

Roland®

# **G-70**

## **MUSIC WORKSTATION**



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# 1. Tone List

Piano	CC00	CC32	PC C1
P1 The Grand X	80	4	1
Stereo Piano	47	4	1
St.BritePno	46	4	1
UprightPiano	1	4	1
Canvas Piano	127	2	1
Piano+Str.1	24	4	1
Piano+Choir1	26	4	1
StackedPiano	47	4	3
Piano 3	0	4	3
Honky-tonk	0	4	4
P2 Piano 1	0	4	1
Piano 2	0	4	2
Pop Piano	1	4	2
Rock Piano	2	4	2
Dance Piano	16	4	2
Piano+Str.2	25	4	1
Piano+Choir2	27	4	1
Mild Piano	2	4	1
Comp Piano	80	4	2 ✓
European Pf	16	4	1
P3 Piano 1 w	8	4	1
Piano 2 w	8	4	2
Piano 3 w	8	4	3
Rock Piano w	9	4	2
Mild Piano w	9	4	1
Dance Piano2	81	4	2
MonoAcPiano	45	4	1
Honky-tonk 2	8	4	4
Dance Piano2	9	4	100
E.Piano-Keyboard	CC00	CC32	PC C1
P1 Vintage EP1	81	4	5 ✓
Pro Stage1	47	4	5
Pro Stage2	83	4	5 ✓
Phase EP	44	4	5
Vintage EP2	82	4	5 ✓
FM EPiano1	80	4	6 ✓
FM EPiano2	81	4	6
Wurly 2	84	4	5 ✓
Clav.	0	4	8
Harpsichord3	2	4	7
P2 Tremolo EP	46	4	5
Stage	80	4	5 ✓
MIDI EPiano1	1	4	3
MIDI EPiano2	2	4	3
FM+SA EP	16	4	5
Hard E.Piano	25	4	5
St.FM EP	16	4	6
Wurly	24	4	5
Phase Clav	17	4	8
Harpsichord	0	4	7
P3 EP Phase	32	4	6
EP Legend	10	4	6
St.Soft EP	8	4	5
Dist E.Piano	17	4	5
Detuned EP 3	9	4	6
Silent EP	10	4	5
Clav. 2	1	4	8
JP8000 Clav.	38	4	8
JP8 Clav. 1	33	4	8
Harpsichord2	1	4	7
P4 E.Piano 1	0	4	5
E.Piano 2	0	4	6
E.Piano 3	1	4	6
Detuned EP 2	8	4	6
SA E.Piano	45	4	5
JP8 Clav. 2	35	4	8
Reso Clav.	16	4	8
Attack Clav.1	2	4	8
Comp Clav.	8	4	8
Coupled Hps.	8	4	7
P5 Hard FM EP	24	4	6
Cho. E.Piano	9	4	5
Nylon+Stage	5	4	100
Stack EPiano	47	4	6

Mellow EP	26	4	5
EP Heaven	44	4	89
Atack Clav.2	3	4	8
Clav 3	24	4	8
Analog Clav.	32	4	8
Harpsichord4	24	4	7
P6 Harpsi.w	16	4	7
SynRingClav.	36	4	8
SynDistClav.	37	4	8
Pulse Clav.	39	4	8
Synth Harpsi	32	4	7
Chr Perc	CC00	CC32	PC C1
P1 Vibraphone	0	4	12
Marimba	0	4	13
Xylophone	0	4	14
Celesta	0	4	9
Glockenspiel	0	4	10
Pop Celesta	1	4	9
Celesta Bell	47	4	9
Music Box	0	4	11
Tubular-bell	0	4	15
Carillon	9	4	15
P2 Pop Vibe.	1	4	12
Vibraphones	9	4	12
Vibraphone w	8	4	12
Marimba w	8	4	13
Xylophone w	8	4	14
St.Music Box	8	4	11
Church Bell2	10	4	15
Barafon	16	4	13
Music Box 2	1	4	11
Tubularbellw	16	4	15
P3 Church Bell	8	4	15
Log drum	24	4	13
Barafon 2	17	4	13
Organ	CC00	CC32	PC C1
P1 B3 Sermon	89	4	18 ✓
Blues Perc	80	4	18 ✓
All Skate!	82	4	18 ✓
R&B B3	83	4	18 ✓
HeavyTraffic	81	4	19 ✓
Organ 3	0	4	19
Stevie's B3	82	4	17 ✓
Church Org.1	0	4	20
Organ Flute	24	4	20
Theater Org.	33	4	20
P2 Dyno Rotary	82	4	19
Hang Twice	85	4	18 ✓
Felix Ballad	84	4	18 ✓
XV Organ	84	4	19 ✓
B3 Has Come	88	4	18 ✓
Org Jazz1 /9	83	4	19 ✓
Church Org.2	8	4	20
Trem.Flute	32	4	20
Reed Organ	0	4	21
Head Up B3	80	4	17 ✓
P3 85 8808 880	80	4	19 ✓
Organ 1	0	4	17
Ful Organ 1	2	4	17
60's Organ 1	16	4	17
Jazz Organ 1	1	4	18
Perc.Organ 1	32	4	18
Rock Organ 1	17	4	19
Rotary Org.S	16	4	19
Rotary Org.F	24	4	19
Church Org.3	16	4	20
P4 Rotary Organ	8	4	19
L-Organ	47	4	19
Organ 2	0	4	18
Ful Organ 2	3	4	17
60's Organ 2	17	4	17
Jazz Organ 2	3	4	18
Perc.Organ 2	33	4	18
Rock Organ 2	18	4	19
Chorus Or	8	4	18

Digi Church	29	4	17
P5 Mellow 4	'83	4	17 ✓
Cheese Organ	24	4	17
Jazz Org RD	81	4	18
Ful Organ 3	4	4	17
60's Organ 3	18	4	17
Jazz Organ 3	4	4	18
Perc.Organ 3	34	4	18
Fire Perc	86	4	18 ✓
Organ 101	1	4	17
Br.Ballad B3	81	4	17 ✓
P6 JUNO Organ	26	4	17
JX8 Organ	30	4	17
D-50 Organ	25	4	17
FM Organ	31	4	17
VS Organ	28	4	17
Wind Organ	8	4	21
Organ o	9	4	17
Trem. Organ	8	4	17
E.Organ 16+2	2	4	18
Organ Bass	40	4	17
P7 Ful Organ 4	5	4	17
Ful Organ 5	6	4	17
Ful Organ 6	7	4	17
Ful Organ 7	10	4	17
Ful Organ 8	11	4	17
Ful Organ 9	12	4	17
Jazz Organ 4	5	4	18
Jazz Organ 5	6	4	18
Jazz Organ 6	7	4	18
Perc.Organ 4	35	4	18
P8 5th Organ	48	4	17
Puff Organ	16	4	21
Octave Organ	9	4	18
Hybrid Organ	27	4	17
Full Perc	87	4	18
Even Bar	33	4	17
70's E.Organ	32	4	17
Farf Organ	19	4	17
Orient.Org.1	116	4	17
Orient.Org.2	116	4	21
Accordion	CC00	CC32	PC C1
P1 Acc. Master	50	4	22
Acc. Classic	51	4	22
Italian Folk	52	4	22
Fr. Musette	53	4	22
Steirische	54	4	22
Bandoneon 1	50	4	24
Bandoneon 2	51	4	24
Bandoneon 3	52	4	24
Mellow Harm	50	4	23
Hand Harm.	51	4	23
P2 Cho. Accord	16	4	22
Dist. Accord	9	4	22
Accordion It	8	4	22
Accordion Fr	0	4	22
Hard Accord	24	4	22
Bandoneon 4	0	4	24
Bandoneon 5	8	4	24
Bandoneon 6	16	4	24
B.Harp Basic	8	4	23
B.Harp Suppl	9	4	23
P3 Soft Accord	25	4	22
It Musette 1	17	2	24
It Musette 2	47	4	22
Harmonica	0	4	23
Harmonica 2	1	4	23
Accordion 1	116	4	83
Accordion 2	116	4	85
JV.Accordion	116	4	86
OrientalAcc1	114	4	83
OrientalAcc2	115	4	83
P4 OrientalAcc3	112	4	83
OrientalAcc4	113	4	83

A.Guitar	CC00	CC32	PC C1
P1 V Nylon Gt	64	4	25
Nylon-Str.Gt	0	4	25
V Steel.Gt2	64	4	26
V Steel.Gt4	69	4	26
V Ac.Guitar1	48	4	26
V 2 Guitars	66	4	26
12-str.Gt	8	4	26
V Nyl+Steel	67	4	26
MandolinTrem	18	4	26
Banjo	0	4	106
P2 Nylon Gt.2	32	4	25
Nylon+Steel	9	4	26
V Steel.Gt5	70	4	26
V Ac.Guitar2	49	4	26
V Steel.Gt1	52	4	26
V Steel.Gt3	65	4	26
V RequitGt2	52	4	25
Steel Gt.2	32	4	26
Mandolin Tr.	18	2	26
Muted Banjo	1	4	106
P3 Nylon Gt.o	16	4	25
V Ac.Gtr.Hrm	51	4	26
Steel + Body	33	4	26
Atmosphere	0	4	100
HollowReleas	4	4	100
Nylon Harp	2	4	100
Atk Steel Gt	10	4	26
V Ac.Guitar3	50	4	26
Mandolin	16	4	26
Mandolin 2	17	4	26
P4 V Fl.Gtr 1	48	4	25
V Fl.Gtr 2	49	4	25
V Fl.Gtr 3	50	4	25
V Fl.GtrRoll	51	4	25
Steel-str.Gt	0	4	26
Requit Gt.	40	4	25
V Nyl+Steel2	68	4	26
Ukulele	8	4	25
Velo Harmnix	24	4	25
Gt.FretNoise	0	4	121
P5 Chord Stroke	11	4	121
G.StrokeMenu	20	4	121
Gt.SlideMenu	21	4	121
Steel Slide1	35	4	121
Steel Slide2	36	4	121
Steel Slide3	37	4	121
Steel Slide1	38	4	121
Gt.StrokeNz1	39	4	121
Gt.StrokeNz2	40	4	121
Gt.StrokeNz3	41	4	121
P6 Gt.StrokeNz4	42	4	121
A.Gt Noises	45	4	121
E.Guitar - Bass	CC00	CC32	PC C1
P1 V Warm Drive	65	4	30
V Distortion	64	4	31
V Dist. Mute	64	4	29
V Clean Mute	67	4	29
JazzGuitar2	62	4	27
XV Ac.Bass	80	4	33 ✓
Fingered Bs.	0	4	34
Picked Bass	0	4	35
Slap Bass 1	0	4	37
RubberBass 2	16	4	40
P2 V Overdrive4	64	4	30
Dist. Guitar	3	4	31
V Muted Over	68	4	29
JC Chorus Gt	9	4	28
Jazz Guitar3	80	4	27 ✓
Fretless Bs.	0	4	36
Fingered Bs2	1	4	34
Picked Bass2	1	4	35
Slap Pop	1	4	37
Drum'n'Bass	82	4	39 ✓

