewCongaSlp	NewCongaSlp	Mute H.Conga	808 Conga	808 Conga
	63	---	Conga Hi Opn	808 Conga	Conga Hi Opn	NewCongaOp	NewCongaOp	Conga Hi Opn	808 Conga	808 Conga
	64	---	Conga Lo Opn	808 Conga	Conga Lo Opn	NewLoConga	NewLoConga	Conga Lo Opn	808 Conga	808 Conga
	65	---	High Timbale	High Timbale	High Timbale	NewTmbHi	NewTmbHi	High Timbale	High Timbale	High Timbale
	66	---	Low Timbale	Low Timbale	Low Timbale	NewTmbLo	NewTmbLo	Low Timbale	Low Timbale	Low Timbale
	67	---	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
	68	---	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
	69	---	Cabasa	Cabasa	Cabasa	NewShaker2	NewShaker2	Cabasa	Cabasa	Cabasa
	70	---	Maracas	808marac	Maracas	NewShaker1	NewShaker1	Maracas	808marac	CR78 Maracas
	71	---	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle
C5	72	---	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle
	73	---	Short Guiro	Short Guiro	Short Guiro	NewQuide1	NewQuide1	Short Guiro	Short Guiro	Short Guiro
	74	---	Long Guiro	CR78 Guiro	Long Guiro	NewQuide2	NewQuide2	Long Guiro	CR78 Guiro	CR78 Guiro
	75	---	Claves	808clave	Claves	NewClaves	NewClaves	Claves	808clave	CR78 Clv
	76	---	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock
	77	---	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock
	78	---	Mute Cuica	Hoo	Mute Cuica	Mute Cuica	Mute Cuica	Hoo	Hoo	Hoo
	79	---	Open Cuica	Hoo	Open Cuica	Open Cuica	Open Cuica	Hoo	Hoo	Hoo
	80	---	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	CR78 M.Beats	CR78 M.Beats
	81	---	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	CR78 M.Beats	CR78 M.Beats
	82	---	Shaker	626 Shaker	Shaker	Shaker	Shaker	626 Shaker	626 Shaker	626 Shaker
	83	---	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
C6	84	---	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
	86	---	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
	88	---	Applause 2	Applause 2	Applause 2	Cana	Cana	Small Club	Small Club	Small Club
	89	---	---	66sn260	---	NewTmbHIFim	NewTmbHIFim	---	66sn260	---
	90	---	Dance Snare1	---	NewTmbLoFim	NewTmbLoFim	---	909 SD 1	---	---
	91	---	909 SD 1	---	NewTmbPHS	NewTmbPHS	---	Elec Snare 2	---	---
	92	---	Dance Snare1	---	NewShekere1	NewShekere1	---	House SD	---	---
	93	---	Dance Snare1	---	NewShekere2	NewShekere2	---	Rap Snare	---	---
	94	---	---	Rap Snare	---	NHBngoMute	NHBngoMute	---	House SD	---
	95	---	85Rm BsDrum1	House SD	---	NewLBngoMute	NewLBngoMute	---	Dance Snare1	---
C7	96	---	85Rm BsDrum2	House SD	---	CajonHi	CajonHi	---	Rap Snare	---

E-80 Music Workstation
Drum Sets | Parameter Reference

	PC: 1 [CC32: 4] STANDARD 1	PC: 2 [CC32: 4] STANDARD 2	PC: 3 [CC32: 4] STANDARD L/R	PC: 7 [CC32: 4] V-Pop1	PC: 5 [CC32: 4] V-R&B	PC: 6 [CC32: 4] V-Fiesta	PC: 9 [CC32: 4] ROOM	PC: 10 [CC32: 4] HIP HOP	PC: 11 [CC32: 4] JUNGLE	PC: 12 [CC32: 4] TECHNO
(C7)	96 82Rm Snare1	---	85St BsDrum2	CajonHi	CajonHi	CajonHi	85St Snare1	Dance Snare1	Rap Snare	Rap Snare
	97 Std.1 Snare1	Std.1 Snare1	Crash Cym.1	CajonHiFilm	CajonHiFilm	CajonHiFilm	Std.1 Snare1	Techno Hit	Techno Hit	Techno Hit
	98 Std.1 Snare2	Std.1 Snare2	85St Snare2	CajonLo	CajonLo	CajonLo	Std.1 Snare2	Philly Hit	Philly Hit	Philly Hit
	99 Std.2 Snare1	Std.2 Snare1	Ride Cymbal	CajonLoFilm	CajonLoFilm	CajonLoFilm	Std.2 Snare1	Shock Wave	Shock Wave	Shock Wave
	100 Std.2 Snare2	Std.2 Snare2	85St Snare1	FimncoHClp1	FimncoHClp1	FimncoHClp1	Std.2 Snare2	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave
	101 Tight Snare	Tight Snare	Real Tom 6	FimncoHClp1	FimncoHClp1	FimncoHClp1	Tight Snare	Bam Hit	Bam Hit	Bam Hit
	102 Standard SN1	Standard SN1	Close HiHat2	BongoCowBell	BongoCowBell	BongoCowBell	Standard SN1	Bim Hit	Bim Hit	Bim Hit
	103 LD Snare M	LD Snare M	Real Tom 4	AfHey	AfHey	AfHey	LD Snare M	TapeRewind	TapeRewind	TapeRewind
	104 LD Snare C	LD Snare C	Ride Bell	MamboCowBell	MamboCowBell	MamboCowBell	LD Snare C	Phono Noise	Phono Noise	Phono Noise
	105 Jazz Snare 1	Jazz Snare 1	Real Tom 1	MexFVox2	MexFVox2	MexFVox2	Jazz Snare 1	Dance Snare1	Dance Snare1	Dance Snare1
	106 Jazz Snare 2	Jazz Snare 2	Open HiHat2	AfFoots	AfFoots	AfFoots	Jazz Snare 2	Power Snare2	Power Snare2	Power Snare2
	107 Room Snare 1	Room Snare 1	825IBSDrum1P	MexFVox1	MexFVox1	MexFVox1	Room Snare 1	Elec Snare 1	Elec Snare 1	Elec Snare 1
	108 Room Snare 2	Room Snare 2	825IBSDrum2P	MexMVox1	MexMVox1	MexMVox1	Room Snare 2	Dance Snare2	Dance Snare2	Dance Snare2
	109 Dance Snare1	Dance Snare1	82JzCrsCym1P	YodelFVox1	YodelFVox1	YodelFVox1	Dance Snare1	Elec Snare 2	Elec Snare 2	Elec Snare 2
	110 Power Snare1	Power Snare1	825ISnare2P	MexMVox2	MexMVox2	MexMVox2	Power Snare1	Elec. Snare	Elec. Snare	Elec. Snare
	111 Rev.Snare	Rev.Snare	Ride_c P	YodelMVox1	YodelMVox1	YodelMVox1	Rev.Snare	Elec Snare 3	Elec Snare 3	Elec Snare 3
	112 Power Snare2	Power Snare2	825t Snare1P	MexMVox3	MexMVox3	MexMVox3	Power Snare2	66sn260	66sn260	66sn260
	113 Elec Snare 1	Elec Snare 1	Real6_t P	FimncoFVox1	FimncoFVox1	FimncoFVox1	Elec Snare 1	TR-707 SD	TR-707 SD	TR-707 SD
	114 Dance Snare2	Dance Snare2	825t ClsHatP	YodelFVox2	YodelFVox2	YodelFVox2	Dance Snare2	808 Snare 1	808 Snare 1	808 Snare 1
	115 Elec Snare 2	Elec Snare 2	Real4_t P	FimncoFVox2	FimncoFVox2	FimncoFVox2	Elec Snare 2	808 Snare 2	808 Snare 2	808 Snare 2
	116 Elec. Snare	Elec. Snare	Ridbl_c P	NewWhistle1	NewWhistle1	NewWhistle1	Elec. Snare	TR-808 SD2	TR-808 SD2	TR-808 SD2
	117 Elec Snare 3	Elec Snare 3	Real1_t P	FimncoFVox3	FimncoFVox3	FimncoFVox3	Elec Snare 3	909 Snare 1	909 Snare 1	909 Snare 1
	118 TR-707 SD	TR-707 SD	8251OpenHatP	NewWhistle2	NewWhistle2	NewWhistle2	TR-707 SD	909 Snare 2	909 Snare 2	909 Snare 2
	119 808 Snare 1	808 Snare 1	---	FimncoMVox1	FimncoMVox1	FimncoMVox1	808 Snare 1	909 SD 1	909 SD 1	909 SD 1
	120 808 Snare 2	808 Snare 2	---	FimncoMVox2	FimncoMVox2	FimncoMVox2	808 Snare 2	TR-909 SD2	TR-909 SD2	TR-909 SD2
	121 909 Snare 1	909 Snare 1	---	BrazilVox1	BrazilVox1	BrazilVox1	909 Snare 1	Rap Snare	Rap Snare	Rap Snare
	122 909 Snare 2	909 Snare 2	---	FimncoMVox3	FimncoMVox3	FimncoMVox3	909 Snare 2	JungleSD1	JungleSD1	JungleSD1
	123 Rap Snare	Rap Snare	---	BrazilVox2	BrazilVox2	BrazilVox2	Rap Snare	House SD	House SD	House SD
	124 JungleSD1	JungleSD1	---	BrazilVox3	BrazilVox3	BrazilVox3	JungleSD1	House Snare	House Snare	House Snare
	125 House SD	House SD	---	AfAahhh	AfAahhh	AfAahhh	House SD	House SD	House SD	House SD
	126 House Snare	House Snare	---	p33137v	p33137v	p33137v	House Snare	Voice Tah	Voice Tah	Voice Tah
G9	127 House SD	House SD	---	p33168v	p33168v	p33168v	House SD	Noise Slap	Noise Slap	Noise Slap

	PC: 13 [CC32: 4] ROOM L/R	PC: 14 [CC32: 4] HOUSE	PC: 17 [CC32: 4] POWER	PC: 20 [CC32: 4] V-Rock1	PC: 19 [CC32: 4] V-Rock2	PC: 25 [CC32: 4] ELECTRONIC	PC: 26 [CC32: 4] TR-808	PC: 27 [CC32: 4] DANCE	PC: 28 [CC32: 4] CR-78	PC: 29 [CC32: 4] TR-606
(C7)	96 85Rm BsDrum2	House SD	---	CajonHi	CajonHi	---	---	Rap Snare	---	---
	97 Crash Cym.1	Techno Hit	Std.1 Snare1	CajonHiFilm	CajonHiFilm	Techno Hit	Techno Hit	Techno Hit	Techno Hit	Techno Hit
	98 82Rm Snare2	Philly Hit	Std.1 Snare2	CajonLo	CajonLo	Philly Hit	Philly Hit	Philly Hit	Philly Hit	Philly Hit
	99 Ride Cymbal	Shock Wave	Std.2 Snare1	CajonLoFilm	CajonLoFilm	Shock Wave	Shock Wave	Shock Wave	Shock Wave	Shock Wave
	100 82Rm Snare1	Lo Fi Rave	Std.2 Snare2	FimncoHClp1	FimncoHClp1	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave
	101 Room Tom 5	Bam Hit	Tight Snare	FimncoHClp1	FimncoHClp1	Bam Hit	Bam Hit	Bam Hit	Bam Hit	Bam Hit
	102 Room Chh	Bim Hit	Standard SN1	BongoCowBell	BongoCowBell	Bim Hit	Bim Hit	Bim Hit	Bim Hit	Bim Hit
	103 Room Tom 2	TapeRewind	LD Snare M	AfHey	AfHey	TapeRewind	TapeRewind	TapeRewind	TapeRewind	TapeRewind
	104 Ride Bell	Phono Noise	LD Snare C	MamboCowBell	MamboCowBell	Phono Noise	Phono Noise	Phono Noise	Phono Noise	Phono Noise
	105 Room Tom 2	Dance Snare1	Jazz Snare 1	MexFVox2	MexFVox2	Dance Snare1	Dance Snare1	Dance Snare1	Dance Snare1	Dance Snare1
	106 R8 Ohh2	Power Snare2	Jazz Snare 2	AfFoots	AfFoots	Power Snare2	Power Snare2	Power Snare2	Power Snare2	Power Snare2
	107 82RmBsDrum1P	Elec Snare 1	Room Snare 1	MexFVox1	MexFVox1	Elec Snare 1	Elec Snare 1	Elec Snare 1	Elec Snare 1	Elec Snare 1
	108 82RmBsDrum2P	Dance Snare2	Room Snare 2	MexMVox1	MexMVox1	Dance Snare2	Dance Snare2	Dance Snare2	Dance Snare2	Dance Snare2
	109 82JzCrsCym1P	Elec Snare 2	Dance Snare1	YodelFVox1	YodelFVox1	Elec Snare 2	Elec Snare 2	Elec Snare 2	Elec Snare 2	Elec Snare 2
	110 82RmSnare2 P	Elec. Snare	Power Snare1	MexMVox2	MexMVox2	Elec. Snare	Elec. Snare	Elec. Snare	Elec. Snare	Elec. Snare
	111 Ride_c P	Elec Snare 3	Rev.Snare	YodelMVox1	YodelMVox1	Elec Snare 3	Elec Snare 3	Elec Snare 3	Elec Snare 3	Elec Snare 3
	112 82RmSnare1P	66sn260	Power Snare2	MexMVox3	MexMVox3	66sn260	66sn260	66sn260	66sn260	66sn260
	113 Room Tom 5 P	TR-707 SD	Elec Snare 1	FimncoFVox1	FimncoFVox1	TR-707 SD	TR-707 SD	TR-707 SD	TR-707 SD	TR-707 SD
	114 82Rm ClsHatP	808 Snare 1	Dance Snare2	YodelFVox2	YodelFVox2	808 Snare 1	808 Snare 1	808 Snare 1	808 Snare 1	808 Snare 1
	115 Room Tom 2 P	808 Snare 2	Elec Snare 2	FimncoFVox2	FimncoFVox2	808 Snare 2	808 Snare 2	808 Snare 2	808 Snare 2	808 Snare 2
	116 Ridbl_c P	TR-808 SD2	Elec. Snare	NewWhistle1	NewWhistle1	TR-808 SD2	TR-808 SD2	TR-808 SD2	TR-808 SD2	TR-808 SD2
	117 Room Tom 2 P	909 Snare 1	Elec Snare 3	FimncoFVox3	FimncoFVox3	909 Snare 1	909 Snare 1	909 Snare 1	909 Snare 1	909 Snare 1
	118 82RmOpenHatP	909 Snare 2	TR-707 SD	NewWhistle2	NewWhistle2	909 Snare 2	909 Snare 2	909 Snare 2	909 Snare 2	909 Snare 2
	119 ---	909 SD 1	808 Snare 1	FimncoMVox1	FimncoMVox1	909 SD 1	909 SD 1	909 SD 1	909 SD 1	909 SD 1
	120 ---	TR-909 SD2	808 Snare 2	FimncoMVox2	FimncoMVox2	TR-909 SD2	TR-909 SD2	TR-909 SD2	TR-909 SD2	TR-909 SD2
	121 ---	Rap Snare	909 Snare 1	BrazilVox1	BrazilVox1	Rap Snare	Rap Snare	Rap Snare	Rap Snare	Rap Snare
	122 ---	JungleSD1	909 Snare 2	FimncoMVox3	FimncoMVox3	JungleSD1	JungleSD1	JungleSD1	JungleSD1	JungleSD1
	123 ---	House SD	Rap Snare	BrazilVox2	BrazilVox2	House SD	House SD	House SD	House SD	House SD
	124 ---	House Snare	JungleSD1	BrazilVox3	BrazilVox3	House Snare	House Snare	House Snare	House Snare	House Snare
	125 ---	House SD	House SD	AfAahhh	AfAahhh	House SD	House SD	House SD	House SD	House SD
	126 ---	Voice Tah	House Snare	p33137v	p33137v	Voice Tah	Voice Tah	Voice Tah	Voice Tah	Voice Tah
G9	127 ---	Noise Slap	House SD	p33168v	p33168v	Noise Slap	Noise Slap	Noise Slap	Noise Slap	Noise Slap

	PC: 30 [CC32: 4]	PC: 31 [CC32: 4]	PC: 33 [CC32: 4]	PC: 34 [CC32: 4]	PC: 41 [CC32: 4]	PC: 42 [CC32: 4]	PC: 43 [CC32: 4]	PC: 44 [CC32: 4]	PC: 49 [CC32: 4]	PC: 50 [CC32: 4]
	TR-707	TR-909	JAZZ	JAZZ L/R	BRUSH	BRUSH 2	BRUSH 2 L/R	V-JazzBrush	ORCHESTRA	ETHNIC
C-1	0	1	1	1	1	1	1	1	1	1
	2	3	2	2	2	2	2	2	2	2
C-1	4	4	3	3	3	3	3	3	3	3
	5	5	4	4	4	4	4	4	4	4
C-1	7	6	5	5	5	5	5	5	5	5
	8	7	6	6	6	6	6	6	6	6
C-1	9	8	7	7	7	7	7	7	7	7
	10	9	8	8	8	8	8	8	8	8
C-1	11	10	9	9	9	9	9	9	9	9
	12	11	10	10	10	10	10	10	10	10
C-1	13	12	11	11	11	11	11	11	11	11
	14	13	12	12	12	12	12	12	12	12
C-1	15	14	13	13	13	13	13	13	13	13
	16	15	14	14	14	14	14	14	14	14
C-1	17	16	15	15	15	15	15	15	15	15
	18	17	16	16	16	16	16	16	16	16
C-1	19	18	17	17	17	17	17	17	17	17
	20	19	18	18	18	18	18	18	18	18
C-1	21	20	19	19	19	19	19	19	19	19
	22	21	20	20	20	20	20	20	20	20
C-1	23	22	21	21	21	21	21	21	21	21
	24	23	22	22	22	22	22	22	22	22
C-1	25	24	23	23	23	23	23	23	23	23
	26	25	24	24	24	24	24	24	24	24
C-1	27	26	25	25	25	25	25	25	25	25
	28	27	26	26	26	26	26	26	26	26
C-1	29	28	27	27	27	27	27	27	27	27
	30	29	28	28	28	28	28	28	28	28
C-1	31	30	29	29	29	29	29	29	29	29
	32	31	30	30	30	30	30	30	30	30
C-1	33	32	31	31	31	31	31	31	31	31
	34	33	32	32	32	32	32	32	32	32
C-2	35	34	33	33	33	33	33	33	33	33
	36	35	34	34	34	34	34	34	34	34
C-2	37	36	35	35	35	35	35	35	35	35
	38	37	36	36	36	36	36	36	36	36
C-2	39	38	37	37	37	37	37	37	37	37
	40	39	38	38	38	38	38	38	38	38
C-2	41	40	39	39	39	39	39	39	39	39
	42	41	40	40	40	40	40	40	40	40
C-2	43	42	41	41	41	41	41	41	41	41
	44	43	42	42	42	42	42	42	42	42
C-2	45	44	43	43	43	43	43	43	43	43
	46	45	44	44	44	44	44	44	44	44
C-2	47	46	45	45	45	45	45	45	45	45
	48	47	46	46	46	46	46	46	46	46
C-3	49	48	47	47	47	47	47	47	47	47
	50	49	48	48	48	48	48	48	48	48
C-3	51	50	49	49	49	49	49	49	49	49
	52	51	50	50	50	50	50	50	50	50
C-3	53	52	51	51	51	51	51	51	51	51
	54	53	52	52	52	52	52	52	52	52
C-3	55	54	53	53	53	53	53	53	53	53
	56	55	54	54	54	54	54	54	54	54
C-3	57	56	55	55	55	55	55	55	55	55
	58	57	56	56	56	56	56	56	56	56
C-3	59	58	57	57	57	57	57	57	57	57
	60	59	58	58	58	58	58	58	58	58
C-4	61	60	59	59	59	59	59	59	59	59
	62	61	60	60	60	60	60	60	60	60
C-4	63	62	61	61	61	61	61	61	61	61
	64	63	62	62	62	62	62	62	62	62
C-4	65	64	63	63	63	63	63	63	63	63
	66	65	64	64	64	64	64	64	64	64
C-4	67	66	65	65	65	65	65	65	65	65
	68	67	66	66	66	66	66	66	66	66
C-4	69	68	67	67	67	67	67	67	67	67
	70	69	68	68	68	68	68	68	68	68
C-5	71	70	69	69	69	69	69	69	69	69
	72	71	70	70	70	70	70	70	70	70
C-5	73	72	71	71	71	71	71	71	71	71
	74	73	72	72	72	72	72	72	72	72
C-5	75	74	73	73	73	73	73	73	73	73
	76	75	74	74	74	74	74	74	74	74
C-5	77	76	75	75	75	75	75	75	75	75
	78	77	76	76	76	76	76	76	76	76
C-5	79	78	77	77	77	77	77	77	77	77
	80	79	78	78	78	78	78	78	78	78
C-5	81	80	79	79	79	79	79	79	79	79
	82	81	80	80	80	80	80	80	80	80
C-6	83	82	81	81	81	81	81	81	81	81
	84	83	82	82	82	82	82	82	82	82
C-6	85	84	83	83	83	83	83	83	83	83
	86	85	84	84	84	84	84	84	84	84
C-6	87	86	85	85	85	85	85	85	85	85
	88	87	86	86	86	86	86	86	86	86
C-6	89	88	87	87	87	87	87	87	87	87
	90	89	88	88	88	88	88	88	88	88
C-6	91	90	89	89	89	89	89	89	89	89
	92	91	90	90	90	90	90	90	90	90
C-6	93	92	91	91	91	91	91	91	91	91
	94	93	92	92	92	92	92	92	92	92
C-6	95	94	93	93	93	93	93	93	93	93
	96	95	94	94	94	94	94	94	94	94

