

# Portable Grand DGX-670

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# Piano Types in the Piano Room / Klaviermodelle im Piano Room / Types de piano dans Piano Room / Tipos de pianos de Piano Room

Voice Name
CFX Grand
PopGrand
HonkyTonk
SuitcaseEP
VintageEP
SweetDX

# Voice List / Voice-Liste / Liste des sonorités / Lista de voces

Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Piano & E.Piano	CFX Grand	108	0	1	VRM	
	PopGrand	108	17	2	VRM	
	StudioGrand	108	30	1	VRM	
	OctavePiano1	108	22	2	VRM	
	OctavePiano2	108	23	2	VRM	
	BrightPiano	108	16	2	VRM	
	RockPiano	108	16	3	VRM	
	AmbientPiano	108	27	4	VRM	
	CocktailPiano	108	28	4	VRM	
	Harpsichord SW	8	32	113	S.Art!	
	CFX Grand	0	122	1	Natural!	
	PopGrand	104	6	1	Natural!	
	StudioGrand	104	19	1	Natural!	
	OctavePiano1	0	123	4	Natural!	
	OctavePiano2	0	124	4	Natural!	
	BrightPiano	0	123	1	Natural!	
	RockPiano	0	124	3	Natural!	
	AmbientPiano	104	19	4	Natural!	
	CocktailPiano	104	20	4	Natural!	
	Harpsichord	0	122	7	Natural!	
	SuitcaseEP	0	118	5	Cool!	
	VintageEP	0	116	5	Regular	
	SmoothTine	0	119	6	Regular	
	ElectricPiano	0	119	5	Cool!	
	TremoloSuitcase	0	113	5	Cool!	
	MIDI Grand	104	0	3	Live!	
	MIDI GrandPad	104	1	3	Live!	
	MIDI GrandSyn	104	1	1	Live!	
	PianoOrchestra	104	2	1	Live!	
	HonkyTonk	0	112	4	Regular	
	DX Sweet	104	0	6	Cool!	
	DX Ballad	0	124	6	Cool!	
	DX Dynamic	0	123	6	Cool!	
	DX BalladBells	104	2	6	Cool!	
	DX Midnight	104	1	6	Cool!	
	CP80 Stage	0	113	3	Regular	
	ClaviBright	0	112	8	Regular	
	WahClavi	0	113	8	Regular	
	PhaseClavi	0	115	8	Regular	
	WarmGrand	0	114	1	Live!	
	GrandHarpsichord	0	113	7	Live!	
	HarpsiCoupler	0	123	7	Natural!	
	DX Dream	104	3	6	Cool!	
	DX Sparkle	0	121	6	Cool!	
	GalaxyEP	0	114	5	Cool!	
	StageEP	0	117	5	Regular	
	BalladStack	0	114	3	Regular	
	ChorusBell	0	120	6	Regular	
	FunkEP	0	112	5	Regular	
	JazzChorus	0	118	6	Regular	
	Organ & Accordion	JazzRotary SW	8	32	114	S.Art!
		WhiterBars SW	8	32	30	S.Art!
		AllBarsOut SW	8	32	31	S.Art!
		ClassicBars SW	8	34	30	S.Art!
		ProgRockOrgan SW	8	33	30	S.Art!
		Harmonica	0	112	23	Sweet!
		MasterAccordion	0	118	22	Regular
		FullRegister	104	2	22	Regular
		Cassotto	104	0	22	Regular
		JazzAccordion	0	120	22	Regular
		CurvedBars	0	121	17	Cool!
		EvenBars	0	111	17	Cool!
		HollowBars	0	127	17	Cool!
		RotaryOrgan	0	117	19	Cool!
		ClassicJazz	0	117	17	Cool!
		BluesHarp	0	114	23	Regular
		TangoAccordion	0	114	24	Regular
CajunAccordion		104	3	22	Regular	
FrenchMusette		0	119	22	Regular	
Steirische		0	117	22	Regular	
FullOrgan		0	112	20	Regular	

Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Organ & Accordion	HymnOrgan	0	114	20	Regular	
	Tibia16'&4'	104	8	17	Regular	
	Tibia8'&4'	104	9	17	Regular	
	Tibia8'	104	6	18	Regular	
	ChapelOrgan1	0	113	20	Regular	
	ChapelOrgan2	0	115	20	Regular	
	TibiaChorus	104	5	18	Regular	
	Vox&Tibia	104	10	17	Regular	
	VoxHumana8'	104	7	18	Regular	
	Bandoneon	0	113	24	Regular	
	AccordionBass	0	121	22	Regular	
	MasterBass	0	122	22	Regular	
	MusetteBass	0	123	22	Regular	
	AccordionClarinet	104	1	22	Regular	
	TangoBass	0	115	24	Regular	
	FullRegisterBass	104	5	22	Regular	
	CajunAccBass	104	6	22	Regular	
	RockRotary SW	8	33	114	S.Art!	
	R&B TremoloOrgan	0	111	19	Cool!	
	OrganAGoGo	104	0	17	Cool!	
	HoldItFast	0	111	18	Cool!	
	ScannerJazz	0	118	19	Cool!	
	TwoChannels	0	109	18	Cool!	
	FullRocker	0	115	19	Cool!	
	EuroOrgan	0	118	17	Regular	
	FullTheatre	0	127	19	Regular	
	SweetTheatre	0	126	19	Regular	
	Trumpet&Kinura	0	125	18	Regular	
	BallroomOrgan	0	115	4	Regular	
	OrganAccomp1	0	108	18	Regular	
	OrganAccomp2	0	107	18	Regular	
	OrganAccomp3	0	106	18	Regular	
	OrganAccomp4	0	105	18	Regular	
	OrganAccomp5	0	104	18	Regular	
	Guitar & Bass	ConcertGuitar	8	32	1	S.Art!
		NylonGuitar SW	8	34	1	S.Art!
		SteelGuitar	8	32	2	S.Art!
		FolkGtHarm SW	8	33	2	S.Art!
		FlamencoGuitar	8	33	1	S.Art!
		CleanSolid	8	34	4	S.Art!
		GuitarHero	8	32	6	S.Art!
		RockLegend	8	34	6	S.Art!
		SemiAcoustic	8	33	7	S.Art!
		JazzGuitarClean	8	32	7	S.Art!
		ElectricBass	0	114	34	Cool!
		PickDynoBass	0	113	35	Cool!
		SlapBass	0	112	37	Regular
		FretlessBass	0	112	36	Cool!
		AcousticBass	0	112	33	Regular
LoBass		104	0	40	Regular	
DarkBass		104	1	40	Regular	
MoonBass		104	0	39	Regular	
KickBass		104	1	39	Regular	
ClubBass		104	2	39	Regular	
VintageAmp		8	40	4	S.Art!	
WarmSolid		8	33	4	S.Art!	
CleanElectric SW		8	35	4	S.Art!	
WarmElectric SW		8	32	4	S.Art!	
JazzGtSmooth SW		8	35	7	S.Art!	
Feedbacker SW		8	33	5	S.Art!	
HeavyRockGuitar		8	32	5	S.Art!	
CrunchGuitar		8	33	6	S.Art!	
HalfDrive		8	37	4	S.Art!	
PedalSteel		8	36	4	S.Art!	
VintageRound	104	1	34	Cool!		
VintagePick	104	1	35	Regular		
VintageFlat	104	2	34	Cool!		
VintageMute	104	3	34	Cool!		
VintagePickMute	104	0	35	Cool!		
FatPulse	104	2	40	Regular		
WazzoSaw	104	3	81	Regular		

Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Guitar & Bass	DeepPoint	104	3	39	Regular	
	TightBass	104	3	40	Regular	
	Competitor	104	4	39	Regular	
	HardFlamenco	0	118	25	Live!	
	DynamicNylonGt	0	116	25	Live!	
	NylonGuitarSlide	0	117	25	Live!	
	DynamicSteelGt	0	116	26	Live!	
	12StringGuitar	0	113	26	Live!	
	70sSolidGuitar	8	38	4	S.Art!	
	SingleCoilClean	8	39	4	S.Art!	
	BluesGuitar	0	117	30	Cool!	
	CrunchGuitar	0	113	31	Regular	
	SlideJazzGuitar	104	0	27	Cool!	
	Mandolin	0	114	26	Sweet!	
	Banjo	104	0	106	Regular	
	Sitar	104	0	105	Regular	
	Shamisen	0	112	107	Regular	
	Strings & Choir	ConcertStrings	8	32	50	S.Art!
StudioStrings		8	32	49	S.Art!	
StringsPad		0	117	50	Live!	
MovieStrings		0	123	49	Live!	
GospelVoices		0	116	53	Live!	
Violin		0	113	41	Sweet!	
Viola		0	112	42	Regular	
Cello		0	112	43	Regular	
Contrabass		0	112	44	Regular	
OrchestralHarp		104	1	47	Regular	
PizzicatoStrings		0	113	46	Live!	
TremoloStrings		0	113	45	Live!	
SpiccatoStrings		8	33	49	S.Art!	
Allegro		0	122	50	Live!	
ChamberStrings		0	112	50	Regular	
Humming		0	118	53	Live!	
Mmh		0	117	53	Live!	
HahChoir		0	114	53	Regular	
GothicVox		0	113	54	Regular	
Voices		0	113	55	Regular	
Hackbrett		104	2	47	Regular	
Dulcimer		0	112	16	Regular	
Zither1		104	1	16	Regular	
Zither2		104	0	16	Regular	
Koto		0	112	108	Regular	
TremoloBowing SW		8	34	49	S.Art!	
PizzicatoGlocken		0	115	46	Live!	
Strings f		0	119	49	Live!	
Strings mf		0	118	49	Live!	
Strings p		0	117	49	Live!	
DiscoStrings1		0	123	50	Live!	
DiscoStrings2		0	124	50	Live!	
OberStrings		0	113	52	Regular	
SynthStrings1		0	112	51	Regular	
SynthStrings2		0	113	51	Regular	
MellowHarp		104	0	47	Regular	
OrchestraTutti		0	120	50	Regular	
OrchestraHit		0	112	56	Regular	
Brass & Woodwind		BrightTrumpet	8	32	65	S.Art!
		SweetTrombone	0	117	58	Sweet!
		BigBandBrass SW	8	37	57	S.Art!
		SmoothBrass	8	36	57	S.Art!
	FrenchHorns	0	112	61	Live!	
	Saxophone	8	32	83	S.Art!	
	OrchestralFlute	104	0	74	Sweet!	
	OrchestralOboe	104	0	69	Sweet!	
	OrchestralClarinet	104	0	72	Live!	
	SoftVelocityBrass	0	120	63	Regular	
	SilverTrumpet	8	33	65	S.Art!	
	GoldenTrumpet	8	34	65	S.Art!	
	BigBandTrumpet	8	37	65	S.Art!	
	TrumpetFall SW	8	38	65	S.Art!	
	TrumpetShake SW	8	35	65	S.Art!	
	Brass f	0	108	62	Live!	

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PC# (1-128)	
Brass & Woodwind	Brass mf	0	110	62	Live!
	Brass p	0	111	62	Live!
	BrassFalls f SW	8	34	57	S.Art!
	BrassFalls mf SW	8	35	57	S.Art!
	RockSax SW	8	33	83	S.Art!
	SopranoSax	0	113	65	Sweet!
	AltoSax	0	114	66	Sweet!
	BaritoneSax	0	112	68	Regular
	SaxSection	0	116	67	Live!
	Piccolo	0	112	73	Regular
	EnglishHorn	0	112	70	Regular
	OrchestralBassoon	104	0	71	Sweet!
	Flutes&Oboes	104	2	74	Regular
	OrchWoodwind	104	1	71	Regular
	OberBrass	0	113	64	Regular
	SynthBrassThin	104	0	63	Regular
	SynthBrassProfit	104	1	63	Regular
	SlowPWM Brass	104	2	63	Regular
	FastPWM Brass	104	6	63	Regular
	FatSynthBrass	0	116	64	Regular
	80sBrass	0	113	63	Regular
	AnalogBrass	0	112	64	Regular
	SoftAnalog	0	114	64	Regular
	FunkyAnalog	0	115	63	Regular
	JazzFlute	0	114	74	Sweet!
	FluteSection	104	1	74	Regular
	GermanClarinet	104	2	72	Regular
	SaxSectionSoft	0	121	67	Live!
	SaxSectionHard	0	122	67	Live!
	Moonlight	0	115	72	Regular
	Clarinet&Flutes	104	1	72	Regular
	Clarinet&Oboe	104	1	69	Regular
	SaxAppeal	0	123	67	Live!
	BalladSection	0	119	67	Regular
	Cornet	0	119	57	Sweet!
	MutedTrumpet	0	114	60	Sweet!
	Flugelhorn	0	118	57	Sweet!
	SoftTrombones	0	118	61	Live!
	SoftHorns	0	117	61	Live!
	Tuba	104	0	59	Regular
	DynamicBrass	0	127	62	Live!
	PowerBrass	0	121	63	Live!
BrassShake SW	8	32	57	S.Art!	
AccentFalls SW	8	38	57	S.Art!	
BalladPanFlute	0	113	76	Sweet!	
Bagpipe	0	112	110	Regular	
BigBandOctave	0	108	67	Live!	
BigBandHorns1	0	110	67	Live!	
BigBandHorns2	0	109	67	Live!	
BaritoneHorn	0	113	59	Regular	
AlpBass	0	113	34	Regular	
BaritoneHit	0	114	59	Regular	
SymphonyBrass	0	119	61	Live!	
SymphonyHorns	0	115	61	Live!	
Shakuhachi	0	112	78	Regular	
Recorder	0	112	75	Regular	
Ocarina	0	112	80	Regular	
Whistle	0	112	79	Regular	
Perc. & Drums	Vibraphone	0	112	12	Regular
	JazzVibes	0	113	12	Regular
	Vibes&Flutes	0	114	12	Regular
	Marimba	0	112	13	Regular
	Xylophone	0	112	14	Regular
	RealDrumKit	127	0	92	Live!Drums
	HouseKit	127	0	61	Drums
	BrushKit	127	0	41	Live!Drums
	PowerKit1	127	0	88	Live!Drums
	PowerKit2	127	0	89	Live!Drums
	RockKit	127	0	91	Live!Drums
	StudioKit	127	0	87	Live!Drums
JazzKit	127	0	33	Drums	

Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Perc. & Drums	RoomKit	127	0	9	Drums	
	AcousticKit	127	0	90	Live!Drums	
	SymphonyKit	127	0	49	Live!Drums	
	AnalogT8Kit	127	0	59	Drums	
	AnalogT9Kit	127	0	60	Drums	
	BreakKit	127	0	58	Drums	
	HipHopKit	127	0	57	Drums	
	PopLatinKit	126	0	44	Live!SFX	
	CubanKit	126	0	41	Live!SFX	
	TurkishKit	126	0	68	Live!SFX	
	ArabicKit	126	0	36	SFX	
	Timpani	0	112	48	Regular	
	Celesta	0	112	9	Regular	
	Glockenspiel	0	112	10	Regular	
	TubularBells	0	112	15	Regular	
	Kalimba	0	112	109	Regular	
	SteelDrums	0	112	115	Regular	
	MusicBox	0	112	11	Regular	
	DanceKit	127	0	28	Drums	
	HitKit	127	0	5	Drums	
	ElectroKit	127	0	25	Drums	
	AnalogKit	127	0	26	Drums	
	NoisesKit	126	0	9	SFX	
	SFX Kit1	126	0	1	SFX	
	SFX Kit2	126	0	2	SFX	
	Synth & Pad	ClubLead	104	3	63	Regular
		Oxygen	0	122	82	Regular
		Matrix	0	123	82	Regular
		WireLead	0	120	82	Regular
		SoftR&B	0	119	81	Regular
		LektroCodes	104	2	85	Regular
		BrightFatSaw	104	5	91	Regular
		HPF Dance	104	0	91	Regular
		DetunedSawOct	104	8	82	Regular
		DanceChords	104	5	52	Regular
		PWM Wild	104	4	81	Regular
		FaaatComp	104	4	52	Regular
		SimpleComp	104	12	82	Regular
		BalladComp	104	6	89	Regular
ResonanceComp		104	4	63	Regular	
VP Soft		104	0	90	Regular	
VaporPad		104	1	90	Regular	
ButterStrings		104	2	51	Regular	
NewAtmosphere		104	4	90	Regular	
DarkFatSaw		104	2	90	Regular	
EarlyLead		0	118	82	Regular	
SoftSquare		104	5	81	Regular	
DetunedVintage		104	1	85	Regular	
MouthLead		104	0	82	Regular	
PunchLead		104	7	82	Regular	
PunchyHook		0	127	82	Regular	
FatSawHook		104	7	52	Regular	
DancyHook		104	9	82	Regular	
DanceHook		0	112	87	Regular	
OctaveHook		0	113	87	Regular	
TrancePerc		104	5	82	Regular	
Chordmaster		104	13	82	Regular	
DigitalSeq		104	2	88	Regular	
AnalogSeq		104	3	88	Regular	
SynthSticks		104	0	107	Regular	
CrossPhase		104	1	102	Regular	
PitchFall		104	0	104	Regular	
SixthSense		104	2	102	Regular	
Mediterrain		0	114	100	Regular	
TimeTravel		0	116	89	Regular	
SuperDarkPad		0	119	90	Regular	
AnalogPad		0	120	90	Regular	
MorningDew		104	0	95	Regular	
GalaxyPad		104	3	89	Regular	
NightMotion		104	4	89	Regular	
SweetHeaven		0	118	89	Regular	

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PC# (1-128)	
Synth & Pad	DreamHeaven	0	121	89	Regular
	BellHeaven	0	119	89	Regular
	PanHeaven	0	120	89	Regular
	ProHeaven	0	122	89	Regular
	PWM Lead	104	1	82	Regular
	HipaLead	0	118	85	Regular
	CryingLead	0	114	88	Regular
	VinalogSaw	104	3	82	Regular
	Skyline	0	115	85	Regular
	HeavenBell	104	0	101	Regular
	BrightPadBell	104	7	89	Regular
	TranceSeq1	104	4	88	Regular
	TranceSeq2	104	5	88	Regular
	TranceSeq3	104	1	91	Regular
	PercSeqFS	104	6	88	Regular
	PercSeqFM1	104	7	88	Regular
	PercSeqFM2	104	8	88	Regular
	PercSeqSaw	104	11	82	Regular
	PercSeqHipa	104	9	88	Regular
	SazFeeze	104	0	98	Regular
	EasternAir	104	1	98	Regular
	HotSwell	104	2	96	Regular
	PearlsPad	104	2	89	Regular
	BreathPad	104	0	92	Regular
	LightPad	104	2	52	Regular
	NylonPad	104	0	100	Regular
	PremiumPad	104	0	52	Regular
	SpaceRider	104	1	96	Regular
	NobleMan	104	1	89	Regular
	DouxFlange	104	3	96	Regular
	MagicBell	8	32	121	S.Art!

**Category: Legacy**

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Piano	ConcertGrand	0	115	1	Live!	
	PopGrand	104	5	1	Live!	
	RockPiano	104	4	1	Live!	
	AmbientPiano	104	3	1	Live!	
	CocktailPiano	104	0	4	Live!	
	GrandPiano	0	113	1	Live!	
	BrightPiano	0	112	2	Live!	
	MIDI Grand	0	112	3	Regular	
	Harpsichord	0	112	7	Live!	
	E.Piano	HyperTines	0	113	6	Regular
		ModernEP	0	115	6	Regular
		DX Modern	0	112	6	Regular
		StereoClavi	0	114	8	Regular
Organ	Kinura8'	0	123	17	Regular	
	Trumpet16'&8'	0	124	18	Regular	
	Trumpet8'	0	124	17	Regular	
	AllBarsOutSlow	104	1	19	Cool!	
	AllBarsOutFast	104	0	19	Cool!	
	AllBarsPhase	104	2	19	Cool!	
	WhiterBarsSlow	104	1	18	Cool!	
	WhiterBarsFast	104	0	18	Cool!	
	PercOrgan	0	119	18	Regular	
	RotarySwitch	0	110	18	Cool!	
	JazzSlow	0	126	18	Cool!	
	JazzFast	0	127	18	Cool!	
	MellowDrawbar	0	115	18	Regular	
Accordion	Accordion	0	116	22	Regular	
	MusetteAccordion	0	112	22	Regular	
	TuttiAccordion	0	113	22	Regular	
A.Guitar	ClassicalGuitar	0	115	25	Live!	
	NylonMute	0	119	25	Live!	
	SteelMute	0	120	26	Live!	
	SteelGuitarSlide	0	118	26	Live!	
	SteelGuitar	0	117	26	Live!	

Category: Legacy

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
E.Guitar	60sCleanGuitar	0	117	28	Regular	
	BalladSolid	0	109	28	Cool!	
	ChorusSolid	0	107	28	Cool!	
	CleanGuitar	0	112	28	Cool!	
	DynamicMute	0	118	29	Cool!	
	ElectricGuitar	0	114	29	Cool!	
	Electric12String	0	119	28	Regular	
	FunkGuitar	0	116	29	Cool!	
	MutedGuitar	0	119	29	Cool!	
	Slapback	104	0	28	Cool!	
	SlapSolid	0	108	28	Cool!	
	SlideSolid	0	110	28	Cool!	
	VintageMuteEcho	0	115	29	Regular	
	VintageOpen	0	123	28	Regular	
	VintageStrum	0	126	28	Regular	
	WahGuitar	0	122	28	Regular	
	JazzGuitar	0	115	27	Cool!	
	OctaveGuitar	0	113	27	Regular	
	FeedbackGuitar	0	113	30	Regular	
	HeavyStack	0	114	31	Regular	
	PowerLead	0	115	31	Cool!	
	SmoothLead	0	119	27	Regular	
	VintageLead	0	125	28	Cool!	
	VintageAmp	0	115	30	Regular	
	AlohaGuitar	0	118	27	Regular	
	PedalSteel	0	115	28	Regular	
	Bass	Bass&Cymbal	0	114	33	Regular
		SuperFretless	0	113	36	Regular
		FunkBass	0	112	38	Regular
		FusionBass	0	113	37	Regular
		PickBass	0	112	35	Regular
		RockBass	0	114	35	Regular
HalfMute		0	115	34	Cool!	
BalladBass		104	7	40	Regular	
BigDrone		0	118	39	Regular	
DrySynthBass		0	116	40	Regular	
HardBass		0	114	39	Regular	
HouseBass		0	116	39	Regular	
MiniSub		104	6	40	Regular	
PercPunch		104	8	39	Regular	
PunchyBass		0	117	39	Regular	
ResonanceBass		0	112	39	Regular	
SquareBass		104	4	40	Regular	
SubBass		0	114	40	Regular	
TB Bass	0	117	40	Regular		
VelocityMaster	104	17	82	Regular		
Strings	SoloViolin	0	112	41	Regular	
	Fiddle	0	112	111	Regular	
	DynamicStrings	0	124	49	Live!	
	StringFalls	0	121	49	Live!	
	Spiccato	0	120	49	Live!	
	Pizzicato	0	112	46	Regular	
	Strings	0	112	49	Regular	
	SymphonicUnison	104	0	50	Regular	
	TheatreOrchestra	104	1	50	Regular	
	Orchestra&Oboe	0	121	50	Regular	
	Orchestra&Flute	0	119	50	Regular	
	Orchestra&Horns	0	118	50	Regular	
Brass	GoldenTrumpet	0	122	57	Sweet!	
	MellowTrumpet	0	120	57	Sweet!	
	SilverTrumpet	0	121	57	Sweet!	
	Trumpet	0	115	57	Sweet!	
	MutedTrumpet	0	112	60	Regular	
	SmoothTrombone	0	118	58	Regular	
	SoloTrombone	0	112	58	Regular	
	TromboneSection	0	113	58	Regular	
	Tuba2	0	112	59	Regular	
	AccentBrass	0	109	62	Live!	
	BrassBand	0	123	57	Live!	
	BrassCombo	0	115	67	Regular	

Category: Legacy

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Brass	BrassDynamics	0	106	62	Live!	
	BrassSection	0	112	62	Regular	
	HyperBrass	0	118	63	Live!	
	OctaveBrass	0	116	63	Live!	
	PopBrass	0	117	63	Live!	
	SoftBrass	0	123	62	Regular	
	Sforzando	0	105	62	Live!	
	SforzandoFall	0	107	62	Live!	
	SmallBrass	0	120	61	Live!	
	OberHorns	0	115	64	Regular	
	TechnoBrass	0	114	63	Regular	
	Woodwind	SopranoSax	0	112	65	Regular
		TenorSax	0	112	67	Regular
		BalladTenor	0	126	67	Sweet!
BigBandSax		8	35	83	S.Art!	
GrowlSax		0	111	67	Sweet!	
SweetTenorSax		0	125	67	Sweet!	
PopTenor		0	127	67	Sweet!	
BreathyTenorSax		0	117	67	Sweet!	
ClassicalFlute		0	115	74	Sweet!	
ClassicalOboe		0	113	69	Sweet!	
JazzClarinet		0	114	72	Sweet!	
Bassoon		0	112	71	Regular	
SaxStack		0	124	67	Regular	
SaxyMood		0	120	67	Regular	
Choir	FluteEnsemble	0	116	74	Regular	
	DoubleReeds	104	2	69	Regular	
	WoodwindsEns	0	113	67	Regular	
	AirChoir	0	112	55	Regular	
	UuhChoir	0	115	53	Regular	
	Choir	0	112	53	Regular	
Synth	AeroLead	0	112	84	Regular	
	Analogon	0	115	82	Regular	
	AttackSaw	0	126	82	Regular	
	BigLead	0	113	82	Regular	
	Blaster	0	114	82	Regular	
	BleepLead	104	0	85	Regular	
	BrassyLead	104	5	63	Regular	
	ChorusSawLead	104	10	82	Regular	
	Fargo	0	119	82	Regular	
	FireWire	0	116	82	Regular	
	FlangeFilter	104	2	82	Regular	
	FusionLead	104	15	82	Regular	
	HipLead	0	113	81	Regular	
	HopLead	0	117	81	Regular	
	OrbitSine	0	126	81	Regular	
	PanLead	0	122	81	Regular	
	Portatone	0	112	85	Regular	
	SawLead	0	112	82	Regular	
	SoftMini	0	124	81	Regular	
	SoftSaw	104	16	82	Regular	
	SquareLead	0	112	81	Regular	
	SubLead	104	0	81	Regular	
	TalkModLead	104	0	88	Regular	
	TechLead	0	117	85	Regular	
	Tekkline	0	116	85	Regular	
	TranceLead	0	121	81	Regular	
VinylLead	0	115	81	Regular		
Warp	0	117	82	Regular		
Adrenaline	0	113	85	Regular		
Attack	104	4	82	Regular		
Impact	0	113	88	Regular		
Nomad	104	1	105	Regular		
PercSquare	0	123	81	Regular		
PWM Percussion	104	6	82	Regular		
ResonantClavi	104	2	91	Regular		
Stardust	0	112	99	Regular		
NiceBell	104	9	89	Regular		
StackBell	104	8	89	Regular		
StringBells	0	124	89	Regular		