P3	Overdrive Gt	0	4	30
	V Dist.Gt3	67	4	31
	V Muted Gt.3	65	4	29
	JC Clean Gt.	4	4	28
	V Jazz Gt.	48	4	27
	XV Bass+Ride	81	4	33 ✓
	Finger Slap	7	4	34
	Picked Bass3	2	4	35
	Slap Bass 2	0	4	38
	Synth Bass 2	0	4	40
P4	V LP OverDrv	52	4	30
	VRockRhythm2	56	4	31
	V Muted Gt.4	66	4	29
	Open Hard 2	3	4	28
	JGuitar Scat	81	4	27 ✓
	Acoustic Bs.	0	4	33
	Jazz Bass	2	4	34
	Picked Bass4	3	4	35
	Slap Bass 3	1	4	38
	Bass Invader	80	4	40
P5	Overdrive 2	1	4	30
	V RockRhythm	55	4	31
	V TC MutedGt	50	4	29
	Clean Gt.	0	4	28
	V PedalSteel	50	4	27
	Muted Dis.Gt	1	4	29
	Jazz Bass 2	3	4	34
	Rock Bass	4	4	34
	MG Bass	4	4	40
	TB Saw Bass	81	4	39 ✓
P6	LP Rear Pick	20	4	28
	V Power Gt.3	65	4	31
	V Power Gt.4	66	4	31
	TC Clean ff	18	4	28
	TC Rear Pick	17	4	28
	Fretless Bs2	1	4	36
	Modular Bass	2	4	40
	Seq Bass	3	4	40
	SynthBass201	1	4	40
	RubberBass 1	13	4	40
P7	TC FrontPick	16	4	28
	Chorus Gt.	8	4	28
	Atk CleanGt.	5	4	28
	Open Hard 1	2	4	28
	TC Clean 2:	19	4	28
	uilleo V/Sw	84	4	40 ✓
	VocoBass	83	4	40 ✓
	Raver Bass 2	82	4	40 ✓
	Raver Bass 1	81	4	40 ✓
	TeeBee	44	4	39
P8	Overdrive 3	2	4	30
	Mid Tone GTR	23	4	28
	LP Rear 2	21	4	28
	Clean Half	1	4	28
	V Muted Gt.	48	4	29
	Reso Slap	8	4	37
	MG Blip Bs:	7	4	40
	SH101 Bass 1	17	4	40
	JP-8 Bass	4	4	39
	MG Oct Bass1	5	4	40
P9	V MuteDistGt	49	4	29
	LP RearAttack	22	4	28
	Chung Ruan	24	4	28
	TC Muted Gt.	2	4	29
	Jazz Gt.	0	4	27
	WireStr Bass	11	4	40
	Blip Bass :	12	4	40
	MG Oct Bass2	6	4	40
	SH101 Bass 2	18	4	40
	Smooth Bass	19	4	40
P10	Mellow Gt.	1	4	27
	More Drive	3	4	30
	Distort Gt2	1	4	31
	Jazz Man	24	4	29
	V Clean Gt.	48	4	28
	Bass + OHH	16	4	33
	AcBass 55	45	4	33
	AcBass 88Pro	46	4	33
	AcBass 88	47	4	33
	SH101 Bass 3	20	4	40
P11	Funk Pop	8	4	29
	V JC CleanGt	52	4	28
	LP OverDrv:	9	4	30
	Chung Ruan 2	25	4	28
	Funk Gt.2	16	4	29
	Bass + Ride	17	4	33
	V Rockabilly	50	4	33
	V AcousticBs	49	4	33
	MG 5th Bass	25	4	40
	RND Bass	26	4	40
P12	Power Gt.2	17	4	31
	Pedal Steel	8	4	27
	Gt. Feedback	8	4	32
	Dist Rtm GTR	26	4	31
	VLP HalfDrv2	54	4	30
	WowMG Bass	27	4	40
	Bubble Bass	28	4	40
	Spike Bass	21	4	40
	House Bass:	22	4	40
	Attack Pulse	29	4	40
P13	V Mellow Gt.	49	4	27
	V LP RearAtk	61	4	28
	LP OverDrvGt	8	4	30
	V Clean Half	49	4	28
	V OpenHard 1	50	4	28
	Sync Bass	24	4	40
	KG Bass	23	4	40
	Sync Bass 2	30	4	40
	Pulse Mix Bs	31	4	40
	MG Dist Bass	32	4	40
P14	V OpenHard2	51	4	28
	V Chorus Gt	54	4	28
	V TC RearPk	57	4	28
	V TC Cln ff	58	4	28
	V AtkCleanGt	53	4	28
	Seq Bass 2	33	4	40
	3rd Bass	34	4	40
	MG Oct Bass	35	4	40
	SlowEnvBass	36	4	40
	Mild Bass	37	4	40
P15	V JC ChrusGt	55	4	28
	V Funk Pop	51	4	29
	V Funk Gt.2	52	4	29
	Guitar Pinch	4	4	30
	V LP Rear 2:	60	4	28
	MG LightBass	39	4	40
	DistSynBass	40	4	40
	Rise Bass	41	4	40
	Muted Gt.	0	4	29
	DistEnvBass	38	4	40
P16	LP Chorus	12	4	30
	V Overdrv Gt	48	4	30
	V Overdrive2	49	4	30
	V Overdrive3	50	4	30
	V More Drive	51	4	30
	Cyber Bass	42	4	40
	LightSynBass	45	4	40
	PopSynthBass	46	4	40
	101 Bass	47	4	40
	TeeBee V/Sw	80	4	39 ✓
P17	V LP Rear Pk	59	4	28
	V LP HalfDrv	53	4	30
	LP Half Drv	10	4	30
	Attack Drive	5	4	30
	V LP Chorus	55	4	30
	Odd Bass	15	4	40
	303Sqr.Rev	43	4	39
	X Wire Bass	10	4	40
	Bassic Needs	83	4	39 ✓
	Heart Bass	5	4	34
P18	V Dist. Gt	48	4	31
	Attack Dist	5	4	31
	LP Half Drv2	11	4	30
	DistortionGt	0	4	31
	Feedback Gt.	8	4	31
	Clavi-Club	87	4	40 ✓
	Talk Box 1	85	4	40 ✓
	Beef FM Bass	8	4	40
	Artificial	86	4	40 ✓
	SynBell Bass	14	4	40
P19	Feedback Gt2	9	4	31
	Power Guitar	16	4	31
	5th Dist.	18	4	31
	V Dazed Gtr	49	4	31
	V FeedbackGt	50	4	31
	Muted PickBs	8	4	35
	Fretless Bs3	2	4	36
	Double Pick	4	4	35
	F.Bass/Harm.	16	4	34
	ChorusJazzBs	8	4	34
P20	V FeedbkGt2	51	4	31
	V Power Gtr	52	4	31
	V Power Gt.2	53	4	31
	V 5th Dist.	54	4	31
	V TCFrntPick	56	4	28
	Wood+FlessBs	8	4	36
	Fretless Bs4	3	4	36
	Syn Fretless	4	4	36
	Mr.Smooth	5	4	36
	P.Bass/Harm.	16	4	35
P21	Gt.Feedback2	9	4	32
	Rock Rhythm	24	4	31
	Rock Rhythm2	25	4	31
	Gt.Harmonics	0	4	32
	Ac.Gt.Harmnx	16	4	32
	E.Bass Harm.	24	4	32
	Unison Slap	9	4	37
	SynthBass101	1	4	39
	Synth Bass 1	0	4	39
	FM Slap	8	4	38
P22	Gt.Cut Noise	1	4	121
	String Slap	2	4	121
	Gt.CutNoise2	3	4	121
	Dist.CutNoiz	4	4	121
	Pick Scrape	6	4	121
	JPMG Bass	6	4	39
	Acid Bass	8	4	39
	P5 Bass	5	4	39
	JP-4 Bass	3	4	39
	CS Bass	2	4	39
P23	Gt. FX Menu	8	4	121
	Bartok Pizz.	9	4	121
	Guitar Slap	10	4	121
	D.Gt.Noises	17	4	121
	E.Gt.Noises1	18	4	121
	Kicked TB303	12	4	39
	TB303 Bass 2	11	4	39
	Tekno Bass	10	4	39
	A.Bs.Noises2	22	4	121
	A.Bs.TouchNz	23	4	121
P24	E.Gt.Noises2	19	4	121
	TC Up Noise	25	4	121
	DstGT.Up Nz	29	4	121
	TC Down Nz	28	4	121
	TC UpMt.Nz	27	4	121
	Reso SH Bass	16	4	39
	Reso 303 Bs	15	4	39
	Rubber303 Bs	14	4	39
	TB303 Saw Bs	13	4	39
	TB303 Bass	9	4	39
P25	EgtrNzMenu	44	4	121
	Gt.StrokeNz5	34	4	121
	DstGT.MuteNz	32	4	121
	DstGT.DwnNz2	31	4	121
	DstGT.DwnNz1	30	4	121
	TB303 DistBs	18	4	39
	TB303 Sqr Bs	17	4	39
	Bass Slide	5	4	121
	A.Bs.Noises1	16	4	121
	Clavi Bass	19	4	39
P26	TC DownMt.Nz	26	4	121
	Dazed Guitar	2	4	31
	Hammer	20	4	39
	Jungle Bass	21	4	39
	Square Bass	22	4	39
	Square Bass2	23	4	39
	Rockabilly	1	4	33
	Dly Bass	9	4	40
	V Wild Ac.Bs	51	4	33
	V Baby Bass	48	4	34
P27	Atk A.Bass	9	4	33
	V Guitaron	48	4	33
	AttackFinger	6	4	34
	Dist.Fast :	4	4	31
	Wild A.Bass	8	4	33
	Arpeggio Bs	24	4	39
	Hit&Saw Bass	32	4	39
	Ring Bass	33	4	39
	AtkSineBass	34	4	39
	OB sine Bass	35	4	39
P28	A.Bs.AtackNz	24	4	121
	Auxiliary Bs	36	4	39
	BassNzMenu	46	4	121
	303SqDistBs	40	4	39
	BassSlide	47	4	121
	303SqDistBs2	41	4	39
	303SqDistBs3	42	4	39
	Echo SynBass	7	4	103
Strings		CC00	CC32	PC C1
P1	St. Strings	16	4	49
	St.Slow Str.	10	4	50
	JP8 StringsB	81	4	51
	Warm Strings	9	4	50
	S.Str+Choir	12	4	50
	Orchestra	8	4	49
	X Violin	80	4	41 ✓
	Harp	0	4	47
	St.Pizzicato	3	4	46
	OrchestraHit	0	4	56
P2	St. Strings	0	4	50
	Strings :	0	4	49
	Syn.Strings1	0	4	51
	Syn.Strings2	0	4	52
	S.Str+Choir2	13	4	50
	Orchestra 2	9	4	49
	Contrabass	0	4	44
	Folk Violin	16	2	41
	Viola	0	4	42
	Timpani	0	4	48
P3	St.Strings 2	17	4	49
	Oct Strings1	32	4	49
	St.Slow Str2	11	4	50
	SlowStrings2	1	4	50
	Syn.Strings6	10	4	51
	ChamberStr.	2	4	49
	Str.+Flute	13	4	49
	Strings+Horn	12	4	49
	FolkViolinVb	17	2	41
	Violin	0	4	41
P4	St. Strings 3	18	4	49
	SlowStrings3	2	4	50
	JP8 Strings2	80	4	51
	Air Strings	8	4	52
	Orchestra 3	19	4	49
	Slow Violin	8	4	41
	Slow Tremolo	8	4	45
	Cello :	0	4	43
	ContrabSect	34	4	49
	Cello sect.	3	4	49
P5	Syn.Strings4	9	4	51
	StraightStr.	10	4	52
	Atk Syn Str.	9	4	52
	JP Saw Str.	4	4	52
	Orchestra 4	20	4	49
	Quad Strings	6	4	49
	Violin Atk:	1	4	41
	Trem Str.St.	2	4	45
	Choir Str.	11	4	49
	PizzicatoStr	0	4	46
P6	Chorus Str.	4	4	51
	Suspense Str	9	4	45
	Tremolo Orch	10	4	49
	Oct Strings2	33	4	49
	FilteredOrch	3	4	52
	Bright Str.3	5	4	49
	JP Strings	3	4	51
	Hybrid Str.2	5	4	52
	StackStrings	2	4	51
	OB Strings	1	4	51

P7	Bright Str.2	4	4	49
	Syn.Strings3	8	4	51
	Bright Str.	1	4	49
	Harp&Strings	1	4	47
	Tremolo Str	0	4	45
	SuspenseStr2	10	4	45
	Legato Str.	8	4	50
	Velo Strings	24	4	49
	Viola Attack	1	4	42
	Cello Attack	1	4	43
P8	Strings Oct	116	4	11
	Vcs&Cbs Pizz	1	4	46
	Solo Pizz.	8	4	46
	Chamber Pizz	2	4	46
	Solo Spic.	16	4	46
	StringsSpic.	17	4	46
	Harp St.	2	4	47
	Uilleann Harp	8	4	47
	Synth Harp	16	4	47
	Choir Str.2	14	4	49
P9	Choir Str.3	15	4	49
	Mild Strings	7	4	49
	60s Strings	40	4	49
	High Strings	16	4	51
	Syn.Strings7	11	4	51
	Hybrid Str.	17	4	51
	Tron Strings	24	4	51
	Noiz Strings	25	4	51
	Syn.Strings5	1	4	52
	JUNO Strings	2	4	52
P10	DistStrings	6	4	52
	LoFi Strings	12	4	51
	JUNOFullStr.	7	4	52
	Clap Hit	27	4	56
	Stack Hit	25	4	56
	Double Hit	10	4	56
	Drill Hit	14	4	56
	Thrill Hit	15	4	56
	Industry Hit	26	4	56
	Strings Hit	24	4	56
P11	Technorg Hit	22	4	56
	Rave Hit	23	4	56
	Bim Hit	21	4	56
	Bit Hit	20	4	56
	Bam Hit	19	4	56
	Philly Hit	9	4	56
	Dist. Hit	18	4	56
	Impact Hit	8	4	56
	Euro Hit	3	4	56
	Bass Hit	1	4	56
P12	6th Hit	2	4	56
	Techno Hit	17	4	56
	Lo Fi Rave	16	4	56
	Perc. Hit	11	4	56
	Bounce Hit	13	4	56
	Shock Wave	12	4	56
	<b>Vocal</b>	<b>CC00</b>	<b>CC32</b>	<b>PC C1</b>
P1	Warm Voices	82	4	95
	Syn Vox Pad	80	4	55
	Fem Mm Srt	82	4	54 ✓
	Rich Choir	81	4	53 ✓
	St.ChoirAahs	8	4	53
	Vox Pad 2	83	4	95
	Choir Aahs	0	4	53
	Real Choir	80	4	53 ✓
	Jazz Scat	6	4	54
	ChorusWahMal	33	4	54
P2	V Choir Aahs	48	4	53
	V Melted Chr	49	4	53
	V Church Chr	50	4	53
	Choir Hahs	16	4	53
	V ChorusLahs	52	4	53
	V ChorusAahs	53	4	53
	Harpvox	3	4	100
	SynVox Pad 2	10	4	95
	V Voice Oohs	48	4	54
	VMaleAah+Str	54	4	53
P3	VoiceWoh Mal	34	4	54
	V Choir Hahs	51	4	53
	LFO Vox	9	4	86

	St.BoysChoir	13	4	53
	ChorusWohMal	35	4	54
	VoiceAah Mal	36	4	54
	Boys Choir 2	12	4	53
	Itopia	3	4	92
	VoiceOoh Mal	37	4	54
	Humming	40	4	54
P4	Vox Pad	1	4	95
	VoiceWah Mal	32	4	54
	Chorus Lahs	24	4	53
	Boys Choir 1	11	4	53
	Church Choir	10	4	53
	Silent Night	9	4	55
	SynVox	0	4	55
	Melted Choir	9	4	53
	Holy Voices	12	4	92
	Solo Vox	0	4	86
P5	VJzVoiceBap	54	4	54
	V JzVoiceDow	55	4	54
	V Voice Dahs	52	4	54
	V JzVox Thum	56	4	54
	V JzVoiceDat	53	4	54
	Vox Sweep	2	4	95
	SynVox 2	1	4	55
	SC Heaven	2	4	92
	JX8P Vox	18	4	55
	SynVox Pad	9	4	95
P6	SynVox 3	2	4	55
	Syn.Voice	8	4	55
	Syn.Voice 2	10	4	55
	Tears Voices	12	4	95
	VP330 Choir	16	4	55
	Vinyl Choir	17	4	55
	V VoiceOohs2	49	4	54
	V OohsMaj7	50	4	54
	V OohsSus4	51	4	54
	Analog Voice	19	4	55
P7	Chorus Aahs	32	4	53
	Male Aah+Str	33	4	53
	Voice Oohs	0	4	54
	Chorus Oohs2	3	4	54
	Voice Oohs 2	2	4	54
	Space Voice	0	4	92
	Heaven II	1	4	92
	Water Space	4	4	92
	Cosmic Voice	8	4	92
	Auh Vox	9	4	92
P8	Vocorderman	11	4	92
	Horror Pad	8	4	95
	Breath&Rise	11	4	95
	Solo Vox 2	1	4	86
	Rich Choir	14	4	53
	Vox Lead	8	4	86
	Vox Lead 2	10	4	86
	Chorus Oohs	1	4	54
	OohsCodeMaj7	4	4	54
	OohsCodeSus4	5	4	54
P9	Voice Dahs	8	4	54
	JzVoice Dat	9	4	54
	JzVoice Bap	10	4	54
	JzVoice Dow	11	4	54
	JzVoice Thum	12	4	54
	VoiceLah Fem	16	4	54
	ChorusLahFem	17	4	54
	VoiceLuh Fem	18	4	54
	ChorusLuhFem	19	4	54
	VoiceLan Fem	20	4	54
P10	ChorusLanFem	21	4	54
	VoiceAah Fem	22	4	54
	VoiceUuh Fem	23	4	54
	Fem Lah&Lan	24	4	54
	<b>Brass</b>	<b>CC00</b>	<b>CC32</b>	<b>PC C1</b>
P1	X Brass	80	4	62 ✓
	Brass Sforz.	81	4	62 ✓
	2Tps+Tb	43	4	62
	V Trombone	48	4	58
	Henry IV	47	4	64
	Tuba	0	4	59
	French Horns	0	4	61
	Jump Brass	5	4	63

	Africa Brass	80	4	64 ✓
	Soft Totox	1	4	64
P2	St.Orch Brs	36	4	62
	Octave Brass	24	4	62
	FatPop Brass	14	4	62
	V Trombone 2	49	4	58
	Tuba 2	1	4	59
	Tuba + Horn	8	4	59
	Brass ff	1	4	62
	Warm Brass	2	4	64
	MG Brass fst	81	4	64 ✓
	MKS Brass	4	4	63
P3	St. Brass ff	3	4	62
	Horn + Orche	2	4	61
	Twin bones	2	4	58
	Tuba 3	47	4	59
	Fr.Horn 2	1	4	61
	BriteBrass	46	4	62
	Dual Horns	9	4	61
	JUNO Brass	1	4	63
	Fat SynBrass	5	4	64
	Poly Brass	80	4	63 ✓
P4	Orch Brass	32	4	62
	PowerBrass	47	4	62
	Bones + Tuba	3	4	58
	Bright Tb	4	4	58
	V Twin bones	50	4	58
	Polka Tuba	46	4	59
	V Bs. Tbn	51	4	58
	Synth Brass1	0	4	63
	DeepSynBrass	6	4	64
	Pro Brass	8	4	63
P5	Orch Brass 2	33	4	62
	St.FatPopBrs	35	4	62
	St.Orch Brs2	37	4	62
	St.Orch Brs3	38	4	62
	BigBand	45	4	62
	Brass + Reed	25	4	62
	Folk Tuba	45	4	59
	P5 Brass	9	4	63
	Synth Brass2	0	4	64
	Synth Brass3	3	4	64
P6	Brass 1	0	4	62
	2Tps+Tb+Sax	44	4	62
	Brass 2	8	4	62
	Brass 3	9	4	62
	Fat + Reed	26	4	62
	F.Horn Rip	24	4	61
	Brass sfz	10	4	62
	OB Brass	9	4	64
	Sync Brass	4	4	64
	SynBrass sfz	8	4	64
P7	Trumpet Fall	17	4	62
	OrchSynBrass	10	4	63
	Oct SynBrass	16	4	63
	V Euphonium	52	4	58
	Bs. Trombone	8	4	58
	Euphonium	16	4	58
	Bones Sect.	2	4	62
	Quad Brass2	5	4	62
	SH-5 Brass	3	4	63
	Reso Brass	10	4	64
P8	Brass sfz 2	12	4	62
	Brass Fall	16	4	62
	Brass Oct	116	4	42
	JP8000SawBrs	12	4	64
	BPF Brass	19	4	63
	Synth Horn	16	4	61
	Wide FreHrns	3	4	61
	F.Hrn Slow:	8	4	61
	Velo Brass 1	16	4	64
	Transbrass	17	4	64
P9	SoaringHorns	46	4	64
	OctSynBrass2	18	4	63
	DistSqrBrass	11	4	64
	Stack Brass	2	4	63
	Hybrid Brass	17	4	63
	Quad Brass1	4	4	62
	Trombone	0	4	58
	Trombone 2	1	4	58