	PC: 51 [CC32: 4] KICK & SNARE	PC: 52 [CC32: 4] KICK & SNARE 2	PC: 53 [CC32: 4] ASIA	PC: 54 [CC32: 4] CYMBAL&CLAPS	PC: 55 [CC32: 4] GAMELAN 1	PC: 56 [CC32: 4] GAMELAN 2	PC: 57 [CC32: 4] SFX	PC: 58 [CC32: 4] RHYTHM FX	PC: 59 [CC32: 4] RHYTHM FX 2	PC: 60 [CC32: 4] RHYTHM FX 3	
C-1	0	---	---	---	---	---	---	---	---	---	
	1	---	---	---	---	---	---	---	---	---	
	2	---	---	---	---	---	---	---	---	---	
	3	---	---	---	---	---	---	---	---	---	
	4	---	---	---	---	---	---	---	---	---	
	5	---	---	---	---	---	---	---	---	---	
	6	---	---	---	---	---	---	---	---	---	
	7	---	---	---	---	---	---	---	---	---	
	8	---	---	---	---	---	---	---	---	---	
	9	---	---	---	---	---	---	---	---	---	
	10	---	---	---	---	---	---	---	---	---	
	11	---	---	---	---	---	---	---	---	---	
C0	12	---	---	---	---	---	---	---	---	---	
	13	---	---	---	---	---	---	---	---	---	
	14	---	---	---	---	---	---	---	---	---	
	15	---	---	---	---	---	---	---	---	---	
	16	---	---	---	---	---	---	---	---	---	
	17	---	---	---	---	---	---	---	---	R Bs Mute NZ	
	18	---	---	---	---	---	---	---	---	R Bs StQuail	
	19	---	---	---	---	---	---	---	---	R Bs Atk NZ	
	20	---	---	---	---	---	---	---	---	R ClnGtCutUp	
	21	---	---	---	---	---	---	---	---	R ClnGtCutDn	
	22	---	---	---	---	---	MC-500 Beep	---	---	R ClnGtrMtlUp	
	23	---	---	---	---	---	MC-500 Beep	---	---	R ClnGtrMDn	
C1	24	---	---	---	---	---	ytwn3.xtp	---	---	R DstGtCutUp	
	25	CR78 BD 1	CR78 BD 1	Gamelan Gong	---	---	Guitar Slap	---	---	R DstGtCutDn	
	26	CR78 BD 2	CR78 BD 2	Gamelan Gong	---	---	Chord Stroke	---	---	R DstGtrSgdN	
	27	TR-606 BD1	TR-606 BD1	Gamelan Gong	---	---	Chord Stroke	---	---	R DstGtrMute	
	28	TR-707 BD	TR-707 BD	Gamelan Gong	---	---	Biwa 3	---	---	R SIGtrSdNz1	
	29	808 BD	808 BD	Gamelan Gong	---	---	Phono Noise	---	---	R SIGtrSdNz2	
	30	909 Comp BD	909 Comp BD	Gamelan Gong	---	---	TapeRewind	---	---	R SIGtrSdNz3	
	31	TR-909 BD2	TR-909 BD2	Gamelan Gong	---	---	Scrth Push2	---	---	R SIGtrSdNz4	
	32	HipHop BD2	HipHop BD2	Gamelan Gong	rev.lvohh	---	Scrth Pull2	---	---	R SIGtrStk5D	
	33	HipHop BD1	HipHop BD1	Gamelan Gong	Rev. LVCHH 1	---	Gt.CutNoise2	---	---	R SIGtrStkU1	
	34	Jungle BD2	Jungle BD2	Gamelan Gong	Rev. LVCHH 2	---	Gt.CutNoise2	---	---	R SIGtrStkD1	
	35	JungleBD Set	JungleBD Set	Gender	Jungle HH	---	Dist.CutNoise	---	---	R SIGtrStkU2	
C2	36	Techno BD2	Techno BD2	Gender	Close HiHat	KendangWadon	KendangWadon	Dist.CutNoise	Rev.Kick 1	rev.707bd	R SIGtrStkD2
	37	Techno BD1	Techno BD1	Gender	Jazz Clsd.HH	KendangWadon	KendangWadon	Bass Slide	Rev.ConBD	rev.909bd2	R Tbone NZ
	38	Mix Kick	Mix Kick	Gender	Room Chh	Bebarongan	Bebarongan	Pick Scrape	Rev.PowerK1	rev.hphp_bd1	R Tpet NZ
	39	Standard KK1	Standard KK1	Gender	Close HiHat1	Pelegongan	Pelegongan	High-Q	Rev.Elec.K1	rev.jgl_bd2	R St BsDrum1
	40	Std.1 Kick1	855t BsDrum1	Bonang	Close HiHat2	Kelontuk	Kelontuk	Slap	Rev.Snare 1	rev.tech_bd2	R St BsDrum2
	41	Std.1 Kick2	855t BsDrum2	Bonang	TR-707 HH-c	Kelontuk Mt	Kelontuk Mt	ScratchPush	Rev.Snare 2	rev.606sn2	R Rm BsDrum1
	42	Std.2 Kick1	82Bt BsDrum1	Bonang	606 CH	Kelontuk Sid	Kelontuk Sid	ScratchPull	Rev.Std1SD1	rev.cr78sd1	R Rm BsDrum2
	43	Std2 Kick2	82Bt BsDrum2	Bonang	808_chh	Gong Wadon	Gong Wadon	Sticks	Rev.TightSD	rev.cr78sd2	R Jz BsDrum1
	44	Kick 1	82Jz BsDrum1	Bonang	TR-808 CHH	Gong Lanang	Gong Lanang	SquareClick	Rev.DanceSD	rev.jgl_sd2	R Jz BsDrum2
	45	Kick 2	82Jz BsDrum2	RAMA Cymbal	CR-78 chh	Ceng Ceng	Ceng Ceng	Mtrnm.Click	Rev.808SD	rev.tech_sd2	R Br BsDrum1
	46	Soft Kick	TR-909 BD2	RAMA Cymbal	GS Pedal HH	Kopyak Op	Kopyak Op	Mtrnm. Bell	Rev.Tom 1	rev.707sd	R Br BsDrum2
	47	Jazz Kick 1	909 Comp BD	Sagat R	Pedal HiHat	Kopyak Mt	Kopyak Mt	Gt.FretNoise	Rev.Tom 2	rev.606sn1	rev.hphp_bd1
C3	48	Jazz Kick 2	ConcertBD Mt	Sagat L-c	Pedal HiHat2	Kajar	Kajar	Gt.CutNoise	Rev.Sticks	rev.909sd1	rev.707bd
	49	Concert BD	Concert BD	Jaw Harp Wow	Half OpenHH1	Kempur	Kempur	Gt.CutNoise	Rev.Slap	rev.hphp_sd2	rev.jgl_bd2
	50	Room Kick 1	85Rm BsDrum1	Wadaiko	Half OpenHH2	Jegogan	Jegogan	String Slap	ReverseCymbal	rev.jgl_sd1	rev.707bd
	51	Room Kick 2	85Rm BsDrum2	Wadaiko Rim	Open Hi Hat	Jegogan33up	Jegogan40up	Fl.KeyClick	Rev.Cymbal2	Rev.House SD	rev.Kick 1
	52	Power Kick1	HipHop BD1	Taiko	Jazz Open HH	Jegogan33dw	Jegogan20dw	Laughing	Rev.Open HH	Rev. LVCHH 1	rev.909bd2
	53	Power Kick2	Std2 Kick2	Shimedaiko	R8 Ohh2	Jegogan33dw	Jegogan20up	Screaming	Rev.RideCym.	rev.606htcl	rev.hphp_bd1
	54	Elec Kick 2	Jngl BD Roll	Atarigane	Open HiHat2	Jegogan	Jegogan40up	Punch	Rev.CR-78OHH	rev.707chh	rev.909bd2
	55	Elec Kick 1	TR-909 BD2	Hyoushigi	909 OH	Jublag	Jublag	Heart Beat	Rev.Cld.HH	rev.808chh	rev.tech_bd2
	56	Elec. Kick	Techno BD2	Ohkawa	TR-707 OHH	Jublag33up	Jublag40up	Footsteps	Rev.BendGong	rev.jgl_hh	R St Snare2
	57	TR-808 Kick	Techno BD1	H Kotsuzumi	606 HiHat Op	Jublag33dw	Jublag20dw	Footsteps	Rev.Belltree	rev.344tmb2	R St Snare1
	58	TR-909 Kick	HipHop BD2	Jang-Gu_k	808_ohh	Jublag33dw	Jublag20up	Applause	Rev.Guiro	rev.344tmb3	R Rm Snare2
	59	Dance Kick 2	TR-909 BD2	Yyoo Dude	TR-808 OHH	Jublag	Jublag40up	Creaking	Rev.Bendir	rev.808ohh	R Rm Snare1
C4	60	Std.1 Snare1	855t Snare2	Buk_f	CR-78 ohh	Penyach33dw	Penyach20up	Door	Rev.GunShot	rev.707ohh	R Jz Snare1
	61	Std.1 Snare2	855t Snare1	Buk_r	Crash Cym.1	Penyach	Penyach40up	Scratch	Rev.Scratch	rev.lvohh	R Jz Snare2
	62	Std.2 Snare1	Std.2 Snare1	Gengari_p	Crash Cym.2	Penyach	Penyach	Wind Chimes	Rev.Lasergun	rev.606cym	R Br Snare1
	63	Std.2 Snare2	Std.2 Snare2	Gengari_m	GS Crash	Penyach33up	Penyach40up	Car-Engine	Click	Rev.HynLuo	R Br Snare2
	64	Tight Snare	Tight Snare	Gengari_f	Brush Crash	Penyach33dw	Penyach20dw	Car-Stop	Tekno Thip	rev.707fx	R Br Snare1
	65	Concert Snr	Concert Snr	Gengari_m	Hard Crash	Penyach33dw	Penyach20up	Car-Pass	Pop Drop	Voice One	Rev.Snare1
	66	Jazz Snare 1	82Jz Snare1	Gengari S	909 Crash	Penyach	Penyach40up	Car-Crash	Wood Slap	rev.one	R St Snare2
	67	Jazz Snare 2	82Jz Snare2	Jang-Gu_c	808 Crash	Pemad33up	Pemad40up	Siren	Dist.Kick	Voice Two	rev.606sn2
	68	Room Snare 1	82Rm Snare2	Jang-Gu_k	Crash Mute 1	Pemad33dw	Pemad20dw	Train	Sym.Drops	rev.two	R Rm Snare2
	69	Room Snare 2	82Rm Snare1	Jang-Gu_r	Crash Mute 2	Pemad33dw	Pemad20up	Jetplane	Rev.Hi-Q	Voice Three	Rev.House SD
	70	Dance Snare1	Rap Snare	Jing_p	ReverseCymbal	Pemad	Pemad20up	Helicopter	ShrtWhistle	rev.three	rev.hphp_sd2
	71	Power Snare1	House SD	Jing_f	Rev.Cymbal2	Pemad	Pemad	Ice Block	Voice Tah	rev.606sn1	rev.606sn1
	72	Rev.Snare	Rev.Snare	Jing_m	Reverse Cym.	Pemad33up	Pemad40up	Gun Shot	Digi Tambrn.	rev.tah	rev.hphp_sd2
C5	73	Power Snare2	Power Snare2	Asian Gong 1	rev.tra_crm	Pemad33dw	Pemad20dw	Machine Gun	Alias	Voice 1	R Jz Snare2
	74	Elec Snare 1	Elec Snare 1	Big Gong	Crash Cym.1	Pemad33dw	Pemad20up	Lasergun	Mod.Bell	Voice Au	Rev.Snare 1
	75	Dance Snare2	Dance Snare1	Small Gong	Splash Cym.	Pemad	Pemad20up	Explosion	Tambourine	Voice Whye	Rev.808SD
	76	Elec Snare 2	Rap Snare	Pai Ban	Ride Bell	Pemad33up	Pemad	Dog	Metalic Perc	Frog Vpoco	Rev.House SD
	77	House Snare	Dance Snare1	Ban_Gu	Brush RideBL	Reyong33dw	Reyong20dw	HorseGallop	Velo FX Noiz	rev.yyohh	Rev.Hi-Q
	78	Elec. Snare	66sn260	tangu60	Ride Cymbal	Reyong33dw	Reyong20up	Bird	St.NoiseClap	Douby	Rev.DanceSD
	79	Elec Snare 3	909 SD 1	tanmt60	Ride Cymbal	Reyong	Reyong20up	Rain	Swish	rev.douby	Rev.Tom 1
	80	808 Snare 1	Elec Snare 2	Bend Gong L	Brush Ride	Reyong	Reyong	Thunder	Noise Slap	Baert	Rev.Tom 1
	81	808 Snare 2	Power Snare1	Bend Gong	Ride Cym IN	Reyong33up	Reyong40up	Wind	Voice 1	Baert	Rev.Tom 1
	82	909 Snare 1	House SD	Huyin Luo L	Ride Cym IN	Reyong33dw	Reyong20dw	Seashore	Voice Au	Bounce	R 606 Tom
	83	909 Snare 2	Jngl SD Roll	hynlo60	Ride Cym IN	Reyong33dw	Reyong20up	Stream	Hoo	rev.bounce	R Jngl Crash
C6	84	Brush Swirl	Brush Swirl	Huyin Luo Mt	RideCym Edge	Reyong	Reyong40up	Bubble	Tape Stop 1	Dist Knock	Rev. LVCHH 1
	85	Brush Tap	Brush Tap	Hu yin Luo H	RideCym Edge	Reyong	Reyong	Kitty	Tape Stop 2	ytwn3.xtp	Rev. LVCHH 1
	86	Brush Slap1	82Bt Snare1	Hynlo mute	RideCym Edge	Reyong33up	Reyong40up	Bird 2	xxx	---	Rev.CR-78OHH
	87	Brush Slap2	82Bt Snare2	naob060	606 Ride Cym	Reyong33dw	Reyong20dw	Growl	Space Birds	Noise Attack	Rev. LVCHH 1
	88	Brush Slap	Brush Slap	xaob060	TR808 Ride	Reyong33dw	Reyong20up	Applause 2	FlyingMonstr	SpaceWorms	R Stabl 1
	89	Brush Swirl	Brush Swirl	Dholak 1	ChinaCymbal	---	---	Telephone 1	---	Emergency!	R Bounce
	90	Brush Swirl	Brush Swirl	Dholak 2	Chaina Cym2	---	---	Telephone 2	---	Calculating	R St Snare2
	91	Long Swirl	Long Swirl	---	Hand Clap	---	---	Small Club	---	SawLFOsaw	R Br Snare1
	92	Standard SN1	Standard SN1	---	Hand clap2	---	---	Small Club 2	---	---	rev.hphp_sd2
	93	LD Snare M	LD Snare M	---	808clap	---	---	ApplauseWave	---	---	Shaker
	94	LD Snare C	LD Snare C	---	909 HandClap	---	---	Eruption	---	---	Rev.Slap
	95	Rap Snare	Rap Snare	---	HC2 Claps 2	---	---	Big Shot	---	---	R Clap Hit
C7	96	HipHop SD2	HipHop SD2	---	707 Claps	---	---	Perc. Bang	---	---	R Boeeen

	PC: 30 [CC32: 4] TR-707	PC: 31 [CC32: 4] TR-909	PC: 33 [CC32: 4] JAZZ	PC: 34 [CC32: 4] JAZZ L/R	PC: 41 [CC32: 4] BRUSH	PC: 42 [CC32: 4] BRUSH 2	PC: 43 [CC32: 4] BRUSH 2 L/R	PC: 44 [CC32: 4] V-JazzBrush	PC: 49 [CC32: 4] ORCHESTRA	PC: 50 [CC32: 4] ETHNIC
(C7) 96	---	---	---	82Jz BsDrum2	---	---	82Br BsDrum2	CajonHi	---	Cabasa Down
97	Techno Hit	Techno Hit	---	Crash Cym.1	---	---	Brush Crash	CajonHiFlm	Applause 2	Claves
98	Philly Hit	Philly Hit	82Br Snare1	82Jz Snare1	---	82Jz Snare1	82Br Snare1	CajonLo	Small Club	Woodblock
99	Shock Wave	Shock Wave	82Br Snare2	Ride Cym IN	---	82Jz Snare2	Ride Cym IN	CajonLoFlm	Timpani	Woodblock
100	Lo Fi Rave	Lo Fi Rave	Brush Swirl	82Jz Snare2	Brush Swirl	Brush Swirl	82Br Snare2	FimncoHClp1	Timpani	---
101	Bam Hit	Bam Hit	Brush Tap	Real Tom 6	Brush Tap	Brush Tap	Lite Tom 4	FimncoHClp1	Timpani	---
102	Bim Hit	Bim Hit	Brush Slap1	Jazz Clsd.HH	Brush Slap1	Brush Slap1	Brs Chh	BongoCowBell	Timpani	---
103	TapeRewind	TapeRewind	Brush Slap2	Real Tom 4	Brush Slap2	Brush Slap2	Lite Tom 4	AfHey	Timpani	---
104	Phono Noise	Phono Noise	Brush Slap	Ride Bell	Brush Slap	Brush Slap	Brush RideBL	MamboCowBell	Timpani	---
105	Dance Snare1	Dance Snare1	Brush Swirl	Real Tom 1	Brush Swirl	Brush Swirl	Lite Tom 4	MexFVox2	Timpani	---
106	Power Snare2	Power Snare2	Brush Swirl	Jazz Open HH	Brush Swirl	Brush Swirl	Brush Ohh	AfFoots	Timpani	---
107	Elec Snare 1	Elec Snare 1	Long Swirl	82JzBsDrum1P	Long Swirl	Long Swirl	82BrBsDrum1P	MexFVox1	Timpani	---
108	Dance Snare2	Dance Snare2	Jazz Snare 1	82JzBsDrum2P	Jazz Snare 1	Jazz Snare 1	82BrBsDrum2P	MexMVox1	Timpani	---
109	Elec Snare 2	Elec Snare 2	Jazz Snare 2	82JzCrscym1P	Jazz Snare 2	Jazz Snare 2	82BrCrscym1P	YodelFVox1	Timpani	---
110	Elec. Snare	Elec. Snare	Std.1 Snare1	82Jz Snare1P	Std.1 Snare1	Std.1 Snare1	82Br Snare1P	MexMVox2	Timpani	---
111	Elec Snare 3	Elec Snare 3	Std.1 Snare2	Ride_i P	Std.1 Snare2	Std.1 Snare2	82Br RdCym P	YodelMVox1	Timpani	---
112	66sn260	66sn260	Std.2 Snare1	82Jz Snare2P	Std.2 Snare1	Std.2 Snare1	82Br Snare2P	MexMVox3	Timpani	---
113	TR-707 SD	TR-707 SD	Std.2 Snare2	Real6_t P	Std.2 Snare2	Std.2 Snare2	Lite4_t P	FimncoFVox1	Timpani	---
114	808 Snare 1	808 Snare 1	Tight Snare	82Jz ClsHatP	Tight Snare	Tight Snare	82BrClsHat P	YodelFVox2	---	---
115	808 Snare 2	808 Snare 2	Standard SN1	Real4_t P	Standard SN1	Standard SN1	Lite4_t P	FimncoFVox2	---	---
116	TR-808 SD2	TR-808 SD2	LD Snare M	Ridbl_c P	LD Snare M	LD Snare M	82Br RdBellP	NewWhistle1	---	---
117	909 Snare 1	909 Snare 1	LD Snare C	Real1_t P	LD Snare C	LD Snare C	Lite4_t P	FimncoFVox3	---	---
118	909 Snare 2	909 Snare 2	Room Snare 1	82JzOpenHatP	Room Snare 1	Room Snare 1	82BrOpenHatP	NewWhistle2	---	---
119	909 SD 1	909 SD 1	Room Snare 2	---	Room Snare 2	Room Snare 2	---	FimncoMVox1	---	---
120	TR-909 SD2	TR-909 SD2	Dance Snare1	---	Dance Snare1	Dance Snare1	---	FimncoMVox2	---	---
121	Rap Snare	Rap Snare	Power Snare1	---	Power Snare1	Power Snare1	---	BrazilVox1	---	---
122	JungleSD1	JungleSD1	Rev.Snare	---	Rev.Snare	Rev.Snare	---	FimncoMVox3	---	---
123	House SD	House SD	Power Snare2	---	Power Snare2	Power Snare2	---	BrazilVox2	---	---
124	House Snare	House Snare	Elec Snare 1	---	Elec Snare 1	Elec Snare 1	---	BrazilVox3	---	---
125	House SD	House SD	Dance Snare2	---	Dance Snare2	Dance Snare2	---	AFAahhh	---	---
126	Voice Tah	Voice Tah	Elec Snare 2	---	Elec Snare 2	Elec Snare 2	---	p33137v	---	---
127	Noise Slap	Noise Slap	Elec Snare 3	---	Elec Snare 3	Elec Snare 3	---	p33168v	---	---