**Category: Legacy**

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Synth	SunBell	0	113	99	Regular	
	Xtune	104	1	88	Regular	
	Aerosphere	104	1	95	Regular	
	AnaDayz	104	3	52	Regular	
	Bellsphere	104	5	89	Regular	
	BrightPadTrance	104	4	91	Regular	
	Bubblespace	0	113	102	Regular	
	ChillinChords	104	6	52	Regular	
	HipaStrings	0	114	96	Regular	
	S&H Groove	0	115	102	Regular	
	Sirius	0	114	102	Regular	
	SoftEnsemble	104	1	51	Regular	
	TechGlide	104	14	82	Regular	
	Pad	80sPad	104	1	52	Regular
		AmbientPad	104	0	89	Regular
AnalogSwell		0	119	96	Regular	
BigOctavePad		0	115	91	Regular	
BrightOber		0	113	96	Regular	
BrightPadClassic		104	3	91	Regular	
BrightPopPad		104	3	51	Regular	
BrightSawPad		0	113	91	Regular	
CyberPad		0	113	100	Regular	
DarkAngelPad		0	121	90	Regular	
DarkLight		104	3	90	Regular	
DarkPad		0	118	96	Regular	
EarlyDigital		104	0	94	Regular	
GloriousPhase		0	114	91	Regular	
GoldenAge		0	115	89	Regular	
HahPad		0	116	95	Regular	
Insomnia		0	113	95	Regular	
LitePad		0	122	90	Regular	
MediumTunePad		104	0	51	Regular	
MellowPad		0	117	96	Regular	
Millennium		0	117	89	Regular	
NeoWarmPad		0	115	90	Regular	
OberSweep		0	115	96	Regular	
OctaveStrings		104	4	51	Regular	
PercPad		104	0	102	Regular	
PopPad		0	112	91	Regular	
Skydiver		0	112	102	Regular	
Solaris		0	114	95	Regular	
Sunbeam		0	123	89	Regular	
Trance		104	0	96	Regular	
Wave2001	0	112	96	Regular		
DrumKit	StandardKit1	127	0	1	Live!Drums	
	StandardKit2	127	0	2	Live!Drums	
	RockKit	127	0	17	Drums	

**Category: MegaVoice**

Sub Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PC# (1-128)	
A. Guitar	NylonGuitar	8	0	1	MegaVoice
	12StringGuitar	8	1	3	MegaVoice
	HiStringGuitar	8	0	3	MegaVoice
	SteelGuitar	8	0	2	MegaVoice
E. Guitar	CleanGuitar	8	0	4	MegaVoice
	SingleCoilGuitar	8	3	4	MegaVoice
	SolidGuitar1	8	1	4	MegaVoice
	SolidGuitar2	8	2	4	MegaVoice
	JazzGuitar	8	0	7	MegaVoice
	DistortionGuitar	8	0	6	MegaVoice
	OverdriveGuitar	8	0	5	MegaVoice
Bass	AcousticBass	8	0	17	MegaVoice
	ElectricBass	8	0	18	MegaVoice
	PickBass	8	0	19	MegaVoice
	VintageFlat	8	2	18	MegaVoice
	VintagePick	8	1	19	MegaVoice
	VintageRound	8	1	18	MegaVoice

**Category: MegaVoice**

Sub Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PC# (1-128)	
Bass	FretlessBass	8	0	20	MegaVoice
Strings	LargeStrings	8	0	50	MegaVoice
	SmallStrings	8	0	49	MegaVoice
Brass	Trumpet	8	0	65	MegaVoice
	Brass	8	0	57	MegaVoice
Woodwind	TenorSax	8	0	83	MegaVoice

**Category: GM & XG**

Sub Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PC# (1-128)	
Piano	GrandPiano	0	0	1	Regular
	GrandPno KSP	0	1	1	Regular
	MellowGrPno	0	18	1	Regular
	PianoStrings	0	40	1	Regular
	Dream	0	41	1	Regular
	BrightPiano	0	0	2	Regular
	BrightPno KSP	0	1	2	Regular
	E. GrandPiano	0	0	3	Regular
	E. GrandPiano KSP	0	1	3	Regular
	DetunedCP80	0	32	3	Regular
	LayeredCP1	0	40	3	Regular
	LayeredCP2	0	41	3	Regular
	Honkytonk	0	0	4	Regular
	Honkytonk KSP	0	1	4	Regular
	ElectricPiano1	0	0	5	Regular
	ElectricPiano1 KSP	0	1	5	Regular
	MellowE. Piano	0	18	5	Regular
	ChorusEP1	0	32	5	Regular
	HardElectricPiano	0	40	5	Regular
	VXfadeE. Piano1	0	45	5	Regular
	60sE. Piano	0	64	5	Regular
	ElectricPiano2	0	0	6	Regular
	ElectricPiano2 KSP	0	1	6	Regular
	ChorusEP2	0	32	6	Regular
	DX EP Hard	0	33	6	Regular
	DX Legend	0	34	6	Regular
	DX PhaseEP	0	40	6	Regular
	DX+AnalogEP	0	41	6	Regular
	DX KotoEP	0	42	6	Regular
	VXfadeE. Piano2	0	45	6	Regular
	Harpsichord1	0	0	7	Regular
	Harpsi KSP	0	1	7	Regular
	Harpsichord2	0	25	7	Regular
	Harpsichord3	0	35	7	Regular
	Clavi	0	0	8	Regular
	Clavi KSP	0	1	8	Regular
	ClaviWah	0	27	8	Regular
	PulseClavi	0	64	8	Regular
	PierceClavi	0	65	8	Regular
	ChromaticPerc	Celesta	0	0	9
Glockenspiel		0	0	10	Regular
MusicBox1		0	0	11	Regular
MusicBox2		0	64	11	Regular
Vibraphone		0	0	12	Regular
Vibraphone KSP		0	1	12	Regular
HardVibes		0	45	12	Regular
Marimba		0	0	13	Regular
Marimba KSP		0	1	13	Regular
SineMarimba		0	64	13	Regular
Balimba		0	97	13	Regular
LogDrums		0	98	13	Regular
Xylophone		0	0	14	Regular
TubularBells		0	0	15	Regular
ChurchBells		0	96	15	Regular
Carillon		0	97	15	Regular
Dulcimer1		0	0	16	Regular
Dulcimer2		0	35	16	Regular
Cimbalom		0	96	16	Regular

Category: GM & XG

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
ChromaticPerc	Santur	0	97	16	Regular	
Organ	DrawbarOrgan1	0	0	17	Regular	
	DetDrawOrgan	0	32	17	Regular	
	60sDrawOrg1	0	33	17	Regular	
	60sDrawOrg2	0	34	17	Regular	
	60sDrawOrg3	0	37	17	Regular	
	70sDrawOrg1	0	35	17	Regular	
	70sDrawOrg2	0	65	17	Regular	
	DrawbarOrg2	0	36	17	Regular	
	EvenBarOrg	0	38	17	Regular	
	16+2'2_3Org	0	40	17	Regular	
	OrganBass	0	64	17	Regular	
	CheezyOrgan	0	66	17	Regular	
	DrawbarOrg3	0	67	17	Regular	
	PercOrgan1	0	0	18	Regular	
	PercOrgan2	0	37	18	Regular	
	70sPercOrgan	0	24	18	Regular	
	DetPercOrgan	0	32	18	Regular	
	LightOrgan	0	33	18	Regular	
	RockOrgan	0	0	19	Regular	
	RotaryOrgan	0	64	19	Regular	
	SlowRotary	0	65	19	Regular	
	FastRotary	0	66	19	Regular	
	ChurchOrgan1	0	0	20	Regular	
	ChurchOrgan2	0	35	20	Regular	
	ChurchOrgan3	0	32	20	Regular	
	NotreDame	0	40	20	Regular	
	OrganFlute	0	64	20	Regular	
	TremoloOrganFlute	0	65	20	Regular	
	ReedOrgan	0	0	21	Regular	
	PuffOrgan	0	40	21	Regular	
	Accordion	0	0	22	Regular	
	Accordion Italian	0	32	22	Regular	
	Harmonica	0	0	23	Regular	
	Harmonica2	0	32	23	Regular	
	TangoAccord1	0	0	24	Regular	
	TangoAccord2	0	64	24	Regular	
	Guitar	NylonGuitar1	0	0	25	Regular
		NylonGuitar2	0	16	25	Regular
		NylonGuitar3	0	25	25	Regular
		VelGtrHarmo	0	43	25	Regular
		Ukulele	0	96	25	Regular
		SteelGuitar1	0	0	26	Regular
		SteelGuitar2	0	16	26	Regular
		12StrGuitar	0	35	26	Regular
Nylon&Steel		0	40	26	Regular	
Steel&Body		0	41	26	Regular	
Mandolin		0	96	26	Regular	
JazzGuitar		0	0	27	Regular	
MellowGuitar		0	18	27	Regular	
JazzAmp		0	32	27	Regular	
CleanGuitar		0	0	28	Regular	
ChorusGuitar		0	32	28	Regular	
MutedGuitar		0	0	29	Regular	
FunkGuitar1		0	40	29	Regular	
MuteSteelGtr		0	41	29	Regular	
FunkGuitar2		0	43	29	Regular	
JazzMan		0	45	29	Regular	
Overdriven		0	0	30	Regular	
GuitarPinch		0	43	30	Regular	
Distortion		0	0	31	Regular	
FeedbackGuitar1		0	40	31	Regular	
FeedbackGuitar2		0	41	31	Regular	
GuitarHarmonics1		0	0	32	Regular	
GtrFeedback		0	65	32	Regular	
GuitarHarmonics2		0	66	32	Regular	
Bass		AcousticBass	0	0	33	Regular
		JazzRhythm	0	40	33	Regular
		VXUprghtBass	0	45	33	Regular
		FingerBass	0	0	34	Regular

Category: GM & XG

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Bass	FingerDark	0	18	34	Regular	
	FlangeBass	0	27	34	Regular	
	Bass&DistEG	0	40	34	Regular	
	FingerSlap	0	43	34	Regular	
	FingerBass2	0	45	34	Regular	
	ModulatedBass	0	65	34	Regular	
	PickBass	0	0	35	Regular	
	MutePickBass	0	28	35	Regular	
	FretlessBass1	0	0	36	Regular	
	FretlessBass2	0	32	36	Regular	
	FretlessBass3	0	33	36	Regular	
	FretlessBass4	0	34	36	Regular	
	SynthFretless	0	96	36	Regular	
	SmthFretless	0	97	36	Regular	
	SlapBass1	0	0	37	Regular	
	ResonantSlap	0	27	37	Regular	
	PunchThumb	0	32	37	Regular	
	SlapBass2	0	0	38	Regular	
	VelocitySwiSlap	0	43	38	Regular	
	SynthBass1	0	0	39	Regular	
	SynthBass1 Dark	0	18	39	Regular	
	FastResoBass	0	20	39	Regular	
	AcidBass	0	24	39	Regular	
	ClaviBass	0	35	39	Regular	
	TechnoBass	0	40	39	Regular	
	Orbiter	0	64	39	Regular	
	SquareBass	0	65	39	Regular	
	RubberBass	0	66	39	Regular	
	Hammer	0	96	39	Regular	
	SynthBass2	0	0	40	Regular	
	MellowSyBass	0	6	40	Regular	
	SequenceBass	0	12	40	Regular	
	ClickSynBass	0	18	40	Regular	
	SynthBass2 Dark	0	19	40	Regular	
	SmoothSyBass	0	32	40	Regular	
	ModulSyBass	0	40	40	Regular	
	DX Bass	0	41	40	Regular	
	XWireBass	0	64	40	Regular	
	Strings	Violin	0	0	41	Regular
		SlwAtkViolin	0	8	41	Regular
		Viola	0	0	42	Regular
		Cello	0	0	43	Regular
		Contrabass	0	0	44	Regular
		TremoloStrings	0	0	45	Regular
SlwAtTremStr		0	8	45	Regular	
SuspenseStr		0	40	45	Regular	
PizzicatoStr		0	0	46	Regular	
OrchestralHarp		0	0	47	Regular	
YangQin		0	40	47	Regular	
Timpani		0	0	48	Regular	
Ensemble		Strings1	0	0	49	Regular
		StereoStrngs	0	3	49	Regular
	SlwAtkStrngs	0	8	49	Regular	
	ArcoStrings	0	24	49	Regular	
	60'sStrings	0	35	49	Regular	
	Orchestra1	0	40	49	Regular	
	Orchestra2	0	41	49	Regular	
	TremOrchestra	0	42	49	Regular	
	VelocityStrings	0	45	49	Regular	
	Strings2	0	0	50	Regular	
	S.SlowStrngs	0	3	50	Regular	
	LegatoStrngs	0	8	50	Regular	
	WarmStrings	0	40	50	Regular	
	Kingdom	0	41	50	Regular	
	70'sStrings	0	64	50	Regular	
	Strings3	0	65	50	Regular	
	SynStrings1	0	0	51	Regular	
ResoStrings	0	27	51	Regular		
SynStrings4	0	64	51	Regular		
SynStrings5	0	65	51	Regular		



Category: GM & XG

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Ensemble	SynStrings2	0	0	52	Regular	
	ChoirAahs1	0	0	53	Regular	
	StereoChoir	0	3	53	Regular	
	ChoirAahs2	0	16	53	Regular	
	MellowChoir	0	32	53	Regular	
	ChoirStrings	0	40	53	Regular	
	VoiceOohs	0	0	54	Regular	
	SynthVoice1	0	0	55	Regular	
	SynthVoice2	0	40	55	Regular	
	Choral	0	41	55	Regular	
	AnalogVoice	0	64	55	Regular	
	OrchestraHit1	0	0	56	Regular	
	OrchestraHit2	0	35	56	Regular	
	Impact	0	64	56	Regular	
	Brass	Trumpet1	0	0	57	Regular
Trumpet2		0	16	57	Regular	
BrightTrumpet		0	17	57	Regular	
WarmTrumpet		0	32	57	Regular	
Trombone1		0	0	58	Regular	
Trombone2		0	18	58	Regular	
Tuba1		0	0	59	Regular	
Tuba2		0	16	59	Regular	
MutedTrumpet		0	0	60	Regular	
FrenchHorn		0	0	61	Regular	
FrenchHornSolo		0	6	61	Regular	
FrenchHorn2		0	32	61	Regular	
HornOrchestr		0	37	61	Regular	
BrassSection1		0	0	62	Regular	
Tp&TbSection		0	35	62	Regular	
BrassSect2		0	40	62	Regular	
HighBrass		0	41	62	Regular	
MellowBrass		0	42	62	Regular	
SynthBrass1		0	0	63	Regular	
QuackBrass		0	12	63	Regular	
ResoSynBrass		0	20	63	Regular	
PolyBrass		0	24	63	Regular	
SynthBrass3		0	27	63	Regular	
JumpBrass		0	32	63	Regular	
AnaVelBrass1		0	45	63	Regular	
AnalogBrass1		0	64	63	Regular	
SynthBrass2		0	0	64	Regular	
SoftBrass		0	18	64	Regular	
SynthBrass4		0	40	64	Regular	
ChoirBrass		0	41	64	Regular	
AnaVelBrass2		0	45	64	Regular	
AnalogBrass2		0	64	64	Regular	
Reed		SopranoSax	0	0	65	Regular
	AltoSax	0	0	66	Regular	
	SaxSection	0	40	66	Regular	
	HyperAltoSax	0	43	66	Regular	
	TenorSax1	0	0	67	Regular	
	BreathyTenor	0	40	67	Regular	
	SoftTenorSax	0	41	67	Regular	
	TenorSax2	0	64	67	Regular	
	BaritoneSax	0	0	68	Regular	
	Oboe	0	0	69	Regular	
	EnglishHorn	0	0	70	Regular	
	Bassoon	0	0	71	Regular	
	Clarinet	0	0	72	Regular	
	Pipe	Piccolo	0	0	73	Regular
		Flute	0	0	74	Regular
Recorder		0	0	75	Regular	
PanFlute		0	0	76	Regular	
BlownBottle		0	0	77	Regular	
Shakuhachi		0	0	78	Regular	
Whistle		0	0	79	Regular	
Ocarina		0	0	80	Regular	
Synth.Lead		SquareLead1	0	0	81	Regular
		SquareLead2	0	6	81	Regular
	LM Square	0	8	81	Regular	