	<b>Sax - Trumpet</b>	<b>CC00</b>	<b>CC32</b>	<b>PC C1</b>
P1	BlowAltoVib	50	4	66
	St.Tenor Sax	9	4	67
	Baritone Sax	0	4	68
	Soprano Exp.	8	4	65
	Bari & Tenor	8	4	68
	V MariachiTp	50	4	57
	MutedTrumpet	0	4	60
	V FlugelHorn	55	4	57
	V Romanc Tp	49	4	57
	4th Trumpets	16	4	57
P2	Folk A.Sax	17	2	66
	Tenor Sax 2	0	4	67
	Bari. Sax	1	4	68
	Folk A.SaxVb	18	2	66
	Blowed Tenor	46	4	67
	V Muted Tp 1	48	4	60
	V Tp Mar/Shk	52	4	57
	V Trumpet	48	4	57
	V Rom/Mar Tp	51	4	57
	FolkTrumpVb	18	2	57
P3	AltoAlto	51	4	66
	AltoSax Soft	46	4	66
	AltoSax Exp.	8	4	66
	Soprano Sax	0	4	65
	Sax Section	17	4	66
	V Muted Tp 2	49	4	60
	V Tp Shake	53	4	57
	V Trumpet 2	54	4	57
	Bright Tp.	24	4	57
	Trumpet	0	4	57
P4	Latin Tenor	44	4	67
	Grow Sax	9	4	66
	Alto Sax	0	4	66
	AltoSax + Tp	16	4	66
	Tenor Sax	1	4	67
	MuteTrumpet3	3	4	60
	Dark Trumpet	3	4	57
	Trumpet & Nz	4	4	57
	MuteTrumpet2	2	4	60
	Warm Tp.	25	4	57
P5	Alto Sax 2	47	4	66
	Super Tenor	47	4	67
	Tenor Sax 1	45	4	67
	TenorSaxFst	50	4	67
	Oriental SAX	116	4	66
	FolkTrumpet	17	2	57
	V 4th Tpts	56	4	57
	Twin Tp.	27	4	57
	BreathyTn.	8	4	67
	Muted Horns	8	4	60
P6	Flugel Horn	8	4	57
	Syn. Trumpet	32	4	57
	Trumpet 2	1	4	57
	Trumpet :	2	4	57
	Atk Trumpet	47	4	57
	Warm Tp.2	26	4	57
	<b>Wind</b>	<b>CC00</b>	<b>CC32</b>	<b>PC</b>
P1	FluteVibAtk	52	4	74
	JazzClariVib	50	4	72
	FolkClarinet	51	4	72
	Oboe	0	4	69
	Piccolo	0	4	73
	Bassoon	0	4	71
	Bottle Blow	0	4	77
	Whistle	0	4	79
	Pan Flute	0	4	76
	English Horn	0	4	70
P2	V FlTraverso	50	4	74
	SoftClarinet	52	4	72
	FolkClarVb	17	2	72
	Oboe Exp.	8	4	69
	Piccolo 2	1	4	73
	Bs Clarinet	8	4	72
	BottleBlow2	47	4	77
	Whistle 2	1	4	79
	Pan Flute2	47	4	76
	Multi Wind	16	4	72
P3	V Flute Exp	49	4	74
	Clarinet	0	4	72

Folk Clarin	16	2	72
Multi Reed	16	4	69
Quad Wind	17	4	72
Recorder	0	4	75
The Bottle	46	4	77
Ocarina	0	4	80
TinWhistle2	46	4	76
Pipe & Reed	9	4	74
P4 Flute + Vln	8	4	74
Flute	0	4	74
Flute 2	1	4	74
Flute Exp.	2	4	74
Fit Traverso	3	4	74
Tron Flute	16	4	74
Indian Flute	17	4	74
V Flute	48	4	74
V Tron Flute	51	4	74
Synth	CC00	CC32	PC C1
P1 Big Lead	4	4	82
Unison Saws	46	4	91
OB Saw 1	26	4	82
LM Square	6	4	81
CC Solo	4	4	81
Poly Saws	83	4	91 ✓
80's PolySyn	1	4	91
Poly King	3	4	91
Super Poly	4	4	91
D-50 Fantasy	43	4	89
P2 Twin Sine	11	4	81
Dual Sqr&Saw	23	4	81
Velo Lead	5	4	82
MG Square	1	4	81
Hollow Mini	2	4	81
Polysynth	0	4	91
X-hale	81	4	95 ✓
Phenomena	80	4	87 ✓
Power Stack	8	4	91
Poly Key	82	4	91 ✓
P3 Saw Wave	0	4	82
Unison SawLd	7	4	84
MG SawLead 2	39	4	82
TB Lead	1	4	84
Fat GR Lead	3	4	85
Brightness	0	4	101
Bell Heaven	3	4	89
New Age Pad	2	4	89
Syn.Calliope	0	4	83
OB Stab	2	4	101
P4 Big & Raw	1	4	88
P5 Sync Lead	16	4	85
Acid Guitar2	10	4	85
D-50 Fat Saw	11	4	82
Euro-Dance 2	81	4	88 ✓
Polysynth 2	2	4	91
Sugar Key	47	4	89
LowBirds Pad	8	4	102
D-50 Retour	5	4	101
Fantasia	0	4	89
P5 OB DoubleSaw	12	4	82
Rock Lead	18	4	85
HipHop Sine	32	4	81
Techno Saw	47	4	82
JP DoubleSaw	13	4	82
JP SuperSaw	15	4	82
D-50 Saw	28	4	82
SH-101 Saw	29	4	82
CS Saw	30	4	82
OB Saw Lead	32	4	82
P6 MG Saw Lead	31	4	82
Tambra Atmos	11	4	100
MG unison	34	4	82
Ice Rain	0	4	97
Oct Saw Lead	35	4	82
HeavenKey	45	4	89
Chiffer Lead	0	4	84
Unison SqrLd	3	4	84
JUNO Bell	20	4	99
Pure PanLead	2	4	83
P7 JP Bell	21	4	99
LM Pure Lead	8	4	83
Big Blue	29	4	102
JP8 BsLead 1	4	4	88
Vibra Bells	8	4	99
JUNO Rave	3	4	88
LA Brass Ld	22	4	85
Big Fives	1	4	87
Random Pad	7	4	102
Goblin	0	4	102
P8 GR & Pulse	6	4	85
SequencedSaw	46	4	82
Octave Stack	9	4	91
Euro-Dance 1	80	4	88 ✓
260 & JUNO	80	4	81 ✓
Crissy Lead	84	4	88 ✓
Banded Jupe	80	4	92 ✓
LM Blow Lead	9	4	83
Xpressive	83	4	88 ✓
7th Atmos.	17	4	104
P9 Galaxy Way	18	4	104
Rep.Trance	4	4	104
Rising OSC.	19	4	104
Noise Peaker	6	4	92
Raver Blade	82	4	88 ✓
Etherality	5	4	104
Reso Stack	10	4	91
Techno Stack	11	4	91
Pulse Stack	12	4	91
TwinOct.Rave	13	4	91
P10 Oct.Rave	14	4	91
Happy Synth	15	4	91
ForwardSweep	16	4	91
ReverseSweep	17	4	91
Minor Rave	24	4	91
SuperSaws	47	4	91
Bamboo Hit	7	4	92
AuhAuh	10	4	92
Square Wave	0	4	81
Mellow FM	3	4	81
P11 Shmoog	5	4	81
JP8000 TWM	7	4	81
2600 Sine	8	4	81
Sine Lead	9	4	81
KG Lead	10	4	81
P5 Square	16	4	81
OB Square	17	4	81
JP-8 Square	18	4	81
Dist Square	19	4	81
303SqrDst1	20	4	81
P12 303SqrDst2	21	4	81
303 Mix Sqr	22	4	81
Pulse Lead	24	4	81
JP8 PulseLd1	25	4	81
JP8 PulseLd2	26	4	81
MG Reso. Pls	27	4	81
JP8 PulseLd3	28	4	81
260RingLead	29	4	81
303DistLead	30	4	81
JP8000DistLd	31	4	81
P13 HipHop Sq.	33	4	81
LM Has Come	17	4	102
HipHop Pulse	34	4	81
Flux Pulse	35	4	81
OB2 Saw	1	4	82
Pulse Saw	2	4	82
Feline GR	3	4	82
GR-300	6	4	82
LA Saw	7	4	82
Harmo Rain	1	4	97
P14 Doctor Solo	8	4	82
New Century	16	4	104
Fat Saw Lead	9	4	82
African wood	2	4	97
JP8000 Saw	10	4	82
Rattle Pad	4	4	97
Saw Impulse	5	4	97
Strange Str.	6	4	97
FatSawLead 2	14	4	82
Wasy Synth	16	4	82
P15 PM Lead	17	4	82
CS Saw Lead	18	4	82
MG Saw 1	24	4	82
MG Saw 2	25	4	82
OB Saw 2	27	4	82
Rave	8	4	98
Crystal	0	4	99
Syn Mallet	1	4	99
P5 Saw Lead	33	4	82
Soft Crystal	2	4	99
P16 Round Glock	3	4	99
Loud Glock	4	4	99
GlockenChime	5	4	99
Natural Lead	36	4	82
Clear Bells	6	4	99
Synchronized	38	4	82
ChristmasBel	7	4	99
SequenceSaw1	40	4	82
Digi Bells	9	4	99
SequenceSaw2	41	4	82
P17 Reso Saw	42	4	82
Analog Bell	11	4	99
Cheese Saw 1	43	4	82
Blow Bell	12	4	99
Cheese Saw 2	44	4	82
Hyper Bell	13	4	99
Rhythmic Saw	45	4	82
Choral Bells	16	4	99
Air Bells	17	4	99
Bell Harp	18	4	99
P18 Gamelimba	19	4	99
Vent Synth	1	4	83
Pizz Bell	22	4	99
Bottom Bell	23	4	99
Hybrid Lead	2	4	84
Warm Atmos	1	4	100
FatSolo Lead	4	4	84
ForcefulLead	5	4	84
Oct.UnisonLd	6	4	84
Mad Lead	8	4	84
P19 Vaporish	80	4	91 ✓
CrowdingLead	9	4	84
Pulse Key	8	4	100
Space Org X	81	4	87 ✓
Double Sqr.	10	4	84
Chord maj7th	82	4	87 ✓
PureFlatLead	47	4	84
Short Chord	83	4	87 ✓
Charang	0	4	85
Wire Lead	1	4	85
P20 ShortCircuit	80	4	56 ✓
Shining Star	1	4	101
FB.Charang	2	4	85
Trance Chime	81	4	91 ✓
Brass Star	3	4	101
Windy GR Ld	4	4	85
Mellow GR Ld	5	4	85
Choir Stab	4	4	101
Dist.Lead	8	4	85
SouthernWind	6	4	101
P21 Acid Guitar1	9	4	85
SymbolicBell	7	4	101
Org Bell	8	4	101
Dance Dst.Gt	11	4	85
DanceDst.Gt2	12	4	85
Goblinson	1	4	102
50's Sci-Fi	2	4	102
Abduction	3	4	102
Fat SyncLead	17	4	85
Auhbient	4	4	102
P22 5th DecaSync	19	4	85
LFO Pad	5	4	102
Random Str	6	4	102
Dirty Sync	20	4	85
DualSynCLead	21	4	85
Falling Down	9	4	102
JUNO Sub Osc	24	4	85
2600 Sub Osc	25	4	85
LFO RAVE	10	4	102
LFO Horror	11	4	102
P23 JP8000Fd Osc	26	4	85
LFO Techno	12	4	102
Alternative	13	4	102
UFO FX	14	4	102
Gargle Man	15	4	102
Sweep FX	16	4	102
5th Saw Wave	0	4	87
FallinInsect	18	4	102
LFO Oct.Rave	19	4	102
5th Lead	2	4	87
P24 Just Before	20	4	102
5th Ana.Clav	3	4	87
RND Fl.Chord	21	4	102
5th Pulse	4	4	87
RandomEnding	22	4	102
JP 5th Saw	5	4	87
Random Sine	23	4	102
JP8000 5thFB	6	4	87
EatingFilter	24	4	102
4th Lead	8	4	87
P25 Noise&SawHit	25	4	102
Bass & Lead	0	4	88
Pour Magic	26	4	102
Fat & Perky	2	4	88
DancingDrill	27	4	102
Dirty Stack	28	4	102
Static Hit	30	4	102
JP8 BsLead 2	5	4	88
Atl.Mod.FX	31	4	102
SH-5 Bs.Lead	6	4	88
P26 Delayed Lead	7	4	88
Acid Copter	32	4	102
Fantasia 2	1	4	89
Fantasia 3	4	4	89
Fantasia 4	5	4	89
After D !	6	4	89
260HarmPad	7	4	89
BriteSawKey	46	4	89
Music Bell	10	4	99
Pad - Ethnic	CC00	CC32	PC C1
P1 Warmer Pad	80	4	90 ✓
Pad With	81	4	90
LA Warm Pad	82	4	90 ✓
Attack! Pad	83	4	90
Human Pad	10	4	90
Sitar	0	4	105
Nay	8	4	73
Shakuhachi	0	4	78
Oud	24	4	106
Kawala	8	4	76
P2 OB Soft Pad2	6	4	90
JP8 Hollow	44	4	92
JP Soft Pad	13	4	90
Warm Squ Pad	47	4	92
Dream Pad	8	4	104
Tambra	8	4	105
Rabab	8	4	106
Shamisen	0	4	107
Zampona	16	4	76
TinWhistle Or	26	4	76
P3 Warm JP STR	47	4	90
Square Pad	45	4	92
OB Soft Pad	4	4	90
Star Mind	2	4	104
Stacked Pad	45	4	90
Kalimba	0	4	109
Sanza	8	4	109
Bagpipe	0	4	110
Gopichant	16	4	106
UillnPipe Or	11	4	110
P4 Thick Matrix	1	4	90
Warm Pad	0	4	90
Big Panner	4	4	103
Reso Panner	5	4	103
Tamboura	16	4	105
Fiddle	0	4	111
Pungi	8	4	112
Bozouki	116	4	106
Mizmar	24	4	112
Uilleann Pipe	9	4	110
P5 Sine Pad	5	4	90
Echo Drops	0	4	103

	Rotary Strng	3	4	90
	Stack Pad	9	4	90
	Soundtrack	0	4	98
	Sitar 2	1	4	105
	Nay Tremolo	9	4	73
	Kanoun3 TrmV	115	4	93
	Kawala 1	116	4	101
	Oud1 Tremolo	116	4	110
P6	Metal Pad	0	4	94
	Silky Pad	9	4	104
	Horn Pad	2	4	90
	Echo Pan	2	4	103
	Dream Pad 2	10	4	104
	Di	16	4	73
	KanounStereo	116	4	87
	Octave Pad	8	4	90
	Zither 1	16	4	16
	Hichiriki	16	4	112
P7	Sync Brs.Pad	11	4	90
	Silky Pad 2	11	4	104
	Star Dust	3	4	104
	Mystic Pad	6	4	104
	Anklung Pad	3	4	97
	Detune Sitar	2	4	105
	Sitar 3	3	4	105
	Oud+Strings	28	4	106
	Pi Pa	32	4	106
	Zampona Atk	17	4	76
P8	Hols Strings	4	4	98
	Oct.PWM Pad	12	4	90
	PWM Soft Pad	43	4	90
	LFO Sweep	44	4	90
	Ambient Pad	6	4	100
	Sitar/Drone	4	4	105
	Sitar 4	5	4	105
	San Xian	9	4	106
	Tsugaru	1	4	107
	Syn Shamisen	8	4	107
P9	Saw Strings	46	4	90
	7thBelPad	3	4	93
	JP8 Sqr Pad	2	4	93
	SoftBellPad	1	4	93
	JP8Haunting	43	4	92
	Koto	0	4	108
	Tin Whistle	24	4	76
	Gu Zheng	1	4	108
	TinWhistle Nm	25	4	76
	Taisho Koto	8	4	108
P10	Cold Space	5	4	92
	Bottle Stack	5	4	93
	Gtr Pad	47	4	93
	Tine Pad	1	4	94
	Panner Pad	2	4	94
	Kanoun	16	4	108
	Kanoun+Choir	19	4	108
	Oct Harp	24	4	108
	Bowed Glass	0	4	93
	Bodhran	9	4	109
P11	Steel Pad	3	4	94
	Special Rave	4	4	94
	Steel Glass	4	4	93
	Pipe Pad	46	4	92
	Metal Pad 2	5	4	94
	Bodhran Mute	10	4	109
	Didgeridoo	8	4	110
	ShakuBamboo	47	4	78
	UilinPipe Nm	10	4	110
	Er Hu	8	4	111
P12	Halo Pad	0	4	95
	Sweep Pad	0	4	96
	Polar Pad	1	4	96
	Ambient BPF	2	4	96
	Sync Pad	3	4	96
	Gao Hu	9	4	111
	Shanai	0	4	112
	Shanai 2	1	4	112
	Suona 1	32	4	112
	Bonang	8	4	113
P13	Converge	8	4	96
	Warriors	4	4	96