	PC: 51 [CC32: 4] KICK & SNARE	PC: 52 [CC32: 4] KICK & SNARE 2	PC: 53 [CC32: 4] ASIA	PC: 54 [CC32: 4] CYMBAL&CLAPS	PC: 55 [CC32: 4] GAMELAN 1	PC: 56 [CC32: 4] GAMELAN 2	PC: 57 [CC32: 4] SFX	PC: 58 [CC32: 4] RHYTHM FX	PC: 59 [CC32: 4] RHYTHM FX 2	PC: 60 [CC32: 4] RHYTHM FX 3
(C7) 96	HipHop SD2	HipHop SD2	---	707 Claps	---	---	Perc. Bang	---	---	R Boeeeen
97	JungleSD1	JungleSD1	---	---	---	---	---	---	---	R Bounce
98	Jungle SD2	Jungle SD2	---	---	---	---	---	---	---	R CD Tray
99	Slap	Slap	---	---	---	---	---	---	---	R Drill
100	MG_Blip	MG_Blip	---	---	---	---	---	---	---	R Glass Stir
101	House SD	House SD	---	---	---	---	---	---	---	R Ice Ring
102	CR78 SD 1	CR78 SD 1	---	---	---	---	---	---	---	R Kinzapcm
103	CR78 SD 2	CR78 SD 2	---	---	---	---	---	---	---	R Scratch 4
104	66sn160	66sn160	---	---	---	---	---	---	---	R Scratch 5
105	66sn260	66sn260	---	---	---	---	---	---	---	R Scratch 6
106	TR-707 SD	TR-707 SD	---	---	---	---	---	---	---	R Scratch 7
107	TR-707 SD 2	TR-707 SD 2	---	---	---	---	---	---	---	R Seal
108	TR-707 SD 3	TR-707 SD 3	---	---	---	---	---	---	---	R Stabl 1
109	TR-808 SD2	TR-808 SD2	---	---	---	---	---	---	---	R Stabl 2
110	909 SD 1	909 SD 1	---	---	---	---	---	---	---	R Swrd Boom!
111	TR-909 SD2	TR-909 SD2	---	---	---	---	---	---	---	R Swrd Cross
112	---	---	---	---	---	---	---	---	---	R Thrill Hit
113	---	---	---	---	---	---	---	---	---	R Audio Sw
114	---	---	---	---	---	---	---	---	---	R Typing 1
115	---	---	---	---	---	---	---	---	---	R Typing 2
116	---	---	---	---	---	---	---	---	---	R Typing 3
117	---	---	---	---	---	---	---	---	---	R Typing 4
118	---	---	---	---	---	---	---	---	---	R Typing 5
119	---	---	---	---	---	---	---	---	---	R Typing 6
120	---	---	---	---	---	---	---	---	---	---
121	---	---	---	---	---	---	---	---	---	---
122	---	---	---	---	---	---	---	---	---	---
123	---	---	---	---	---	---	---	---	---	---
124	---	---	---	---	---	---	---	---	---	---
125	---	---	---	---	---	---	---	---	---	---
126	---	---	---	---	---	---	---	---	---	---
127	---	---	---	---	---	---	---	---	---	---

E-80 Music Workstation
Drum Sets | Parameter Reference

	PC: 61 [CC32: 4] SFX 2	PC: 63 [CC32: 4] CYM&CLAPS 2	PC: 64 [CC32: 4] V-VoxDrum	PC: 117 [CC32: 3] Oriental 3	PC: 32 [CC32: 4] MultiDrum	PC: 65 [CC32: 4] Or. R&B	PC: 66 [CC32: 4] Or. Techno	PC: 117 [CC32: 4] Oriental 4
C-1	0	---	---	HipHop BD1	---	IPopCym1_52	House Kick	House Kick
	1	---	---	Jazz Kick 1	---	IPopRd1_51	HipHop Kick	HipHop Kick
	2	---	---	p05002v	---	R&B Snare	TR-808 Kick	SimpleKick
	3	---	---	85Rm BsDrum1	---	R&B Clap	909 Kick2	909 Kick2
	4	---	---	85Rm BsDrum2	---	Techno Snare	HipHopSnare2	HipHopSnare2
	5	---	---	HipHop BD2	---	House Snare	Techno Snare	Techno Snare
	6	---	---	Techno BD1	---	Jungle Snare	TR-808 SD2	R&B Snare
	7	---	---	JungleBD Set	---	Ps Snare	R&B Clap	R&B Clap
	8	---	---	HipHop BD1	---	909 Snare	707 Claps	707 Claps
	9	---	---	909 Comp BD	---	909Snare2	344Tambourne	344Tambourne
	10	---	---	85St BsDrum1	---	909 Kick 3	R&B OHHsh	TR-909 OHHsh
	11	---	---	NewJzKik	---	House Kick	R&B OHH	TR-909 OHH
C0	12	---	---	NewRockKik	Wadaiko	TR-808 Kick	Wadaiko	Wadaiko
	13	---	---	Cymbal Roll	Ohkawa	909 Kick	Ohkawa	Ohkawa
	14	---	---	NewRkCStk_2	Shimedaiko	909 Kick2	Shimedaiko	Shimedaiko
	15	---	---	82Rm Snare1	H kotsuzumi	TR-909 OHHsh	H kotsuzumi	H kotsuzumi
	16	---	---	82Rm Snare2	L Kotsuzumi	TR-909 OHH	L Kotsuzumi	L Kotsuzumi
	17	---	---	85St Snare1	Tabla_Ge	Ah	Tabla_Ge	Tabla_Ge
	18	---	---	85St Snare2	Tabla_Na	Ha	Tabla_Na	Tabla_Na
	19	---	---	NewJzSn2	Tabla_Te	ShutHa	Tabla_Te	Tabla_Te
	20	---	---	NewJzSn1	Tabla_Tun	ShutHi	Tabla_Tun	Tabla_Tun
	21	---	---	NewR&BSn	Udo_Long	One	Udo_Long	Udo_Long
	22	---	---	NewRockSn2_2	Djembe_rim	Two	Djembe_rim	Djembe_rim
	23	---	---	NewRockSn1_2	909 HandClap	Three	909 HandClap	909 HandClap
C1	24	---	---	IPopSn38_2	Tambourine	Four	Tambourine	Tambourine
	25	---	---	IPopGst39_2	ChaChaCBell	Snare Roll	IPopHat1_42	IPopHat1_42
	26	---	---	IPopSn38_2	Agogo	FingerSnaps2	IPopHat2_44	IPopHat2_44
	27	---	---	FingerSnaps2	Agogo	High-Q	IPopHat3_46	IPopHat3_46
	28	---	---	909 HandClap	NewShaker2	Slap	NewShaker2	NewShaker2
	29	---	---	808clap	NewShaker1	Scrth Push2	NewShaker1	NewShaker1
	30	---	---	Hand clap2	IPopSn40_1	Scrth Pull2	IPopSn40st	IPopSn40st
	31	A.Bs.Mute Nz	---	909 HandClap	Elec Snare 2	Sticks	HipHop Snare	HipHop Snare
	32	A.Bs.TouchNz	Rev. LVCHH 2	IPopPhat32	909 Snare 2	SquareClick	Jungle Snare	Jungle Snare
	33	A.Bs.AtackNz	Rev. LVCHH 2	GospelHC1p1	909 Snare 1	Mtrnm.Click	House Snare	House Snare
	34	DstGT.MuteNz	Rev. LVCHH 2	p35010v	Elec Kick 2	Mtrnm. Bell	808 BD	Techno BD2
C2	35	StIGt.SldNz1	Rev. LVCHH 2	p05006v	TR-909 BD2	HipHop Kick	909 Kick 3	TR-909 BD2
	36	StIGt.SldNz2	Close HHat2	p33079v	Std.2 Kick1	SimpleKick	909 Kick	TR-707 BD
	37	StIGt.SldNz3	Jazz Cld.HH	p33146v	IPopCst37_1	Side Stick	Side Stick	TR-909 Rim
	38	StIGt.SldNz4	Close HHat2	p32011v	IPopSn38_1	HipHop Snare	R&B Snare	909 SD 1
	39	Gt.StrokeNz1	Room Chh	p43001v	HandClap1st	707 Claps	HandClap1st	HandClap1st
	40	Gt.StrokeNz2	TR-707 HH-c	p33137v	Hand Clap 21	HipHopSnare2	Hand Clap 21	TR-707 SD
	41	Gt.StrokeNz3	606 CH	p33168v	TR-707 SD	85St Tom16	909Snare2	TR-909 SD2
	42	Gt.StrokeNz4	TR-808 CHH	p33012v	Jazz Cld.HH	HipHopCHH	R&B CHH	TR-707 HH-c
	43	GL.StrokeNz5	CR-78 chh	p34001v	Real Tom 6	85St Tom16	IPopKik36	IPopKik36
	44	Open CD Tray	GS Pedal HH	p33014v	Pedal HiHat	HipHopCHH	R&B CHH	TR-707 HH-c
	45	Audio Switch	Pedal HiHat	p33157v	Real Tom 4	85St Tom12	IPopCst37st	909 Tom
	46	Key Typing 1	Pedal HiHat2	p33019v	Jazz Open HH	HipHopOHH	R&B OHH	909 OH
	47	Key Typing 2	Half OpenHH1	p33164v	Real Tom 4	85St Tom12	IPopTomL43	909 Tom
C3	48	Key Typing 3	Half OpenHH2	p33159v	IPopTomL43	85St Tom10	IPopTomM47	909 Tom
	49	Key Typing 4	Open HHat2	p35029v	Crash Cym.1	85St CrsCym1	IPopCym1_52	909 Crash
	50	Key Typing 5	Open HHat2	p33158v	IPopTomM47	85St Tom10	IPopTomH50	909 Tom
	51	Key Typing 6	Open Hi Hat	p43002v	NewRkRdCym1	85St RdCym	IPopRd1_51	909 Ride Cym
	52	BabyLaughing	Jazz Open HH	cym013v	IPopRd2_55	ChinaCymbal	IPopCym1_49	ChinaCymbal
	53	Clap Hit	909 OH	p45002v	Dholla Dom	85St RdBell	Dholla Dom	Dholla Dom
	54	Stab1 1	TR-707 OHH	p36017v	Dholla Sak 1	Tambourine	Dholla Sak 1	Dholla Sak 1
	55	Stab1 2	606 HHat Op	p34109v	Dholla Sak 2	Splash Cym.	Dholla Sak 2	Dholla Sak 2
	56	Bounce Hit	TR-808 OHH	p36019v	Dholla Sak 3	Cowbell	Dholla Sak 3	Dholla Sak 3
	57	Boeeen	CR-78 ohh	p44001v	Dholla Rim	Crash Cym.2	Dholla Rim	Dholla Rim
	58	Glass & Glam	Crash Cym.1	p36009v	Dholla Raka	Vibraslap	Dholla Raka	Dholla Raka
	59	Ice Ring	GS Crash	AfAahhh	Dholla Tak 1	Ride Cymbal	Dholla Tak 1	Dholla Tak 1
C4	60	Crack Bottle	Hard Crash	NewHiBongo	Dholla Tak 2	Bongo High	Dholla Tak 2	Dholla Tak 2
	61	Pour Bottle	Brush Crash	NewLoBongo	DoFDom 1	Bongo Lo	DoFDom 1	DoFDom 1
	62	Soda	Hard Crash	NewConga5lp	DoFDom 2	Mute H.Conga	DoFDom 2	DoFDom 2
	63	Car Engine 2	909 Crash	NewCongaOp	DoFDom 3	Conga Hi Opn	DoFDom 3	DoFDom 3
	64	Car Horn	Jngl Crash	NewLoConga	DoFTak 1	Conga Lo Opn	DoFTak 1	DoFTak 1
	65	R.Crossing	808 Crash	NewTmbHi	DoFTak 2	High Timbale	DoFTak 2	DoFTak 2
	66	SL 1	Crash Mute 2	NewTmbLo	DoFSak 1	Low Timbale	DoFSak 1	DoFSak 1
	67	SL 2	Crash Mute 1	Agogo	DoFRim 1	Agogo	DoFRim 1	DoFRim 1
	68	Over Blow	Crash Mute 2	Agogo	DoFSak 2	Agogo	DoFSak 2	DoFSak 2
	69	Sword Boom!	Crash Mute 2	NewShaker2	DoFRim 2	Cabasa	DoFRim 2	DoFRim 2
	70	Sword Cross	Crash Mute 1	NewShaker1	DoFSak 3	Maracas	DoFSak 3	DoFSak 3
	71	Industry Hit	Crash Mute 2	ShrtWhistle	DoFinger 1	ShrtWhistle	DoFinger 1	DoFinger 1
C5	72	Drill Hit	rev.trn_crs	LongWhistle	DoFinger 2	LongWhistle	DoFinger 2	DoFinger 2
	73	Compressor	rev.trn_crs	NewQuide1	Tabla Raka 1	Short Guiro	Tabla Raka 1	Tabla Raka 1
	74	Thrill Hit	Reverse Cym.	NewQuide2	Tabla Tak 1	Long Guiro	Tabla Tak 1	Tabla Tak 1
	75	Explosion 2	rev.trn_crs	NewClaves	Tabla Tik 1	Claves	Tabla Tik 1	Tabla Tik 1
	76	Seal	Splash Cym.	Woodblock	Tabla Dom	Woodblock	Tabla Dom	Tabla Dom
	77	Fancy Animal	Ride Bell	Woodblock	Tabla Sak	Woodblock	Tabla Sak	Tabla Sak
	78	Cricket	Ride Bell	Mute Cuica	Tabla Roll	Mute Cuica	Tabla Roll	Tabla Roll
	79	Baert	Ride Bell	Open Cuica	Tabla Tak 2	Open Cuica	Tabla Tak 2	Tabla Tak 2
	80	Frog Vpoc	Brush RideBL	MuteTriangl	Tabla Raka 2	MuteTriangl	Tabla Raka 2	Tabla Raka 2
	81	Wind 2	Ride Cymbal	OpenTriangl	Tabla Rim 1	OpenTriangl	Tabla Rim 1	Tabla Rim 1
	82	Scratch 3	Ride Cymbal	Shaker	Tabla Toks	Shaker	Tabla Toks	Tabla Toks
	83	Scratch 4	Ride Cymbal	Jingle Bell	Tabla Rim 2	Jingle Bell	Tabla Rim 2	Tabla Rim 2
C6	84	Scratch 5	Brush Ride	Bell Tree	Tabla Tik 2	Bell Tree	Tabla Tik 2	Tabla Tik 2
	85	Scratch 6	606 Ride Cym	Castanets	Rek Raka	Castanets	Rek Raka	Rek Raka
	86	Scratch 7	TR808 Ride	Mute Surdo	Rek Dom	Mute Surdo	Rek Dom	Rek Dom
	87	Noise Attack	ChinaCymbal	Open Surdo	Rek Trill	Open Surdo	Rek Trill	Rek Trill
	88	Bounce	China Cym2	Cana	Rek Tak 1	ReverseCymb	Rek Tak 1	Rek Tak 1
	89	Dist Knock	Hand clap2	NewTmbHiFlm	Rek Rim	Hoo	Rek Rim	Rek Rim
	90	xxx	HC2 Claps 2	NewTmbLoFlm	Rek Brass 1	Hoo	Rek Brass 1	Rek Brass 1
	91	---	808clap	NewTmbIPH5	Rek Tok	MuteTriangl	Rek Tok	Rek Tok
	92	---	808clap	NewShekere1	Rek Brass 2	OpenTriangl	Rek Brass 2	Rek Brass 2
	93	---	HC2 Claps 2	NewShekere2	Rek Tak 2	MuteTriangl	Rek Tak 2	Rek Tak 2
	94	---	909 HandClap	NHNgomute	Rek Sak	OpenTriangl	Rek Sak	Rek Sak
	95	---	HC2 Claps 2	NewLbngoMute	Rek Tik	808 Tom 2	Rek Tik	Rek Tik
C7	96	---	707 Claps	CajonHi	Mazhar Dom	808 Tom 2	Mazhar Dom	Mazhar Dom

	PC: 61 [CC32: 4] SFX 2	PC: 63 [CC32: 4] CYM&CLAPS 2	PC: 64 [CC32: 4] V-VoxDrum	PC: 117 [CC32: 3] Oriental 3	PC: 32 [CC32: 4] MultiDrum	PC: 65 [CC32: 4] Or. R&B	PC: 66 [CC32: 4] Or. Techno	PC: 117 [CC32: 4] Oriental 4		
C7	96	---	707 Claps	CajonHi	Mazhar Dom	808 Tom 2	Mazhar Dom	Mazhar Dom	Hand Clap 1	
	97	---	---	CajonHiFim	Mazhar Tak	808 Tom 2	Mazhar Tak	Mazhar Tak	---	
	98	---	---	CajonLo	Mazhar Sak	808 Tom 2	Mazhar Sak	Mazhar Sak	---	
	99	---	---	CajonLoFim	Mazhar Brass	808 Tom 2	Mazhar Brass	Mazhar Brass	---	
	100	---	---	FimncoHClip1	Sagat Mid	808 Tom 2	Sagat Mid	Sagat Mid	---	
	101	---	---	FimncoHClip1	Sagat Hi	808cowbe	Sagat Hi	Sagat Hi	---	
	102	---	---	BongoCowBell	Sagat Closed	808 Conga	Sagat Closed	Sagat Closed	---	
	103	---	---	AfHey	Sagat Sak	808 Conga	Sagat Sak	Sagat Sak	---	
	104	---	---	MamboCowBell	Dofs Tak	808 Conga	Dofs Tak	Dofs Tak	---	
	105	---	---	MexFVox2	Dofs Dom	Synth Drum 2	Dofs Dom	Dofs Dom	---	
	106	---	---	Affoots	Dofs Sak	Synth Drum 2	Dofs Sak	Dofs Sak	---	
	107	---	---	MexFVox1	Dofs Rim 1	Synth Drum 2	Dofs Rim 1	Dofs Rim 1	---	
	C8	108	---	MexMVox1	Dofs Rim 2	Synth Drum 2	Dofs Rim 2	Dofs Rim 2	---	
		109	---	---	YodelFVox1	Dofs Dom st.	Synth Drum 2	Dofs Dom st.	Dofs Dom st.	---
		110	---	---	MexMVox2	TablaNurDom	Synth Drum 2	TablaNurDom	TablaNurDom	---
		111	---	---	YodelMVox1	Dofs Sak st.	R&B OHHsh	Dofs Sak st.	Dofs Sak st.	---
		112	---	---	BexMVox3	TablaNurRim	R&B OHH	TablaNurRim	TablaNurRim	---
		113	---	---	FimncoFVox1	TablaNurTak	R&B CHH	TablaNurTak	TablaNurTak	---
114		---	---	YodelFVox2	TablaNurSak	R&B OHH	TablaNurSak	TablaNurSak	---	
115		---	---	FimncoFVox2	BassSlideFX	TR-909 CHH	BassSlideFX	BassSlideFX	---	
116		---	---	NewWhistle1	BassSlapFX	TR-909 OHH	BassSlapFX	BassSlapFX	---	
117		---	---	FimncoFVox3	Zaghroua5m2	909 Crash	Zaghroua5m2	Zaghroua5m2	---	
118	---	---	NewWhistle2	Zir 1	IPopKik36	Zir 1	Zir 1	---		
119	---	---	FimncoMVox1	ZaghrouaEd2	IPopCstk37st	ZaghrouaEd2	ZaghrouaEd2	---		
C9	120	---	FimncoMVox2	NewHiBongo	IPopSn38st	NewHiBongo	NewHiBongo	---		
	121	---	---	BrazilVox1	NewLoBongo	IPopSn40st	NewLoBongo	NewLoBongo	---	
	122	---	---	FimncoMVox3	NewCongaSlp	IPopHat1_42	NewCongaSlp	NewCongaSlp	---	
	123	---	---	BrazilVox2	NewCongaOp	IPopHat2_44	NewCongaOp	NewCongaOp	---	
	124	---	---	BrazilVox3	NewLoConga	IPopHat3_46	NewLoConga	NewLoConga	---	
	125	---	---	AfAahhh	NewTmbLHi	IPopTomL43	NewTmbLHi	NewTmbLHi	---	
	126	---	---	p33137v	NewTmbLlo	IPopTomM47	NewTmbLlo	NewTmbLlo	---	
G9	127	---	p33168v	Hager 1	IPopTomH50	Hager 1	Hager 1	---		