Category: GM & XG

Sub Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PC# (1-128)	
Synth.Lead	Hollow	0	18	81	Regular
	Shroud	0	19	81	Regular
	Mellow	0	64	81	Regular
	SoloSine	0	65	81	Regular
	SineLead	0	66	81	Regular
	SawtoothLead1	0	0	82	Regular
	SawtoothLead2	0	6	82	Regular
	ThickSaw	0	8	82	Regular
	DynamicSaw	0	18	82	Regular
	DigitalSaw	0	19	82	Regular
	BigLead	0	20	82	Regular
	HeavySynth	0	24	82	Regular
	WaspySynth	0	25	82	Regular
	PulseSaw	0	40	82	Regular
	Dr.Lead	0	41	82	Regular
	VelocityLead	0	45	82	Regular
	SeqAnalog	0	96	82	Regular
	CalliopeLead	0	0	83	Regular
	PureLead	0	65	83	Regular
	ChiffLead	0	0	84	Regular
	Rubby	0	64	84	Regular
	CharangLead	0	0	85	Regular
	DistortedLd	0	64	85	Regular
	WireLead	0	65	85	Regular
	VoiceLead	0	0	86	Regular
	SynthAahs	0	24	86	Regular
	VoxLead	0	64	86	Regular
	FifthsLead	0	0	87	Regular
	BigFive	0	35	87	Regular
	Bass&Lead	0	0	88	Regular
	Big&Low	0	16	88	Regular
	Fat&Perky	0	64	88	Regular
	SoftWhirl	0	65	88	Regular
	NewAgePad	0	0	89	Regular
	Fantasy	0	64	89	Regular
	WarmPad	0	0	90	Regular
	ThickPad	0	16	90	Regular
	SoftPad	0	17	90	Regular
	SinePad	0	18	90	Regular
	HornPad	0	64	90	Regular
	RotaryStrngs	0	65	90	Regular
	PolySynthPad	0	0	91	Regular
	PolyPad80	0	64	91	Regular
	ClickPad	0	65	91	Regular
	AnalogPad	0	66	91	Regular
	SquarePad	0	67	91	Regular
	ChoirPad	0	0	92	Regular
	Heaven	0	64	92	Regular
	Itopia	0	66	92	Regular
	CCPad	0	67	92	Regular
BowedPad	0	0	93	Regular	
Glacier	0	64	93	Regular	
GlassPad	0	65	93	Regular	
MetallicPad	0	0	94	Regular	
TinePad	0	64	94	Regular	
PanPad	0	65	94	Regular	
HaloPad	0	0	95	Regular	
SweepPad	0	0	96	Regular	
Shwimmer	0	20	96	Regular	
Converge	0	27	96	Regular	
PolarPad	0	64	96	Regular	
Celestial	0	66	96	Regular	
Synth.Effect	Rain	0	0	97	Regular
	ClaviPad	0	45	97	Regular
	HarmoRain	0	64	97	Regular
	AfricanWind	0	65	97	Regular
	Carib	0	66	97	Regular
	SoundTrack	0	0	98	Regular
	Prologue	0	27	98	Regular
	Ancestral	0	64	98	Regular

Category: GM & XG

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Synth.Effect	Crystal	0	0	99	Regular	
	SynthDrumComp	0	12	99	Regular	
	Popcorn	0	14	99	Regular	
	TinyBells	0	18	99	Regular	
	RoundGlocken	0	35	99	Regular	
	GlockenChime	0	40	99	Regular	
	ClearBells	0	41	99	Regular	
	ChorusBells	0	42	99	Regular	
	SynthMallet	0	64	99	Regular	
	SoftCrystal	0	65	99	Regular	
	LoudGlocken	0	66	99	Regular	
	ChristmasBel	0	67	99	Regular	
	VibeBells	0	68	99	Regular	
	DigitalBells	0	69	99	Regular	
	AirBells	0	70	99	Regular	
	BellHarp	0	71	99	Regular	
	Gamelimba	0	72	99	Regular	
	Atmosphere	0	0	100	Regular	
	WarmAtmosphere	0	18	100	Regular	
	HollowRelease	0	19	100	Regular	
	NylonEIPiano	0	40	100	Regular	
	NylonHarp	0	64	100	Regular	
	HarpVox	0	65	100	Regular	
	AtmospherePad	0	66	100	Regular	
	Planet	0	67	100	Regular	
	Brightness	0	0	101	Regular	
	FantasyBells	0	64	101	Regular	
	Smokey	0	96	101	Regular	
	Goblins	0	0	102	Regular	
	GoblinsSynth	0	64	102	Regular	
	Creeper	0	65	102	Regular	
	RingPad	0	66	102	Regular	
	Ritual	0	67	102	Regular	
	ToHeaven	0	68	102	Regular	
	Night	0	70	102	Regular	
	Glisten	0	71	102	Regular	
	BellChoir	0	96	102	Regular	
	Echoes	0	0	103	Regular	
	Echoes2	0	8	103	Regular	
	EchoPan	0	14	103	Regular	
	EchoBells	0	64	103	Regular	
	BigPan	0	65	103	Regular	
	SynthPiano	0	66	103	Regular	
	Creation	0	67	103	Regular	
	StarDust	0	68	103	Regular	
	Reso&Panning	0	69	103	Regular	
	Sci-Fi	0	0	104	Regular	
	Starz	0	64	104	Regular	
	Ethnic	Sitar1	0	0	105	Regular
		DetunedSitar	0	32	105	Regular
		Sitar2	0	35	105	Regular
		Tambra	0	96	105	Regular
		Tamboura	0	97	105	Regular
		Banjo	0	0	106	Regular
		MutedBanjo	0	28	106	Regular
		Rabab	0	96	106	Regular
		Gopichant	0	97	106	Regular
		Oud	0	98	106	Regular
		Shamisen	0	0	107	Regular
		Koto	0	0	108	Regular
		Taisho-kin	0	96	108	Regular
		Kanoon	0	97	108	Regular
		Kalimba	0	0	109	Regular
		Bagpipe	0	0	110	Regular
		Fiddle	0	0	111	Regular
		Shanai1	0	0	112	Regular
Shanai2		0	64	112	Regular	
Pungi		0	96	112	Regular	
Hichiriki		0	97	112	Regular	
Percussive		TinkleBell	0	0	113	Regular

Category: GM & XG

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Percussive	Bonang	0	96	113	Regular	
	Altair	0	97	113	Regular	
	GamelanGongs	0	98	113	Regular	
	StereoGamlan	0	99	113	Regular	
	RamaCymbal	0	100	113	Regular	
	AsianBells	0	101	113	Regular	
	Agogo	0	0	114	Regular	
	SteelDrums	0	0	115	Regular	
	GlassPerc.	0	97	115	Regular	
	ThaiBells	0	98	115	Regular	
	Woodblock	0	0	116	Regular	
	Castanets	0	96	116	Regular	
	TaikoDrum	0	0	117	Regular	
	GranCassa	0	96	117	Regular	
	MelodicTom1	0	0	118	Regular	
	MelodicTom2	0	64	118	Regular	
	RealTom	0	65	118	Regular	
	RockTom	0	66	118	Regular	
	SynthDrum	0	0	119	Regular	
	AnalogTom	0	64	119	Regular	
	ElectroPerc.	0	65	119	Regular	
	ReverseCymbal	0	0	120	Regular	
	SoundEffect	GtrFretNoise	0	0	121	Regular
		BreathNoise	0	0	122	Regular
		Seashore	0	0	123	Regular
		BirdTweet1	0	0	124	Regular
		TelephonRing1	0	0	125	Regular
		Helicopter	0	0	126	Regular
		Applause	0	0	127	Regular
		Gunshot	0	0	128	Regular
		CuttingNoise1	64	0	1	Regular
		CuttingNoise2	64	0	2	Regular
		StringSlap	64	0	4	Regular
		FluteKeyClick	64	0	17	Regular
		Shower	64	0	33	Regular
		Thunder	64	0	34	Regular
Wind		64	0	35	Regular	
Stream		64	0	36	Regular	
Bubble		64	0	37	Regular	
Feed		64	0	38	Regular	
Dog		64	0	49	Regular	
Horse		64	0	50	Regular	
BirdTweet2		64	0	51	Regular	
Ghost		64	0	55	Regular	
Maou		64	0	56	Regular	
PhoneCall		64	0	65	Regular	
DoorSqueak		64	0	66	Regular	
DoorSlam		64	0	67	Regular	
ScratchCut		64	0	68	Regular	
ScratchSplit		64	0	69	Regular	
WindChime		64	0	70	Regular	
TelephonRing2		64	0	71	Regular	
CarEngineIgn		64	0	81	Regular	
CarTiresSqueal		64	0	82	Regular	
CarPassing		64	0	83	Regular	
CarCrash		64	0	84	Regular	
Siren		64	0	85	Regular	
Train		64	0	86	Regular	
JetPlane	64	0	87	Regular		
Starship	64	0	88	Regular		
Burst	64	0	89	Regular		
RollrCoaster	64	0	90	Regular		
Submarine	64	0	91	Regular		
Laugh	64	0	97	Regular		
Scream	64	0	98	Regular		
Punch	64	0	99	Regular		
Heartbeat	64	0	100	Regular		
FootSteps	64	0	101	Regular		
MachineGun	64	0	113	Regular		
LaserGun	64	0	114	Regular		

Category: GM & XG

Sub Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PC# (1-128)	
SoundEffect	Explosion	64	0	115	Regular
	Firework	64	0	116	Regular

Category: GM2

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Piano	GrandPiano	121	0	1	Regular	
	GrandPno Wide	121	1	1	Regular	
	GrandPno Dark	121	2	1	Regular	
	BrightPiano	121	0	2	Regular	
	BrightPno Wide	121	1	2	Regular	
	E.GrandPiano	121	0	3	Regular	
	E.GrandPiano Wide	121	1	3	Regular	
	Honkytonk	121	0	4	Regular	
	Honkytonk Wide	121	1	4	Regular	
	ElectricPiano1	121	0	5	Regular	
	DetunedEP1	121	1	5	Regular	
	EP1 VeloMix	121	2	5	Regular	
	60sE.Piano	121	3	5	Regular	
	ElectricPiano2	121	0	6	Regular	
	DetunedEP2	121	1	6	Regular	
	EP2 VeloMix	121	2	6	Regular	
	EPLegend	121	3	6	Regular	
	EPPHase	121	4	6	Regular	
	Harpsichord	121	0	7	Regular	
	Harpsi OctMx	121	1	7	Regular	
	Harpsi Wide	121	2	7	Regular	
	Harpsi KeyOff	121	3	7	Regular	
	Clavi	121	0	8	Regular	
PulseClavi	121	1	8	Regular		
ChromaticPerc	Celesta	121	0	9	Regular	
	Glockenspiel	121	0	10	Regular	
	MusicBox	121	0	11	Regular	
	Vibraphone	121	0	12	Regular	
	Vibraphone W	121	1	12	Regular	
	Marimba	121	0	13	Regular	
	Marimba Wide	121	1	13	Regular	
	Xylophone	121	0	14	Regular	
	TubularBells	121	0	15	Regular	
	ChurchBells	121	1	15	Regular	
	Carillon	121	2	15	Regular	
	Dulcimer	121	0	16	Regular	
	Organ	DrawbarOrgan1	121	0	17	Regular
		DetDrawOrgan	121	1	17	Regular
lt60'sOrgan		121	2	17	Regular	
DrawbarOrgan2		121	3	17	Regular	
PercOrgan		121	0	18	Regular	
DetPercOrgan		121	1	18	Regular	
PercOrgan2		121	2	18	Regular	
RockOrgan		121	0	19	Regular	
ChurchOrgan		121	0	20	Regular	
ChrchOrganOct		121	1	20	Regular	
DetChurchOrgan		121	2	20	Regular	
ReedOrgan		121	0	21	Regular	
PuffOrgan		121	1	21	Regular	
Accordion1		121	0	22	Regular	
Accordion2		121	1	22	Regular	
Harmonica		121	0	23	Regular	
TangoAccordion		121	0	24	Regular	
Guitar		NylonGuitar1	121	0	25	Regular
	Ukulele	121	1	25	Regular	
	NylonGt KeyOff	121	2	25	Regular	
	NylonGuitar2	121	3	25	Regular	
	SteelGuitar	121	0	26	Regular	
	12StrGuitar	121	1	26	Regular	
	Mandolin	121	2	26	Regular	
	Steel&Body	121	3	26	Regular	
	JazzGuitar	121	0	27	Regular	