	Shwimmer	9	4	96
	Celestial Pd	10	4	96
	Sweep Stack	13	4	96
	Suona 2	33	4	112
	Tinkle Bell	0	4	113
	Gender	9	4	113
	Gamelan Gong	10	4	113
	St.Gamelan	11	4	113
P14	Bag Sweep	11	4	96
	Sweep Pipe	12	4	96
	Deep Sweep	14	4	96
	SawsSweep	47	4	96
	Soft Sweep	46	4	96
	Jang Gu	12	4	113
	Jegogan	13	4	113
	Jublag	14	4	113
	Pemade	15	4	113
	Stray Pad	15	4	96
P15	FastFWD Pad	7	4	97
	Clavi Pad	8	4	97
	EP Pad	9	4	97
	Tambra Pad	10	4	97
	CP Pad	11	4	97
	Yang Qin	24	4	47
	Yang Qin 2	25	4	47
	SynthYangQin	26	4	47
	Santur	0	4	16
	Santur 2	1	4	16
P16	Ancestral	1	4	98
	Prologue	2	4	98
	Prologue 2	3	4	98
	HistoryWave	5	4	98
	Heaven Atmos	10	4	100
	Santur 3	2	4	16
	Cimbalom	8	4	16
	Zither 2	17	4	16
	Dulcimer	24	4	16
	Kanoun 3 St	115	4	87
P17	Echo Pan 2	3	4	103
	Water Piano	6	4	103
	Star Theme 2	1	4	104
	Pan Sequence	8	4	103
	Star Theme	0	4	104
	Kanoun1 TrmV	116	4	93
	Kanoun2 TrmV	116	4	94
	Kanoun 3	115	4	95
	Kanoun 1	116	4	95
	Kanoun 2	116	4	96
P18	Aqua	9	4	103
	Panning Lead	10	4	103
	PanningBrass	11	4	103
	Kanoun Trm	116	4	97
	Kanoun 3 Oct	115	4	99
	Kanoun Oct.	116	4	99
	Kawala 2	116	4	100
	Invisible	7	4	100
	Kawala Oct.	116	4	102
	Shakuhachi	1	4	78
P19	Kawala Oct.V	116	4	103
	Bozouki Trm	116	4	107
	Bozouki TrmV	116	4	108
	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
P20	NAY	116	4	118
	NAY Oct.	116	4	119
	NAY Oct.VMix	116	4	120
	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
	Biwa Stroke	12	4	121
P21	Biwa Tremolo	13	4	121

	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
	RideCym Menu	41	4	113
	Elec Perc	9	4	119
	Horse-Gallop	2	4	124
	Dog	1	4	124
	Bird	0	4	124
	Growl	5	4	124
	Kitty	4	4	124
P3	Rock Tom	9	4	118
	Jazz Tom	3	4	118
	Real Tom	1	4	118
	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
	Brth Nz Menu	2	4	122
P4	SD Menu 2	41	4	118
	SD Menu 1	40	4	118
	Kick Menu 3	42	4	117
	Kick Menu 4	43	4	117
	Reverse Cym2	1	4	120
	Seal	8	4	124
	Rain	1	4	123
	Thunder	2	4	123
	Wind	3	4	123
	Stream	4	4	123
P5	Brush Tom	4	4	118
	Melo. Tom 2	8	4	118
	Rash SD	16	4	118
	House SD	17	4	118
	Jungle SD	18	4	118
	Explosion 2	6	4	128
	Bubble	5	4	123
	Wind 2	6	4	123
	Bird 2	3	4	124
	DoorCreaking	2	4	125
P6	Jngl SD Roll	24	4	118
	Real Tom 2	2	4	118
	SD Menu 3	42	4	118
	SD Menu 4	43	4	118
	SD Menu 5	44	4	118
	Siren	5	4	126
	Train	6	4	126
	Jetplane	7	4	126
	Starship	8	4	126
	Burst Noise	9	4	126
P7	606 Tom	11	4	119
	909 Tom	12	4	119
	606 Dist.Tom	13	4	119
	Synth Drum	0	4	119
	Reverse Cym3	2	4	120
	Car-Pass	3	4	126
	Door	3	4	125
	Telephone 2	1	4	125
	BrthNzMenu	47	4	122
	Cricket	7	4	123
P8	Reverse Cym4	3	4	120
	Rev.Snare 1	8	4	120
	Rev.Snare 2	9	4	120
	Rev.ConBD	17	4	120
	Rev.Kick 1	16	4	120
	White Noise	17	4	123
	Winds Hit	47	4	123
	Pink Noise	16	4	123
	Scratch	4	4	125

	TapeRewind	9	4	125
P9	Dholak 2	28	4	117
	Jngl BD Roll	32	4	117
	Kick Menu 2	41	4	117
	Kick Menu 1	40	4	117
	Rev.Tom 1	24	4	120
	Growl 2	6	4	124
	Fl.Breath 1	3	4	122
	Fl.Breath 2	4	4	122
	Fl.Breath 3	5	4	122
	Vox Breath 1	6	4	122
P10	Rev.Tom 2	25	4	120
	Rev.Tom 3	26	4	120
	Rev.Tom 4	27	4	120
	Rev.SD Menu1	40	4	120
	Rev.SD Menu2	41	4	120
	Vox Breath 2	7	4	122
	Trombone Nz	8	4	122
	Trumpet Nz	9	4	122
	Fancy Animal	7	4	124
	Scratch 2	7	4	125
P11	Rev.SD Menu3	42	4	120
	Rev.BD Menu1	43	4	120
	Rev.BD Menu2	44	4	120
	Rev.BD Menu3	45	4	120
	Rev.ClapMenu	46	4	120
	ScratchKey	8	4	125
	Phono Noise	10	4	125
	MC-500 Beep	11	4	125
	Scratch 3	12	4	125
	Scratch 4	13	4	125
P12	HandClapMenu	40	4	116
	909 HandClap	32	4	116
	Finger Snaps	24	4	116
	RideBellMenu	42	4	113
	Jngl Crash	32	4	113
	Voice ComeOn	23	4	127
	Scratch 5	14	4	125
	Scratch 6	15	4	125
	Car-Crash	4	4	126
	Calculating	10	4	126
P13	Jungle BD	16	4	117
	Concert BD	8	4	117
	RAMA Cymbal	16	4	113
	Wind Chimes	5	4	125
	909 SD	19	4	118
	Scratch 7	16	4	125
	Voice One	16	4	127
	Voice Two	17	4	127
	Voice Three	18	4	127
	Voice Tah	19	4	127
P14	Castanets	8	4	116
	Tambourine	16	4	114
	Perc. Bang	11	4	126
	ConcertBD Mt	9	4	117
	Techno BD	17	4	117
	Burner	12	4	126
	Glass & Glam	13	4	126
	Ice Ring	14	4	126
	Over Blow	15	4	126
	Crack Bottle	16	4	126
P15	Kajar	17	4	113
	Kempur	25	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
	Soda	18	4	126
	Open CD Tray	19	4	126
	Audio Switch	20	4	126
P16	Bounce	18	4	117
	Key Typing	21	4	126
	Kelontuk	18	4	113
	Kelontuk Mt	19	4	113
	SL 1	22	4	126
	SL 2	23	4	126
	Kelontuk Sid	20	4	113
	Car Engine 2	24	4	126
	Kopyak Op	21	4	113

<i>Car Horn</i>	25	4	126
P17 <i>Kopyak Mt</i>	22	4	113
<i>Boeeeen</i>	26	4	126
<i>R.Crossing</i>	27	4	126
<i>Ceng Ceng</i>	23	4	113
<i>Reyoung</i>	24	4	113
<i>Compressor</i>	28	4	126
<i>Sword Boom!</i>	29	4	126
<i>Sword Cross</i>	30	4	126
<i>Stab! 1</i>	31	4	126
<i>Crash Menu</i>	40	4	113
P18 <i>Stab! 2</i>	32	4	126
<i>Applause</i>	0	4	127
<i>Laughing</i>	1	4	127
<i>Screaming</i>	2	4	127
<i>Punch</i>	3	4	127
<i>Atarigane</i>	8	4	114
<i>Heart Beat</i>	4	4	127
<i>Footsteps</i>	5	4	127
<i>Island Mlt</i>	1	4	115
<i>Applause 2</i>	6	4	127
P19 <i>ApplauseWave</i>	8	4	127
<i>Angklung</i>	16	4	116
<i>BabyLaughing</i>	9	4	127
<i>Angkl Rhythm</i>	17	4	116
<i>Voice Whey</i>	20	4	127
<i>Voice Kikit</i>	22	4	127
<i>Machine Gun</i>	1	4	128
<i>KendangWadon</i>	24	4	117
<i>Lasergun</i>	2	4	128
<i>Bebarongan</i>	25	4	117
P20 <i>Pelegongan</i>	26	4	117
<i>Dholak 1</i>	27	4	117
<i>Eruption</i>	4	4	128
<i>Big Shot</i>	5	4	128

Drum	CC00	CC32	PCC1
P1 <i>V-Pop1</i>	0	4	4
<i>V-R&amp;B</i>	0	4	5
<i>Standard 1</i>	0	4	1
<i>Standard 2</i>	0	4	2
<i>Room</i>	0	4	9
<i>Standard L/R</i>	0	4	3
<i>Room L/R</i>	0	4	13
<i>V-Fiesta</i>	0	4	6
<i>Power</i>	0	4	17
<i>V-Rock1</i>	0	4	18
P2 <i>V-Rock2</i>	0	4	19
<i>Dance</i>	0	4	27
<i>House</i>	0	4	14
<i>Jungle</i>	0	4	11
<i>Hip Hop</i>	0	4	10
<i>Techno</i>	0	4	12
<i>Multi Drum</i>	0	4	32
<i>Electronic</i>	0	4	25
<i>TR-808</i>	0	4	26
<i>CR-78</i>	0	4	28
P3 <i>TR-606</i>	0	4	29
<i>TR-707</i>	0	4	30
<i>TR-909</i>	0	4	31
<i>V-JazzBrush</i>	0	4	44
<i>Brush 2 L/R</i>	0	4	43
<i>Brush</i>	0	4	41
<i>Brush 2</i>	0	4	42
<i>Jazz</i>	0	4	33
<i>Jazz L/R</i>	0	4	34
<i>Cym&amp;Claps 2</i>	0	4	63
P4 <i>Orchestra</i>	0	4	49
<i>V-VoxDrum</i>	0	4	64
<i>Cymbal&amp;Claps</i>	0	4	54
<i>Kick&amp;Snare2</i>	0	4	52
<i>Kick&amp;Snare</i>	0	4	51
<i>Or. Techno</i>	0	4	66
<i>Ethnic</i>	0	4	50
<i>Asia</i>	0	4	53
<i>Oriental 3</i>	0	3	117
<i>Gamelan 1</i>	0	4	55
P5 <i>Gamelan 2</i>	0	4	56
<i>Oriental4</i>	0	4	117
<i>Or. R&amp;B</i>	0	4	65
<i>SFX 2</i>	0	4	61
<i>Rhythm FX 3</i>	0	4	60
<i>Rhythm FX 2</i>	0	4	59
<i>Rhythm FX</i>	0	4	58
<i>SFX</i>	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-4 [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	---	Jazz Kick 1	Jazz Kick 1	Jazz Kick 1	Std.1 Kick2	Elec Kick 1	Elec Kick 1	Elec Kick 1
2	Std2 Kick1	Std2 Kick1	---	Mex_Kik36	Mex_Kik36	Mex_Kik36	Std2 Kick1	CR78 BD 1	CR78 BD 1	CR78 BD 1
	3	Std2 Kick2	---	85Rm BsDrum1	85Rm BsDrum1	85Rm BsDrum1	Std2 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	---	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	---	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	---	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	---	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	---	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
	18	Voice One	Voice One	85St Snare1	85St Snare1	85St Snare1	Voice One	Voice One	Voice One	Voice One
19	Voice Two	Voice Two	Voice Two	85St Snare2	85St Snare2	85St Snare2	Voice Two	Voice Two	Voice Two	Voice Two
	20	Voice Three	Voice Three	NewJzSn2	NewJzSn2	NewJzSn2	Voice Three	Voice Three	Voice Three	Voice Three
21	85Rm BsDrum1	---	---	NewJzSn1	NewJzSn1	NewJzSn1	85St BsDrum1	HipHop BD1	TR-909 BD2	HipHop BD2
	22	85Rm BsDrum2	---	NewR&B5n	NewR&B5n	NewR&B5n	85St BsDrum2	Std2 Kick2	909 Comp BD	909 Comp BD2
23	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
	24	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
	25	Snare Roll	Snare Roll	IPopGst539_2	IPopGst539_2	IPopGst539_2	Snare Roll	Snare Roll	Snare Roll	Snare Roll
26	FingerSnaps2	Finger Snap	FingerSnaps2	IPopSn38_2	IPopSn38_2	IPopSn38_2	Finger Snap	FingerSnaps2	FingerSnaps2	FingerSnaps2
	27	High-Q	High-Q	FingerSnaps2	FingerSnaps2	FingerSnaps2	High-Q	High-Q	High-Q	High-Q
28	Slap	Slap	Slap	909 HandClap	909 HandClap	909 HandClap	Slap	Slap	Slap	Slap
	29	ScratchPush	ScratchPush	808clap	808clap	808clap	ScratchPush	Scrth Push2	Scrth Push2	Scrth Push2
30	ScratchPull	ScratchPull	ScratchPull	Hand clap2	Hand clap2	Hand clap2	ScratchPull	Scrth Pull2	Scrth Pull2	Scrth Pull2
	31	Sticks	Sticks	909 HandClap	909 HandClap	909 HandClap	Sticks	Sticks	Sticks	Sticks
	32	SquareClick	SquareClick	IPopPHat32	IPopPHat32	Mex_PHat32	SquareClick	SquareClick	SquareClick	SquareClick
33	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	GospelHC1p1	GospelHC1p1	GospelHC1p1	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click
	34	Mtrnm. Bell	Mtrnm. Bell	IPopSR130_1	IPopSR130_1	Mex_SnrRol34	Mtrnm. Bell	Mtrnm. Bell	Mtrnm. Bell	Mtrnm. Bell
35	85St BsDrum1	Std2 Kick2	85St BsDrum1	IPopKik35	IPopKik35	Mex_Kik35	85Rm BsDrum1	TR-909 BD2	HipHop BD1	Techno BD1
	36	85St BsDrum2	Std.2 Kick1	85St BsDrum2	IPopKik36	Mex_Kik36	85Rm BsDrum2	909 Comp BD	Std2 Kick2	TR-909 BD2
	37	Side Stick	Side Stick	IPopCstk37_1	IPopCstk37_2	IPopCstk37_2	Side Stick	808 Rimshot	Side Stick	808 Rimshot
	38	85St Snare2	Std.2 Snare1	IPopSn38_1	NewR&B5n	Mex_Snr38	82Rm Snare2	Rap Snare	Dance Snare1	Dance Snare1
	39	909 HandClap	808clap	909 HandClap	IPopGst539_1	Mex_Gst539	808clap	909 HandClap	HC2 Claps 2	707 Claps 2
40	85St Snare1	Std.2 Snare2	85St Snare1	IPopSn40_1	IPopSn40_2	Mex_Snr40	82Rm Snare1	House SD	House SD	909 SD 1
	41	Real Tom 6	Real Tom 6	IPopTomLF141	IPopTomLF141	IPopTomLF141	Room Tom 5	Brush Tom	909 Tom	606 Dist.Tom
	42	Close HiHat2	Jazz Clsd.HH	IPopHat1_42	IPopHat1_42	Mex_Hat1_42	Room Chh	Room Chh	606 CH	TR-707 HH-c
	43	Real Tom 6	Real Tom 6	IPopTomL43	IPopTomL43	IPopTomL43	Room Tom 5	Brush Tom	909 Tom	606 Dist.Tom
	44	Pedal HiHat2	Pedal HiHat	IPopHat2_44	IPopHat2_44	Mex_Hat2_44	Pedal HiHat	Pedal HiHat	Jungle HH	CR-78 chh
	45	Real Tom 4	Real Tom 4	IPopTomMF145	IPopTomMF145	IPopTomMF145	Room Tom 2	Brush Tom	909 Tom	606 Dist.Tom
	46	Open HiHat2	Jazz Open HH	IPopHat3_46	IPopHat3_46	Mex_Hat3_46	R8 Ohh2	R8 Ohh2	606 HiHat Op	909 OH
	47	Real Tom 4	Real Tom 4	IPopTomM47	IPopTomM47	IPopTomM47	Room Tom 2	Brush Tom	909 Tom	606 Dist.Tom
	48	Real Tom 1	Real Tom 1	IPopTomHF148	IPopTomHF148	IPopTomHF148	Room Tom 2	Brush Tom	909 Tom	606 Dist.Tom
	49	Crash Cym.1	Crash Cym.1	CrashTc B	IPopCym12_52	IPopCym1_49	IPopCym1_49	Crash Cym.1	909 Crash	Jngl Crash
	50	Real Tom 1	Real Tom 1	Real Tom 1	IPopTomH50	IPopTomH50	IPopTomH50	Room Tom 2	Brush Tom	909 Tom
	51	Ride Cymbal	Ride Cymbal	Ride_c B	IPopRd1_51	IPopRd1_51	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal
	52	ChinaCymbal	ChinaCymbal	ChinaCymbal	IPopCym1_49	IPopCym12_52	ChinaCymbal	ReverseCymb1	ReverseCymb1	ReverseCymb1
	53	Ride Bell	Ride Bell	Ridbl_c B	IPopRd2_55	IPopRd2_55	Ride Bell	Ride Bell	Ride Bell	Ride Bell
	54	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Shake Tamb	Shake Tamb	Shake Tamb
	55	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.	Splash Cym.
	56	Cowbell	Cowbell	ChaChaCBell	ChaChaCBell	Cowbell	808cowbe	808cowbe	808cowbe	808cowbe
	57	Crash Cym.2	Crash Cym.2	Crash Cym.2	NewRkCrCym2	NewRkCrCym2	Crash Cym.2	Crash Cym.2	Crash Cym.2	909 Crash
	58	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap
	59	Ride Cymbal	Ride Cymbal	Ride Cymbal	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
	61	Bongo Lo	Bongo Lo	NewLoBongo	NewLoBongo	NewLoBongo	Bongo Lo	Bongo Lo	Bongo Lo	CR78 LoBongo
	62	Mute H.Conga	Mute H.Conga	Mute H.Conga	NewCongaSlp	NewCongaSlp	Mute H.Conga	Mute H.Conga	Mute H.Conga	808 Conga
	63	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn	NewCongaOp	NewCongaOp	Conga Hi Opn	Conga Hi Opn	Conga Hi Opn	808 Conga
	64	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn	NewLoConga	NewLoConga	Conga Lo Opn	Conga Lo Opn	Conga Lo Opn	808 Conga
	65	High Timbale	High Timbale	High Timbale	NewTmb1Hi	NewTmb1Hi	High Timbale	High Timbale	High Timbale	High Timbale
	66	Low Timbale	Low Timbale	Low Timbale	NewTmb1Lo	NewTmb1Lo	Low Timbale	Low Timbale	Low Timbale	Low Timbale
	67	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
	68	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo	Agogo
	69	Cabasa	Cabasa	Cabasa	NewShaker2	NewShaker2	Cabasa	Cabasa	Cabasa	Cabasa
	70	Maracas	Maracas	Maracas	NewShaker1	NewShaker1	Maracas	808marac	808marac	808marac
	71	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle	ShrtWhistle
	72	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle	LongWhistle
	73	Short Guiro	Short Guiro	Short Guiro	NewQuide1	NewQuide1	Short Guiro	Short Guiro	Short Guiro	Short Guiro
	74	Long Guiro	Long Guiro	Long Guiro	NewQuide2	NewQuide2	Long Guiro	CR78 Guiro	CR78 Guiro	CR78 Guiro
	75	Claves	Claves	Claves	NewClaves	NewClaves	Claves	808clave	808clave	808clave
	76	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock
	77	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock	Woodblock
	78	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Hoo	Hoo	Hoo
	79	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Hoo	Hoo	Hoo
	80	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl	MuteTriangl
	81	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl	OpenTriangl
	82	Shaker	Shaker	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	Jingle Bell
C6	Bell Tree	Bar Chimes	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
	85	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets
	86	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
	87	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo
	88	Applause 2	Applause 2	Applause 2	Cana	Cana	Applause 2	Small Club	Small Club	Applause 2
	89	---	---	---	NewTmb1HiFim	NewTmb1HiFim	---	Rap Snare	Jngl BD Roll	Dance Snare1
	90	---	---	---	NewTmb1LoFim	NewTmb1LoFim	---	Power Snare2	Jngl SD Roll	Elec Snare 2
	91	---	---	---	NewTmb1PHS	NewTmb1PHS	---	Noise Slap	66sn260	Dance Snare1
	92	---	---	---	NewShekere1	NewShekere1	---	85St Snare1	Dance Snare1	House SD
	93	---	---	---	NewShekere2	NewShekere2	---	85St Snare2	909 SD 1	Rap Snare
	94	---	---	---	NHBngoMute	NHBngoMute	---	82Rm Snare1	Elec Snare 2	House SD
	95	82Rm Snare2	---	85St BsDrum1	NewLBngoMute	NewLBngoMute	85St Snare2	82Rm Snare2	Dance Snare1	Dance Snare1
C7	82Rm Snare1	---	85St BsDrum2	CajonHi	CajonHi	85St Snare1	Dance Snare1	Rap Snare	Rap Snare	Rap Snare