E-80 Music Workstation
Drum Sets | Parameter Reference

	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	PC: 18 [CC32: 4] New Rock	
C-1	0	HipHop Kick1	Brasil Tamburin	HipHop Kick1	Mambo_SW	CowBellSide	HipHop Kick1
	1	Jazz Kick 1	Marches Tamburin	Jazz Kick 1	SeaShells	SeaShells	Jazz Kick 1
	2	Mex Kick	Tamorra 1	Mex Kick	Equat-nutshells	Equat-nutshells	Mex Kick
	3	Rm Kick 1	Tamorra 2	Rm Kick 1	Cascade_Ending	Cascade_Ending	Rm Kick 1
	4	Rm Kick 2	Tamorra 3	Rm Kick 2	Chimes-Ending	Chimes-Ending	Rm Kick 2
	5	HipHop Kick2	Tamorra 4	HipHop Kick2	Goathooves	Goathooves	HipHop Kick2
	6	TechnoKick1	Tamorra 6	TechnoKick1	GoathoovesShot	GoathoovesShot	TechnoKick1
	7	BassDrumSet	Tamorra 7	BassDrumSet	Bongo1_SW1	Bongo1_SW1	BassDrumSet
	8	HipHop Kick1	Tamorra 8	HipHop Kick1	Bongo1_SW2	Bongo1_SW2	HipHop Kick1
	9	909Comp Kick	Tamorra Ending	909Comp Kick	Bongo1_SW3	Bongo1_SW3	909Comp Kick
	10	St Kick 1	Pandeiro 1	St Kick 1	Bongo2_SW1	Bongo2_SW1	St Kick 1
	11	JazzKick	Pandeiro 2	JazzKick	Bongo2_SW2	Bongo2_SW2	JazzKick
C0	12	NewRockKik	Pandeiro 3	RockKik	Bongo2_3	Bongo2_3	Rock Kick
	13	Cymbal Roll	Pandeiro 4	Cymbal Roll	Congas_SW1	Congas_SW1	Cymbal Roll
	14	Rock Stick 2	Pandeiro 5	Rock Stick 2	Congas_SW2	Congas_SW2	Rock Stick 2
	15	Rm Snare 1	Pandeiro 6	Rm Snare 1	Congas_SW3	Congas_SW3	Rm Snare 1
	16	Rm Snare 2	BeguineLoop3	Rm Snare 2	Congas_SW4	Congas_SW4	Rm Snare 2
	17	St Snare1	BeguineLoop2	St Snare1	Tamorra 1	Tamorra 1	St Snare1
	18	St Snare2	BeguineLoop1	St Snare2	Tamorra 2	Tamorra 2	St Snare2
	19	NewJzSn2	JazzSnare2	JazzSnare2	Tamorra 3	Tamorra 3	JazzSnare2
	20	NewJzSn1	JazzSnare1	JazzSnare1	Tamorra 4	Tamorra 4	JazzSnare1
	21	R&B Snare	R&B Snare	R&B Snare	Tamorra 6	Tamorra 6	R&B Snare
	22	RockSnare2_2	RockSnare2_2	RockSnare2_2	Tamorra 7	Tamorra 7	RockSnare2_2
	23	RockSnare1_2	RockSnare1_2	RockSnare1_2	Tamorra 8	Tamorra 8	RockSnare1_2
C1	24	PopSnare38 2	PopSnare38 2	PopSnare38 2	Tamorra Ending	Tamorra Ending	PopSnare38 2
	25	Snare Ghost1	Snare Ghost1	Snare Ghost1	Pandeiro_SW1	Pandeiro_SW1	Snare Ghost1
	26	PopSnare38 2	PopSnare38 2	PopSnare38 2	Pandeiro_SW2	Pandeiro_SW2	PopSnare38 2
	27	FingerSnaps2	FingerSnaps2	FingerSnaps2	Pandeiro_SW3	Pandeiro_SW3	FingerSnaps2
	28	909 HandClap	RockSnare2_3	909 HandClap	Pandeiro 5	Pandeiro 5	909 HandClap
	29	808 Clap	Roll Snare	808 Clap	Brazilian_Tamburin	Brazilian_Tamburin	808 Clap
	30	Hand clap2	Hand clap2	Hand clap2	Chimes&Seeds_1	Chimes&Seeds_1	Hand clap2
	31	909 HandClap	909 HandClap	909 HandClap	Chimes&Seeds_2	Chimes&Seeds_2	909 HandClap
	32	Pedal Hi Hat	Pedal Hi Hat	Pedal Hi Hat	PopHiHatFoot	PopHiHatFoot	Pedal Hi Hat
	33	GospelHClp1	FolkSnareTango2	GospelHClp1	VibratoneSlow-Fast	VibratoneSlow-Fast	GospelHClp1
	34	Snare Roll 1	FolkSnareRoll	Snare Roll 1	AfricanCowBell	AfricanCowBell	Snare Roll 1
	35	Pop Kick 35	Pop Kick 35	Pop Kick 35	Kick_Plastic	Kick_Plastic	Pop Kick 35
C2	36	Pop Kick 36	Pop Kick 36	Pop Kick 36	Kick_Plastic	Kick_Plastic	Pop Kick 36
	37	Pop Stick1	Pop Stick1	Pop Stick1	Phrase4	Phrase4	Pop Stick1
	38	PopSnare38 1	PopSnare38 1	PopSnare38 1	Snare	Snare	PopSnare38 1
	39	Snare Ghost1	Snare Ghost1	Snare Ghost1	SnareFlam	SnareFlam	Snare Ghost1
	40	PopSnare40 1	PopSnare40 1	PopSnare40 1	Snare	Snare	PopSnare40 1
	41	Flam Tom 41	Flam Tom 41	Flam Tom 41	FloorTomFlam	FloorTomFlam	Flam Tom 41
	42	Pop Hi Hat1	Pop Hi Hat1	Pop Hi Hat1	Jazz Hat1	Jazz Hat1	Pop Hi Hat1
	43	Tom 43	Tom 43	Tom 43	FloorTom	FloorTom	Tom 43
	44	Pop Hi Hat2	Pop Hi Hat2	Pop Hi Hat2	Jazz Hat2	Jazz Hat2	Pop Hi Hat2
	45	Flam Tom 45	Flam Tom 45	Flam Tom 45	Tom2Flam	Tom2Flam	Flam Tom 45
	46	Pop Hi Hat3	Pop Hi Hat3	Pop Hi Hat3	Jazz Hat3	Jazz Hat3	Pop Hi Hat3
	47	Tom 47	Tom 47	Tom 47	Tom2	Tom2	Tom 47
C3	48	Flam Tom 50	Flam Tom 50	Flam Tom 50	Tom1Flam	Tom1Flam	Flam Tom 50
	49	Pop Cymbal2	Pop Cymbal2	Pop Cymbal2	JazzCrCym1	JazzCrCym1	Pop Cymbal2
	50	Tom 50	Tom 50	Tom 50	PopBrushTom1	PopBrushTom1	Tom 50
	51	Pop Ride1	Pop Ride1	Pop Ride1	NewJzRide1	NewJzRide1	Pop Ride1
	52	Pop Cymbal	Pop Cymbal	Pop Cymbal	BrushCrash2	BrushCrash2	Pop Cymbal
	53	Pop Ride2	Pop Ride2	Pop Ride2	Jazz Ride2	Jazz Ride2	Pop Ride2
	54	Tambourine	Tambourine	Tambourine	CembaloFree	CembaloFree	Tambourine
	55	Splash Cym.	Splash Cym.	Splash Cym.	BrushCrash1	BrushCrash1	Splash Cym.
	56	ChaChaCowb	ChaChaCowb	ChaChaCowb	CowBell	CowBell	ChaChaCowb
	57	CrashCymbal2	CrashCymbal2	CrashCymbal2	JzCrashCym1	JzCrashCym1	CrashCymbal2
	58	Vibraslap	Vibraslap	Vibraslap	vibraslp	vibraslp	Vibraslap
	59	RockRideCym1	RockRideCym1	RockRideCym1	RockRide1	RockRide1	RockRideCym1
C4	60	NewHiBongo	HiBongo	HiBongo	Bongo_SW	Bongo_SW	HiBongo
	61	NewLoBongo	LoBongo	LoBongo	Bongo1_4	Bongo1_4	LoBongo
	62	NewCongaSlp	CongaSlap	Conga Slap	Congas_SW	Congas_SW	CongaSlap
	63	NewCongaOp	CongaOp	Conga Op	Congas_7	Congas_7	CongaOp
	64	NewLoConga	LoConga	Lo Conga	Congas_8	Congas_8	LoConga
	65	Timbal Hi	Timbal Hi	Timbal Hi	Timbal Hi	Timbal Hi	Timbal Hi
	66	Timbal Lo	Timbal Lo	Timbal Lo	Timbal Lo	Timbal Lo	Timbal Lo
	67	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
	68	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
	69	NewShaker2	Shaker2	Shaker2	Shaker2	Shaker2	Shaker2
	70	NewShaker1	Shaker1	Shaker1	Shaker1	Shaker1	Shaker1
	71	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle
C5	72	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle
	73	Quide1	Quide1	Quide1	Quide1	Quide1	Quide1
	74	Quide2	Quide2	Quide2	Quide2	Quide2	Quide2
	75	Claves	Claves	Claves	Claves	Claves	Claves
	76	Woodblock	Woodblock	Woodblock	Woodblock1	Woodblock1	Woodblock
	77	Woodblock	Woodblock	Woodblock	Woodblock2	Woodblock2	Woodblock
	78	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica
	79	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica
	80	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl
	81	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl
	82	Shaker	Shaker	Shaker	Shaker	Shaker	Shaker
	83	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
C6	84	Bell Tree	Bell Tree	Bell Tree	Belltrees	Belltrees	Bell Tree
	85	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets
	86	Mute Surdo	Mute Surdo	Mute Surdo	Surdo_mute	Surdo_mute	Mute Surdo
	87	Open Surdo	Open Surdo	Open Surdo	Surdo_open	Surdo_open	Open Surdo
	88	Cana	Cana	Cana	Cana	Cana	Cana
	89	Timbal HiFlm	Timbal HiFlm	Timbal HiFlm	TimbalHiFlm	TimbalHiFlm	Timbal HiFlm
	90	Timbal LoFlm	Timbal LoFlm	Timbal LoFlm	TimbalLoFlm	TimbalLoFlm	Timbal LoFlm
	91	NewTmbPHS	Timbal PHS	Timbal PHS	TimbalPHS	TimbalPHS	Timbal PHS
	92	NewShekere1	Shekere1	Shekere1	Shekere1	Shekere1	Shekere1
	93	NewShekere2	Shekere2	Shekere2	Shekere2	Shekere2	Shekere2
	94	NHBngoMute	Bongo Mute	Bongo Mute	Bongo Mute	Bongo Mute	Bongo Mute
	95	L BongoMute	L BongoMute	L BongoMute	LBongoMute	LBongoMute	L BongoMute
C7	96	CajonHi	CajonHi	CajonHi	CajonHi	CajonHi	CajonHi

	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	PC: 18 [CC32: 4] New Rock
(C7) 96	CajonHi	CajonHi	CajonHi	CajonHi	CajonHi	CajonHi
97	CajonHiFlm	CajonHiFlm	CajonHiFlm	CajonHiFlm	CajonHiFlm	CajonHiFlm
98	Cajon Low	Cajon Low	Cajon Low	CajonLo	CajonLo	Cajon Low
99	CajonLoFlm	CajonLoFlm	CajonLoFlm	CajonLoFlm	CajonLoFlm	CajonLoFlm
100	FimncoHClap1	Fimnco Clap1	FimncoHClap1	FimncoHClp1	FimncoHClp1	FimncoHClap1
101	FimncoHClap1	Fimnco Clap1	FimncoHClap1	FimncoHClp1	FimncoHClp1	FimncoHClap1
102	BongoCowBell	BongoCowBell	BongoCowBell	BongoCowBell	BongoCowBell	BongoCowBell
103	PopSnareFl	PopSnareFl_L	BrushSnare Shot	Crotals	Crotals	RockSnareFl_H
104	MamboCowBell	MamboCowBell	MamboCowBell	MamboCowBell	MamboCowBell	MamboCowBell
105	PopSnareDrag	SnareDrag	Phrase3	CrashPhrase4	CrashPhrase4	Snare Ghost
106	HiHatPhrase3	HiHatPhrase3	Phrase1	CrashPhrase5	CrashPhrase5	HiHatPhrase3
107	CrashPhrase1	CrashPhrase1	RidePhrase1	RidePhrase1	RidePhrase1	Crash2Phrase4
(C8) 108	CrashPhrase2	CrashPhrase2	RidePhrase2	RidePhrase2	RidePhrase2	Crash1Phrase3
109	CrashPhrase3	CrashPhrase3	RidePhrase4	RidePhrase4	RidePhrase4	Crash1Phrase4
110	CrashPhrase4	CrashPhrase4	CrashPhrase4	Egg_M3	Egg_M3	CrashPhrase4
111	CrashPhrase5	CrashPhrase5	CrashPhrase5	Egg_MEndOff	Egg_MEndOff	CrashPhrase5
112	Crash_Stop	Crash_Stop	SnareBrushFlam	Egg_M_SW1	Egg_M_SW1	RidePhrase1
113	RidePhrase1	RidePhrase1	RidePhrase1	Egg_L4	Egg_L4	RidePhrase2
114	RidePhrase2	RidePhrase2	RidePhrase2	Egg_LEndOff	Egg_LEndOff	RidePhrase3
115	RidePhrase3	RidePhrase3	RidePhrase3	Egg_L_SW1	Egg_L_SW1	RidePhrase4
116	RidePhrase4	RidePhrase4	RidePhrase4	Egg_TuttiEndOff	Egg_TuttiEndOff	RidePhrase5
117	RidePhrase5	RidePhrase5	RidePhrase5	Egg_S4	Egg_S4	BrushRidePhrase4
118	RidePhrase1	RidePhrase1	Cascade_Ending	Egg_SEndOff	Egg_SEndOff	Crash1Phrase1
119	RidePhrase2	RidePhrase2	Chimes&Seeds	Egg_S_SW1	Egg_S_SW1	Crash1Stopped
(C9) 120	RidePhrase4	RidePhrase4	Chimes	Chimes	Chimes	Crash2Stopped
121	ChinaRoll	AAhhh	Crotals	DoorKeys	DoorKeys	ChinaStopped
122	ChinaStopped	Uaahh	DoorKeys	Pinchimes	Pinchimes	Crash1StopLong
123	Egg S4	Egg S4	Egg S4	Harness-bell1	Harness-bell1	Crash2StopLong
124	Egg S1	Egg S1	Egg S1	Harness-bell2	Harness-bell2	ChinaRoll
125	Egg AllEndOff	Egg EndOff	Egg EndOff	Harness-bell3	Harness-bell3	Egg EndOff
126	Tambour Ending	CembaloEnding	CembaloEnding	CembaloEnding	CembaloEnding	CembaloEnding
(G9) 127	Tambour Free	CembaloFree	CembaloFree	CembaloFree	CembaloFree	CembaloFree

3. Styles

8 Beat	CC00	CC32	BPM	TS
P1 Romantic Ballad	6	115	70	4/4
Angel Ballad	6	109	75	4/4
Sunshine Pop	6	114	130	4/4
Blue Pop	6	110	110	4/4
British Pop	6	111	125	4/4
Sister Pop	6	113	184	4/4
Euro Ballad	6	80	55	4/4
Love Beat	6	90	66	4/4
Fast Beat	6	83	110	4/4
So Easy	6	84	102	4/4
P2 Bright Pop	6	91	93	4/4
Easy Pop	6	92	122	4/4
Natural Pop	6	93	122	4/4
Light Pop	6	88	120	4/4
Easy Beat	6	82	80	4/4
70's Pop	6	106	112	4/4
Heart Beat	6	89	152	4/4
Night Pop	6	94	58	4/4
Cool Pop	6	98	108	4/4
Happy Pop	16	21	103	4/4
P3 Easy Groove	6	85	68	4/4
Soul Pop	6	103	78	4/4
Sweet Beat	6	100	60	4/4
Groovy Pop	6	101	84	4/4
Warm Pop	6	105	92	4/4
Fast Pop	6	97	145	4/4
80's Pop	6	86	178	4/4
Sunny Pop	6	102	104	4/4
Color Beat	6	104	118	4/4
Half Beat	6	95	130	4/4
P4 Folk Beat	6	79	92	4/4
Your Ballad	6	46	60	4/4
Power Ballad	6	47	64	4/4
Guitar Pop	6	48	72	4/4
Soft Beat	6	49	83	4/4
Trendy Beat	6	50	85	4/4
Full Pop	6	51	88	4/4
Morn Pop	6	52	80	4/4
Poppin'	6	53	88	4/4
Love Ballad	6	54	64	4/4
P5 Guitar Serenade	6	55	65	4/4
Guitar Beat	4	26	130	4/4
Piano Ballad	4	25	55	4/4
16 Beat	CC00	CC32	BPM	TS
P1 Friendly Beat	7	102	59	4/4
Radio Pop	7	101	120	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
Cute Pop	7	95	94	4/4
Hip Beat	7	89	63	4/4
Smooth Beat	7	88	78	4/4
P2 Smile Pop	7	93	100	4/4
Analog Beat	7	96	85	4/4
Moonlight Pop	7	94	98	4/4
Ballad Slow Rock	7	103	90	6/8
Lovely Ballad	4	36	120	4/4
Latin Beat	7	90	94	4/4
70's Groove	7	83	120	4/4
UK Pop	7	82	124	4/4
Contemp Beat	7	53	70	4/4
Simply Pop	7	54	75	4/4
P3 Home Pop	7	55	80	4/4
Power Pop	7	56	80	4/4
Electro Beat	7	57	85	4/4
Groovin'	7	58	93	4/4
Pop Shuffle	7	59	94	4/4
Light Beat	7	60	98	4/4

US Shuffle	4	22	88	4/4
UK Shuffle	4	23	107	4/4
Shuffle Fusion	4	24	120	4/4
Fast Beat Guitar	7	98	90	4/4
P4 Dream Ballad	7	97	70	4/4
Live Band	CC00	CC32	BPM	TS
P1 Strummlin' Pop	68	11	93	4/4
The Unplugged	68	13	108	4/4
Amazing Gospel	68	12	61	6/8
Night Ballad	68	5	50	4/4
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
Acoustic Pop	68	6	96	4/4
P2 Live Pop	68	3	108	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
Cool Shuffle	1	76	126	4/4
Breaky Rock	1	68	120	4/4
Dark Rock	1	70	126	4/4
JuliRock	1	73	112	4/4
LoveRock	1	77	85	4/4
Happy Beat	1	64	104	4/4
Bright Rock	1	59	107	4/4
Easy Rock	1	61	131	4/4
P2 Electro Rock	1	62	126	4/4
New Metal	1	63	83	4/4
MunichRock	1	74	88	4/4
Schlager Rock	1	75	126	4/4
German90Pop	1	71	98	4/4
Simple Rock	1	65	90	4/4
Rock Beat	1	66	80	4/4
Soft Rock	1	60	91	4/4
Light Rock	1	35	86	4/4
Groovy Rock	1	36	101	4/4
P3 Smooth Rock	1	37	106	4/4
Big Rock	1	38	120	4/4
Power Rock	1	39	130	4/4
Fire Rock	1	40	136	4/4
Fast Rock	1	41	172	4/4
Rock Shuffle	1	42	135	4/4
Disco & Dance	CC00	CC32	BPM	TS
P1 Ladies Dance	66	28	126	4/4
UK Dance	66	32	117	4/4
Housing	66	27	120	4/4
Survive Disco	66	21	117	4/4
Dancin'	66	26	118	4/4
Earth Boogie	66	34	130	4/4
DJ Groove	66	33	103	4/4
Euro Dance	66	5	140	4/4
Dream Dance	66	3	130	4/4
Ibiza Dance	66	6	132	4/4
P2 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
Hard Techno	66	8	146	4/4
80's Techno	66	2	130	4/4
Ballerman	5	48	134	4/4
Latin Dance	22	39	106	4/4
Gipsy Dance	61	7	122	4/4
Barry Dance	66	13	132	4/4
P3 70's Disco	66	4	124	4/4
SchlagerShuffle	66	30	112	4/4
Schlagermichl	66	29	130	4/4
Reggaetone	8	12	96	4/4