Category: GM2

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Guitar	PedlSteelGtr	121	1	27	Regular	
	CleanGuitar	121	0	28	Regular	
	DetCleanGuitar	121	1	28	Regular	
	MidToneGtr	121	2	28	Regular	
	MutedGuitar	121	0	29	Regular	
	FunkGuitar	121	1	29	Regular	
	MutedV-SwGtr	121	2	29	Regular	
	JazzMan	121	3	29	Regular	
	Overdriven	121	0	30	Regular	
	GuitarPinch	121	1	30	Regular	
	Distortion	121	0	31	Regular	
	FeedbackGtr	121	1	31	Regular	
	DstRhythmGtr	121	2	31	Regular	
	GtrHarmonics	121	0	32	Regular	
	GtrFeedback	121	1	32	Regular	
	Bass	AcousticBass	121	0	33	Regular
		FingerBass	121	0	34	Regular
		FingerSlap	121	1	34	Regular
		PickBass	121	0	35	Regular
FretlessBass		121	0	36	Regular	
SlapBass1		121	0	37	Regular	
SlapBass2		121	0	38	Regular	
SynthBass1		121	0	39	Regular	
WarmSyBass		121	1	39	Regular	
ResoSynhBass		121	2	39	Regular	
ClaviBass		121	3	39	Regular	
Hammer		121	4	39	Regular	
SynthBass2		121	0	40	Regular	
AttackBass		121	1	40	Regular	
RubberBass		121	2	40	Regular	
AttackPulse		121	3	40	Regular	
Strings		Violin	121	0	41	Regular
		SlwAtkViolin	121	1	41	Regular
	Viola	121	0	42	Regular	
	Cello	121	0	43	Regular	
	Contrabass	121	0	44	Regular	
	TremoloStrings	121	0	45	Regular	
	PizzicatoStr	121	0	46	Regular	
	OrchestralHarp	121	0	47	Regular	
	YangQin	121	1	47	Regular	
	Timpani	121	0	48	Regular	
Ensemble	Strings1	121	0	49	Regular	
	StringsBrass	121	1	49	Regular	
	60'sStrings	121	2	49	Regular	
	Strings2	121	0	50	Regular	
	SynStrings1	121	0	51	Regular	
	SynStrings2	121	0	52	Regular	
	SynStrings3	121	1	51	Regular	
	ChoirAahs1	121	0	53	Regular	
	ChoirAahs2	121	1	53	Regular	
	VoiceOohs	121	0	54	Regular	
	Humming	121	1	54	Regular	
	SynthVoice	121	0	55	Regular	
	AnalogVoice	121	1	55	Regular	
Brass	OrchestraHit	121	0	56	Regular	
	BassHitPlus	121	1	56	Regular	
	6thHit	121	2	56	Regular	
	EuroHit	121	3	56	Regular	
	Trumpet	121	0	57	Regular	
	DarkTpSoft	121	1	57	Regular	
	Trombone1	121	0	58	Regular	
	Trombone2	121	1	58	Regular	
	BrightTrombone	121	2	58	Regular	
	Tuba	121	0	59	Regular	
	MutedTrumpet1	121	0	60	Regular	
	MutedTrumpet2	121	1	60	Regular	
FrenchHorn1	121	0	61	Regular		
FrenchHorn2	121	1	61	Regular		
BrassSection1	121	0	62	Regular		
BrassSection2	121	1	62	Regular		

Category: GM2

Sub Category	Voice Name	Voice Number			Voice Type	
		MSB	LSB	PC# (1-128)		
Brass	SynthBrass1	121	0	63	Regular	
	SynthBrass2	121	0	64	Regular	
	SynthBrass3	121	1	63	Regular	
	SynthBrass4	121	1	64	Regular	
	AnaSynBrass1	121	2	63	Regular	
	AnaSynBrass2	121	2	64	Regular	
	JumpBrass	121	3	63	Regular	
Reed	SopranoSax	121	0	65	Regular	
	AltoSax	121	0	66	Regular	
	TenorSax	121	0	67	Regular	
	BaritoneSax	121	0	68	Regular	
	Oboe	121	0	69	Regular	
	EnglishHorn	121	0	70	Regular	
	Bassoon	121	0	71	Regular	
	Clarinet	121	0	72	Regular	
Pipe	Piccolo	121	0	73	Regular	
	Flute	121	0	74	Regular	
	Recorder	121	0	75	Regular	
	PanFlute	121	0	76	Regular	
	BlownBottle	121	0	77	Regular	
	Shakuhachi	121	0	78	Regular	
	Whistle	121	0	79	Regular	
	Ocarina	121	0	80	Regular	
	Synth.Lead	SquareLead1	121	0	81	Regular
SquareLead2		121	1	81	Regular	
SineLead		121	2	81	Regular	
SawtoothLead1		121	0	82	Regular	
SawtoothLead2		121	1	82	Regular	
SawPulseLead		121	2	82	Regular	
DoubleSawLead		121	3	82	Regular	
SeqAnalog		121	4	82	Regular	
CalliopeLead		121	0	83	Regular	
ChiffLead		121	0	84	Regular	
CharangLead		121	0	85	Regular	
WireLead		121	1	85	Regular	
VoiceLead		121	0	86	Regular	
FifthsLead		121	0	87	Regular	
Bass&Lead		121	0	88	Regular	
SoftWhirl		121	1	88	Regular	
Synth.Pad	NewAgePad	121	0	89	Regular	
	WarmPad	121	0	90	Regular	
	SinePad	121	1	90	Regular	
	PolySynthPad	121	0	91	Regular	
	ChoirPad	121	0	92	Regular	
	ItopiaPad	121	1	92	Regular	
	BowedPad	121	0	93	Regular	
	MetallicPad	121	0	94	Regular	
	HaloPad	121	0	95	Regular	
SweepPad	121	0	96	Regular		
Synth.Effect	Rain	121	0	97	Regular	
	SoundTrack	121	0	98	Regular	
	Crystal	121	0	99	Regular	
	SynthMallet	121	1	99	Regular	
	Atmosphere	121	0	100	Regular	
	Brightness	121	0	101	Regular	
	Goblins	121	0	102	Regular	
	Echoes	121	0	103	Regular	
	EchoBell	121	1	103	Regular	
	EchoPan	121	2	103	Regular	
	Sci-Fi	121	0	104	Regular	
	Ethnic	Sitar1	121	0	105	Regular
		Sitar2	121	1	105	Regular
Banjo		121	0	106	Regular	
Shamisen		121	0	107	Regular	
Koto		121	0	108	Regular	
TaishoKoto		121	1	108	Regular	
Kalimba		121	0	109	Regular	
Bagpipe		121	0	110	Regular	
Fiddle		121	0	111	Regular	
Shanai		121	0	112	Regular	

Category: GM2

Sub Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PC# (1-128)	
Percussive	TinkleBell	121	0	113	Regular
	Agogo	121	0	114	Regular
	SteelDrums	121	0	115	Regular
	Woodblock	121	0	116	Regular
	Castanets	121	1	116	Regular
	TaikoDrum	121	0	117	Regular
	ConcertBD	121	1	117	Regular
	MelodicTom1	121	0	118	Regular
	MelodicTom2	121	1	118	Regular
	SynthDrum	121	0	119	Regular
	RhythmBoxTom	121	1	119	Regular
	ElectricDrum	121	2	119	Regular
	ReverseCymbal	121	0	120	Regular
	SoundEffect	GtrFretNoise	121	0	121
GtrCutNoise		121	1	121	Regular
StringSlap		121	2	121	Regular
BreathNoise		121	0	122	Regular
FluteKeyClick		121	1	122	Regular
Seashore		121	0	123	Regular
Rain		121	1	123	Regular
Thunder		121	2	123	Regular
Wind		121	3	123	Regular
Stream		121	4	123	Regular
Bubble		121	5	123	Regular
BirdTweet1		121	0	124	Regular
Dog		121	1	124	Regular
HorseGallop		121	2	124	Regular
BirdTweet2		121	3	124	Regular
TelephoneRing1		121	0	125	Regular
TelephoneRing2		121	1	125	Regular
DoorCreaking		121	2	125	Regular
Door		121	3	125	Regular
Scratch		121	4	125	Regular
WindChime		121	5	125	Regular
Helicopter		121	0	126	Regular
CarEngine		121	1	126	Regular
CarStop		121	2	126	Regular
CarPass		121	3	126	Regular
CarCrash		121	4	126	Regular
Siren		121	5	126	Regular
Train		121	6	126	Regular
Jetplane		121	7	126	Regular
Starship		121	8	126	Regular
BurstNoise		121	9	126	Regular
Applause		121	0	127	Regular
Laughing		121	1	127	Regular
Screaming		121	2	127	Regular
Punch		121	3	127	Regular
HeartBeat		121	4	127	Regular
Footsteps	121	5	127	Regular	
Gunshot	121	0	128	Regular	
MachineGun	121	1	128	Regular	
LaserGun	121	2	128	Regular	
Explosion	121	3	128	Regular	
Drum	StandardSet	120	0	1	Drums
	RoomSet	120	0	9	Drums
	PowerSet	120	0	17	Drums
	ElectroSet	120	0	25	Drums
	AnalogSet	120	0	26	Drums
	JazzSet	120	0	33	Drums
	BrushSet	120	0	41	Drums
	OrchestraSet	120	0	49	Drums
SFX Set	120	0	57	SFX	

# MegaVoice Map / Sound-Zuordnungen der MegaVoices / Carte des sonorités MegaVoice / Mapa de MegaVoice

MSB	PC# (1-128)	Voice Name	Velocity Switch Points (B5 and lower)												C6 and higher	C8 and higher
			1-20	21-40	41-60	61-75	76-90	91-105	106-120	121-127	1-71	72-115	116-127	1-127		
8	0	NylonGuitar	open soft	open med	open hard	dead	mute	hammer	slide	harmonics	1-127	strum noise	1-127	fret noise		
8	0	SteelGuitar	open soft	open med	open hard	dead	mute	hammer	slide	harmonics	1-127	strum noise	1-127	fret noise		
8	0	HStringGuitar	1-89	soft	1-89	soft	1-71	soft	72-115	med	hard	1-127	strum noise	1-127		
8	1	12StringGuitar	1-89	soft	1-89	soft	1-71	soft	72-115	med	hard	1-127	strum noise	1-127		
8	0	CleanGuitar	open soft	open hard	slap	dead	76-90	mute	hammer	slide	121-127	pick harmonics	1-127	fret noise		
8	1	SolidGuitar1	open soft	open hard	slap	dead	76-90	mute	hammer	slide	121-127	pick harmonics	1-127	fret noise		
8	2	SolidGuitar2	open soft	open med	open hard	dead	76-90	mute	hammer	slide	121-127	pick harmonics	1-127	fret noise		
8	3	SingleCoilGuitar	open soft	open med	open hard	dead	76-90	mute	hammer	slide	121-127	pick harmonics	1-127	fret noise		
8	0	OverdriveGuitar	1-55	open	open	open	56-120	mute	121-127	pick harmonics	1-127	SE				
8	0	DistortionGuitar	1-55	open	open	open	56-120	mute	121-127	pick harmonics	1-127	SE				
8	0	JazzGuitar	open soft	open med	open hard	dead soft	dead hard	76-90	hammer	slide	121-127	strum noise	1-127			
8	0	AcousticBass	open soft	open soft	open hard	open hard	dead	81-120	dead	harmonics	1-127	SE				
8	0	ElectricBass	open soft	open soft	open hard	open hard	dead	81-120	dead	slap	1-127	SE				
8	1	VintageRound	open soft	open soft	open hard	open hard	dead	81-120	dead	harmonics	1-127	SE				
8	2	VintageFlat	open soft	open soft	open hard	open hard	dead	81-120	dead	harmonics	1-127	SE				
8	0	PickBass	open	open	41-80	mute	dead	81-120	dead	harmonics	1-127	SE				
8	1	VintagePick	open	open	41-80	mute	dead	81-120	dead	harmonics	1-127	SE				
8	0	FretlessBass	open	open	1-80	open	dead	81-120	dead	harmonics	1-127	SE				
8	0	SmallStrings	p	mf	f	legato	spiccato f	81-95	spiccato ff	111-120	tremolo	glissando down				
8	0	LargeStrings	p	mf	f	legato	spiccato f	81-95	spiccato ff	111-120	tremolo	glissando down				

MSB	LSB	PC# (1-128)	Voice Name	Velocity Switch Points (B5 and lower)												C6 and higher	C8 and higher
				1-20	21-40	41-60	61-80	81-90	91-100	101-110	111-120	121-127	101-110	111-120	121-127		
8	0	57	Brass	p	mf	f	attack	scoop	shake	fall fast mf	fall fast f	121-127					
8	0	65	Trumpet	mf	f	ff	61-80 legato	81-100 straight	101-110 shake	111-120 fall	121-127 glissando up	1-127	valve noise	1-127			
8	0	83	TenorSax	mp	mf	f	61-80 legato	81-100 growl	101-127	fall		valve noise (C6 - B6 key on noise C7 - B7 key off noise)	breath noise	1-127			

# Drum/Key Assignment List / Liste der Tastenzuordnungen der Schlaginstrumente / Liste des affectations d'instrument de batterie/touche de clavier / Lista de asignación de teclas/batería