	PC: 13 [CC32: 4]	PC: 14 [CC32: 4]	PC: 17 [CC32: 4]	PC: 18 [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	Std.2 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
	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
	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	IPopGstS39_2	IPopGstS39_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	GospelHClp1	GospelHClp1	Mtrnm.Click	Mtrnm.Click	Mtrnm.Click
	34	...	Mtrnm. Bell	Mtrnm. Bell	Mtrnm. Bell	NewRkSnRll	NewRkSnRll	Mtrnm. Bell	Mtrnm. Bell	Mtrnm. Bell
	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	NewRockSn1_1	NewRockSn1_1	Elec. Snare	808 Snare 1	Dance Snare1	CR78 SD 1
	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	606 Ride Cym
	42	...	82RmClshatB	TR-707 HH-c	Close HiHat2	NewRkHat1	NewRkHat1	Jazz ClddHH	TR-808 CHH	CR-78 chh
	43	...	Room Tom 5	909 Tom	Room Tom 4	NewRkTomL2	NewRkTomL2	Synth Drum 2	808 Tom 2	606 Tom
	44	...	Pedal HiHat	CR-78 chh	Pedal HiHat2	NewRkHat2	NewRkHat2	PedH HiHat	808_chh	808_chh
	45	...	Room Tom 2	909 Tom	Room Tom 4	NewRkTomL1FI	NewRkTomL1FI	Synth Drum 2	808 Tom 2	606 Tom
	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	606 Tom
	48	...	Room Tom 2	909 Tom	Room Tom 4	NewRkTomHFI	NewRkTomHFI	Synth Drum 2	808 Tom 2	606 Tom
	49	...	Crash 1 C	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	606 Tom
	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
	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
	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
	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	Small Club	Small Club	Applause 2	Small Club	Small Club
	89	...	66sn260	...	NewTmbHIFilm	NewTmbHIFilm	...	66sn260	...	...
	90	...	Dance Snare1	...	NewTmbLoFilm	NewTmbLoFilm	...	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	...	...
	96	...	85Rm BsDrum2	House 5D	...	CajonHi	...	Rap Snare	...	...

G-70 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: 4 [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	FIlmncHClp1	FIlmncHClp1	FIlmncHClp1	Std.2 Snare2	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	
	101) Tight Snare	Tight Snare	Real Tom 6	FIlmncHClp1	FIlmncHClp1	FIlmncHClp1	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	
	C8)	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	82JzCrSymb1P	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	FIlmncFVox1	FIlmncFVox1	FIlmncFVox1	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	FIlmncFVox2	FIlmncFVox2	FIlmncFVox2	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	FIlmncFVox3	FIlmncFVox3	FIlmncFVox3	Elec Snare 3	909 Snare 1	909 Snare 1	909 Snare 1	
C9)	118) TR-707 SD	TR-707 SD	825tOpenHatP	NewWhistle2	NewWhistle2	NewWhistle2	TR-707 SD	909 Snare 2	909 Snare 2	909 Snare 2	
	119) 808 Snare 1	808 Snare 1	---	FIlmncMVox1	FIlmncMVox1	FIlmncMVox1	808 Snare 1	909 SD 1	909 SD 1	909 SD 1	
	120) 808 Snare 2	808 Snare 2	---	FIlmncMVox2	FIlmncMVox2	FIlmncMVox2	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	---	FIlmncMVox3	FIlmncMVox3	FIlmncMVox3	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	
G9)	126) House Snare	House Snare	---	p33137v	p33137v	p33137v	House Snare	Voice Tah	Voice Tah	Voice Tah	
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: 18 [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	FIlmncHClp1	FIlmncHClp1	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	Lo Fi Rave	
	101) Room Tom 5	Bam Hit	Tight Snare	FIlmncHClp1	FIlmncHClp1	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	
	C8)	108) 82RmBsDrum2P	Dance Snare2	Room Snare 2	MexMVox1	MexMVox1	Dance Snare2	Dance Snare2	Dance Snare2	Dance Snare2	Dance Snare2
		109) 82JzCrSymb1P	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	FIlmncFVox1	FIlmncFVox1	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	FIlmncFVox2	FIlmncFVox2	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	FIlmncFVox3	FIlmncFVox3	909 Snare 1	909 Snare 1	909 Snare 1	909 Snare 1	909 Snare 1	
C9)	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	FIlmncMVox1	FIlmncMVox1	909 SD 1	909 SD 1	909 SD 1	909 SD 1	909 SD 1	
	120) ---	TR-909 SD2	808 Snare 2	FIlmncMVox2	FIlmncMVox2	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	FIlmncMVox3	FIlmncMVox3	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	
G9)	126) ---	Voice Tah	House Snare	p33137v	p33137v	Voice Tah	Voice Tah	Voice Tah	Voice Tah	Voice Tah	
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	2	3	4	5	6	7	8	9
	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54	55	56	57	58	59	60
	61	62	63	64	65	66	67	68	69	70
	71	72	73	74	75	76	77	78	79	80
	81	82	83	84	85	86	87	88	89	90
	91	92	93	94	95	96				
C-1	0	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18	19
	20	21	22	23	24	25	26	27	28	29
	30	31	32	33	34	35	36	37	38	39
	40	41	42	43	44	45	46	47	48	49
	50	51	52	53	54	55	56	57	58	59
	60	61	62	63	64	65	66	67	68	69
	70	71	72	73	74	75	76	77	78	79
	80	81	82	83	84	85	86	87	88	89
	90	91	92	93	94	95	96			
C1	0	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18	19
	20	21	22	23	24	25	26	27	28	29
	30	31	32	33	34	35	36	37	38	39
	40	41	42	43	44	45	46	47	48	49
	50	51	52	53	54	55	56	57	58	59
	60	61	62	63	64	65	66	67	68	69
	70	71	72	73	74	75	76	77	78	79
	80	81	82	83	84	85	86	87	88	89
	90	91	92	93	94	95	96			
C2	0	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18	19
	20	21	22	23	24	25	26	27	28	29
	30	31	32	33	34	35	36	37	38	39
	40	41	42	43	44	45	46	47	48	49
	50	51	52	53	54	55	56	57	58	59
	60	61	62	63	64	65	66	67	68	69
	70	71	72	73	74	75	76	77	78	79
	80	81	82	83	84	85	86	87	88	89
	90	91	92	93	94	95	96			
C3	0	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18	19
	20	21	22	23	24	25	26	27	28	29
	30	31	32	33	34	35	36	37	38	39
	40	41	42	43	44	45	46	47	48	49
	50	51	52	53	54	55	56	57	58	59
	60	61	62	63	64	65	66	67	68	69
	70	71	72	73	74	75	76	77	78	79
	80	81	82	83	84	85	86	87	88	89
	90	91	92	93	94	95	96			
C4	0	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18	19
	20	21	22	23	24	25	26	27	28	29
	30	31	32	33	34	35	36	37	38	39
	40	41	42	43	44	45	46	47	48	49
	50	51	52	53	54	55	56	57	58	59
	60	61	62	63	64	65	66	67	68	69
	70	71	72	73	74	75	76	77	78	79
	80	81	82	83	84	85	86	87	88	89
	90	91	92	93	94	95	96			
C5	0	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18	19
	20	21	22	23	24	25	26	27	28	29
	30	31	32	33	34	35	36	37	38	39
	40	41	42	43	44	45	46	47	48	49
	50	51	52	53	54	55	56	57	58	59
	60	61	62	63	64	65	66	67	68	69
	70	71	72	73	74	75	76	77	78	79
	80	81	82	83	84	85	86	87	88	89
	90	91	92	93	94	95	96			
C6	0	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18	19
	20	21	22	23	24	25	26	27	28	29
	30	31	32	33	34	35	36	37	38	39
	40	41	42	43	44	45	46	47	48	49
	50	51	52	53	54	55	56	57	58	59
	60	61	62	63	64	65	66	67	68	69
	70	71	72	73	74	75	76	77	78	79
	80	81	82	83	84	85	86	87	88	89
	90	91	92	93	94	95	96			
C7	0	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18	19
	20	21	22	23	24	25	26	27	28	29
	30	31	32	33	34	35	36	37	38	39
	40	41	42	43	44	45	46	47	48	49
	50	51	52	53	54	55	56	57	58	59
	60	61	62	63	64	65	66	67	68	69
	70	71	72	73	74	75	76	77	78	79
	80	81	82	83	84	85	86	87	88	89
	90	91	92	93	94	95	96			



	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	---	---
G9	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 ---	---	---	---	---	---	---	---	---	---
G9	127 ---	---	---	---	---	---	---	---	---	---