Stadtschlager	66	31	90	4/4
70's Schlager	66	22	136	4/4
Alpenschlager	66	25	123	4/4
Schlag Disco Fox	66	35	125	4/4
AlpenParty	66	24	123	4/4
AlpenBallade	66	23	89	6/8
P4 Disco Schlager	5	46	130	4/4
Latin Schlager	5	47	122	4/4
Dance Schlager	5	45	136	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
Disco Gully	66	11	142	4/4
Latin Disco	2	92	130	4/4
Contemporary	CC00	CC32	BPM	TS
P1 Downtown Funk	28	17	120	4/4
Wahoo Groove	28	18	117	4/4
Breath Rap	33	14	96	4/4
Cool Rap	33	13	95	4/4
Now Hip Hop	66	16	96	4/4
HipHop Beat	66	14	86	4/4
Hip'n Hop	66	15	102	4/4
Twostep	4	33	130	4/4
Contemporary Pop	28	16	92	4/4
Soul	44	26	127	4/4
P2 Funky	3	27	103	4/4
Funky Pop	3	26	108	4/4
80's Groove	2	89	114	4/4
70's Beat	2	90	122	4/4
Smooth Contemp	28	12	93	4/4
Light Contemp	2	91	94	4/4
Acid Pop	28	13	123	4/4
Wave Jazz	28	11	95	4/4
BallRoom	CC00	CC32	BPM	TS
P1 Alpenwalzer	17	49	98	6/8
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
P2 Paso Doble	40	4	123	4/4
Tarantella	53	6	140	2/4
Mazurca 1	17	40	136	3/4
Mazurca 2	17	41	150	3/4
French Valse	17	45	196	3/4
3_4 Boston	17	44	119	3/4
Folk Valzer 1	17	42	176	3/4
Folk Valzer 2	17	43	178	3/4
Vienne	17	46	153	3/4
Paso Doble 2	40	5	124	4/4
P3 Paso Doble 3	40	6	122	4/4
Simple Cumbia	46	4	95	2/4
Polca 1	19	25	110	2/4
Polca 2	19	26	127	2/4
Madison	69	3	128	4/4
Simply Cha Cha	24	13	120	4/4
Cool Cha Cha	24	15	129	4/4
Biguine	39	20	121	4/4
Manouche	69	4	135	4/4
Cool Tango	26	15	120	4/4
P4 Folk Tango 1	26	13	118	4/4
Folk Tango 2	26	14	125	4/4
Bolero	55	2	109	4/4
Big Samba	27	22	124	4/4
Cool March	20	23	128	4/4

Jazz&Blues	CC00	CC32	BPM	TS
P1 Breezy Swing	14	25	120	4/4
Big Apple Band	14	26	110	4/4
Biggest Band	14	24	130	4/4
Bennys Big Band	14	23	198	4/4
Midnight SlSwing	12	35	56	4/4
Jimmys Groove	44	31	177	4/4
Mustang Blues	44	32	116	4/4
Cool Soul	44	30	115	4/4
Fast Blues	44	17	126	4/4
Blues	44	14	60	4/4
P2 Big Band Slow	14	18	61	4/4
Big Band Medium	14	19	125	4/4
Big Band Fast	14	20	170	4/4
Swing Medium	12	31	130	4/4
Modern Med Swing	12	33	113	4/4
R&B	44	18	106	4/4
Orchestra Swing	12	36	124	4/4
Strings Swing	12	34	155	4/4
Classic Big Band	14	21	136	4/4
Jazz Big Band	14	22	164	4/4
P3 Swing Fast	12	32	243	4/4
Jz Guitar Swing	12	37	232	4/4
Gipsy Swing	12	38	208	4/4
Unplug Shuffle	15	11	124	4/4
Midnight Blues	44	25	62	4/4
Soft Ballad	13	14	55	4/4
Jazz Club	13	15	86	4/4
Medium Jazz	13	16	100	4/4
Smooth Med Swing	13	17	110	4/4
Scat Swing	12	23	125	4/4
P4 Cool Swing	12	24	135	4/4
Bigger Band	14	13	140	4/4
Ensemble Swing	12	25	180	4/4
Combo Fast Swing	12	26	220	4/4
Piano Night	13	18	60	4/4
Piano Jazz	12	27	150	4/4
50's & 60's	CC00	CC32	BPM	TS
P1 UK Rock'N	5	51	176	4/4
Baby Rock'N	10	39	118	4/4
Go! Rock'N	5	36	160	4/4
60's Rock'N	5	37	180	4/4
Good Rock'N	10	24	168	4/4
Blue Boogie	5	38	155	4/4
Fast Surf	5	34	170	4/4
Smooth Rock'N	10	22	122	4/4
Clock Rock'N	10	23	176	4/4
Brass Rock'N	10	25	181	4/4
P2 Easy Slow Rock	5	39	83	6/8
50's Slow Rock	5	16	80	4/4
Oldies	5	33	130	4/4
Dream Slow Rock	5	32	71	4/4
Rock'N Slow	5	35	125	4/4
Go! Twist	10	30	160	4/4
Twist	10	20	158	4/4
50's Pop	39	13	140	4/4
Beach Surf	10	21	154	4/4
Romantic 6_8	5	52	100	6/8
P3 Schlager 6_8	5	53	104	6/8
GermanOldie	5	49	115	4/4
Cool Slow Rock	5	22	96	6/8
Dixie	11	7	140	4/4
Combo boogie	9	7	150	4/4
Big Band Boogie	9	9	186	4/4
Charleston	11	6	193	4/4
Piano Rock'N	10	31	150	4/4
Piano Shuffle	15	9	150	4/4
Piano Ragtime	43	2	170	4/4

Bossa&Samba	CC00	CC32	BPM	TS
P1 Orchestral Bossa	70	2	98	4/4
Jazz Bossa	62	128	120	4/4
Sunshine Bossa	70	1	136	4/4
Sweet Bossa	22	15	106	4/4
Club Bossa	22	16	125	4/4
Orchestral Samba	27	24	116	4/4
Acoustic Samba	27	23	108	4/4
Brazilian Samba	27	9	102	4/4
Sambalegre	27	10	130	4/4
Guitar Samba	27	12	100	4/4
P2 Night Bossa	22	17	150	4/4
Fast Bossa	22	18	173	4/4
Guitar Bossa	22	28	100	4/4
Latin Fusion	22	26	140	4/4
Piano Latin	22	27	100	4/4
Jazz Latin	22	19	102	4/4
Latin	CC00	CC32	BPM	TS
P1 Orchestral Chacha	24	16	122	4/4
That's Mambo	38	13	92	4/4
Bachata	22	40	126	4/4
Go!Salsa	22	43	94	4/4
Cuba Salsa	22	42	107	4/4
Cool Merengue	22	41	126	4/4
Medium Gipsy	61	0	93	2/4
Fast Gipsy	61	1	120	2/4
Big Mambo	38	6	89	4/4
Mambo	38	9	91	4/4
P2 Tradit Cha Cha	24	7	120	4/4
Dream Cha cha	24	9	168	4/4
Merengue	59	6	106	4/4
Fast Merengue	59	4	155	4/4
Oye Son	45	1	126	4/4
Son	45	2	152	4/4
Bomba	25	9	90	4/4
Tradit Rhumba	23	6	98	4/4
Acoustic Rhumba	23	12	130	4/4
Arg Tango	26	6	120	4/4
P3 Salsa	25	7	98	4/4
Plena	38	10	110	4/4
Mariachi	17	27	112	3/4
Tradit Cumbia	46	2	98	4/4
Calypto	35	4	165	4/4
Limborock	35	3	86	4/4
World	CC00	CC32	BPM	TS
P1 Western Movie	4	38	150	4/4
Epic Movie	4	37	124	4/4
Holiday 1	19	30	110	4/4
Holiday 2	5	50	100	3/4
Holiday 3	12	39	120	4/4
French Java	17	52	160	3/4
Irish	67	3	120	4/4
Southern Twang	19	32	177	4/4
SteamtrainCountr	16	25	144	2/4
Posaunenpolka	19	31	132	4/4
P2 German Polka	19	29	106	4/4
Schlagerwalzer	17	51	90	3/4
Posaunenwalzer	17	50	206	3/4
Orchestr Sl Fox	50	84	78	4/4
Pop Fox	50	86	85	4/4
Nice Fox	50	83	114	4/4
Fox Band	50	87	176	4/4
Slow Country	16	20	76	4/4
Country Ballad	16	19	116	4/4
Country Rock	16	15	135	4/4
P3 Country Beat	16	16	130	4/4
Easy Country	16	17	170	4/4
Country Fox	50	82	178	4/4
Country Pop	50	85	188	4/4
Slow Polka	19	28	100	4/4
Austrian Polka	19	27	142	4/4
Austrian Waltz	17	47	185	3/4
Simple Sl Waltz	18	10	85	3/4
Orch Sl Waltz	18	11	90	3/4
Slow Jz Waltz	17	28	106	3/4

P4 Medium Jz Waltz	17	23	120	3/4
Classic W'Waltz	17	24	185	6/4
Classic	5	40	95	4/4
6_8 March	20	11	120	4/4
US March	20	10	120	4/4
Orchestral Polka	19	9	128	4/4
Foxtrot	34	7	185	4/4
Beguine	39	16	105	4/4
Reggae	8	8	96	4/4
Island	8	10	105	4/4
P5 Piano Waltz	18	12	90	3/4
Guitar Waltz	18	13	110	3/4
Country Swing	16	18	190	4/4
Orchestral Waltz	17	48	200	3/4

Program Change numbers

Style Division Program Changes

Previous Arranger-Series Division	E-80 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 12 families = 120
 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	80
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
Aftertouch	Off, Filter Up, Filter Down, Modulation, Pitch Up, Pitch Down, Volume Up, Volume Down	Off
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	Auto, On, Off	Auto
Hold FootSwitch:	Assign Auto, On, Off	Auto
Foot Pedal:		
Assign	Off, Expression	Expression
Up	0~127	0
Down	0~127	127

Upper 1 Harmonic Bars

Parameter	Setting range	Default
Percussion	On, Off	On
(Preset 1)	Slow, Fast	Slow
	2-2/3', 4	'4'
	Soft, Hard	Soft
16	0~8	8
5 1/3	0~8	8
8	0~8	0
4	0~8	8
2 2/3	0~8	7
2	0~8	0
1 3/5	0~8	3
1 1/3	0~8	4
1	0~8	6

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	127
Panpot	CC 10 L63~0~R63	0
Reverb	CC 91 0~127	90
Chorus	CC 93 0~127	40
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

Aftertouch Off, Filter Up, Filter Down, Modulation, Pitch Up, Pitch Down, Volume Up, Volume Down

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 Auto, On, Off

Hold FootSwitch:	Assign Auto, On, Off	Auto
Foot Pedal:		
Assign	Off, Expression	Expression
Up	0~127	0
Down	0~127	127

Upper 3

Parameter	Setting range	Default
Tone	CC 00 0~127	6
(CC00= 120 Drum Part)	CC 32 0~127	4
	PC 1~128	54
Volume	CC 07 0~127	127
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

Aftertouch Off, Filter Up, Filter Down, Modulation, Pitch Up, Pitch Down, Volume Up, Volume Down

Pitch Bender:

Assign	Auto, On, Off	Auto
Pitch	0~24	2

Modulation Auto, On, Off

Hold FootSwitch:	Assign Auto, On, Off	Auto
Foot Pedal:		
Assign	Off, Expression	Expression
Up	0~127	0
Down	0~127	127

Lower 1

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	100
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 1 Hold		On, Off	Off
Aftertouch		Off, Filter Up, Filter Down, Modulation, Pitch Up, Pitch Down, Volume Up, Volume Down	Off
Pitch Bender:			
Assign		Auto, On, Off	Auto
Pitch		0~24	2
Modulation		Auto, On, Off	Auto
Hold FootSwitch:	Assign	Auto, On, Off	Auto
Foot Pedal:			
Assign		Off, Expression	Exp
Up		0~127	0
Down		0~127	127

Lower 1 Harmonic Bars

Parameter	Setting range	Default
16	(Preset 1) 0~8	8
5 1/3	0~8	0
8	0~8	8
4	0~8	0
2 2/3	0~8	0
2	0~8	0
1 3/5	0~8	0
1 1/3	0~8	0
1	0~8	0

Lower 2

Parameter	Setting range	Default
Tone	CC 00 0~127	81
(CC00= 120 Drum Part)	CC 32 0~127	4
	PC 1~128	90
Volume	CC 07 0~127	95
Panpot	CC 10 L63~0~R63	0
Reverb	CC 91 0~127	90
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
Value Min		1~127
Value Max		1~127
Value Fixed		1~127
Lower 2 Hold		On, Off
Aftertouch		Off, Filter Up, Filter Down, Modulation, Pitch Up, Pitch Down, Volume Up, Volume Down
Pitch Bender:		
Assign		Auto, On, Off
Pitch		0~24
Modulation		Auto, On, Off
Hold FootSwitch:	Assign	Auto, On, Off
Foot Pedal:		
Assign		Off, Expression
Up		0~127
Down		0~127

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	100
Panpot		
CC 10	L63~0~R63	0
Reverb		
CC 91	0~127	50
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
Value Min		1~127
Value Max		1~127
Value Fixed		1~127
Pitch Bender:		
Assign		Auto, On, Off
Pitch		0~24
Modulation		Auto, On, Off
Hold FootSwitch:	Assign	Auto, On, Off
Foot Pedal:		
Assign		Off, Expression
Up		0~127
Down		0~127

M.Bass Harmonic Bars

Parameter	Setting range	Default
16	0~8	8
8	0~8	2

Harmonic Bar Effects

Parameter	Setting range	Default
Overdrive	On, Off	Off
Overdrive Level	0~127	0
Leakage	0~127	0
Vibrato&Chorus	On, Off	Off
Vibr&Chor Type	V1,C1,V2,C2,V3,C3	C-1
Rotary Sound	Slow, Fast	Slow

Harmonic Bar Level

Parameter	Setting range	Default
Harmonic Bar Level	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	C#2~C4~B6	C4
Upper 3 Split	D2~C5~C6	G5
Upper3 Split On/Off	On, Off	Off

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, Acoustic	Acoustic
(Electric Patches)	01 Jazz Man, 02 OpenHard 1, 03 Dist FX, 04 OpenHard 2, 05 Overd FX, 06 Strat Clean, 07 CleanHalf, 08 Distortion, 09 Warm Drv, 10 Power, 11 Dist Guitar	
(Acoustic Patches)	01 Nylon, 02 Steel 2, 03 Steel 3, 04 Steel 4, 05 Steel 5, 06 12 Strings, 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	On
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	100
ABass	0-127	100
Acc 1	0-127	100
Acc 2	0-127	100
Acc 3	0-127	100
Acc 4	0-127	100
Acc 5	0-127	100
Acc 6	0-127	100

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 Stop	On, Off	Off

Split&Touch

Parameter	Setting range	Default
Aftertouch Arranger	Off, Fill Up, Fill, Fill Down, Variation Up, Variation Down, Intro, Ending	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	100
Panpot	CC 10 L63-0-R63	0
Reverb	CC 91 0-127	80
Chorus	CC 93 0-127	0
Pitch Bender:		
Assign Pitch	Auto, On, Off	Auto
Hold FootSwitch	Assign	Auto, On, Off
Foot Pedal:		
Assign Up	Off, Expression	Expression
Down	0-127	0
	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

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 Up	Off, Expression	Expression
Down	0-127	0
	0-127	127

Assign Switch

Parameter	Setting range	Default
Switch 1	Off, Rotary HB Slow/Fast, Rotary HB On/Off, Fade IN, Fade OUT, Scale Upper, Scale Lower, Half Bar on Fill In, Arr Hold, Dynamic Arr, Arr Chord Off, Arr RIT Tempo, Arr ACC Tempo, Reset/Start Tempo, Kbd Exchange UP2/1, Kbd Exchange LW2/1, MBass/Kbd Arr, Piano/Standard, Break Mute	Fade IN
Switch 2	Off, Rotary HB Slow/Fast, Rotary HB On/Off, Fade IN, Fade OUT, Scale Upper, Scale Lower, Half Bar on Fill In, Arr Hold, Dynamic Arr, Arr Chord Off, Arr RIT Tempo, Arr ACC Tempo, Reset/Start Tempo, Kbd Exchange UP2/1, Kbd Exchange LW2/1, MBass/Kbd Arr, Piano/Standard, Break Mute	Fade OUT

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	1-357	Strummlin' Pop
Song Link	Off, Link Song	Off
MIDI Link	Off, 1-8	Off
Master Reverb Level	0-127	70
Master Chorus Level	0-127	127

Vocal Harmonist – Voice

Parameter	Setting Range	Default
Singer		
Gender Voice Input	Male, Female	Male
Vibrato	On, Off	Off
Singer Edit		
Vibrato Rate	0-127	93
Vibrato Rise Time	0-5	0
Vibrato Depth	0-127	32
Vibrato Delay Time	0-127	3
Vibrato	On, Off	Off
Singer EQ		
Frequency Hz	112-6850	6850
Gain dB	-12-12	0
Equalizer	On, Off	Off

Vocal Harmonist – Voice-FX

Parameter	Setting Range	Default
Macro Type	DJ Talk, Woman Talk, Alien, Tenor, Robot, Radio, Sailor Man, DJ Sing, Soprano, Child, Ogre Sing, Mouse	Ogre Sing
Vibrato	On, Off	Off
Voice-FX Edit		
Gender	-64-63	-50
Pitch Coarse	-24-24	-12
Pitch Fine	-99-99	0
Vibrato Rate	0-127	93
Vibrato Rise Time	0-5	0
Vibrato Depth	0-127	32
Vibrato Delay Time	0-127	3
Voice-FX EQ		
Frequency Hz	112-6850	6850
Gain dB	-12-12	0
Equalizer	On, Off	Off

Vocal Harmonist – Auto Pitch

Parameter	Setting Range	Default
Octave	-2-0-2	0
Vibrato	On, Off	Off
Assign Track	1-16, Off	4
Assign	Left, Right, Left+Right, Off	Off
Auto Pitch Edit		
Gender	-64-63	0
Portamento Time	0-127	50
Portamento	On, Off	On
Pitch Bender	On, Off	Off
Vibrato Rate	0-127	93
Vibrato Rise Time	0-5	0
Vibrato Depth	0-127	32
Vibrato Delay Time	0-127	3
Auto Pitch EQ		

Frequency Hz	112-6850	6850
Gain dB	-12-12	0
Equalizer	On, Off	Off

Vocal Harmonist – Harmony – Vocoder

Parameter	Default	
Gender		
Male	Closed Vintage, 2 Men, Radio, Normal, Closed Pad, Out of Tune, Mountn, EFX	
Female	Open Vintage, Light, Brdway, Angel Pad, Special Vox, 2 Women, Girls, Church	
Mix	Opera, My Voice, Celest, Children, Dirty Vox, Vintage, Classic, Amen	My Voice
Assign Track	1-16, Auto, Off	Auto
Assign	Left, Right, Left+Right, Off	Left+Right
Vocoder Edit		
Part 1	Gender	-64-63
	Panpot	L64-0-R63
	Volume	0-127
Part 2	Gender	-64-63
	Panpot	L64-0-R63
	Volume	0-127
Part 3	Gender	-64-63
	Panpot	L64-0-R63
	Volume	0-127
Part 4	Gender	-64-63
	Panpot	L64-0-R63
	Volume	0-127
Common	Portamento Time	0-127
	Random Tuning	Off, Low, Mid, High
	Portamento	On, Off
	Pitch Bender:	On, Off
	Note Wrap	On, Off
	Octave	-2-0-2
Vocoder EQ		
Part 1	Frequency Hz	112-6850
	Gain dB	-12-12
Part 2	Frequency Hz	112-6850
	Gain dB	-12-12
Part 3	Frequency Hz	112-6850
	Gain dB	-12-12
Part 4	Frequency Hz	112-6850
	Gain dB	-12-12
ALL Parts	Frequency Hz	116-7000
	Gain dB	-12-12
Equalizer	On, Off	Off