Voice Name			StandardKit1			StandardKit2			HitKit			RoomKit			RockKit(Legacy)		
MSB-LSB-PC# (1-128)			127-0-1			127-0-2			127-0-5			127-0-9			127-0-17		
Drum Tutor			○			○			○			○			○		
Note#	MIDI Note	Keyboard Note	Full Name	Alt Grp (*1)	Key Off (*2)	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off
13	C#-1	C#0	Surdo Mute	3		Surdo Mute	3		Surdo Mute	3		Surdo Mute	3		Surdo Mute	3	
14	D-1	D0	Surdo Open	3		Surdo Open	3		Surdo Open	3		Surdo Open	3		Surdo Open	3	
15	D#-1	D#0	Hi Q			Hi Q			Hi Q			Hi Q			Hi Q		
16	E-1	E0	Whip Slap			Whip Slap			Whip Slap			Whip Slap			Whip Slap		
17	F-1	F0	Scratch H	4		Scratch H	4		Scratch H	4		Scratch H	4		Scratch H	4	
18	F#-1	F#0	Scratch L	4		Scratch L	4		Scratch L	4		Scratch L	4		Scratch L	4	
19	G-1	G0	Finger Snap			Finger Snap			Finger Snap			Finger Snap			Finger Snap		
20	G#-1	G#0	Click Noise			Click Noise			Click Noise			Click Noise			Click Noise		
21	A-1	A0	Metronome Click			Metronome Click			Metronome Click			Metronome Click			Metronome Click		
22	A#-1	A#0	Metronome Bell			Metronome Bell			Metronome Bell			Metronome Bell			Metronome Bell		
23	B-1	B0	Seq Click L			Seq Click L			Seq Click L			Seq Click L			Seq Click L		
24	C0	C1	Seq Click H			Seq Click H			Seq Click H			Seq Click H			Seq Click H		
25	C#0	C#1	Brush Tap			Brush Tap			Brush Tap			Brush Tap			Brush Tap		
26	D0	D1	Brush Swirl		●	Brush Swirl		●	Brush Swirl		●	Brush Swirl		●	Brush Swirl		●
27	D#0	D#1	Brush Slap			Brush Slap			Brush Slap			Brush Slap			Brush Slap		
28	E0	E1	Brush Tap Swirl		●	Brush Tap Swirl		●	Brush Tap Swirl		●	Brush Tap Swirl		●	Brush Tap Swirl		●
29	F0	F1	Snare Roll		●	Snare Roll		●	Snare Roll		●	Snare Roll		●	Snare Roll		●
30	F#0	F#1	Castanet			Castanet			Castanet			Castanet			Castanet		
31	G0	G1	Snare Soft			Snare Soft 2			Snare Electro			Snare Soft			Snare Noisy		
32	G#0	G#1	Sticks			Sticks			Sticks			Sticks			Sticks		
33	A0	A1	Kick Soft			Kick Soft			Kick Tight L			Kick Soft			Kick Soft		
34	A#0	A#1	Open Rim Shot			Open Rim Shot H Short			Snare Pitched			Open Rim Shot			Open Rim Shot		
35	B0	B1	Kick Tight			Kick Tight			Kick Wet			Kick Tight			Kick 2		
36	C1	C2	Kick			Kick Short			Kick Tight H			Kick			Kick Gate		
37	C#1	C#2	Side Stick			Side Stick Light			Stick Ambient			Side Stick			Side Stick		
38	D1	D2	Snare			Snare Short			Snare Ambient			Snare Snappy			Snare Rock		
39	D#1	D#2	Hand Clap			Hand Clap			Hand Clap			Hand Clap			Hand Clap		
40	E1	E2	Snare Tight			Snare Tight H			Snare Tight 2			Snare Tight Snappy			Snare Rock Tight		
41	F1	F2	Floor Tom L			Floor Tom L			Hybrid Tom 1			Tom Room 1			Tom Rock 1		
42	F#1	F#2	Hi-Hat Closed	1		Hi-Hat Closed	1		Hi-Hat Closed 2	1		Hi-Hat Closed	1		Hi-Hat Closed	1	
43	G1	G2	Floor Tom H			Floor Tom H			Hybrid Tom 2			Tom Room 2			Tom Rock 2		
44	G#1	G#2	Hi-Hat Pedal	1		Hi-Hat Pedal	1		Hi-Hat Pedal 2	1		Hi-Hat Pedal	1		Hi-Hat Pedal	1	
45	A1	A2	Low Tom			Low Tom			Hybrid Tom 3			Tom Room 3			Tom Rock 3		
46	A#1	A#2	Hi-Hat Open	1		Hi-Hat Open	1		Hi-Hat Open 2	1		Hi-Hat Open	1		Hi-Hat Open	1	
47	B1	B2	Mid Tom L			Mid Tom L			Hybrid Tom 4			Tom Room 4			Tom Rock 4		
48	C2	C3	Mid Tom H			Mid Tom H			Hybrid Tom 5			Tom Room 5			Tom Rock 5		
49	C#2	C#3	Crash Cymbal 1			Crash Cymbal 1			Crash Cymbal 1			Crash Cymbal 1			Crash Cymbal 1		
50	D2	D3	High Tom			High Tom			Hybrid Tom 6			Tom Room 6			Tom Rock 6		
51	D#2	D#3	Ride Cymbal 1			Ride Cymbal 1			Ride Cymbal 1			Ride Cymbal 1			Ride Cymbal 1		
52	E2	E3	Chinese Cymbal			Chinese Cymbal			Chinese Cymbal			Chinese Cymbal			Chinese Cymbal		
53	F2	F3	Ride Cymbal Cup			Ride Cymbal Cup			Ride Cymbal Cup			Ride Cymbal Cup			Ride Cymbal Cup		
54	F#2	F#3	Tambourine			Tambourine			Tambourine Light			Tambourine			Tambourine		
55	G2	G3	Splash Cymbal			Splash Cymbal			Splash Cymbal			Splash Cymbal			Splash Cymbal		
56	G#2	G#3	Cowbell			Cowbell			Cowbell			Cowbell			Cowbell		
57	A2	A3	Crash Cymbal 2			Crash Cymbal 2			Crash Cymbal 2			Crash Cymbal 2			Crash Cymbal 2		
58	A#2	A#3	Vibraslap			Vibraslap			Vibraslap			Vibraslap			Vibraslap		
59	B2	B3	Ride Cymbal 2			Ride Cymbal 2			Ride Cymbal 2			Ride Cymbal 2			Ride Cymbal 2		
60	C3	C4	Bongo H			Bongo H			Bongo H			Bongo H			Bongo H		
61	C#3	C#4	Bongo L			Bongo L			Bongo L			Bongo L			Bongo L		
62	D3	D4	Conga H Mute			Conga H Mute			Conga H Mute			Conga H Mute			Conga H Mute		
63	D#3	D#4	Conga H Open			Conga H Open			Conga H Open			Conga H Open			Conga H Open		
64	E3	E4	Conga L			Conga L			Conga L			Conga L			Conga L		
65	F3	F4	Timbale H			Timbale H			Timbale H			Timbale H			Timbale H		
66	F#3	F#4	Timbale L			Timbale L			Timbale L			Timbale L			Timbale L		
67	G3	G4	Agogo H			Agogo H			Agogo H			Agogo H			Agogo H		
68	G#3	G#4	Agogo L			Agogo L			Agogo L			Agogo L			Agogo L		
69	A3	A4	Cabasa			Cabasa			Cabasa			Cabasa			Cabasa		
70	A#3	A#4	Maracas			Maracas			Maracas			Maracas			Maracas		
71	B3	B4	Samba Whistle H		●	Samba Whistle H		●	Samba Whistle H		●	Samba Whistle H		●	Samba Whistle H		●
72	C4	C5	Samba Whistle L		●	Samba Whistle L		●	Samba Whistle L		●	Samba Whistle L		●	Samba Whistle L		●
73	C#4	C#5	Guiro Short			Guiro Short			Guiro Short			Guiro Short			Guiro Short		
74	D4	D5	Guiro Long		●	Guiro Long		●	Guiro Long		●	Guiro Long		●	Guiro Long		●
75	D#4	D#5	Claves			Claves			Claves			Claves			Claves		
76	E4	E5	Wood Block H			Wood Block H			Wood Block H			Wood Block H			Wood Block H		
77	F4	F5	Wood Block L			Wood Block L			Wood Block L			Wood Block L			Wood Block L		
78	F#4	F#5	Cuica Mute			Cuica Mute			Cuica Mute			Cuica Mute			Cuica Mute		
79	G4	G5	Cuica Open			Cuica Open			Cuica Open			Cuica Open			Cuica Open		
80	G#4	G#5	Triangle Mute	2		Triangle Mute	2		Triangle Mute	2		Triangle Mute	2		Triangle Mute	2	
81	A4	A5	Triangle Open	2		Triangle Open	2		Triangle Open	2		Triangle Open	2		Triangle Open	2	
82	A#4	A#5	Shaker			Shaker			Shaker			Shaker			Shaker		
83	B4	B5	Jingle Bells			Jingle Bells			Jingle Bells			Jingle Bells			Jingle Bells		
84	C5	C6	Bell Tree			Bell Tree			Bell Tree			Bell Tree			Bell Tree		
85	C#5	C#6															
86	D5	D6															
87	D#5	D#6															
88	E5	E6															
89	F5	F6															
90	F#5	F#6															
91	G5	G6															

Same as Standard Kit 1  
No Sound

\*1 Alternate Group: Playing any instrument within a numbered group will immediately stop the sound of any other instrument in the same group of the same number.  
\*2 Key Off: Keys marked "●" stop sounding the instant they are released.

## DGX-670 Data List

Voice Name			ElectroKit			AnalogKit			DanceKit			JazzKit			BrushKit		
MSB-LSB-PC# (1-128)			127-0-25			127-0-26			127-0-28			127-0-33			127-0-41		
Drum Tutor												○			○		
Note#	MIDI Note	Keyboard Note	Full Name	Alt Grp (*1)	Key Off (*2)	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off
13	C#-1	C#0	Surdo Mute	3		Surdo Mute	3		Kick Dance 1			Surdo Mute	3		Surdo Mute	3	
14	D-1	D0	Surdo Open	3		Surdo Open	3		Kick Dance 2			Surdo Open	3		Surdo Open	3	
15	D#-1	D#0	Hi Q			Hi Q			Hi Q			Hi Q			Hi Q		
16	E-1	E0	Whip Slap			Whip Slap			Whip Slap		●	Whip Slap			Whip Slap		
17	F-1	F0	Scratch H	4		Scratch H	4		Scratch Dance 1		●	Scratch H	4		Scratch H	4	
18	F#-1	F#0	Scratch L	4		Scratch L	4		Scratch Dance 2		●	Scratch L	4		Scratch L	4	
19	G-1	G0	Finger Snap			Finger Snap			Finger Snap			Finger Snap			Finger Snap		
20	G#-1	G#0	Click Noise			Click Noise			Click Noise			Click Noise			Click Noise		
21	A-1	A0	Metronome Click			Metronome Click			Dance Perc 1			Metronome Click			Metronome Click		
22	A#-1	A#0	Metronome Bell			Metronome Bell			Reverse Dance 1			Metronome Bell			Metronome Bell		
23	B-1	B0	Seq Click L			Seq Click L			Dance Perc 2			Seq Click L			Seq Click L		
24	C0	C1	Seq Click H			Seq Click H			Hi Q Dance 1			Seq Click H			Seq Click H		
25	C#0	C#1	Brush Tap			Brush Tap			Snare Analog 3			Brush Tap			Brush Tap		
26	D0	D1	Brush Swirl		●	Brush Swirl		●	Vinyl Noise		●	Brush Swirl		●	Brush Swirl		●
27	D#0	D#1	Brush Slap			Brush Slap			Snare Analog 4			Brush Slap			Brush Slap		
28	E0	E1	Reverse Cymbal		●	Reverse Cymbal		●	Reverse Cymbal		●	Brush Tap Swirl		●	Brush Tap Swirl		●
29	F0	F1	Snare Roll		●	Snare Roll		●	Reverse Dance 2		●	Snare Roll		●	Snare Roll		●
30	F#0	F#1	Hi Q 2			Hi Q 2			Hi Q 2			Castanet			Castanet		
31	G0	G1	Snare Snappy Electro			Snare Noisy 4			Snare Techno			Snare Jazz H			Brush Slap 2		
32	G#0	G#1	Sticks			Sticks			Snare Dance 1			Sticks			Sticks		
33	A0	A1	Kick 3			Kick 3			Kick Techno Q			Kick Soft			Kick Soft		
34	A#0	A#1	Open Rim Shot			Open Rim Shot			Rim Gate			Open Rim Shot			Open Rim Shot		
35	B0	B1	Kick Gate			Kick Analog Short			Kick Techno L			Kick Tight			Kick Tight		
36	C1	C2	Kick Gate Heavy			Kick Gate Heavy			Kick Analog			Kick Jazz			Kick Jazz		
37	C#1	C#2	Side Stick			Side Stick Analog			Side Stick Analog			Side Stick Light			Side Stick Light		
38	D1	D2	Snare Noisy 2			Snare Analog			Snare Clap			Snare Jazz L			Brush Slap 3		
39	D#1	D#2	Hand Clap			Hand Clap			Dance Clap			Hand Clap			Hand Clap		
40	E1	E2	Snare Noisy 3			Snare Analog 2			Snare Dry			Snare Jazz M			Brush Tap 2		
41	F1	F2	Tom Electro 1			Tom Analog 1			Tom Dance 1			Floor Tom L			Tom Brush 1		
42	F#1	F#2	Hi-Hat Closed	1		Hi-Hat Closed Analog	1		Hi-Hat Closed 3	1		Hi-Hat Closed	1		Hi-Hat Closed	1	
43	G1	G2	Tom Electro 2			Tom Analog 2			Tom Dance 2			Floor Tom H			Tom Brush 2		
44	G#1	G#2	Hi-Hat Pedal	1		Hi-Hat Closed Analog 2	1		Hi-Hat Closed Analog 3	1		Hi-Hat Pedal	1		Hi-Hat Pedal	1	
45	A1	A2	Tom Electro 3			Tom Analog 3			Tom Dance 3			Low Tom			Tom Brush 3		
46	A#1	A#2	Hi-Hat Open	1		Hi-Hat Open Analog	1		Hi-Hat Open 3	1		Hi-Hat Open	1		Hi-Hat Open	1	
47	B1	B2	Tom Electro 4			Tom Analog 4			Tom Dance 4			Mid Tom L			Tom Brush 4		
48	C2	C3	Tom Electro 5			Tom Analog 5			Tom Dance 5			Mid Tom H			Tom Brush 5		
49	C#2	C#3	Crash Cymbal 1			Crash Analog			Crash Analog			Crash Cymbal 1			Crash Cymbal 1		
50	D2	D3	Tom Electro 6			Tom Analog 6			Tom Dance 6			High Tom			Tom Brush 6		
51	D#2	D#3	Ride Cymbal 1			Ride Cymbal 1			Ride Cymbal 1			Ride Cymbal 1			Ride Cymbal 1		
52	E2	E3	Chinese Cymbal			Chinese Cymbal			Chinese Cymbal			Chinese Cymbal			Chinese Cymbal		
53	F2	F3	Ride Cymbal Cup			Ride Cymbal Cup			Ride Cymbal Cup			Ride Cymbal Cup			Ride Cymbal Cup		
54	F#2	F#3	Tambourine			Tambourine			Tambourine Analog			Tambourine			Tambourine		
55	G2	G3	Splash Cymbal			Splash Cymbal			Splash Cymbal			Splash Cymbal			Splash Cymbal		
56	G#2	G#3	Cowbell			Cowbell Analog			Cowbell Dance			Cowbell			Cowbell		
57	A2	A3	Crash Cymbal 2			Crash Cymbal 2			Crash Cymbal 2			Crash Cymbal 2			Crash Cymbal 2		
58	A#2	A#3	Vibraslap			Vibraslap			Vibraslap Analog			Vibraslap			Vibraslap		
59	B2	B3	Ride Cymbal 2			Ride Cymbal 2			Ride Analog			Ride Cymbal 2			Ride Cymbal 2		
60	C3	C4	Bongo H			Bongo H			Bongo Analog H			Bongo H			Bongo H		
61	C#3	C#4	Bongo L			Bongo L			Bongo Analog L			Bongo L			Bongo L		
62	D3	D4	Conga H Mute			Conga Analog H			Conga Analog H			Conga H Mute			Conga H Mute		
63	D#3	D#4	Conga H Open			Conga Analog M			Conga Analog M			Conga H Open			Conga H Open		
64	E3	E4	Conga L			Conga Analog L			Conga Analog L			Conga L			Conga L		
65	F3	F4	Timbale H			Timbale H			Timbale H			Timbale H			Timbale H		
66	F#3	F#4	Timbale L			Timbale L			Timbale L			Timbale L			Timbale L		
67	G3	G4	Agogo H			Agogo H			Agogo H			Agogo H			Agogo H		
68	G#3	G#4	Agogo L			Agogo L			Agogo L			Agogo L			Agogo L		
69	A3	A4	Cabasa			Cabasa			Cabasa			Cabasa			Cabasa		
70	A#3	A#4	Maracas			Maracas 2			Maracas 2			Maracas			Maracas		
71	B3	B4	Samba Whistle H		●	Samba Whistle H		●	Samba Whistle H		●	Samba Whistle H		●	Samba Whistle H		●
72	C4	C5	Samba Whistle L		●	Samba Whistle L		●	Samba Whistle L		●	Samba Whistle L		●	Samba Whistle L		●
73	C#4	C#5	Guiro Short			Guiro Short			Guiro Short			Guiro Short			Guiro Short		
74	D4	D5	Guiro Long		●	Guiro Long		●	Guiro Long		●	Guiro Long		●	Guiro Long		●
75	D#4	D#5	Claves			Claves 2			Claves 2			Claves			Claves		
76	E4	E5	Wood Block H			Wood Block H			Dance Perc 3			Wood Block H			Wood Block H		
77	F4	F5	Wood Block L			Wood Block L			Dance Perc 4		●	Wood Block L			Wood Block L		
78	F#4	F#5	Scratch H 2			Scratch H 2			Dance Breath 1			Cuica Mute			Cuica Mute		
79	G4	G5	Scratch L 2			Scratch L 2			Dance Breath 2		●	Cuica Open			Cuica Open		
80	G#4	G#5	Triangle Mute	2		Triangle Mute	2		Triangle Mute	2		Triangle Mute	2		Triangle Mute	2	
81	A4	A5	Triangle Open	2		Triangle Open	2		Triangle Open	2		Triangle Open	2		Triangle Open	2	
82	A#4	A#5	Shaker			Shaker			Shaker			Shaker			Shaker		
83	B4	B5	Jingle Bells			Jingle Bells			Jingle Bells			Jingle Bells			Jingle Bells		
84	C5	C6	Bell Tree			Bell Tree			Bell Tree			Bell Tree			Bell Tree		
85	C#5	C#6															
86	D5	D6															
87	D#5	D#6															
88	E5	E6															
89	F5	F6															
90	F#5	F#6															
91	G5	G6															