G-70 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: 52 [CC32: 4] Oriental	PC: 128 [CC32: 4] CM-64/32L	PC: 117 [CC32: 1] ORIENTAL PERC.SET 1	PC: 117 [CC32: 2] ORIENTAL PERC.SET 2	PC: 117 [CC32: 3] Oriental 3
C-1	0	---	---	HipHop BD1	---	---	---	---
	1	---	---	Jazz Kick 1	---	---	---	---
	2	---	---	p05002v	---	---	---	---
	3	---	---	85Rm BsDrum1	---	---	---	---
	4	---	---	85Rm BsDrum2	---	---	---	---
	5	---	---	HipHop BD2	---	---	---	---
	6	---	---	Techno BD1	---	---	---	---
	7	---	---	JungLeBD Set	---	---	---	---
	8	---	---	HipHop BD1	---	---	---	---
	9	---	---	909 Comp BD	---	---	---	---
	10	---	---	85St BsDrum1	---	---	---	---
	11	---	---	NewJzKik	---	---	---	---
C0	12	---	---	NewRockKik	---	---	---	Wadaiko
	13	---	---	Cymbal Roll	---	---	---	Ohkawa
	14	---	---	NewRkCStk_2	---	---	---	Shimedaiko
	15	---	---	82Rm Snare1	---	---	---	H kotsuzumi
	16	---	---	82Rm Snare2	---	---	---	L Kotsuzumi
	17	---	---	85St Snare1	---	---	---	Tabla_Ge
	18	---	---	85St Snare2	---	---	---	Tabla_Na
	19	---	---	NewJzSn2	---	---	---	Tabla_Te
	20	---	---	NewJzSn1	---	---	---	Tabla_Tun
	21	---	---	NewR&BSn	---	---	---	Udo_Long
	22	---	---	NewRockSn2_2	---	---	---	Djembe_rim
	23	---	---	NewRockSn1_2	---	---	---	909 HandClap
C1	24	---	---	iPopSn38_2	---	---	---	Tambourine
	25	---	---	iPopGst39_2	---	---	---	ChaChaCBell
	26	---	---	iPopSn38_2	---	---	---	Agogo
	27	---	---	FingerSnaps2	---	---	---	Agogo
	28	---	---	909 HandClap	---	---	---	NewShaker2
	29	---	---	808clap	---	---	---	NewShaker1
	30	---	---	Hand clap2	---	---	---	iPopSn40_1
	31	A.Bs.Mute Nz	---	909 HandClap	---	---	---	Elec Snare 2
	32	A.Bs.TouchNz	Rev. LVCHH 2	iPopPhat32	---	---	---	909 Snare 2
	33	A.Bs.AttackNz	Rev. LVCHH 2	GospelHC1p1	---	---	---	909 Snare 1
	34	DstGT.MuteNz	Rev. LVCHH 2	p35010v	---	---	---	Elec Kick 2
	35	StlGt.SldNz1	Rev. LVCHH 2	p05006v	TR-707 BD	Kick 1	---	TR-909 BD2
C2	36	StlGt.SldNz2	Close HiHat2	p33079v	TR-707 BD	Kick 1	Bass Drum (TR-707)	Std.2 Kick 1
	37	StlGt.SldNz3	Jazz Clsd.HH	p33146v	TR-707 Rim	Side Stick	Rim Shot (TR-707)	iPopCStk37_1
	38	StlGt.SldNz4	Close HiHat2	p32011v	TR-707 SD	Fat Snare	Snare Drum (TR-707)	iPopSn38_1
	39	Gt.StrokeNz1	Room Chh	p43001v	Hand Clap 22	Hand Clap	Hand Clap 1 (Stereo)	HandClap1st
	40	Gt.StrokeNz2	TR-707 HH-c	p33137v	TR-707 SD	Elec. Snare	Hand Clap 2 (Mono)	Hand Clap 21
	41	Gt.StrokeNz3	606 CH	p33168v	Tom	Tom	Tom 1 (from Standard Set)	TR-707 SD
	42	Gt.StrokeNz4	TR-808 CHH	p33012v	TR-707 HH-c	Close HiHat	Closed Hi-Hat (TR-707)	Jazz Clsd.HH
	43	Gt.StrokeNz5	CR-78 chh	p34001v	Tom	Tom	Tom 2 (from Standard Set)	Real Tom 6
	44	Open CD Tray	GS Pedal HH	p33014v	TR-707 HH-c	Open HiHat2	Closed Hi-Hat (TR-707)	Pedal HiHat
	45	Audio Switch	Pedal HiHat	p33157v	Tom	Tom	Tom 3 (from Standard Set)	Real Tom 4
	46	Key Typing 1	Pedal HiHat2	p33019v	TR-707 HH-o	Open Hi Hat	Open Hi-Hat (TR-707)	Jazz Open HH
	47	Key Typing 2	Half OpenHH1	p33164v	Tom	Tom	Tom 4 (from Standard Set)	Real Tom 4
	48	Key Typing 3	Half OpenHH2	p33159v	Tom	Tom	Tom 5 (from Standard Set)	iPopTomL43
C3	49	Key Typing 4	Open HiHat2	p35029v	TR-707 Crash	GS Crash	Crash Cymbal (TR-707)	Crash Cym.1
	50	Key Typing 5	Open HiHat2	p33158v	Tom	Tom	Tom 6 (from Standard Set)	iPopTomM47
	51	Key Typing 6	Open Hi Hat	p43002v	Ride Cymbal	Ride Cymbal	Ride Cymbal (from Standard Set)	NewRkRdCym1
	52	BabyLaughing	Jazz Open HH	cym013v	Dholla2 Dom2	---	Doholla 1 Rim 1	iPopRd2_55
	53	Clap Hit	909 OH	p45002v	Dholla 2 Sak	---	Doholla 1 Dom	Dholla Dom
	54	Stab1 1	TR-707 OHH	p36017v	Tambourine	Tambourine	Finger Doff A	Dholla Sak 1
	55	Stab1 2	606 HiHat Op	p34109v	Dholla2 Rim1	---	Doholla 1 Rim 2	Dholla Sak 2
	56	Bounce Hit	TR-808 OHH	p36019v	Cowbell	Cowbell	Cowbell (from Standard Set)	Dholla Sak 3
	57	Boeeeen	CR-78 ohh	p44001v	Dholla2 RimC	---	Doholla 1 Sak	Dholla Rim
	58	Glass & Glam	Crash Cym.1	p36009v	Cabasa	---	Dof 2 Dom	Dholla Raka
	59	Ice Ring	GS Crash	AfAahhh	Doff 2 Dom 2	---	Dof 1 Rim 1	Dholla Tak 1
C4	60	Crack Bottle	Hard Crash	NewHiBongo	Doff2 Sak 1B	High Bongo	Dof 1 Dom	Dholla Tak 2
	61	Pour Bottle	Brush Crash	NewLoBongo	Low Bongo	Low Bongo	Dof 1 Sak 1	DofDom 1
	62	Soda	Hard Crash	NewConga5lp	Doff 2 Sak 2	Mute Conga	Dof 1 Rim 2	DofDom 2
	63	Car Engine 2	909 Crash	NewCongaOp	High Bongo	Conga	Dof 1 Sak 2	DofDom 3
	64	Car Horn	Jingl Crash	NewLoConga	Doff 2 Rim 3	Conga	Tabla 1 Tak 1	Tabla Tak 1
	65	R.Crossing	808 Crash	NewTmbiHi	Tabla1 Dom 2	Timbales	Tabla 1 Tak 2	DofTak 2
	66	SL 1	Crash Mute 2	NewTmbiLo	Tabla Roll	Timbales	Tabla Roll	DofTak 1
	67	SL 2	Crash Mute 1	Agogo	Tabla 2 Sak	Agogo	Tabla 1 Dom	DofRim 1
	68	Over Blow	Crash Mute 2	Agogo	Tabla Fx	Agogo	Tabla (FX) (Roll End)	DofSak 2
	69	Sword Boom!	Crash Mute 2	NewShaker2	Tabla2 Tak1D	Cabasa	Tabla 1 Tak 3	DofRim 2
	70	Sword Cross	Crash Mute 1	NewShaker1	Tabla 2 Tik	Maracas	Tabla 1 Sak	DofSak 3
	71	Industry Hit	Crash Mute 2	ShrtWhistle	Tabla2 Rim 2	ShrtWhistle	Tabla 1 Rim	DofFinger 1
C5	72	Drill Hit	rev.trn_crm	LongWhistle	Rek 2 Dom 1B	LongWhistle	Rek Trill	DofFinger 2
	73	Compressor	rev.trn_crm	NewQuide1	Rek 2 Rim 2	Vibraslap	Rek 1 Sak	Tabla Raka 1
	74	Thrill Hit	Reverse Cym.	NewQuide2	Rek Dom 1	---	Rek 1 Tak 1	Rek 2 Dom Closed
	75	Explosion 2	rev.trn_crm	NewClaves	Rek 2 Tak 1	Claves	Rek 1 Rim	Rek 2 Rim
	76	Seal	Splash Cym.	Woodblock	Rek 2 Tak 2C	Laughing	Rek 1 Dom	Rek 2 Dom Open
	77	Fancy Animal	Ride Bell	Woodblock	Rek 2 Sak 1	Screaming	Rek 1 Tak 2	Rek 2 Tak 1
	78	Cricket	Ride Bell	Mute Cuica	Hager 2	Punch	Rek 1 Brass	Rek 2 Khana Open
	79	Baert	Ride Bell	Open Cuica	Rek2Khan Cl2	Heart Beat	Rek 1 Tak 3	Rek 2 Tak 2
	80	Frog Vpoc	Brush RideBL	MuteTriangl	Zir 2	Footsteps	Rek 1 Roll	Rek 2 Roll
	81	Wind 2	Ride Cymbal	OpenTriangl	Rek2Khan Op2	Footsteps	Rek 1 Khana Closed	Rek 2 Khana Closed
	82	Scratch 3	Ride Cymbal	Shaker	Rek 2 Roll	Applause	Tabl Noueri Rim	Tabl Noueri Rim
	83	Scratch 4	Ride Cymbal	Jingle Bell	Rek 2 Sak 1	Creaking	Rek 1 Khana Open	Rek 2 Tak 3
C6	84	Scratch 5	Brush Ride	Bell Tree	Sagat Mid	Door	Sagat Mid	Sagat Mid
	85	Scratch 6	606 Ride Cym	Castanets	Sagat Hi	Scratch	Tabl Noueri Dom 1	Tabl Noueri Dom 2
	86	Scratch 7	TR808 Ride	Mute Surdo	Sagat Sak	Wind Chimes	Sagat High	Sagat High
	87	Noise Attack	ChinaCymbal	Open Surdo	Jingle Bell	Car-Engine	Tabl Noueri Tak 1	Tabl Noueri Tak 2
	88	Bounce	China Cym2	Cana	Zaghrouta5m3	Car-Stop	Sagat Sak	Sagat Sak
	89	Dist Knock	Hand clap2	NewTmbiHiFilm	ZaghroutaEd3	Car-Pass	Hager	Bongos Dom
	90	xxx	HC2 Claps 2	NewTmbiLoFilm	TablaNurDom3	Car-Crash	Zir	Nakrazan A
	91	---	808clap	NewTmbiPHS	Nakrazhan 1	Siren	Nakrazan A	Bongos Tak
	92	---	808clap	NewShekere1	TablaNurRim2	Train	Zaghrouta 1 Loop	Zaghrouta 1 Loop
	93	---	HC2 Claps 2	NewShekere2	Nakrazhan 2	Jetplane	Nakrazhan B	Bongos Rim
	94	---	909 HandClap	NHBngomute	TablaNurTak2	Helicopter	Zaghrouta 2 End	Zaghrouta 1 End
	95	---	HC2 Claps 2	NewLbngomute	TR-707 BD	Starship	Zaghrouta 2 Loop	Zaghrouta 2 Loop
C7	96	---	707 Claps	CajonHi	Hand Clap 1	Shn Shot	Zaghrouta 2 End	Mazhr Dom

	PC: 32 [CC32: 4] MultiDrum	PC: 65 [CC32: 4] Or. R&B	PC: 66 [CC32: 4] Or. Techno	PC: 78 [CC32: 4] TR-909 XV	PC: 117 [CC32: 4] Oriental 4	
C-1	0	IPopCym1_52	House Kick	House Kick	-----	---
	1	IPopRd1_51	HipHop Kick	HipHop Kick	-----	---
	2	R&B Snare	TR-808 Kick	SimpleKick	-----	---
	3	R&B Clap	909 Kick2	909 Kick2	-----	---
	4	Techno Snare	HipHopSnare2	HipHopSnare2	-----	---
	5	House Snare	Techno Snare	Techno Snare	-----	---
	6	Jungle Snare	TR-808 SD2	R&B Snare	-----	---
	7	Ps Snare	R&B Clap	R&B Clap	-----	---
	8	909 Snare	707 Claps	707 Claps	-----	---
	9	909Snare2	344Tambourn	344Tambourn	-----	---
	10	909 Kick 3	R&B OHHsh	TR-909 OHHsh	-----	---
	11	House Kick	R&B OHH	TR-909 OHH	-----	---
C0	12	TR-808 Kick	Wadaiko	Wadaiko	-----	---
	13	909 Kick	Ohkawa	Ohkawa	-----	---
	14	909 Kick2	Shimedaiko	Shimedaiko	-----	---
	15	TR-909 OHHsh	H kotsuzumi	H kotsuzumi	-----	---
	16	TR-909 OHH	L Kotsuzumi	L Kotsuzumi	-----	---
	17	Ah	Tabla_Ge	Tabla_Ge	-----	---
	18	Ha	Tabla_Na	Tabla_Na	-----	---
	19	ShutHa	Tabla_Te	Tabla_Te	-----	---
	20	ShutHi	Tabla_Tun	Tabla_Tun	-----	---
	21	One	Udo_Long	Udo_Long	-----	---
	22	Two	Djembe_rim	Djembe_rim	-----	---
	23	Three	909 HandClap	909 HandClap	-----	---
C1	24	Four	Tambourine	Tambourine	-----	---
	25	Snare Roll	IPopHat1_42	IPopHat1_42	-----	---
	26	FingerSnaps2	IPopHat2_44	IPopHat2_44	-----	---
	27	High-Q	IPopHat3_46	IPopHat3_46	-----	---
	28	Slap	NewShaker2	NewShaker2	-----	---
	29	Scrth Push2	NewShaker1	NewShaker1	-----	---
	30	Scrth Pull2	IPopSn40st	IPopSn40st	-----	---
	31	Sticks	HipHop Snare	HipHop Snare	-----	---
	32	SquareClick	Jungle Snare	Jungle Snare	-----	---
	33	Mtrnm.Click	House Snare	House Snare	-----	---
	34	Mtrnm. Bell	808 BD	Techno BD2	-----	---
	35	HipHop Kick	909 Kick 3	TR-909 BD2	Plastic BD 1	TR-707 BD
C2	36	SimpleKick	SimpleKick	909 Kick	TR909 Kick 1	TR-707 BD
	37	Side Stick	Side Stick	TR-909 Rim	TR909 Rim	TR-707 Rim
	38	HipHop Snare	R&B Snare	909 SD 1	TR909 Snr 5	TR-707 SD
	39	707 Claps	HandClap1st	HandClap1st	TR909 Clap	Hand Clap 2
	40	HipHopSnare2	Hand Clap 21	Hand Clap 21	TR909 Snr 1	TR-707 SD
	41	85St Tom16	909Snare2	TR-909 SD2	TR909 DstTom	Tom
	42	HipHopCHH	R&B CHH	TR-707 HH-c	TR909 CHH 3	TR-707 HH-c
	43	85St Tom16	IPopKik36	IPopKik36	TR909 Tom	Tom
	44	HipHopCHH	R&B CHH	TR-707 HH-c	TR909 OHH 3	TR-707 HH-c
	45	85St Tom12	IPopCstk37st	909 Tom	TR909 DstTom	Tom
	46	HipHopOHH	R&B OHH	909 OH	TR909 OHH 3	TR-707 HH-o
	47	85St Tom12	IPopTomL43	909 Tom	TR909 Tom	Tom
C3	48	85St Tom10	IPopTomM47	909 Tom	TR909 DstTom	Tom
	49	85St CrsCym1	IPopCym1_52	909 Crash	TR909 Crash	TR-707 Crash
	50	85St Tom10	IPopTomH50	909 Tom	TR909 Tom	Tom
	51	85St RdCym	IPopRd1_51	909 Ride Cym	TR909 Ride	Ride Cymbal
	52	ChinaCymbal	IPopCym1_49	ChinaCymbal	TR909 Crash	Dholla2 Dom2
	53	85St RdBell	Dholla Dom	Dholla Dom	TR909 Ride	Dholla 2 Sak
	54	Tambourine	Dholla Sak 1	Dholla Sak 1	Tambourine 2	Tambourine
	55	Splash Cym.	Dholla Sak 2	Dholla Sak 2	TR909DsCrash	Dholla2 Rim1
	56	Cowbell	Dholla Sak 3	Dholla Sak 3	TR808Cowbell	Cowbell
	57	Crash Cym.2	Dholla Rim	Dholla Rim	TR606 Cym 1	Dholla2 RimC
	58	Vibraslap	Dholla Raka	Dholla Raka	PC-2 Machine	Cabasa
	59	Ride Cymbal	Dholla Tak 1	Dholla Tak 1	TR707 Ride	Doff 2 Dom 2
C4	60	Bongo High	Dholla Tak 2	Dholla Tak 2	Mental Perc	Doff2 Sak 1B
	61	Bongo Lo	DofDom 1	DofDom 1	Dr.Beat	Low Bongo
	62	Mute H.Conga	DofDom 2	DofDom 2	Cga Open Hi	Doff 2 Sak 2
	63	Conga Hi Opn	DofDom 3	DofDom 3	Cga Mute Hi	High Bongo
	64	Conga Lo Opn	DofTak 1	DofTak 1	Cga Open Lo	Doff 2 Rim 3
	65	High Timbale	DofTak 2	DofTak 2	Timbale	Tabla1 Dom 2
	66	Low Timbale	DofSak 1	DofSak 1	PC-2 Spacers	Tabla Roll
	67	Agogo	DofRim 1	DofRim 1	TR727 Agogo	Tabla 2 Sak
	68	Agogo	DofSak 2	DofSak 2	TR727 Agogo	Tabla Fx
	69	Cabasa	DofRim 2	DofRim 2	TMB&SKR MENU	Tabla2 Tak1D
	70	Maracas	DofSak 3	DofSak 3	TMB&SKR MENU	Tabla 2 Tik
	71	ShrtWhistle	DofFinger 1	DofFinger 1	Plastic BD 2	Tabla2 Rim 2
C5	72	LongWhistle	DofFinger 2	DofFinger 2	TR909 Kick 2	Rek 2 Dom 1B
	73	Short Guiro	Tabla Raka 1	Tabla Raka 1	TR808 Rim	Rek 2 Rim 2
	74	Long Guiro	Tabla Tak 1	Tabla Tak 1	TR909 Snr 1	Rek Dom 1
	75	Claves	Tabla Tik 1	Tabla Tik 1	CLAP MENU	Rek 2 Tak 1
	76	Woodblock	Tabla Dom	Tabla Dom	TR909 Snr 6	Rek 2 Tak 2C
	77	Woodblock	Tabla Sak	Tabla Sak	TR707 Tom	Rek 2 Sak 1
	78	Mute Cuica	Tabla Roll	Tabla Roll	TR909 CHH 3	Hager 2
	79	Open Cuica	Tabla Tak 2	Tabla Tak 2	TR707 Tom	Rek2Khan C12
	80	MuteTriangl	Tabla Raka 2	Tabla Raka 2	TR909 PHH 2	Zir 2
	81	OpenTriangl	Tabla Rim 1	Tabla Rim 1	TR707 Tom	Rek2Khan Op2
	82	Shaker	Tabla Toks	Tabla Toks	TR909 OHH 1	Rek 2 Roll
	83	Jingle Bell	Tabla Rim 2	Tabla Rim 2	Beam HIQ	Rek 2 Sak 1
C6	84	Bell Tree	Tabla Tik 2	Tabla Tik 2	HIT MENU 1	Sagat Mid
	85	Castanets	Rek Raka	Rek Raka	May Day Perc	Sagat Hi
	86	Mute Surdo	Rek Dom	Rek Dom	Techno Scene	Sagat Sak
	87	Open Surdo	Rek Trill	Rek Trill	Air Gun	Jingle Bell L
	88	ReverseCymb	Rek Tak 1	Rek Tak 1	Tekno Hit	Zaghrouta5m3
	89	Hoo	Rek Rim	Rek Rim	Organ Hit 2	ZaghroutaEd3
	90	Hoo	Rek Brass 1	Rek Brass 1	Analog Bird	TablaNurDom3
	91	MuteTriangl	Rek Tok	Rek Tok	Retro UFO	Nakrazhan 1
	92	OpenTriangl	Rek Brass 2	Rek Brass 2	ElectronFall	TablaNurRim2
	93	MuteTriangl	Rek Tak 2	Rek Tak 2	JP8000 FBK	Nakrazhan 2
	94	OpenTriangl	Rek Sak	Rek Sak	SNR MENU 2	TablaNurTak3
	95	808 Tom 2	Rek Tik	Rek Tik	TR808 Kick 1	TR-707 BD
C7	96	808 Tom 2	Mazhar Dom	Mazhar Dom	KICK MENU 2	Hand Clap 1