Vocal Harmonist – Harmony – Small

Parameter	Default	
Gender		
Male	Gospel Duet, Country Duet, 2 Voices, 1Vox Down, Abbey Road, Falsetto, Jazz Duet, Special EQ, 2Voices Down, Octave Down	
Female	40'-50'S, 3rd Up, Soul Duet, Bahia Girls, Pop Duet, Pop 8ve Up, Unison, Rock Duet, 5th Up, Solo	
Mix	Simple Duet, Romant, Walkin'Vox, Rio Duet, Down 'n Up, Pop's, 3M 'n 8F, M 'n UnisonF, Unison 'n F, Dance EQ	
H. Assign	Auto, Keyboard, Keyboard Left, Keyboard Right, Song	Auto
Octave	-1-0-1	0
Small Edit		
Part 1	Gender	-64-63
	Panpot	L64-0-R63
	Volume	0-127
Part 2	Gender	-64-63
	Panpot	L64-0-R63
	Volume	0-127
Common	Portamento Time	0-127
	Random Tuning	Off, Low, Mid, High
	Portamento	On, Off
	Pitch Bender:	On, Off
	Chord Intell	On, Off
Small EQ		
Part 1	Frequency Hz	112-6850
	Gain dB	-12-12
Part 2	Frequency Hz	112-6850
	Gain dB	-12-12
ALL Parts	Frequency Hz	116-7000
	Gain dB	-12-12
	Equalizer	On, Off

Vocal Harmonist – Harmony – Ensemble

Parameter		Setting Range	Default
Gender			
Male		MetallicTrio, GeesFalsetto, 50's Quartet, JazzTrio, Pop, Soft Trio, Cow Boys, 4Alpines, Elvis Trio, Unison EQ	
Female		A Cappella, Strange EQ, Latin Girls, Pop Trio, Church Quartet, Sweet Quartet, Trio 'n 8ve Up, Gospel Trio, Jazz 'n Unison, Duet 'n 8ve Up	
Mix		*Soul, Gospel Quartet, Manhat, Musical, Improv, Blues, 1M+1F+Solo, W4, Luis 'n Girls, Children	Manhat
H. Assign		Auto, Keyboard, Keyboard Left, Keyboard Right, Song	Auto
Octave		-1-0~1	0
Ensemble Edit			
Part 1	Gender	-64-63	3
	Panpot	L64-0-R63	L60
	Volume	0-127	100
Part 2	Gender	-64-63	5
	Panpot	L64-0-R63	R60
	Volume	0-127	115
Part 3	Gender	-64-63	10
	Panpot	L64-0-R63	9
	Volume	0-127	122
Part 4	Gender	-64-63	11
	Panpot	L64-0-R63	R60
	Volume	0-127	127
Common	Portamento Time	0-127	48
	Random Tuning	Off, Low, Mid, High	Low
	Portamento	On, Off	On
	Pitch Bender:	On, Off	Off
	Chord Intell	On, Off	On
Ensemble EQ			
Part 1	Frequency Hz	112-6850	1450
	Gain dB	-12-12	-4
Part 2	Frequency Hz	112-6850	1450
	Gain dB	-12-12	-4
Part 3	Frequency Hz	112-6850	1450
	Gain dB	-12-12	-4
Part 4	Frequency Hz	112-6850	1450
	Gain dB	-12-12	-4
ALL Parts	Frequency Hz	116-7000	3700
	Gain dB	-12-12	4
	Equalizer	On, Off	Off

Vocal Harmonist Effect – Voice

	Parameter	Setting Range	Default
Talk	Reverb Send	0-127	64
	Delay Send	0-127	0
Singer	Reverb Send	0-127	75
	Delay Send	0-127	16
Voice-FX	Reverb Send	0-127	64
	Delay Send	0-127	0
Auto Pitch	Reverb Send	0-127	75
	Delay Send	0-127	16

Vocal Harmonist Effect – Harmony

	Parameter	Setting Range	Default
Vocoder	Reverb Send	0-127	70
	Chorus Send	0-127	70
	Delay Send	0-127	0
Small	Reverb Send	0-127	70
	Chorus Send	0-127	70
	Delay Send	0-127	0
Ensemble	Reverb Send	0-127	70
	Chorus Send	0-127	70
	Delay Send	0-127	0

Harmonist Effect Type – Voice

	Parameter	Setting Range	Default
Talk	Reverb Macro	Studio, Talk, Room, Hall, Large Hall, Concert, Live, Reflect, Church	Talk
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Reverb Send	0-127	64
	Reverb Time	0-19	7
	Delay Macro	Slow, Medium, Fast, Short Echo, One Echo, Bubble, PanDelay 1, PanDelay2, Space	Medium
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Delay Send	0-127	0
	Delay Time	0-100	55
	Delay > Rev Send	0-127	51
	Delay Feedback	0-127	51
Singer	Reverb Macro	Studio, Talk, Room, Hall, Large Hall, Concert, Live, Reflections, Church	Concert
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Reverb Send	0-127	75
	Reverb Time	0-19	10
	Delay Macro	Slow, Medium, Fast, Short Echo, One Echo, Bubble, PanDelay 1, PanDelay2, Space	Medium
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Delay Send	0-127	16
	Delay Time	0-100	55
	Delay > Rev Send	0-127	51
	Delay Feedback	0-127	51
Voice-FX	Reverb Macro	Studio, Talk, Room, Hall, Large Hall, Concert, Live, Reflections, Church	Concert
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Reverb Send	0-127	64
	Reverb Time	0-19	10
	Delay Macro	Slow, Medium, Fast, Short Echo, One Echo, Bubble, PanDelay 1, PanDelay2, Space	Medium
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Delay Send	0-127	0
	Delay Time	0-100	55
	Delay > Rev Send	0-127	51
	Delay Feedback	0-127	51
Auto Pitch	Reverb Macro	Studio, Talk, Room, Hall, Large Hall, Concert, Live, Reflections, Church	Large Hall
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Concrete
	Reverb Send	0-127	75
	Reverb Time	0-19	9
	Delay Macro	Slow, Medium, Fast, Short Echo, One Echo, Bubble, PanDelay 1, PanDelay2, Space	Medium
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Delay Send	0-127	16
	Delay Time	0-100	55
	Delay > Rev Send	0-127	51
	Delay Feedback	0-127	51

Harmonist Effect Type – Harmony

	Parameter	Setting Range	Default
Vocoder	Reverb Macro	Studio, Garage, Box, Room, Hall, JazzClub, Arena, Theater, Church	Theater
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Wood
	Reverb Send	0-127	70
	Reverb Time	0-19	6
	Chorus Macro	Smooth, Light, Medium, Detuned, Space, Reflect1, Reflect2, Reflect3, Celeste	Reflect3
	Low Pass Filter	Thru, 8 KHz, 5 KHz, 2.5 KHz, 1 KHz, 800 Hz, 630 Hz, 500 Hz	Thru
	Chorus Send	0-127	70
	Chorus > Rev Send	0-19	0
	Delay Macro	Mono1, Mono2, Mono3, Stereo Pan1, Stereo Pan2, Stereo Pan3, Mono Echo, Stereo Echo, Space	Mono Echo
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Delay Send	0-127	0
	Delay Time	0-100	55
	Delay > Rev Send	0-127	20
	Delay > Cho Send	0-127	0
	Delay Feedback	0-127	0
Small	Reverb Macro	Studio, Garage, Box, Room, Hall, Jazz Club, Arena, Theater, Church	JazzClub
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Wood
	Reverb Send	0-127	70
	Reverb Time	0-19	9
	Chorus Macro	Smooth, Light, Medium, Detuned, Space, Reflect1, Reflect2, Reflect3, Celeste	Reflect1
	Low Pass Filter	Thru, 8 KHz, 5 KHz, 2.5 KHz, 1 KHz, 800 Hz, 630 Hz, 500 Hz	1 kHz
	Chorus Send	0-127	70
	Chorus > Rev Send	0-19	0
	Delay Macro	Mono1, Mono2, Mono3, Stereo Pan1, Stereo Pan2, Stereo Pan3, Mono Echo, Stereo Echo, Space	Mono Echo
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Delay Send	0-127	0
	Delay Time	0-100	55
	Delay > Rev Send	0-127	20
	Delay > Cho Send	0-127	0
	Delay Feedback	0-127	0
Ensemble	Reverb Macro	Studio, Garage, Box, Room, Hall, Jazz Club, Arena, Theater, Church	Hall
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Reverb Send	0-127	70
	Reverb Time	0-19	7
	Chorus Macro	Smooth, Light, Medium, Detuned, Space, Reflect1, Reflect2, Reflect3, Celeste	Reflect2
	Low Pass Filter	Thru, 8 KHz, 5 KHz, 2.5 KHz, 1 KHz, 800 Hz, 630 Hz, 500 Hz	Thru
	Chorus Send	0-127	70
	Chorus > Rev Send	0-19	0
	Delay Macro	Mono1, Mono2, Mono3, Stereo Pan1, Stereo Pan2, Stereo Pan3, Mono Echo, Stereo Echo, Space	Mono Echo
	Wall Type	Carpet, Wood, Brick, Concrete, Marble	Brick
	Delay Send	0-127	0
	Delay Time	0-100	55
	Delay > Rev Send	0-127	20
	Delay > Cho Send	0-127	0
	Delay Feedback	0-127	0

Effects

Keyboard Part effects – Reverb

Parameter	Setting Range	Default
Reverb Level	0-127	64
Master Switch	Off, On	On
SRV Room		
Pre Delay	0.0-100.0 ms	1.0 ms
Time	0-127	64
Size	1-8	7

High Cut	160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12500, Bypass [Hz]	12500 Hz
Density	0-127	127
Diffusion	0-127	127
LF Damp Freq	50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000 [Hz]	4000 Hz
LF Damp Gain	-36-0 [dB]	0 dB
HF Damp Freq	4000, 5000, 6400, 8000, 10000, 12500 [Hz]	4000 Hz
HF Damp Gain	-36-0 [dB]	0 dB
SRV Hall (default)		
Pre Delay	0.0-100.0 ms	1.0 ms
Time	0-127	70
Size	1-8	7
High Cut Freq	160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12500, Bypass [Hz]	12500 Hz
Density	0-127	127
Diffusion	0-127	127
LF Damp Freq	50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000 [Hz]	4000 Hz
LF Damp Gain	-36-0 [dB]	0 dB
HF Damp Freq	4000, 5000, 6400, 8000, 10000, 12500 [Hz]	4000 Hz
HF Damp Gain	-36-0 [dB]	0 dB
SRV Plate		
Pre Delay	0.0-100.0 ms	1.0 ms
Time	0-127	64
Size	1-8	7
High Cut Freq	160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12500, Bypass [Hz]	12500 Hz
Density	0-127	127
Diffusion	0-127	127
LF Damp Freq	50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000 [Hz]	4000 Hz
LF Damp Gain	-36-0 [dB]	0 dB
HF Damp Freq	4000, 5000, 6400, 8000, 10000, 12500 [Hz]	4000 Hz
HF Damp Gain	-36-0 [dB]	0 dB
GM2 Reverb		
Character	Room1, Room2, Room3, Hall1, Hall2, Plate, Delay, Pan Delay	Hall2
Pre LPF	0-7	0
Level	0-127	64
Time	0-127	64
Feedback	0-127	0
Room 1		
Time	0-127	84
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass [Hz]	8000 Hz
Feedback	0-127	0
Room 2		
Time	0-127	84
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass [Hz]	8000 Hz
Feedback	0-127	0
Stage 1		
Time	0-127	84
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass [Hz]	8000 Hz
Feedback	0-127	0
Stage 2		
Time	0-127	84
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass [Hz]	8000 Hz
Feedback	0-127	0
Hall 1		
Time	0-127	84
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass [Hz]	8000 Hz
Feedback	0-127	0
Hall 2		
Time	0-127	84
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass [Hz]	8000 Hz

Feedback	0~127	0
Delay		
Time	0~127	91
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass [Hz]	8000 Hz
Feedback	0~127	26
Pan Delay		
Time	0~127	80
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass [Hz]	8000 Hz
Feedback	0~127	26

Keyboard Part effects - Chorus

Parameter	Setting Range	Default
Chorus Level	0~127	64
Master Switch	Off, On	On
Output	Main, Rev, Main+Rev	Main
Chorus 1		
Filter Type	Off, LPF, HPF	Off
Cutoff Freq	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]	1000 Hz
Pre Delay	0.0~100.0 ms	10.0 ms
Rate Sync	Hz, NOTE	Hz
Rate Hz	0.05~10.00 [Hz], step 0.05 [Hz]	0.20 Hz
Rate Note	1/64 T, 1/64, 1/32 T, 1/32, 1/16 T, 1/32., 1/16, 1/8 T, 1/16., 1/8, 1/4 T, 1/8., 1/4, 1/2 T, 1/4., 1/2, 1/1 T, 1/2., 1/1, 2/1 T, 1/1., 2/1	1/1
Depth	0~127	44
Phase	0~180 [deg], step 2 [deg]	180 deg
Feedback	0~127	0
Chorus 2 (default)		
Filter Type	Off, LPF, HPF	Off
Cutoff Freq	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]	1000 Hz
Pre Delay	0.0~100.0 ms	10.0 ms
Rate Sync	Hz, NOTE	Hz
Rate Hz	0.05~10.00 [Hz], step 0.05 [Hz]	0.60 Hz
Rate Note	1/64 T, 1/64, 1/32 T, 1/32, 1/16 T, 1/32., 1/16, 1/8 T, 1/16., 1/8, 1/4 T, 1/8., 1/4, 1/2 T, 1/4., 1/2, 1/1 T, 1/2., 1/1, 2/1 T, 1/1., 2/1	1/1
Depth	0~127	50
Phase	0~180 [deg], step 2 [deg]	180 deg
Feedback	0~127	8
Chorus 3		
Filter Type	Off, LPF, HPF	Off
Cutoff Freq	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]	1000 Hz
Pre Delay	0.0~100.0 ms	10.0 ms
Rate Sync	Hz, NOTE	Hz
Rate Hz	0.05~10.00 [Hz], step 0.05 [Hz]	1.00 Hz
Rate Note	1/64 T, 1/64, 1/32 T, 1/32, 1/16 T, 1/32., 1/16, 1/8 T, 1/16., 1/8, 1/4 T, 1/8., 1/4, 1/2 T, 1/4., 1/2, 1/1 T, 1/2., 1/1, 2/1 T, 1/1., 2/1	1/1
Depth	0~127	52
Phase	0~180 [deg], step 2 [deg]	180 deg
Feedback	0~127	10
Flanger		
Filter Type	Off, LPF, HPF	Off
Cutoff Freq	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]	1000 Hz
Pre Delay	0.0~100.0 ms	20.0 ms
Rate Sync	Hz, NOTE	Hz
Rate Hz	0.05~10.00 [Hz], step 0.05 [Hz]	0.10 Hz
Rate Note	1/64 T, 1/64, 1/32 T, 1/32, 1/16 T, 1/32., 1/16, 1/8 T, 1/16., 1/8, 1/4 T, 1/8., 1/4, 1/2 T, 1/4., 1/2, 1/1 T, 1/2., 1/1, 2/1 T, 1/1., 2/1	1/1
Depth	0~127	52
Phase	0~180 [deg], step 2 [deg]	180 deg
Feedback	0~127	60
GM2 Chorus		
Pre LPF	0~7	0
Level	0~127	64
Feedback	0~127	8
Delay	0~127	80
Rate	0~127	3
Depth	0~127	19
Reverb Send	0~127	0

Delay		
L Delay Sync	MSEC, NOTE	NOTE
L Delay msec	0~1000 [msec]	200 msec
L Delay Note	1/64 T, 1/64, 1/32 T, 1/32, 1/16 T, 1/32., 1/16, 1/8 T, 1/16., 1/8, 1/4 T, 1/8., 1/4, 1/2 T, 1/4., 1/2, 1/1 T, 1/2., 1/1, 2/1 T, 1/1., 2/1	1/4
L Level	0~127	32
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass [Hz]	Bypass
C Delay Sync	MSEC, NOTE	NOTE
C Delay msec	0~1000 [msec]	600 msec
C Delay Note	1/64 T, 1/64, 1/32 T, 1/32, 1/16 T, 1/32., 1/16, 1/8 T, 1/16., 1/8, 1/4 T, 1/8., 1/4, 1/2 T, 1/4., 1/2, 1/1 T, 1/2., 1/1, 2/1 T, 1/1., 2/1	1/4
C Level	0~127	32
C Feedback	-98~+98 [%], step 2[%], 0[%] = 49	26%
R Delay Sync	MSEC, NOTE	NOTE
R Delay msec	0~1000 [msec]	400 msec
R Delay Note	1/64 T, 1/64, 1/32 T, 1/32, 1/16 T, 1/32., 1/16, 1/8 T, 1/16., 1/8, 1/4 T, 1/8., 1/4, 1/2 T, 1/4., 1/2, 1/1 T, 1/2., 1/1, 2/1 T, 1/1., 2/1	1/4
R Level	0~127	32

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	127
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	127
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	127
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	6 dB
Level	0~127	127

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	127

09 - Rotary		
Tweeter Slow Rate	0.05~10.0Hz	2.00 Hz
Woofer Slow Rate	0.05~10.0Hz	2.00 Hz
Tweeter Fast Rate	0.05~10.0Hz	8.00 Hz
Woofer Fast Rate	0.05~10.0Hz	8.00 Hz
Rotary Speed	Slow, Fast	Slow
Tweeter Acceleration	0~15	10
Woofer Acceleration	0~15	10
Tweeter Level	0~127	127
Woofer 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	6 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	4.0:1
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	127

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	127

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	127

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

16 - St.Flanger		
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	127

17 - Step Flanger		
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	127

18 - St.Delay		
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	127

19 - Mod Delay		
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

20 - 3 Tap Delay		
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	127

21 - 4 Tap Delay		
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
22 - Time Delay		
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	127
23 - 2Pitch Shift		
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
24 - FBK Pitch		
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
25 - Reverb		
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
26 - Gate Reverb		
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
27 - OD→ Chorus		
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	127
28 - OD→ Flanger		
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	80

29 - OD→ Delay		
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
30 - DST→ Chorus		
Distortion Drive	0~127	127
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
31 - DST→ Flanger		
Distortion Drive	0~127	127
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
32 - DST→ Delay		
Distortion Drive	0~127	127
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
33 - EH→ Chorus		
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	127
34 - EH→ Flanger		
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	127
35 - EH→ Delay		
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
36 - Chorus→ Dly		
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
37 - Flanger→ Dly		
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
38 - Cho → Flanger		
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
39 - Cho / Dly		
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
40 - Flanger / Dly		
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
41 - Cho / Flanger		
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
42 - Isolator		
Boost/Cut Low Level	-60~0~4 [dB]	4 dB
Boost/Cut Mid Level	-60~0~4 [dB]	-3 dB
Boost/Cut High Level	-60~0~4 [dB]	4 dB
Anti Phase Low Sw	OFF, ON	OFF
Anti Phase Low Level	0~127	127
Anti Phase Mid Sw	OFF, ON	OFF
Anti Phase Mid Level	0~127	127
Low Boost Sw	OFF, ON	OFF
Low Boost Level	0~127	64
Level	0~127	110
43 - Low Boost		
Boost Frequency	50, 56, 63, 71, 80, 90, 100, 112, 125 [Hz]	80 Hz
Boost Gain	0~12 [dB]	12 dB
Boost Width	Wide, Mid, Narrow	Wide
EQ Low Gain	-15dB~0~15dB	9 dB
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	70
44 - Super Filter		
Filter Type	LPF, BPF, HPF, NOTCH	HPF
Filter Slope	-12, -24, -36 [dB]	-36 dB
Filter Cutoff	0~127	30
Filter Resonance	0~127	40
Filter Gain	0~12 [dB]	0
Modulation Sw	OFF, ON	ON
Modulation Wave	TRI, SQR, SIN, SAW1, SAW2	TRI