Same as Standard Kit 1  
No Sound

\*1 Alternate Group: Playing any instrument within a numbered group will immediately stop the sound of any other instrument in the same group of the same number.  
\*2 Key Off: Keys marked ● stop sounding the instant they are released.

### DGX-670 Data List

Drum/Key Assignment List / Liste der Tastenzuordnungen der Schlaginstrumente / Liste des affectations d'instrument de batterie/touche de clavier / Lista de asignación de teclas/batería



Voice Name			SymphonyKit			HipHopKit			BreakKit			AnalogT8Kit			AnalogT9Kit		
MSB-LSB-PC# (1-128)			127-0-49			127-0-57			127-0-58			127-0-59			127-0-60		
Drum Tutor			○														
Note#	MIDI Note	Keyboard Note	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off
13	C#-1	C#0	Surdo Mute	3		Surdo Mute	5		Surdo Mute	3		Surdo Mute	3		Surdo Mute	3	
14	D-1	D0	Surdo Open	3		Surdo Open	5		Surdo Open	3		Surdo Open	3		Surdo Open	3	
15	D#-1	D#0	Hi Q			Hi Q			Hi Q			Hi Q			Hi Q		
16	E-1	E0	Whip Slap			Whip Slap			Whip Slap			Whip Slap			Whip Slap		
17	F-1	F0	Scratch H	4		Scratch H	6		Scratch H	4		Scratch H	4		Scratch H	4	
18	F#-1	F#0	Scratch L	4		Scratch L	6		Scratch L	4		Scratch L	4		Scratch L	4	
19	G-1	G0	Finger Snap			Hi-Hat Closed T8 2	4		Finger Snap			Snare Hammer			Snare Drum&Bass 1		
20	G#-1	G#0	Click Noise			Tom T8 3			Snare Break 8			Kick Zap Hard			Kick Break 2		
21	A-1	A0	Metronome Click			Hi-Hat Open T8 2	4		Snare Break 9			Snare Garg L			Snare Distortion		
22	A#-1	A#0	Metronome Bell			Tom T8 6			Hi-Hat Closed Break 1		●	Kick Tek Power			Kick Tek Power		
23	B-1	B0	Seq Click L			Crash T8			Hi-Hat Closed Break 2		●	Kick Slimy			Kick Distortion RM		
24	C0	C1	Seq Click H			Triangle Mute	1		Kick Break Deep			Kick T8 4			Kick T9 2		
25	C#0	C#1	Brush Tap			Triangle Open	1		Snare Hip			Snare Analog CR			Snare Analog CR		
26	D0	D1	Brush Swirl		●	Wind Chime			Snare Lo-Fi			Snare T8 7			Snare T9 5		
27	D#0	D#1	Brush Slap			Tambourine Light 2			Snare Clappy			Snare Clap Analog			Clap Analog Sm		
28	E0	E1	Brush Tap Swirl		●	Tambourine Light 1			Snare LdwH Mono			Snare T8 6			Snare T9 Gate 1		
29	F0	F1	Snare Roll		●	Kick HipHop 9			Snare Rock Roll		●	Tom T8 5			Snare Rock Roll		●
30	F#0	F#1	Castanet			Hi-Hat Closed Tek	3		Snare Gate 1			Snare T8 5			Snare T9 3		
31	G0	G1	Snare Soft			Kick Gate			Snare Mid			Kick T8 3			Snare T9 4		
32	G#0	G#1	Sticks			Hi-Hat Open Lo-Fi	3		Snare Break Rim			Snare T8 4			Snare T9 Gate 2		
33	A0	A1	Kick Soft 2			Kick Gran Casa Open			Kick Break Heavy			Kick T8 2			Kick T9 4		
34	A#0	A#1	Open Rim Shot			Hi-Hat Reverse Drum&Bass			Snare Hip Rim 4			Snare T8 3			Snare T9 6		
35	B0	B1	Gran Cassa			Kick HipHop 1			Kick Break 2			T8 Kick Bass			Kick T9 1		
36	C1	C2	Gran Cassa Mute			Kick Analog CR			Kick Break 1			Kick T8 1			Kick T9 3		
37	C#1	C#2	Side Stick			Snare Analog Sm Rim			Snare Hip Rim 1			Snare T8 Rim			Snare T9 Rim		
38	D1	D2	Band Snare			Snare HipHop 1			Snare Break 3			Snare T8 2			Snare T9 1		
39	D#1	D#2	Hand Clap			Snare Clappy			Snare Break 1			Clap T9			Clap T9		
40	E1	E2	Band Snare 2			Snare HipHop 2			Snare Break 2			Snare T8 1			Snare T9 2		
41	F1	F2	Floor Tom L			Floor Tom L			Tom Break 1			Tom T8 1			Tom T9 1		
42	F#1	F#2	Hi-Hat Closed	1		Hi-Hat Closed HipHop	2		Hi-Hat Closed Rock Soft	1		Hi-Hat Closed T8	1		Hi-Hat Closed T9	1	
43	G1	G2	Floor Tom H			Low Tom			Tom Break 2			Tom T8 2			Tom T9 2		
44	G#1	G#2	Hi-Hat Pedal	1		Hi-Hat Pedal HipHop	2		Hi-Hat Pedal Rock	1		Hi-Hat Pedal T8	1		Hi-Hat Pedal T9	1	
45	A1	A2	Low Tom			Mid Tom L			Tom Break 3			Tom T8 3			Tom T9 3		
46	A#1	A#2	Hi-Hat Open	1		Hi-Hat Open HipHop	2		Hi-Hat Half Open Rock	1		Hi-Hat Open T8	1		Hi-Hat Open T9	1	
47	B1	B2	Mid Tom L			High Tom			Tom Break 4			Tom T8 4			Tom T9 4		
48	C2	C3	Mid Tom H			Ride Cymbal 3			Tom Break 5			Tom T8 6			Tom T9 5		
49	C#2	C#3	Hand Cymbal			Crash Cymbal 3			Crash Cymbal 1			Crash Cymbal T8			Crash Cymbal T9		
50	D2	D3	High Tom			Shaker 2			Tom Break 6			Tom T8 7			Tom T9 6		
51	D#2	D#3	Hand Cymbal Short			Scratch Bass Drum Forward			Ride Cymbal 3			Ride Cymbal T9			Ride Cymbal T9		
52	E2	E3	Chinese Cymbal			Scratch Bass Drum Reverse			China Cymbal 2			China Cymbal 2			China Cymbal 2		
53	F2	F3	Ride Cymbal Cup			Kick HipHop 2			Ride Cymbal Cup 2			Ride Cymbal Cup 2			Ride Cymbal Cup 2		
54	F#2	F#3	Tambourine			Snare HipHop Rim 2			Tambourine 1 Hit			Tambourine RX5			Tambourine RX5		
55	G2	G3	Splash Cymbal			HipHop Clap 2			Splash Cymbal 2			Splash Cymbal			Splash Cymbal 2		
56	G#2	G#3	Cowbell			HipHop Snap 1			Cowbell 1			Cowbell T8			Cowbell 1		
57	A2	A3	Hand Cymbal 2			Snare HipHop 3			Crash Cymbal 2			Crash Cymbal 4			Crash Cymbal 4		
58	A#2	A#3	Vibraslap			Electric Clap 2			Cowbell RX11			Vibraslap			Cowbell T8		
59	B2	B3	Hand Cymbal Short 2			Kick Hip Deep			Ride Cymbal 2			Ride Cymbal 3			Ride Cymbal 3		
60	C3	C4	Bongo H			Kick HipHop 3			Bongo H			Conga T8 5			Conga T8 5		
61	C#3	C#4	Bongo L			Bongo L			Bongo L			Conga T8 4			Conga T8 4		
62	D3	D4	Conga H Mute			Snare HipHop 5			Conga H Tip			Conga T8 3			Conga Tip		
63	D#3	D#4	Conga H Open			Electric Clap 1			Conga H Open Slap			Conga T8 2			Conga Open Slap		
64	E3	E4	Conga L			Handbell H			Conga H Open			Conga T8 1			Conga Open		
65	F3	F4	Timbale H			Kick HipHop 4			Bongo 2 H			Timbale H			Timbale H		
66	F#3	F#4	Timbale L			HipHop Clap 3			Bongo 2 L			Timbale L			Timbale L		
67	G3	G4	Agogo L			HipHop Snap 2			Conga Open			Glass H			Analog Click		
68	G#3	G#4	Agogo L			Snare HipHop Rim 5			Agogo L			Glass L			Conga T8 1		
69	A3	A4	Cabasa			HipHop Flex 1			Cabasa			Cabasa			Cabasa		
70	A#3	A#4	Maracas			HipHop Flex 2			Maracas Slur			Maracas T8			Maracas Slur 2		
71	B3	B4	Samba Whistle H		●	Shaker 2			Timbale H			Fx Gun 2		●	Fx Gun 2		●
72	C4	C5	Samba Whistle L		●	Kick HipHop 5			Timbale L			Fx Gun 1		●	Fx Gun 1		●
73	C#4	C#5	Guiro Short			Snare HipHop Rim 4			Scratch H 3		●	Analog Shaker H		●	Scratch H 3		●
74	D4	D5	Guiro Long		●	Snare HipHop 6			Scratch Down		●	Analog Shaker L		●	Scratch Down		●
75	D#4	D#5	Claves			Snare HipHop 11			Claves			Claves T8			Hi Q 3		
76	E4	E5	Wood Block H			Kick HipHop 10			Wood Block H			Hi Q 1			Hi Q 1		
77	F4	F5	Wood Block L			Snare HipHop 7			Wood Block L			Hi Q 2			Hi Q 2		
78	F#4	F#5	Cuica Mute			HipHop Clap 5			Scratch H 2			Scratch H 2			Scratch H 2		
79	G4	G5	Cuica Open			Conga H Tip			Scratch L 2			Scratch L 2			Scratch L 2		
80	G#4	G#5	Triangle Mute	2		Conga H Heel			Triangle Mute	2		Triangle Mute	2		Triangle Mute	2	
81	A4	A5	Triangle Open	2		Conga H Open			Triangle Open	2		Triangle Open	2		Triangle Open	2	
82	A#4	A#5	Shaker			Conga L Open 1			Kick Break 3			Analog Shaker			Analog Shaker		
83	B4	B5	Jingle Bells			Conga L Open 2			Kick Break 4			Sleigh Bells			Jingle Bells		
84	C5	C6	Bell Tree			Kick HipHop 8			Kick Break 5		●	Wind Chime			Wind Chime		
85	C#5	C#6				HipHop Clap 6			Kick Break 6			Snare Hip 1			Snare Piccolo		
86	D5	D6				Snare T8 1			Kick Break 7			Snare Hip 2			Snare T8 7		
87	D#5	D#6				Snare T8 1 H			Hi-Hat Closed Break 3			Snare Hip Gate			Snare RckRollDist		
88	E5	E6				HipHop Clap 7			Snare Break 4			Snare Break 1			Snare Brush Mute		
89	F5	F6				Tom T8 1			Snare Break 5			Kick Blip			Kick Blip Hard		
90	F#5	F#6				Hi-Hat Closed T8 2			Snare Break 6			Snare Fx 1			Snare Jungle 1		
91	G5	G6				Tom T8 2			Snare Break 7			Kick Fx Hammer			Kick Sustain		

Same as Standard Kit 1  
No Sound

\*1 Alternate Group: Playing any instrument within a numbered group will immediately stop the sound of any other instrument in the same group of the same number.  
\*2 Key Off: Keys marked "●" stop sounding the instant they are released.