	PC: 61 [CC32: 4] SFX 2	PC: 63 [CC32: 4] CYM&CLAPS 2	PC: 64 [CC32: 4] V-VoxDrum	PC: 52 [CC32: 4] Oriental	PC: 128 [CC32: 4] CM-64/32L	PC: 117 [CC32: 1] ORIENTAL PERC.SET 1	PC: 117 [CC32: 2] ORIENTAL PERC.SET 2	PC: 117 [CC32: 3] Oriental 3
(C7)	96	---	707 Claps	CajonHi	Hand Clap 1	Gun Shot	Zaghroua 2 End	Zaghroua 2 End
	97	---	---	CajonHiFlm	---	Machine Gun	---	Mazhar Tak
	98	---	---	CajonLo	---	LaserGun	---	Mazhar Sak
	99	---	---	CajonLoFlm	---	Explosion	---	Mazhar Brass
	100	---	---	FilmcoHClp1	---	Dog	---	Sagat Mid
	101	---	---	FilmcoHClp1	---	HorseGallop	---	Sagat Hi
	102	---	---	BongoCowBell	---	Bird	---	Sagat Closed
	103	---	---	AfHey	---	Rain	---	Sagat Sak
	104	---	---	MamboCowBell	---	Thunder	---	Dofs Tak
	105	---	---	MexFVox2	---	Wind	---	Dofs Dom
	106	---	---	AfFoods	---	Seashore	---	Dofs Sak
	107	---	---	MexFVox1	---	Stream	---	Dofs Rim 1
C8	108	---	---	MexMVox1	---	Bubble	---	Dofs Rim 2
	109	---	---	YodelFVox1	---	---	---	Dofs Dom st.
	110	---	---	MexMVox2	---	---	---	TablaNurDom
	111	---	---	YodelMVox1	---	---	---	Dofs Sak st.
	112	---	---	MexMVox3	---	---	---	TablaNurRim
	113	---	---	FilmcoFVox1	---	---	---	TablaNurTak
	114	---	---	YodelFVox2	---	---	---	TablaNurSak
	115	---	---	FilmcoFVox2	---	---	---	BassSlideFX
	116	---	---	NewWhistle1	---	---	---	BassSlapFX
	117	---	---	FilmcoFVox3	---	---	---	ZaghrouaSm2
	118	---	---	NewWhistle2	---	---	---	Zir 1
	119	---	---	FilmcoMVox1	---	---	---	ZaghrouaEd2
C9	120	---	---	FilmcoMVox2	---	---	---	NewHiBongo
	121	---	---	BrazilVox1	---	---	---	NewLoBongo
	122	---	---	FilmcoMVox3	---	---	---	NewCongaSlp
	123	---	---	BrazilVox2	---	---	---	NewCongaOp
	124	---	---	BrazilVox3	---	---	---	NewLoConga
	125	---	---	AfAahhh	---	---	---	NewTmbHi
	126	---	---	p33137v	---	---	---	NewTmbLo
G9	127	---	---	p33168v	---	---	---	Hager 1

	PC: 32 [CC32: 4] MultiDrum	PC: 65 [CC32: 4] Or. R&B	PC: 66 [CC32: 4] Or. Techno	PC: 78 [CC32: 4] TR-909 XV	PC: 117 [CC32: 4] Oriental 4
(C7)	96	808 Tom 2	Mazhar Dom	Mazhar Dom	KICK MENU 2
	97	808 Tom 2	Mazhar Tak	Mazhar Tak	MCS00 Beep 1
	98	808 Tom 2	Mazhar Sak	Mazhar Sak	MCS00 Beep 2
	99	808 Tom 2	Mazhar Brass	Mazhar Brass	-----
	100	808 Tom 2	Sagat Mid	Sagat Mid	-----
	101	808cowbe	Sagat Hi	Sagat Hi	-----
	102	808 Conga	Sagat Closed	Sagat Closed	-----
	103	808 Conga	Sagat Sak	Sagat Sak	-----
	104	808 Conga	Dofs Tak	Dofs Tak	-----
	105	Synth Drum 2	Dofs Dom	Dofs Dom	-----
	106	Synth Drum 2	Dofs Sak	Dofs Sak	-----
	107	Synth Drum 2	Dofs Rim 1	Dofs Rim 1	-----
C8	108	Synth Drum 2	Dofs Rim 2	Dofs Rim 2	-----
	109	Synth Drum 2	Dofs Dom st.	Dofs Dom st.	-----
	110	Synth Drum 2	TablaNurDom	TablaNurDom	-----
	111	R&B OHHsh	Dofs Sak st.	Dofs Sak st.	-----
	112	R&B OHH	TablaNurRim	TablaNurRim	-----
	113	R&B CHH	TablaNurTak	TablaNurTak	-----
	114	R&B OHH	TablaNurSak	TablaNurSak	-----
	115	TR-909 CHH	BassSlideFX	BassSlideFX	-----
	116	TR-909 OHH	BassSlapFX	BassSlapFX	-----
	117	909 Crash	ZaghrouaSm2	ZaghrouaSm2	-----
	118	IPopKik36	Zir 1	Zir 1	-----
	119	IPopCstk37st	ZaghrouaEd2	ZaghrouaEd2	-----
C9	120	IPopSn38st	NewHiBongo	NewHiBongo	-----
	121	IPopSn40st	NewLoBongo	NewLoBongo	-----
	122	IPopHat1_42	NewCongaSlp	NewCongaSlp	-----
	123	IPopHat2_44	NewCongaOp	NewCongaOp	-----
	124	IPopHat3_46	NewLoConga	NewLoConga	-----
	125	IPopTomL43	NewTmbHi	NewTmbHi	-----
	126	IPopTomM47	NewTmbLo	NewTmbLo	-----
G9	127	IPopTomHS0	Hager 1	Hager 1	-----



## 3. Styles

8 Beat	CC00	CC32	BPM	TS
P1 Euro Ballad	6	80	55	4/4
Love Beat	6	90	66	4/4
Fast Beat	6	83	110	4/4
So Easy	6	84	102	4/4
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
P2 Heart Beat	6	89	152	4/4
Night Pop	6	94	58	4/4
Simple Rock	1	65	90	4/4
Cool Pop	6	98	108	4/4
Happy Pop	16	21	103	4/4
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
P3 Fast Pop	6	97	145	4/4
80's Pop	6	86	178	4/4
Rock Beat	1	66	80	4/4
Sunny Pop	6	102	104	4/4
Color Beat	6	104	118	4/4
Half Beat	6	95	130	4/4
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
P4 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
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 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
Smile Pop	7	93	100	4/4
Analog Beat	7	96	85	4/4
P2 Moonlight Pop	7	94	98	4/4
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
Home Pop	7	55	80	4/4
Power Pop	7	56	80	4/4
Electro Beat	7	57	85	4/4
P3 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
Dream Ballad	7	97	70	4/4
Live Band	CC00	CC32	BPM	TS
P1 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
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 Soft Rock	1	60	91	4/4
Happy Beat	1	64	104	4/4
Bright Rock	1	59	107	4/4
Easy Rock	1	61	131	4/4
Electro Rock	1	62	126	4/4
New Metal	1	63	83	4/4
Light Rock	1	35	86	4/4
Groovy Rock	1	36	101	4/4
Smooth Rock	1	37	106	4/4
Big Rock	1	38	120	4/4
P2 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 Euro Dance	66	5	140	4/4
Dream Dance	66	3	130	4/4
Ibiza Dance	66	6	132	4/4
Ibiza Night	66	12	140	4/4
House Maillorca	66	10	130	4/4
Club House	66	9	134	4/4
DJ Techno	66	7	140	4/4
Hard Techno	66	8	146	4/4
80's Techno	66	2	130	4/4
Ballerman	5	48	134	4/4
P2 Latin Dance	22	39	104	4/4
Gipsy Dance	61	7	122	4/4
Barry Dance	66	13	132	4/4
70's Disco	66	4	124	4/4
Disco Schlager	5	46	130	4/4
Latin Schlager	5	47	122	4/4
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
P3 Meneaito	22	38	100	4/4
Disco Gully	66	11	142	4/4
Latin Disco	2	92	130	4/4
Contemporary	CC00	CC32	BPM	TS
P1 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
Funky	3	27	103	4/4
Funky Pop	3	26	108	4/4
P2 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 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	125	4/4
Samba	27	21	113	4/4
Cha Cha	24	14	130	4/4
Rhumba	23	11	110	4/4
Paso Doble	40	4	123	4/4
P2 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
Paso Doble 3	40	6	122	4/4
P3 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
Folk Tango 1	26	13	115	4/4
P4 Folk Tango 2	26	14	118	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 Midnight SlSwing	12	35	56	4/4
Big Band Slow	14	18	61	4/4
Big Band Medium	14	19	125	4/4
Big Band Fast	14	20	170	4/4
Swing Medium	12	31	130	4/4
Modern Med Swing	12	33	113	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	140	4/4
P2 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	85	4/4
Medium Jazz	13	16	100	4/4
Smooth Med Swing	13	17	110	4/4
Scat Swing	12	23	125	4/4
P3 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
Blues	44	14	60	4/4
Fast Blues	44	17	126	4/4
R&B	44	18	106	4/4
50's & 60's	CC00	CC32	BPM	TS
P1 Oldies	5	33	130	4/4
Dream Slow Rock	5	32	71	4/4
Rock'N Slow	5	35	125	4/4
60's Rock'N	5	37	180	4/4
Go! Rock'N	5	36	160	4/4
Blue Boogie	5	38	155	4/4
Fast Surf	5	34	170	4/4
Easy Slow Rock	5	39	83	6/8
Cool Slow Rock	5	22	96	6/8
Ballad Slow Rock	5	15	90	6/8
P2 50's Slow Rock	5	16	80	4/4
Smooth Rock'N	10	22	122	4/4
Clock Rock'N	10	23	176	4/4
Good Rock'N	10	24	168	4/4
Brass Rock'N	10	25	181	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
Dixie	11	7	140	4/4

P3 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
<b>Bossa&amp;Samba</b>	<b>CC00</b>	<b>CC32</b>	<b>BPM</b>	<b>TS</b>
P1 Orchestral Bossa	70	2	98	4/4
Jazz Bossa	62	128	120	4/4
Sunshine Bossa	70	1	136	4/4
Acoustic Samba	27	23	108	4/4
Sweet Bossa	22	15	106	4/4
Club Bossa	22	16	125	4/4
Night Bossa	22	17	150	4/4
Fast Bossa	22	18	173	4/4
Guitar Bossa	22	28	100	4/4
Guitar Samba	27	12	100	4/4
P2 Brazilian Samba	27	9	102	4/4
Sambalegre	27	10	130	4/4
Jazz Latin	22	19	102	4/4
Latin Fusion	22	26	140	4/4
Piano Latin	22	27	100	4/4
<b>Latin</b>	<b>CC00</b>	<b>CC32</b>	<b>BPM</b>	<b>TS</b>
P1 Medium Gipsy	61	0	93	2/4
Fast Gipsy	61	1	120	2/4
Big Mambo	38	6	89	4/4

Mambo	38	9	92	4/4
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	125	4/4
Son	45	2	152	4/4
P2 Bomba	25	9	90	4/4
Tradit Rhumba	23	6	97	4/4
Acoustic Rhumba	23	12	130	4/4
Arg Tango	26	6	120	4/4
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
<b>World</b>	<b>CC00</b>	<b>CC32</b>	<b>BPM</b>	<b>TS</b>
P1 Orchestr SI 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	130	4/4
Country Beat	16	16	130	4/4

Easy Country	16	17	170	4/4
Country Fox	50	82	178	4/4
P2 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 SI Waltz	18	10	85	3/4
Orch SI Waltz	18	11	90	3/4
Slow Jz Waltz	17	28	106	3/4
Medium Jz Waltz	17	23	120	3/4
Classic W'Waltz	17	24	185	6/4
Classic	5	40	95	4/4
P3 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
Piano Waltz	18	12	90	3/4
Guitar Waltz	18	13	110	4/4
Country Swing	16	18	190	4/4
P4 Orchestral Waltz	17	48	200	3/4

## Program Change numbers

### Style Division Program Changes

Previous Arranger-Series Division	G-70 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  
CC00/122CC32/ 0~119 PG. XX

## 4. Parameters memorized in User Programs

### Keyboard Parts

#### Upper 1

Parameter	Setting range	Default
Tone	CC 00 0~127	80
(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	Medium
Value Min	1~127	1
Value Max	1~127	127
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
Pitch Bender:		
Assign	Auto, On, Off	Auto
Pitch	0~24	2
Modulation	Auto, On, Off	Auto
Hold FootSwitch:	Assign	Auto, On, Off
Foot Pedal:		
Assign	Off, Expression	Expression
Up	0~127	0
Down	0~127	127

#### Upper 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	Medium
Value Min		1~127	1
Value Max		1~127	127
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
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	Auto
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	Medium
Value Min	1~127	1
Value Max	1~127	127
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
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	Medium
Value Min		1-127	1
Value Max		1-127	127
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	Medium
Value Min		1-127	1
Value Max		1-127	127
Lower 2 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	Expression
Up		0-127	0
Down		0-127	127

#### M.Bass

Parameter	Setting range	Default
Tone	CC 00 0-127	80
	CC 32 0-127	4
	PC 1-128	33
Volume	CC 07 0-127	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	Medium
Value Min		1-127	1
Value Max		1-127	127

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

#### 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

#### Keyboard Mode

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

#### Split Point

Parameter	Setting range	Default
Main Split	F1-C4-F#7	C4
Upper 3 Split	F#1-G5-G7	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

#### Arranger Setting - Arranger Chord

Parameter	Setting range	Default
Zone	Left, Right, Whole, Off	Whole
Type	Standard, Piano Style, Intelligent	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
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	Auto, On, Off	Auto
Pitch	0~24	2
Hold FootSwitch	Assign	Auto, On, Off

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

#### Tuning – Transpose

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

#### D Beam

Parameter	Setting range	Default
Volume	CC 07 0~127	115
Panpot	CC 10 L63~0~R63	0
Reverb	CC 91 0~127	60
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, Monus One, Rotary S/F	Chord 2 Octv
Foot Pedal		
Assign	Off, Expression	Expression
Up	0~127	0
Down	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	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	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	1~285	Cool Live Band
Song Link	Off, Link Song	Off
MIDI Link	Off, 1~8	Off
Master Reverb Level	0~127	64
Master Chorus Level	0~127	64

#### 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	Setting Range	Default
Gender		
Male	Closed Vintage, 2 Men, Radio, Normal, Closed Pad, Out of Tune, Mounth, 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	-14
	Panpot L64-0-R63	R55
	Volume 0-127	122
Part 2	Gender -64-63	-11
	Panpot L64-0-R63	L55
	Volume 0-127	122
Part 3	Gender -64-63	13
	Panpot L64-0-R63	R55
	Volume 0-127	122
Part 4	Gender -64-63	15
	Panpot L64-0-R63	L55
	Volume 0-127	122
Common	Portamento Time 0-127	0
	Random Tuning Off, Low, Mid, High	Mid
	Portamento On, Off	Off
	Pitch Bender: On, Off	Off
	Note Wrap On, Off	On
	Octave -2-0-2	0
Vocoder EQ		
Part 1	Frequency Hz 112-6850	1450
	Gain dB -12-12	-5
Part 2	Frequency Hz 112-6850	1450
	Gain dB -12-12	-5
Part 3	Frequency Hz 112-6850	1450
	Gain dB -12-12	-5

Part 4	Frequency Hz 112-6850	1450
	Gain dB -12-12	-5
ALL Parts	Frequency Hz 116-7000	653
	Gain dB -12-12	5
	Equalizer On, Off	Off

### Vocal Harmonist – Harmony – Small

Parameter	Setting Range	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	5thUp
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	12
	Panpot L64-0-R63	L15
	Volume 0-127	127
Part 2	Gender -64-63	4
	Panpot L64-0-R63	L64
	Volume 0-127	97
Common	Portamento Time 0-127	48
	Random Tuning Off, Low, Mid, High	Mid
	Portamento On, Off	On
	Pitch Bender: On, Off	Off
	Chord Intell On, Off	On
Small 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
ALL Parts	Frequency Hz 116-7000	3700
	Gain dB -12-12	2
	Equalizer On, Off	On

### 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, Wide4, 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
		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
		0~100	55
Delay > Rev Send		0~127	51
		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	
		0~100	55	
Delay > Rev Send		0~127	20	
		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	
		0~100	55	
Delay > Rev Send		0~127	20	
		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
<b>SRV Room</b>		
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
<b>SRV Hall (default)</b>		
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
<b>SRV Plate</b>		
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
<b>GM2 Reverb</b>		
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