Rate (sync)	Hz, Note	Note
Rate (Hz)	0.05~10.00 [Hz]	0.50 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
Depth	0~127	40
Attack	0~127	50
Level	0~127	127
45 - Step Filter		
Step 1	0~127	60
Step 2	0~127	30
Step 3	0~127	60
Step 4	0~127	30
Step 5	0~127	60
Step 6	0~127	30
Step 7	0~127	60
Step 8	0~127	30
Step 9	0~127	60
Step 10	0~127	60
Step 11	0~127	30
Step 12	0~127	60
Step 13	0~127	60
Step 14	0~127	30
Step 15	0~127	60
Step 16	0~127	30
Rate (sync)	Hz, Note	Note
Rate (Hz)	0.05~10.00 [Hz]	0.50 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
Attack	0~127	50
Filter Type	LPF, BPF, HPF, NOTCH	HPF
Filter Slope	-12, -24, -36 [dB]	-36 dB
Filter Resonance	0~127	40
Filter Gain	0~12 [dB]	0 dB
Level	0~127	127
46 - Humanizer		
Drive Sw	OFF, ON	ON
Drive	0~127	5
Vowel 1	A, E, I, O, U	U
Vowel 2	A, E, I, O, U	A
Rate (sync)	Hz, Note	Hz
Rate (Hz)	0.05~10.00 [Hz]	2.00 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
Depth	0~127	127
Input Sync Sw	OFF, ON	OFF
Input Sync Threshold	0~127	60
Manual	0~100	50
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Panpot	L64~0~63R	0
Level	0~127	127
47 - Speaker Sim		
Speaker Type	Small 1, Small 2, Middle, JC~120, Built-In 1, Built-In 2, Built-In 3, Built-In 4, Built-In 5, BG Stack 1, BG Stack 2, MS Stack 1, MS Stack 2, Metal Stack, 2-Stack, 3-Stack	Built-In 3
Mic Setting	1, 2, 3	2
Mic Level	0~127	127
Direct Level	0~127	0
Level	0~127	127
48 - Step Phaser		
Phaser Mode	4-Stage, 8-Stage, 12-Stage	12-Stage
Phaser Manual	0~127	34
Step Rate (sync)	Hz, Note	Note
Step Rate (Hz)	0.05~10.00 [Hz]	1.50 Hz
Step Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/2T
Depth	0~127	40
Polarity	Inverse, Synchro	Synchro
Resonance	0~127	40
Cross Feedback	-98%~0~+98 %	0 %
Rate (sync)	Hz, Note	Note
Rate (Hz)	0.10~20.00 [Hz]	8.00 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/16
Mix Level	0~127	127
EQ Low Gain	-15dB~0~15dB	0 dB

EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	127
49 - Mlt Phaser		
Phaser Mode	4-Stage, 8-Stage, 12-Stage, 16-Stage, 20-Stage, 24-Stage	
Phaser Manual	0~127	60
Rate (sync)	Hz, Note	Note
Rate (Hz)	0.05~10.00 [Hz]	0.50 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
Depth	0~127	40
Resonance	0~127	40
Mix Level	0~127	127
Panpot	L64~0~63R	0
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	127
50 - Inf Phaser		
Mode	1, 2, 3, 4	4
Speed	-100~100	40
Resonance	0~127	80
Mix Level	0~127	127
Panpot	L64~0~63R	0
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	127
51 - Ring Modul		
Frequency	0~127	60
Sens	0~127	0
Polarity	UP, DOWN	UP
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
52 - Step Ring		
Step 1	0~127	120
Step 2	0~127	60
Step 3	0~127	120
Step 4	0~127	60
Step 5	0~127	90
Step 6	0~127	90
Step 7	0~127	60
Step 8	0~127	90
Step 9	0~127	60
Step 10	0~127	90
Step 11	0~127	60
Step 12	0~127	90
Step 13	0~127	60
Step 14	0~127	60
Step 15	0~127	90
Step 16	0~127	60
Rate (sync)	Hz, Note	Note
Rate (Hz)	0.05~10.00 [Hz]	0.50 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
Attack	0~127	50
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
53 - Tremolo		
Modulation Wave	TRI, SQR, SIN, SAW1, SAW2	TRI
Rate (sync)	Hz, Note	Note
Rate (Hz)	0.05~10.00 [Hz]	4.00 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/8
Depth	0~127	96
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	127
54 - Auto Pan		
Modulation Wave	TRI, SQR, SIN, SAW1, SAW2	TRI
Rate (sync)	Hz, Note	Note
Rate (Hz)	0.05~10.00 [Hz]	4.00 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/8
Depth	0~127	96

EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	127
55 - Step Pan		
Step 1	L64~0~63R	0
Step 2	L64~0~63R	L64
Step 3	L64~0~63R	0
Step 4	L64~0~63R	L64
Step 5	L64~0~63R	0
Step 6	L64~0~63R	63R
Step 7	L64~0~63R	0
Step 8	L64~0~63R	63R
Step 9	L64~0~63R	0
Step 10	L64~0~63R	L64
Step 11	L64~0~63R	63R
Step 12	L64~0~63R	L64
Step 13	L64~0~63R	0
Step 14	L64~0~63R	63R
Step 15	L64~0~63R	L64
Step 16	L64~0~63R	63R
Rate (sync)	Hz, Note	Note
Rate (Hz)	0.05~10.00 [Hz]	0.25 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	2/1
Attack	0~127	50
Input Sync Sw	OFF, ON	OFF
Input Sync Threshold	0~127	60
Level	0~127	127
56 - Slicer		
Step 1	0~127	127
Step 2	0~127	0
Step 3	0~127	0
Step 4	0~127	0
Step 5	0~127	0
Step 6	0~127	0
Step 7	0~127	127
Step 8	0~127	0
Step 9	0~127	0
Step 10	0~127	0
Step 11	0~127	127
Step 12	0~127	0
Step 13	0~127	0
Step 14	0~127	127
Step 15	0~127	0
Step 16	0~127	0
Rate (sync)	Hz, Note	Hz
Rate (Hz)	0.05~10.00 [Hz]	2.00 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
Attack	0~127	50
Input Sync Sw	OFF, ON	OFF
Input Sync Threshold	0~127	60
Mode	Legato, Slash	Legato
Shuffle	0~127	0
Level	0~127	127
57 - VK Rotary		
Speed	Slow, Fast	Slow
Brake	OFF, ON	OFF
Woofer Slow Speed	0.05~10.0Hz	2.00 Hz
Woofer Fast Speed	0.05~10.0Hz	8.00 Hz
Woofer Trans Up	0~127	64
Woofer Trans Down	0~127	64
Woofer Level	0~127	127
Tweeter Slow Speed	0.05~10.0Hz	2.00 Hz
Tweeter Fast Speed	0.05~10.0Hz	8.00 Hz
Tweeter Trans Up	0~127	64
Tweeter Trans Down	0~127	64
Tweeter Level	0~127	127
Spread	0~10	10
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	127
58 - 3D Chorus		
Filter Type	OFF, LPF, HPF	HPF
Cutoff Frequency	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000[Hz]	800 Hz
Chorus Pre Delay	0.0~100.0 ms	2.0 ms
Rate (sync)	Hz, Note	Hz

Rate (Hz)	0.05~10.00 [Hz]	0.50 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
Depth	0~127	20
Phase	0~180 deg	180 deg
Output Mode	Speaker, Phones	Speaker
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

59 - 3D Flanger		
Filter Type	OFF, LPF, HPF	HPF
Cutoff Frequency	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000[Hz]	800 Hz
Pre Delay	0.0~100.0 ms	2.0 ms
Rate (sync)	Hz, Note	Note
Rate (Hz)	0.05~10.00 [Hz]	0.50 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
Depth	0~127	40
Phase	0~180 deg	180 deg
Feedback	-98%~0~+98 %	60 %
Output Mode	Speaker, Phones	Speaker
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

60 - 3D Step Flgr		
Filter Type	OFF, LPF, HPF	HPF
Cutoff Frequency	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000[Hz]	800 Hz
Pre Delay	0.0~100.0 ms	2.0 ms
Rate (sync)	Hz, Note	Note
Rate (Hz)	0.05~10.00 [Hz]	1.50 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/2T
Depth	0~127	40
Phase	0~180 deg	180 deg
Feedback	-98%~0~+98 %	60 %
Step Rate (sync)	Hz, Note	Note
Step Rate (Hz)	0.10~20.00 [Hz]	8.00 Hz
Step Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/16
Output Mode	Speaker, Phones	Speaker
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

61 - Band Chorus		
Split Frequency	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000[Hz]	800 Hz
Low Pre Delay	0.0~100.0 ms	4.0 ms
Low Rate (sync)	Hz, Note	Hz
Low Rate (Hz)	0.05~10.00 [Hz]	0.25 Hz
Low Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	2/1
Low Depth	0~127	20
Low Phase	0~180 deg	180 deg
High Pre Delay	0.0~100.0 ms	1.0 ms
High Rate (sync)	Hz, Note	Hz
High Rate (Hz)	0.05~10.00 [Hz]	0.50 Hz
High Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
High Depth	0~127	20
High Phase	0~180 deg	180 deg
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127

62 - Band Flanger		
Split Frequency	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000[Hz]	800 Hz
Low Pre Delay	0.0~100.0 ms	4.0 ms
Low Rate (sync)	Hz, Note	Note

Low Rate (Hz)	0.05~10.00 [Hz]	0.25 Hz
Low Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	2/1
Low Depth	0~127	40
Low Phase	0~180 deg	180 deg
Low Feedback	-98%~0~+98 %	60 %
High Pre Delay	0.0~100.0 ms	1.0 ms
High Rate (sync)	Hz, Note	Note
High Rate (Hz)	0.05~10.00 [Hz]	0.50 Hz
High Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
High Depth	0~127	40
High Phase	0~180 deg	180 deg
High Feedback	-98%~0~+98 %	40 %
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127

63 - Band Step Flg		
Split Frequency	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000[Hz]	800 Hz
Low Pre Delay	0.0~100.0 ms	4.0 ms
Low Rate (sync)	Hz, Note	Note
Low Rate (Hz)	0.05~10.00 [Hz]	3.00 Hz
Low Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/4T
Low Depth	0~127	40
Low Phase	0~180 deg	180 deg
Low Feedback	-98%~0~+98 %	60 %
Low Step Rate (sync)	Hz, Note	Note
Low Step Rate (Hz)	0.10~20.00 [Hz]	4.00 Hz
Low Step Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/8
High Pre Delay	0.0~100.0 ms	1.0 ms
High Rate (sync)	Hz, Note	Note
High Rate (Hz)	0.10~20.00 [Hz]	1.50 Hz
High Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/2T
High Depth	0~127	40
High Phase	0~180 deg	180 deg
High Feedback	-98%~0~+98 %	40 %
High Step Rate (sync)	Hz, Note	Note
High Step Rate (Hz)	0.05~10.00 [Hz]	8.00 Hz
High Step Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/16
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127

64 - VS Overdrive		
Drive	0~127	127
Tone	0~127	50
Amplifier Sw	OFF, ON	ON
Amplifier 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
Panpot	L64~0~63R	0
Level	0~127	127

65 - VS Distortion		
Drive	0~127	127
Tone	0~127	50
Amp Sw	OFF, ON	ON
Amplifier 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
Panpot	L64~0~63R	0
Level	0~127	127

66 - Gt Amp Simul		
Pre Amp Sw	OFF, ON	ON
Pre Amp Type	JC~120, Clean Twin, Match Drive, BG Lead, MS1959I, MS1959II, MS1959I+II, Sldn Lead, Metal 5150, Metal Lead, OD~1, OD~2 Turbo, Distortion, Fuzz	Clean Twin
Pre Amp Volume	0~127	80
Pre Amp Master	0~127	100
Pre Amp Gain	Low, Middle, High	Middle
Pre Amp Bass	0~127	64
Pre Amp Middle	0~127	64
Pre Amp Treble	0~127	64

Pre Amp Presence	0~127 (Match Drive -127~0)	0
Pre Amp Bright	OFF, ON	OFF
Speaker Sw	OFF, ON	ON
Speaker Type	Small 1, Small 2, Middle, JC-120, Built-In 1, Built-In 2, Built-In 3, Built-In 4, Built-In 5, BG Stack 1, BG Stack 2, MS Stack 1, MS Stack 2, Metal Stack, 2-Stack, 3-Stack	Built-In 1
Mic Setting	1, 2, 3	2
Mic Level	0~127	127
Direct Level	0~127	0
Panpot	L64~0~63R	0
Level	0~127	127
67 - Gate		
Threshold	0~127	70
Mode	Gate, Duck	Gate
Attack	0~127	8
Hold	0~127	0
Release	0~127	16
Balance	D100:0W, D50:50W, D0:100W	D0:100W
Level	0~127	127
68 - Long Delay		
Delay Time (sync)	msec, note	note
Delay Time (msec)	0~2600 [msec]	2600 msec
Delay Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/2
Phase	Normal, Inverse	Normal
Feedback	-98%~0~+98 %	20 %
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	127
69 - Serial Delay		
Delay 1 Time (sync)	msec, note	note
Delay 1 Time (msec)	0~1300 [msec]	150 msec
Delay 1 Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/16
Delay 1 Feedback	-98%~0~+98 %	40 %
Delay 1 HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay 2 Time (sync)	msec, note	note
Delay 2 Time (msec)	0~1300 [msec]	600 msec
Delay 2 Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/4
Delay 2 Feedback	-98%~0~+98 %	40 %
Delay 2 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	127
70 - Mlt Tap Dly		
Delay 1 Time (sync)	msec, note	note
Delay 1 Time (msec)	0~2600 [msec]	1200 msec
Delay 1 Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/4
Delay 2 Time (sync)	msec, note	note
Delay 2 Time (msec)	0~2600 [msec]	900 msec
Delay 2 Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/8
Delay 3 Time (sync)	msec, note	note
Delay 3 Time (msec)	0~2600 [msec]	600 msec
Delay 3 Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/2
Delay 4 Time (sync)	msec, note	note
Delay 4 Time (msec)	0~2600 [msec]	300 msec
Delay 4 Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/8
Delay 1 Feedback	-98%~0~+98 %	20 %

HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay 1 Panpot	L64~0~63R	L64
Delay 2 Panpot	L64~0~63R	63R
Delay 3 Panpot	L64~0~63R	L53
Delay 4 Panpot	L64~0~63R	53R
Delay 1 Level	0~127	127
Delay 2 Level	0~127	127
Delay 3 Level	0~127	127
Delay 4 Level	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	D75:25W
Level	0~127	
71 - Reverse Dly		
Threshold	0~127	30
Rev Delay Time (sync)	msec, note	note
Rev Delay Time (msec)	0~1300 [msec]	600 ms
Rev Delay Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/4
Rev Delay Feedback	-98%~0~+98 %	0 %
Rev Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Rev Delay Panpot	L64~0~63R	0
Rev Delay Level	0~127	127
Delay 1 Time (sync)	msec, note	note
Delay 1 Time (msec)	0~1300 [msec]	300 ms
Delay 1 Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/8
Delay 2 Time (sync)	msec, note	note
Delay 2 Time (msec)	0~1300 [msec]	600 ms
Delay 2 Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/4
Delay 3 Time (sync)	msec, note	note
Delay 3 Time (msec)	0~1300 [msec]	600 ms
Delay 3 Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/4
Delay 3 Feedback	-98%~0~+98 %	0 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay 1 Panpot	L64~0~63R	L64
Delay 2 Panpot	L64~0~63R	63R
Delay 1 Level	0~127	0
Delay 2 Level	0~127	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
72 - Shuffle Dly		
Delay Time (sync)	msec, note	note
Delay Time (msec)	0~2600 [msec]	600 ms
Delay Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/4
Shuffle Rate	0~100 %	67 %
Acceleration	0~15	10
Feedback	-98%~0~+98 %	20 %
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Panpot A	L64~0~63R	L64
Panpot B	L64~0~63R	63R
Level A	0~127	127
Level B	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	127
73 - 3D Delay		
Delay Left (sync)	msec, note	note
Delay Left (msec)	0~2600 [msec]	400 ms
Delay Left (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/4T
Delay Right (sync)	msec, note	note
Delay Right (msec)	0~2600 [msec]	800 ms

Delay Right (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/2T
Delay Center (sync)	msec, note	note
Delay Center (msec)	0~2600 [msec]	1200 ms
Delay Center (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/2
Center Feedback	-98%~0~+98 %	20 %
HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Left Level	0~127	64
Right Level	0~127	64
Center Level	0~127	40
Output Mode	Speaker, Phones	Speaker
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
74 - Long Time Dly		
Delay Time (sync)	msec, note	note
Delay Time (msec)	0~2600 [msec]	2600 ms
Delay Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/2
Acceleration	0~15	10
Feedback	-98%~0~+98 %	20 %
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	127
75 - Tape Echo		
Mode	S, M, L, S+M, S+L, M+L, S+M+L	S+M+L
Repeat Rate	0~127	64
Intensity	0~127	64
Bass	-15dB~0~15dB	0 dB
Treble	-15dB~0~15dB	0 dB
Head S Pan	L64~0~63R	0
Head M Pan	L64~0~63R	0
Head L Pan	L64~0~63R	0
Tape Distortion	0~5	0
Wow/Flutter Rate	0~127	20
Wow/Flutter Depth	0~127	20
Echo Level	0~127	64
Direct Level	0~127	127
Level	0~127	127
76 - LoFi Noise		
LoFi Type	1, 2, 3, 4, 5, 6, 7, 8, 9	5
Post Filter Type	OFF, LPF, HPF	LPF
Post Filter Cutoff	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	4000 Hz
W/P Noise Type	White, Pink	White
W/P Noise LPF	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	2000 Hz
W/P Noise Level	0~127	5
Disc Noise Type	LP, EP, SP, RND	RND
Disc Noise LPF	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	2000 Hz
Disc Noise Level	0~127	5
Hum Noise Type	50, 60 [Hz]	50 Hz
Hum Noise LPF	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	2000 Hz
Hum Noise Level	0~127	5
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D0:100W
Level	0~127	127
77 - LoFi Comp		
Pre Filter Type	1, 2, 3, 4, 5, 6	2
LoFi Type	1, 2, 3, 4, 5, 6, 7, 8, 9	5
Post Filter Type	OFF, LPF, HPF	LPF

Post Filter Cutoff	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	4000 Hz
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D0:100W
Level	0~127	70
78 - LoFi Radio		
LoFi Type	1, 2, 3, 4, 5, 6, 7, 8, 9	5
Post Filter Type	OFF, LPF, HPF	LPF
Post Filter Cutoff	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	4000 Hz
Radio Detune	0~127	1
Radio Noise Level	0~127	64
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D0:100W
Level	0~127	127
79 - Telephone		
Voice Quality	0~15	3
Treble	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D0:100W
Level	0~127	127
80 - Phonograph		
Signal Distortion	0~127	10
Frequency Range	0~127	30
Disc Type	LP, EP, SP	LP
Scratch Noise Level	0~127	64
Dust Noise Level	0~127	64
Hiss Noise Level	0~127	64
Total Noise Level	0~127	6
Wow	0~127	80
Flutter	0~127	80
Random	0~127	80
Total Wow/Flutter	0~127	64
Balance	D100:0W, D50:50W, D0:100W	D0:100W
Level	0~127	127
81 - Step Pitch		
Step 1	-24~0~12 [semi]	2 semi
Step 2	-24~0~12 [semi]	0 semi
Step 3	-24~0~12 [semi]	0 semi
Step 4	-24~0~12 [semi]	0 semi
Step 5	-24~0~12 [semi]	3 semi
Step 6	-24~0~12 [semi]	0 semi
Step 7	-24~0~12 [semi]	0 semi
Step 8	-24~0~12 [semi]	3 semi
Step 9	-24~0~12 [semi]	0 semi
Step 10	-24~0~12 [semi]	3 semi
Step 11	-24~0~12 [semi]	0 semi
Step 12	-24~0~12 [semi]	3 semi
Step 13	-24~0~12 [semi]	0 semi
Step 14	-24~0~12 [semi]	0 semi
Step 15	-24~0~12 [semi]	2 semi
Step 16	-24~0~12 [semi]	0 semi
Rate (sync)	Hz, Note	Note
Rate (Hz)	0.05~10.00 [Hz]	0.50 Hz
Rate (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
Attack	0~127	100
Gate Time	0~127	100
Fine	-100~100	0 cent
Delay Time (sync)	msec, note	msec
Delay Time (msec)	0~1300 [msec]	0 ms
Delay Time (note)	1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1/1T, 1/2., 1/1, 2/1T, 1/1., 2/1	1/1
Feedback	-98%~0~+98 %	0 %
EQ Low Gain	-15dB~0~15dB	0 dB
EQ C1834High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D0:100W
Level	0~127	127
82 - Sympa Reso		
Depth	0~127	80
Damper	0~127	0
Pre LPF	16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12500, 15000, Bypass	5000 Hz

Pre HPF	Bypass, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12500, 15000 [Hz]	Bypass
Peaking Freq	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	250 Hz
Peaking Gain	-15dB~0~15dB	6 dB
Peaking Q	0.5, 1.0, 2.0, 4.0, 8.0	0.5
HF Damp	16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12500, 15000, Bypass[Hz]	3150 Hz
LF Damp	Bypass, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12500, 15000 [Hz]	200 Hz
Lid	6, 5, 4, 3, 2, 1	1
EQ Low Freq	200, 400 [Hz]	200 Hz
EQ Low Gain	-15dB~0~15dB	6 dB
EQ Mid Freq	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000	1000 Hz
EQ Mid Gain	-15dB~0~15dB	0 dB
EQ Mid Q	0.5, 1.0, 2.0, 4.0, 8.0	0.5
EQ High Freq	2000, 4000, 8000 [Hz]	4000 Hz
EQ High Gain	-15dB~0~15dB	0 dB
Level	0~127	127
83 - Vib OD Rotary		
Vibrato Cho Switch	OFF, ON	
Vibrato Cho Type	V-1, V-2, V-3, C-1, C-2, C-3	C-3
Vibrato Cho Vintage	50, '60, '70	'60
Vibrato Cho Level	0~127	127
Overdrive Switch	OFF, ON	OFF
Overdrive Drive	0~127	64
Overdrive Level	0~127	127
Rotary Switch	OFF, ON	ON
Rotary Speed	Slow, Fast	Slow
Woofers Slow Speed	0.05~10.00 [Hz]	2.00 Hz
Woofers Fast Speed	0.05~10.00 [Hz]	8.00 Hz
Woofers Acceleration	0~15	10
Woofers Level	0~127	127
Tweeters Slow Speed	0.05~10.00 [Hz]	2.00 Hz
Tweeters Fast Speed	0.05~10.00 [Hz]	8.00 Hz
Tweeters Acceleration	0~15	10
Tweeters Level	0~127	127
Rotary Separation	0~127	100
Rotary Level	0~127	127
84 - Center Canc		
L-R Balance	-50~0~50	0
Range Low	16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12500, 15000 [Hz]	200 Hz
Range High	16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12500, 15000 [Hz]	3150 Hz

Multi-FX Part Assign

Upper 1	Off, On	On
Upper 2	Off, On	Off
Upper 3	Off, On	Off
Lower 1	Off, On	Off
Lower 2	Off, On	Off
MBass	Off, On	Off
M.Intelligent	Off, On	Off
D Beam	Off, On	Off

Realtime EQ Part edit

Parameter	Default
Same parameters for all Keyboard parts (Upper 1, Upper 2, Upper 3, Lower 1, Lower 2, MBass)	
Hi Freq Hz	1500, 2000, 3000, 4000, 6000, 8000, 12000 [Hz]
Hi Gain dB	-15 ~ +15 [dB], step1[dB]
Mid Freq Hz	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]
Mid Q	0.5, 1.0, 2.0, 4.0, 8.0
Mid Gain dB	-15 ~ +15 [dB], step1[dB]
Lo Freq Hz	90, 150, 180, 300, 360, 600 [Hz]
Lo Gain dB	-15 ~ +15 [dB], step1[dB]

I-FX Audio Input

Effects See pages 25-33 for the effect algorithms.