<b>Room 1</b>		
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
<b>Room 2</b>		
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
<b>Stage 1</b>		
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
<b>Stage 2</b>		
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
<b>Hall 1</b>		
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
<b>Hall 2</b>		
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
<b>Delay</b>		
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
<b>Pan Delay</b>		
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
<b>Keyboard Part effects – Chorus</b>		
Parameter	Setting Range	Default
Chorus Level	0~127	64
Master Switch	Off, On	On
Output	Main, Rev, Main+Rev	Main
<b>Chorus 1</b>		
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
<b>Chorus 2 (default)</b>		
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
Woofers Slow Rate	0.05-10.0Hz	2.00 Hz
Tweeter Fast Rate	0.05-10.0Hz	8.00 Hz
Woofers Fast Rate	0.05-10.0Hz	8.00 Hz
Rotary Speed	Slow, Fast	Slow
Tweeter Acceleration	0-15	10
Woofers Acceleration	0-15	10
Tweeter Level	0-127	127
Woofers Level	0-127	127
Separation	0-127	127
Level	0-127	127
10 - Compressor		
Sustain	0-127	127
Attack	0-127	64
Panpot	L64-0-63R	0
Post Gain	0, +6, +12, +18 dB	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

<b>13 - Trem Chorus</b>		
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
<b>14 - Space-D</b>		
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Phase	0~180 deg	180 deg
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>15 - St.Chorus</b>		
Filter Type	OFF, LPF, HPF	HPF
Filter Cutoff	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000	1000 Hz
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Phase	0~180 deg	180 deg
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>16 - St.Flanger</b>		
Filter Type	OFF, LPF, HPF	HPF
Filter Cutoff	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000	1000 Hz
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	50
Flanger Phase	0~180 deg	180 deg
Flanger Feedback	-98%~0~98%	80 %
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>17 - Step Flanger</b>		
Flanger Pre Delay	0.0~100.0 ms	0.5 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	50
Flanger Feedback	-98%~0~98%	80 %
Step Rate	0.10~20.0Hz - note	5.00 Hz
Flanger Phase	0~180 deg	180 deg
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>18 - St.Delay</b>		
Feedback Mode	Normal, Cross	Normal
Delay Left	0.0~500.0 ms	250.0 ms
Delay Right	0.0~500.0 ms	260.0 ms
Phase Left	Normal, Invert	Normal
Phase Right	Normal, Invert	Normal
Delay Feedback	-98%~0~98%	20 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>19 - Mod Delay</b>		
Feedback Mode	Normal, Cross	Normal
Delay Left	0.0~500.0 ms	500.0 ms
Delay Right	0.0~500.0 ms	500.0 ms
Delay Feedback	-98%~0~98%	20 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Modulation Rate	0.05~10.0Hz	1.00 Hz
Modulation Depth	0~127	20
Modulation Phase	0~180 deg	180 deg
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB

Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>20 - 3 Tap Delay</b>		
Delay Left	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	250 ms
Delay Right	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	500 ms
Delay Center	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	1000 ms
Delay Feedback	-98%~0~98%	20 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Dly Level Left	0~127	127
Dly Level Right	0~127	127
Dly Level Center	0~127	127
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>21 - 4 Tap Delay</b>		
Delay 1	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	1000 ms
Delay 2	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	750 ms
Delay 3	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	500 ms
Delay 4	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	250 ms
Delay Level 1	0~127	127
Delay Level 2	0~127	127
Delay Level 3	0~127	127
Delay Level 4	0~127	127
Delay Feedback	-98%~0~98%	20 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>22 - Time Delay</b>		
Delay Time	200~1000 ms - 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2	250 ms
Delay Feedback	-98%~0~98%	20 %
Delay Acceleration	0~15	10
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Panpot	L64~0~63R	0
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>23 - 2Pitch Shift</b>		
Pitch Shift Mode	1~5	5
Pitch A Coarse	-24 semi~0~+12 semi	0 semi
Pitch B Coarse	-24~0~+12 semitone	0 semi
Pitch A Fine	-100~0~+100 cent	26 cent
Pitch B Fine	-100~0~+100 cent	-12 cent
Pitch A Pre Delay	0.0~500.0 ms	0.0 ms
Pitch B Pre Delay	0.0~500.0 ms	0.0 ms
Pitch A Panpot	L64~0~63R	0
Pitch B Panpot	L64~0~63R	0
Level Balance	A100:0B, A50:50B, A0:100B	A50:50B
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>24 - FBK Pitch</b>		
Pitch Shift Mode	1~5	3
Pitch Coarse	-24~0~+12 semitone	1 semi
Pitch Fine	-100~0~+100 cent	0 cent
Pitch Pre Delay	0.0~500.0 ms	500.0 ms
Pitch Feedback	-98%~0~98%	40 %
Panpot	L64~0~63R	0
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>25 - Reverb</b>		
Reverb Type	Room 1, Room 2, Stage 1, Stage 2, Hall 1, Hall 2	Hall 2
Reverb Pre Delay	0.0~100.0 ms	1.0 ms
Reverb Time	0~127	100

Reverb HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>26 - Gate Reverb</b>		
Reverb Type	Normal, Reverse, Sweep 1, Sweep 2	Normal
Reverb Pre Delay	0.0~100.0 ms	1.0 ms
Reverb Time	5~500 ms	55 ms
EQ Low Gain	-15dB~0~15dB	0 dB
EQ High Gain	-15dB~0~15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>27 - OD→ Chorus</b>		
Overdrive Drive	0~127	64
Overdrive Panpot	L64~0~63R	0
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>28 - OD→ Flanger</b>		
Overdrive Drive	0~127	64
Overdrive Panpot	L64~0~63R	0
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	80
<b>29 - OD→ Delay</b>		
Overdrive Drive	0~127	64
Overdrive Panpot	L64~0~63R	0
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	80
<b>30 - DST→ Chorus</b>		
Distortion Drive	0~127	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
<b>31 - DST→ Flanger</b>		
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
<b>32 - DST→ Delay</b>		
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
<b>33 - EH→ Chorus</b>		
Enhancer Sens	0~127	127
Enhancer Mix Level	0~127	64
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>34 - EH→ Flanger</b>		
Enhancer Sens	0~127	127
Enhancer Mix Level	0~127	64
Flanger Pre Delay	0.0~100.0 ms	1.0 ms

Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>35 - EH→ Delay</b>		
Enhancer Sens	0~127	127
Enhancer Mix Level	0~127	64
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	127
<b>36 - Chorus→ Dly</b>		
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	127
<b>37 - Flanger→ Dly</b>		
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	127
<b>38 - Cho→ Flanger</b>		
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>39 - Cho / Dly</b>		
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	127
<b>40 - Flanger / Dly</b>		
Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Delay Time	0.0~500.0 ms	200.0 ms
Delay Feedback	-98%~0~98%	40 %
Delay HF Damp	200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, Bypass	Bypass
Delay Balance	D100:0W, D50:50W, D0:100W	D80:20W
Level	0~127	127
<b>41 - Cho / Flanger</b>		
Chorus Pre Delay	0.0~100.0 ms	1.0 ms
Chorus Rate	0.05~10.0Hz	0.50 Hz
Chorus Depth	0~127	20
Chorus Balance	D100:0W, D50:50W, D0:100W	D50:50W

Flanger Pre Delay	0.0~100.0 ms	1.0 ms
Flanger Rate	0.05~10.0Hz	0.50 Hz
Flanger Depth	0~127	40
Flanger Feedback	-98%~0~98%	80 %
Flanger Balance	D100:0W, D50:50W, D0:100W	D50:50W
Level	0~127	127
<b>42 - Isolator</b>		
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
<b>43 - Low Boost</b>		
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
<b>44 - Super Filter</b>		
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
<b>45 - Step Filter</b>		
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
<b>46 - Humanizer</b>		
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
<b>47 - Speaker Sim</b>		
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
<b>48 - Step Phaser</b>		
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
<b>49 - Mlt Phaser</b>		
Phaser Mode	4-Stage, 8-Stage, 12-Stage, 16-Stage, 20-Stage, 24-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
<b>50 - Inf Phaser</b>		
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
<b>51 - Ring Modul</b>		
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
<b>52 - Step Ring</b>		
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
<b>53 - Tremolo</b>		
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
<b>54 - Auto Pan</b>		
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
<b>55 - Step Pan</b>		
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
<b>56 - Slicer</b>		
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
<b>57 - VK Rotary</b>		
Speed	Slow, Fast	Slow
Brake	OFF, ON	OFF
Woofers Slow Speed	0.05~10.0Hz	2.00 Hz
Woofers Fast Speed	0.05~10.0Hz	8.00 Hz
Woofers Trans Up	0~127	64
Woofers Trans Down	0~127	64
Woofers Level	0~127	127
Tweeters Slow Speed	0.05~10.0Hz	2.00 Hz
Tweeters Fast Speed	0.05~10.0Hz	8.00 Hz
Tweeters Trans Up	0~127	64
Tweeters Trans Down	0~127	64
Tweeters 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
<b>58 - 3D Chorus</b>		
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
<b>59 - 3D Flanger</b>		
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
<b>60 - 3D Step Flgr</b>		
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
<b>61 - Band Chorus</b>		
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
<b>62 - Band Flanger</b>		
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
<b>63 - Band Step Flg</b>		
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
<b>64 - VS Overdrive</b>		
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
<b>65 - VS Distortion</b>		
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
<b>66 - Gt Amp Simul</b>		
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
<b>67 - Gate</b>		
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
<b>68 - Long Delay</b>		
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
<b>69 - Serial Delay</b>		
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
<b>70 - Mlt Tap Dly</b>		
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	
<b>71 - Reverse Dly</b>		
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
<b>72 - Shuffle Dly</b>		
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
<b>73 - 3D Delay</b>		
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
<b>74 - Long Time Dly</b>		
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
<b>75 - Tape Echo</b>		
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
<b>76 - LoFi Noise</b>		
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
<b>77 - LoFi Comp</b>		
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
<b>78 - LoFi Radio</b>		
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
<b>79 - Telephone</b>		
Voice Quality	0~15	3
Treble	-15dB~0~-15dB	0 dB
Balance	D100:0W, D50:50W, D0:100W	D0:100W
Level	0~127	127
<b>80 - Phonograph</b>		
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
<b>81 - Step Pitch</b>		
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
<b>82 - Sympa Reso</b>		
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
<b>83 - Vib OD Rotary</b>		
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
<b>84 - Center Canc</b>		
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

#### I-FX Audio Input

Effects See pages 25~32 for the effect algorithms.

##### Part Outputs

Keyboard	Upper 1	Main, Direct	Main
	Upper 2	Main, Direct	Main
	Upper 3	Main, Direct	Main
	Lower 1	Main, Direct	Main
	Lower 2	Main, Direct	Main
	MBass	Main, Direct	Main
	Melody Intelligent	Main, Direct	Main
	D Beam	Main, Direct	Main
	Style	ADrums	Main, Direct
ABass		Main, Direct	Main
Accomp 1		Main, Direct	Main
Accomp 2		Main, Direct	Main
Accomp 3		Main, Direct	Main
Accomp 4		Main, Direct	Main
Accomp 5		Main, Direct	Main
Song	Part 1	Main, Direct	Main
	Part 2	Main, Direct	Main
	Part 3	Main, Direct	Main
	Part 4	Main, Direct	Main
	Part 5	Main, Direct	Main
	Part 6	Main, Direct	Main
	Part 7	Main, Direct	Main
	Part 8	Main, Direct	Main
	Part 9	Main, Direct	Main
	Part 10	Main, Direct	Main
	Part 11	Main, Direct	Main
Part 12	Main, Direct	Main	
Part 13	Main, Direct	Main	
Part 14	Main, Direct	Main	
Part 15	Main, Direct	Main	
Part 16	Main, Direct	Main	

## 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	E1-28-G7-103	
Low Note	E1-28-G7-103	
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
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### One Touch

One Touch Memory	1-4	
Main Split	F1-C4-F#7	C4
Upper 3 Split	F#1-G5-G7	G5
Keyboard Mode	Split, Whole	
Upper3 Split On/Off	On, Off	Off
Sync Start	On, Off	On
Sync Stop	On, Off	Off
Bass Inversion	On, Off	
Intro	On, Off	
Ending	On, Off	
Variation	1-4	

### Upper 1

Tone + SRX Exp	CC 00	0-127
	CC 32	0-127
	PC	1-128

Harmonic Bars	16' [0-8], 5-1/3' [0-8], 8' [0-8], 4' [0-8], 2-2/3' [0-8], 2' [0-8], 1-3/5' [0-8], 1-1/3' [0-8], 1' [0-8]
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Percussion	On, Off	
	Slow, Fast	
	2-2/3', 4'	
	Soft, Hard	

Volume	CC 07	0-127
Panpot	CC 10	Rnd, L63-0-R63
Reverb	CC 91	0-127
Chorus	CC 93	0-127
Octave		-4-0-4 0
C1	CC 16	0-127 0

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
	Part On/Off		On, Off	

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	

### Upper 2

Tone + SRX Exp.	CC 00	0-127
	CC 32	0-127
	PC	1-128

Volume	CC 07	0-127
Panpot	CC 10	Rnd, L63-0-R63
Reverb	CC 91	0-127
Chorus	CC 93	0-127
Octave		-4-0-4 0
C1	CC 16	0-127 0

### 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

Part On/Off	On, Off
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### Upper 3

Tone + SRX Exp	CC 00	0-127
	CC 32	0-127
	PC	1-128

Volume	CC 07	0-127
Panpot	CC 10	Rnd, L63-0-R63
Reverb	CC 91	0-127
Chorus	CC 93	0-127
Octave		-4-0-4 0
C1	CC 16	0-127 0

### 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

Part On/Off	On, Off
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### Lower 1

Tone + SRX Exp	CC 00	0-127
	CC 32	0-127
	PC	1-128

Harmonic Bars	16' [0-8], 5-1/3' [0-8], 8' [0-8], 4' [0-8], 2-2/3' [0-8], 2' [0-8], 1-3/5' [0-8], 1-1/3' [0-8], 1' [0-8]
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Volume	CC 07	0-127
Panpot	CC 10	Rnd, L63-0-R63
Reverb	CC 91	0-127
Chorus	CC 93	0-127
Octave		-4-0-4 0
C1	CC 16	0-127 0

### 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

Part On/Off	On, Off
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### Lower 2

Tone + SRX Exp	CC 00	0-127
	CC 32	0-127
	PC	1-128

Volume	CC 07	0-127
Panpot	CC 10	Rnd, L63-0-R63
Reverb	CC 91	0-127
Chorus	CC 93	0-127
Octave		-4-0-4 0
C1	CC 16	0-127 0

### 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

Part On/Off	On, Off
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### MBass

Tone + SRX Exp	CC 00	0-127
	CC 32	0-127
	PC	1-128

Harmonic Bars	16' [0-8], 8' [0-8]	
Volume	CC 07	0-127

Panpot	CC 10	Rnd, L63~0~R63	
Reverb	CC 91	0~127	
Chorus	CC 93	0~127	
Octave		-4~0~4	0
C1	CC 16	0~127	0
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
Part On/Off		On, 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

### Foot Controllers

Foot Switch	Assign	Start/Stop
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 On/FillIn, 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	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]	1 Start/Stop, 2 Intro, 3 Variat 1, 4 Variat 2, 5 Variat 3, 6 Variat 4, 7 Ending

### Utility

Startup	Recall	Off
Startup		
User Program	P1~P18, 1~8, name	
Recall	On, Off	Off
MIDI Set		
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

Global Keyboard	On, Off	On
Global Keyboard		
Upper 1 M-FX Link	On, Off	On
Harmonist FX Link	On, Off	On
Touch Screen Beep	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	Small, BigSmall	
Lyrics		
Zoom	Small, BigSmall	
Lyrics 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
Colour Preset	1~8	1
Score		
Zoom	Small, Big	Small
Pitch	Off, C~D~E, Do~Re~Mi	Off
Drum Range	Filter, Full	Filter
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

### Vocal Harmonist

MIC Input	0~15	7
MIC Input		
Sustain Level	0~15	7
Threshold	0~15	15
Output Level	0~96	50
Compressor	On, Off	On
Gate	On, Off	On
Voice Talk		
Music Mute	-99~0	-60

### Mastering Tools

EQ Switch	Off, On	On
EQ Switch		
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	200, 400 [Hz]	400 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
<b>4 - Jazz</b>		
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
<b>05 - Classic</b>		
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
<b>06 - Standard (Default)</b>		
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
<b>07 - User</b>		
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
<b>01 - Hard Comp</b>		
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
<b>02 - Soft Comp</b>		
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
<b>03 - Low Boost</b>		
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
<b>04 - Mid Boost</b>		
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
<b>05 - High Boost</b>		
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
<b>06 - Standard (Default)</b>		
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
<b>07 - User</b>		
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

## 6. MIDI parameters

### Easy Setting

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

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

Parameter	Setting range	Default
Channel TX	1-16	Upper1= 4, Upper2= 6 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