Style/Song effect

Reverb effects: see "Keyboard Part effects - Reverb" on p. 24

Chorus effect: see "Keyboard Part effects - Chorus" on p. 25

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
Singer Key	High Note C2 (36)~C6 (96)	
	Low Note C2 (36)~C6 (96)	
	Preset Original, Male, Female, 1~4	Original
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	

Harmonic Bars

Registration	Memory	1~8
Harmonic Bar Effects		
Overdrive	On, Off	
Overdrive Level	0~127	
Leakage	0~127	
Vibrato&Chorus	On, Off	
Vibr&Chor Type	V1,C1,V2,C2,V3,C3	
Rotary Sound	Slow, Fast	

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
Fade IN/OUT		
Time IN	0~20 seconds	8 sec
Time OUT	0~20 seconds	14 sec
Time Hold	0~10 seconds	2 sec
Metronome		
Volume	Low, Medium, High	Medium
Count-IN	Off, 1Bar, 2Bar	Off
Mode	Always, Play, Rec	Always
Metro Internal	On, Off	On
Minus One		
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
Harmonist	Status	On, Off	Off
Transpose	Status	On, Off	Off
KBD Mode	Status	On, Off	Off
Bass Inversion	Status	On, Off	Off

Foot Controllers

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 HB S/F, Rotary HB On/Off, Scale Upper, Scale Lower, Arr Chord Off, User PrgUp, User PrgDown, Punch In-Out, Portamento, Soft, Sostenuto, Hold, Hold Lower 1, Hold Lower 2, Hold Lower 1~2, Talk, Harm On-Off, Minus One, Kbd Ex UP 2~1, Kbd Ex LW 2~1, Break Mute	Start/Stop

FC-7 Parameters

Switch	1~7	
Assign	Start/Stop, Intro, Variat 1, Variat 2, Variat 3, Variat 4, Ending, MBass /KBD Arranger, Piano/Standard, Half Bar on Fill In, Arr Chord Off, Arranger Hold, Dynamic Arranger, Arranger RIT Tempo, Arranger ACC Tempo, Arranger Default Tempo, Reset/Start Tempo, Tap Tempo, Bass Inversion, Melody Intelligent, Scale Upper, Scale Lower, Keyboard Exchange UP 2/1, Keyboard Exchange LW 2/1, Punch In/Out, Portamento, Soft, Sostenuto, Hold, Hold Lower 1, Hold Lower 2, Hold Lower 1~2, Rotary Slow/Fast, Rotary On/Off, User Program Up, User Program Down, Play/Stop Song, Talk, Harmony On/Off, Minus One [for each switch], Break Mute, Viewer Page Up, Viewer Page Down	1 Start/Stop, 2 Intro, 3 Variat 1, 4 Variat 2, 5 Variat 3, 6 Variat 4, 7 Ending

Utility

Startup		
User Program	P1~P18, 1~8, name	
Recall	On, Off	Off
MIDI Set	1~8	
Recall	On, Off	Off
Sound Set Mode	Best Selection, Extended	Best Selection
Global Player		
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		
Touch Screen Beep	On, Off	On
Flashing EXIT	On, Off	On
Flashing Metronome	On, Off	On
Global Keyboard		
Upper 1 M-FX Link	On, Off	On
Harmonist 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	None	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		
Zoom	Small, BigSmall	
Lyrics Colour:	Red	0~255
	Green	0~255
	Blue	0~255

Background Colour:	Red	0~255	255
	Green	0~255	255
	Blue	0~255	255
Video Output Standard	PAL, NTSC		PAL
Colour Preset	1~6		6
Score			
Zoom	Small, Big		Small
Pitch	Off, C-D-E, Do-Re-Mi		Off
Drum Range	Filter, Full		Full
Staff 1	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
Staff 2:	Track	1~16	3
	Key	C, C#, D, Eb, E, F, F#, G, Ab, A, Bb, B	C
	Clef	G Clef, F Clef	F Clef
Viewer			
Text Colour			
Red	0 ~ 255		0
Green	0 ~ 255		0
Blue	0 ~ 255		0
Background Colour			
Red	0 ~ 255		255
Green	0 ~ 255		255
Blue	0 ~ 255		255
Video Output Standard	PAL, NTSC		PAL*
Video Out Source	LYRICS, VIEWER		LYRICS*
Page Turner	Off, 60~600		Off
Colour Preset	1 ~ 8		1

* Same for Lyrics and Viewer

Vocal Harmonist

MIC Input			
Sustain Level	0~15		7
Threshold	0~15		15
Output Level	0~96		75
Compressor	On, Off		On
Gate	On, Off		On
Voice Talk			
Music Mute	-99~0		-60

Speaker Modeling

Param	Range		
Speaker Modeling	01-Thru, 02-Super Flat, 03-Powered Generic, 04-Powered E-Bass, 05-Powered Mack, 06-Small Cube, 07-White Cone, 08-White Cone+T, 09-Small Radio, 10-Small TV, 11-Boom Box, 12-Boom Box Low		Thru
Internal Speaker	Off, Low, High		Low

Mastering Tools Keyboard Equalizer

EQ Switch	Off, On		On
EQ Level	0~127		127
EQ Gain	-15~+15 [dB], step1[dB]		0 dB
01 - Flat			
Hi Freq Hz	2000, 4000, 8000 [Hz]		4000 Hz
Hi Gain dB	-15~+15 [dB], step1[dB]		0 dB
Mid Freq Hz	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]		1000 Hz
Mid Q	0.5, 1.0, 2.0, 4.0, 8.0		0.5
Mid Gain dB	-15~+15 [dB], step1[dB]		0 dB
Lo Freq Hz	50, 80, 100, 150, 200, 250, 300, 400 [Hz]		200 Hz
Lo Gain dB	-15~+15 [dB], step1[dB]		0 dB
02 - Rock			
Hi Freq Hz	2000, 4000, 8000 [Hz]		4000 Hz
Hi Gain dB	-15~+15 [dB], step1[dB]		+6 dB
Mid Freq Hz	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]		1000 Hz
Mid Q	0.5, 1.0, 2.0, 4.0, 8.0		0.5
Mid Gain dB	-15~+15 [dB], step1[dB]		0 dB
Lo Freq Hz	200, 400 [Hz]		400 Hz
Lo Gain dB	-15~+15 [dB], step1[dB]		+3 dB
03 - Pop			
Hi Freq Hz	2000, 4000, 8000 [Hz]		4000 Hz
Hi Gain dB	-15~+15 [dB], step1[dB]		+9 dB
Mid Freq Hz	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]		1000 Hz
Mid Q	0.5, 1.0, 2.0, 4.0, 8.0		0.5

Mid Gain dB	-15~+15 [dB], step1[dB]		0 dB
Lo Freq Hz	200, 400 [Hz]		400 Hz
Lo Gain dB	-15~+15 [dB], step1[dB]		+9 dB
4 - Jazz			
Hi Freq Hz	2000, 4000, 8000 [Hz]		4000 Hz
Hi Gain dB	-15~+15 [dB], step1[dB]		+3 dB
Mid Freq Hz	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]		1000 Hz
Mid Q	0.5, 1.0, 2.0, 4.0, 8.0		0.5
Mid Gain dB	-15~+15 [dB], step1[dB]		0 dB
Lo Freq Hz	200, 400 [Hz]		400 Hz
Lo Gain dB	-15~+15 [dB], step1[dB]		+6 dB
05 - Classic			
Hi Freq Hz	2000, 4000, 8000 [Hz]		4000 Hz
Hi Gain dB	-15~+15 [dB], step1[dB]		-3 dB
Mid Freq Hz	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]		1000 Hz
Mid Q	0.5, 1.0, 2.0, 4.0, 8.0		0.5
Mid Gain dB	-15~+15 [dB], step1[dB]		0 dB
Lo Freq Hz	200, 400 [Hz]		400 Hz
Lo Gain dB	-15~+15 [dB], step1[dB]		-3 dB
06 - Standard (Default)			
Hi Freq Hz	2000, 4000, 8000 [Hz]		8000 Hz
Hi Gain dB	-15~+15 [dB], step1[dB]		+2 dB
Mid Freq Hz	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]		2500 Hz
Mid Q	0.5, 1.0, 2.0, 4.0, 8.0		4.0
Mid Gain dB	-15~+15 [dB], step1[dB]		-2 dB
Lo Freq Hz	200, 400 [Hz]		200 Hz
Lo Gain dB	-15~+15 [dB], step1[dB]		+2 dB
07 - User			
Hi Freq Hz	2000, 4000, 8000 [Hz]		4000 Hz
Hi Gain dB	-15~+15 [dB], step1[dB]		0 dB
Mid Freq Hz	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]		1000 Hz
Mid Q	0.5, 1.0, 2.0, 4.0, 8.0		0.5
Mid Gain dB	-15~+15 [dB], step1[dB]		0 dB
Lo Freq Hz	200, 400 [Hz]		400 Hz
Lo Gain dB	-15~+15 [dB], step1[dB]		0 dB

Compressor

BC Switch	Off, On		On
BC Level	0~127		120
BC Gain dB	-24~+24[dB], step 1[dB]		0 dB
01 - Hard Comp			
Split 1	200, 250, 315, 400, 500, 630, 800 [Hz]		250 Hz
Split 2	2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]		8000 Hz
Lo Attack	0~100 ms		53 ms
Lo Release	50~5000 ms		199 ms
Lo Thrshld	-36~0 [dB], step 1[dB]		-20 dB
Lo Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF		1:INF
Lo Level A	-24~+24[dB], step 1[dB]		+4 dB
Mid Attack	0~100 ms		30 ms
Mid Release	50~5000 ms		151 ms
Mid Thrshld	-36~0 [dB], step 1[dB]		-22 dB
Mid Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF		1:16
Mid Level B	-24~+24[dB], step 1[dB]		+4 dB
Hi Attack	0~100 ms		20 ms
Hi Release	50~5000 ms		50 ms
Hi Thrshld	-36~0 [dB], step 1[dB]		-36 dB
Hi Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF		1:16
Hi Level C	-24~+24[dB], step 1[dB]		+3 dB
02 - Soft Comp			
Split 1	200, 250, 315, 400, 500, 630, 800 [Hz]		250 Hz
Split 2	2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]		5000 Hz
Lo Attack	0~100 ms		90 ms
Lo Release	50~5000 ms		301 ms
Lo Thrshld	-36~0 [dB], step 1[dB]		-30 dB
Lo Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF		1:4.0
Lo Level A	-24~+24[dB], step 1[dB]		+5 dB
Mid Attack	0~100 ms		50 ms
Mid Release	50~5000 ms		130 ms
Mid Thrshld	-36~0 [dB], step 1[dB]		-20 dB
Mid Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF		1:2.0
Mid Level B	-24~+24[dB], step 1[dB]		+2 dB
Hi Attack	0~100 ms		20 ms

Hi Release	50-5000 ms	50 ms
Hi Thrshld	-36-0 [dB], step 1[dB]	-36 dB
Hi Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:16
Hi Level C	-24~+24[dB], step 1[dB]	+2 dB
03 - Low Boost		
Split 1	200, 250, 315, 400, 500, 630, 800 [Hz]	400 Hz
Split 2	2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]	5000 Hz
Lo Attack	0-100 ms	60 ms
Lo Release	50-5000 ms	151 ms
Lo Thrshld	-36-0 [dB], step 1[dB]	-20 dB
Lo Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:16
Lo Level A	-24~+24[dB], step 1[dB]	+8 dB
Mid Attack	0-100 ms	30 ms
Mid Release	50-5000 ms	151 ms
Mid Thrshld	-36-0 [dB], step 1[dB]	-22 dB
Mid Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:16
Mid Level B	-24~+24[dB], step 1[dB]	+3 dB
Hi Attack	0-100 ms	20 ms
Hi Release	50-5000 ms	50 ms
Hi Thrshld	-36-0 [dB], step 1[dB]	-36 dB
Hi Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:8.0
Hi Level C	-24~+24[dB], step 1[dB]	+4 dB
04 - Mid Boost		
Split 1	200, 250, 315, 400, 500, 630, 800 [Hz]	250 Hz
Split 2	2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]	8000 Hz
Lo Attack	0-100 ms	53 ms
Lo Release	50-5000 ms	199 ms
Lo Thrshld	-36-0 [dB], step 1[dB]	-20 dB
Lo Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:INF
Lo Level A	-24~+24[dB], step 1[dB]	+4 dB
Mid Attack	0-100 ms	30 ms
Mid Release	50-5000 ms	151 ms
Mid Thrshld	-36-0 [dB], step 1[dB]	-22 dB
Mid Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:16
Mid Level B	-24~+24[dB], step 1[dB]	+8 dB
Hi Attack	0-100 ms	20 ms
Hi Release	50-5000 ms	50 ms
Hi Thrshld	-36-0 [dB], step 1[dB]	-36 dB
Hi Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:16
Hi Level C	-24~+24[dB], step 1[dB]	+3 dB
05 - High Boost		
Split 1	200, 250, 315, 400, 500, 630, 800 [Hz]	400 Hz
Split 2	2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]	3150 Hz
Lo Attack	0-100 ms	60 ms
Lo Release	50-5000 ms	151 ms
Lo Thrshld	-36-0 [dB], step 1[dB]	-20 dB
Lo Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:16
Lo Level A	-24~+24[dB], step 1[dB]	+4 dB
Mid Attack	0-100 ms	30 ms
Mid Release	50-5000 ms	151 ms
Mid Thrshld	-36-0 [dB], step 1[dB]	-22 dB
Mid Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:16
Mid Level B	-24~+24[dB], step 1[dB]	+3 dB
Hi Attack	0-100 ms	30 ms
Hi Release	50-5000 ms	50 ms
Hi Thrshld	-36-0 [dB], step 1[dB]	-36 dB
Hi Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:16
Hi Level C	-24~+24[dB], step 1[dB]	+10 dB
06 - Standard (Default)		
Split 1	200, 250, 315, 400, 500, 630, 800 [Hz]	315 Hz
Split 2	2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]	6300 Hz
Lo Attack	0-100 ms	51 ms
Lo Release	50-5000 ms	151 ms
Lo Thrshld	-36-0 [dB], step 1[dB]	-11 dB
Lo Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:8.0
Lo Level A	-24~+24[dB], step 1[dB]	+6 dB
Mid Attack	0-100 ms	32 ms
Mid Release	50-5000 ms	151 ms
Mid Thrshld	-36-0 [dB], step 1[dB]	-22 dB
Mid Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:8.0

Mid Level B	-24~+24[dB], step 1[dB]	-2 dB
Hi Attack	0-100 ms	30 ms
Hi Release	50-5000 ms	151 ms
Hi Thrshld	-36-0 [dB], step 1[dB]	-36 dB
Hi Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:8.0
Hi Level C	-24~+24[dB], step 1[dB]	+6 dB
07 - User		
Split 1	200, 250, 315, 400, 500, 630, 800 [Hz]	250 Hz
Split 2	2000, 2500, 3150, 4000, 5000, 6300, 8000 [Hz]	5000 Hz
Lo Attack	0-100 ms	90 ms
Lo Release	50-5000 ms	301 ms
Lo Thrshld	-36-0 [dB], step 1[dB]	-30 dB
Lo Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:4.0
Lo Level A	-24~+24[dB], step 1[dB]	+5 dB
Mid Attack	0-100 ms	50 ms
Mid Release	50-5000 ms	190 ms
Mid Thrshld	-36-0 [dB], step 1[dB]	-20 dB
Mid Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:2.0
Mid Level B	-24~+24[dB], step 1[dB]	+2 dB
Hi Attack	0-100 ms	20 ms
Hi Release	50-5000 ms	50 ms
Hi Thrshld	-36-0 [dB], step 1[dB]	-36 dB
Hi Ratio	1:1.0, 1:1.1, 1:1.2, 1:1.4, 1:1.6, 1:1.8, 1:2.0, 1:2.5, 1:3.2, 1:4.0, 1:5.6, 1:8.0, 1:16, 1:INF	1:16
Hi Level C	-24~+24[dB], step 1[dB]	+2 dB

Mastering Tools Style/Song
See "Equalizer" and "Compressor" on p. 35.

6. MIDI parameters

Easy Setting

Parameter		Setting range	Default
Select	Keyboard & Style Parts	On, Off	On
	Song Parts	On, Off	Off
Output	MIDI	On, Off	On
	USB	On, Off	Off
Mode	Local On	On, Off	On
	Local Off	On, Off	Off
MIDI Set	MIDI Set	1-8	None

Keyboard Part Edit (same parameters for all Keyboard parts)

Parameter		Setting range	Default
Channel TX		1-16	Upper1= 4, Upper2= 6 Upper3= 13, Lower1= 11 Lower2= 14, MBass= 12 Mel Int= 15
Shift TX		-48-0-48	0
Local		On, Off	On
Channel RX		1-16	Upper1= 4, Upper2= 6 Upper3= 13, Lower1= 11 Lower2= 14, 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

TX Event			
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 101-100-06	On, Off	On
NRPN	CC 99-98-06	On, Off	On
System Exclusive		On, Off	On
CC 16	CC 16	On, Off	On

RX Event			
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 101-100-06	On, Off	On
NRPN	CC 99-98-06	On, Off	On
System Exclusive		On, Off	On
CC 16	CC 16	On, Off	On

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

TX Event			
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
Reverb send	CC 91	On, Off	On
Chorus send	CC 93	On, Off	On

RX Event			
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 channel number
Shift TX		-48-0-48	0
Local		On, Off	On
Channel RX		1-16	Part number= MIDI channel 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

TX Event			
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

RX Event			
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

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		On
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
V-Harm			
Channel TX	1-16		16
Part Switch TX	On, Off		Off
Channel RX	1-16		16
Part Switch RX	On, Off		Off