DGX-670 Data List

Voice Name			HouseKit			StudioKit			PowerKit1			PowerKit2			AcousticKit		
MSB-LSB-PC# (1-128)			127-0-61			127-0-87			127-0-88			127-0-89			127-0-90		
Drum Tutor																	
Note#	MIDI Note	Keyboard Note	Full Name	Alt Grp (*1)	Key Off (*2)	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off
13	C#-1	C#0	W Kick		●	Surdo Mute	3		Surdo Mute	3		Surdo Mute	3		Surdo Mute	3	
14	D-1	D0	Disco Fx		●	Surdo Open	3		Surdo Open	3		Surdo Open	3		Surdo Open	3	
15	D#-1	D#0	White Noise Down 1		●	Hi Q			Hi Q			Hi Q			Hi Q		
16	E-1	E0	Pink Noise Down 1		●	Whip Slap			Whip Slap			Whip Slap			Whip Slap		
17	F-1	F0	White Noise Down 2	4	●	Scratch H	4		Scratch H	4		Scratch H	4		Scratch H	4	
18	F#-1	F#0	Pink Noise Down 2	4	●	Scratch L	4		Scratch L	4		Scratch L	4		Scratch L	4	
19	G-1	G0	White Noise Up 2		●	Finger Snap			Finger Snap			Finger Snap			Finger Snap		
20	G#-1	G#0	White Noise Up 1		●	Click Noise			Click Noise			Click Noise			Click Noise		
21	A-1	A0	Pink Noise Up		●	Metronome Click			Metronome Click			Metronome Click			Metronome Click		
22	A#-1	A#0	White Noise Up Release		●	Metronome Bell			Metronome Bell			Metronome Bell			Metronome Bell		
23	B-1	B0	Pink Noise Up Release		●	Seq Click L			Seq Click L			Seq Click L			Seq Click L		
24	C0	C1	Kick T9 4			Seq Click H			Seq Click H			Seq Click H			Seq Click H		
25	C#0	C#1	Snare T8 Rim			Brush Tap			Brush Tap			Brush Tap			Brush Tap		
26	D0	D1	Snare T8 5			Brush Swirl	●		Brush Swirl	●		Brush Swirl	●		Brush Swirl	●	
27	D#0	D#1	Hand Clap			Brush Slap			Brush Slap			Brush Slap			Brush Slap		
28	E0	E1	Snare Garg L			Brush Tap Swirl	●		Brush Tap Swirl	●		Brush Tap Swirl	●		Brush Tap Swirl	●	
29	F0	F1	Snare Roll		●	Snare Roll	●		Snare Roll	●		Snare Roll	●		Snare Roll Acoustic	●	
30	F#0	F#1	Snare T9 3			Castanet			Castanet			Castanet			Castanet		
31	G0	G1	Snare T8 1			Snare Studio 2			Snare Soft Power 1			Snare Soft Power 2			Snare Soft Acoustic		
32	G#0	G#1	Snare T9 5			Sticks			Sticks			Sticks			Sticks		
33	A0	A1	Kick T9 1			Kick Ambience H			Kick Ambient+			Kick Ambient+			Kick Soft Acoustic		
34	A#0	A#1	Snare T9 Gate			Open Rim Shot			Open Rim Power 1			Open Rim Power 2			Rim Acoustic		
35	B0	B1	Kick T9 2			Kick Ambience L			Kick Power Open			Kick Power Open			Kick Mute Acoustic		
36	C1	C2	Kick T9 5			Kick Studio			Kick Power Mute			Kick Power Mute			Kick Open Acoustic		
37	C#1	C#2	Snare T9 Rim			Side Stick			Side Stick Power			Side Stick Power			Stick Acoustic		
38	D1	D2	Snare T9 1			Snare Studio M			Snare Power 1			Snare Power 2			Snare Acoustic		
39	D#1	D#2	Clap T9			Hand Clap			Hand Clap Power			Hand Clap Power			Hand Clap Power		
40	E1	E2	Snare T9 2			Snare Studio L			Snare Rough			Snare Loose			Snare Rough Acoustic		
41	F1	F2	Tom T9 1			Floor Tom L			Tom Power 1			Tom Power 1			Tom Acoustic 1		
42	F#1	F#2	Hi-Hat Closed T8	1		Hi-Hat Closed	1		Hi-Hat Closed Power	1		Hi-Hat Closed Power+Edge	1		Hi-Hat Closed Acoustic	1	
43	G1	G2	Tom T9 2			Floor Tom H			Tom Power 2			Tom Power 2			Tom Acoustic 2		
44	G#1	G#2	Hi-Hat Pedal T9	1		Hi-Hat Pedal	1		Hi-Hat Pedal Power	1		Hi-Hat Pedal Power	1		Hi-Hat Pedal Acoustic	1	
45	A1	A2	Tom T9 3			Low Tom			Tom Power 3			Tom Power 3			Tom Acoustic 3		
46	A#1	A#2	Hi-Hat Open T9	1		Hi-Hat Open	1		Hi-Hat Open Power	1		Hi-Hat Open Power	1		Hi-Hat Open Acoustic	1	
47	B1	B2	Tom T9 4			Mid Tom L			Tom Power 4			Tom Power 4			Tom Acoustic 4		
48	C2	C3	Tom T9 5			Mid Tom H			Tom Power 5			Tom Power 5			Tom Acoustic 5		
49	C#2	C#3	Crash Cymbal T9			Crash Cymbal 1			Crash Cymbal Acoustic 1			Crash Cymbal Acoustic 1			Crash Cymbal Acoustic 1		
50	D2	D3	Tom T9 6			High Tom			Tom Power 6			Tom Power 6			Tom Acoustic 6		
51	D#2	D#3	Ride Cymbal T9			Ride Cymbal 1			Ride Cymbal Acoustic 1			Ride Cymbal Acoustic 1			Ride Cymbal Acoustic 1		
52	E2	E3	Crash Cymbal 4			Chinese Cymbal			China Cymbal Acoustic			China Cymbal Acoustic			China Cymbal Acoustic		
53	F2	F3	Ride Cymbal Cup 2			Ride Cymbal Cup			Ride Cymbal Cup Acoustic			Ride Cymbal Cup Acoustic			Ride Cymbal Cup Acoustic		
54	F#2	F#3	Tambourine Hit			Tambourine			Tambourine			Tambourine			Tambourine		
55	G2	G3	Splash Cymbal 2			Splash Cymbal			Splash Cymbal Acoustic			Splash Cymbal Acoustic			Splash Cymbal Acoustic		
56	G#2	G#3	Cowbell 1			Cowbell			Cowbell			Cowbell			Cowbell		
57	A2	A3	Crash Cymbal 2			Crash Cymbal 2			Crash Cymbal Acoustic 2			Crash Cymbal Acoustic 2			Crash Cymbal Acoustic 2		
58	A#2	A#3	Cowbell T8			Vibraslap			Vibraslap			Vibraslap			Vibraslap		
59	B2	B3	Ride Cymbal 3			Ride Cymbal 2			Ride Cymbal Acoustic 2			Ride Cymbal Acoustic 2			Ride Cymbal Acoustic 2		
60	C3	C4	Bongo H Open One Finger			Bongo H			Bongo H			Bongo H			Bongo H		
61	C#3	C#4	Bongo L Open Three Finger			Bongo L			Bongo L			Bongo L			Bongo L		
62	D3	D4	Conga H Tip			Conga H Mute			Conga H Mute			Conga H Mute			Conga H Mute		
63	D#3	D#4	Conga H Slap Open			Conga H Open			Conga H Open			Conga H Open			Conga H Open		
64	E3	E4	Conga H Open 2			Conga L			Conga L			Conga L			Conga L		
65	F3	F4	Timbale H			Timbale H			Timbale H			Timbale H			Timbale H		
66	F#3	F#4	Timbale L			Timbale L			Timbale L			Timbale L			Timbale L		
67	G3	G4	Agogo H			Agogo H			Agogo H			Agogo H			Agogo H		
68	G#3	G#4	Agogo L			Agogo L			Agogo L			Agogo L			Agogo L		
69	A3	A4	Cabasa			Cabasa			Cabasa			Cabasa			Cabasa		
70	A#3	A#4	Maracas Slur 2			Maracas			Maracas			Maracas			Maracas		
71	B3	B4	Vox Drum L			Samba Whistle H	●		Samba Whistle H	●		Samba Whistle H	●		Samba Whistle H	●	
72	C4	C5	Vox Drum H			Samba Whistle L	●		Samba Whistle L	●		Samba Whistle L	●		Samba Whistle L	●	
73	C#4	C#5	Guiro Short			Guiro Short			Guiro Short			Guiro Short			Guiro Short		
74	D4	D5	Guiro Long		●	Guiro Long	●		Guiro Long	●		Guiro Long	●		Guiro Long	●	
75	D#4	D#5	Claves			Claves			Claves			Claves			Claves		
76	E4	E5	Wood Block H			Wood Block H			Wood Block H			Wood Block H			Wood Block H		
77	F4	F5	Wood Block L			Wood Block L			Wood Block L			Wood Block L			Wood Block L		
78	F#4	F#5	Cuica H			Cuica Mute			Cuica Mute			Cuica Mute			Cuica Mute		
79	G4	G5	Cuica L			Cuica Open			Cuica Open			Cuica Open			Cuica Open		
80	G#4	G#5	Triangle Mute	2		Triangle Mute	2		Triangle Mute	2		Triangle Mute	2		Triangle Mute	2	
81	A4	A5	Triangle Open	2		Triangle Open	2		Triangle Open	2		Triangle Open	2		Triangle Open	2	
82	A#4	A#5	Analog Shaker			Shaker			Shaker			Shaker			Shaker		
83	B4	B5	Jingle Bells			Jingle Bells			Jingle Bells			Jingle Bells			Jingle Bells		
84	C5	C6	Wind Chime			Bell Tree			Wind Chime			Wind Chime			Wind Chime		
85	C#5	C#6	Snare Break Roll														
86	D5	D6	Noise Burst														
87	D#5	D#6	Vox Bell														
88	E5	E6	Snare R&B 1														
89	F5	F6	Vox Alk														
90	F#5	F#6	Udu High														
91	G5	G6	Filter Kick														

Same as Standard Kit 1  
No Sound

\*1 Alternate Group: Playing any instrument within a numbered group will immediately stop the sound of any other instrument in the same group of the same number.  
\*2 Key Off: Keys marked "●" stop sounding the instant they are released.

### DGX-670 Data List

Drum/Key Assignment List / Liste der Tastenzuordnungen der Schlaginstrumente / Liste des affectations d'instrument de batterie/touche de clavier / Lista de asignación de teclas/batería

Voice Name			RockKit			RealDrumKit			SFX Kit1			SFX Kit2			NoisesKit		
MSB-LSB-PC# (1-128)			127-0-91			127-0-92			126-0-1			126-0-2			126-0-9		
Drum Tutor			○			○											
Note#	MIDI Note	Keyboard Note	Full Name	Alt Grp (*1)	Key Off (*2)	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off
13	C#-1	C#0	Surdo Mute	3		Surdo Mute	3										
14	D-1	D0	Surdo Open	3		Surdo Open	3										
15	D#-1	D#0	Hi Q			Hi Q											
16	E-1	E0	Whip Slap			Whip Slap											
17	F-1	F0	Scratch H	4		Scratch H	4										
18	F#-1	F#0	Scratch L	4		Scratch L	4										
19	G-1	G0	Finger Snap			Finger Snap											
20	G#-1	G#0	Click Noise			Click Noise											
21	A-1	A0	Metronome Click			Metronome Click											
22	A#-1	A#0	Metronome Bell			Metronome Bell											
23	B-1	B0	Seq Click L			Seq Click L											
24	C0	C1	Seq Click H			Seq Click H											
25	C#0	C#1	Brush Tap			Brush Tap											
26	D0	D1	Brush Swirl		●	Brush Tap Swirl		●									
27	D#0	D#1	Brush Slap			Brush Slap											
28	E0	E1	Brush Tap Swirl		●	Brush Tap Swirl		●									
29	F0	F1	Snare Roll Rock		●	Snare Roll Rock		●									
30	F#0	F#1	Castanet			Castanet											
31	G0	G1	Snare Soft Rock			Snare Tight											
32	G#0	G#1	Sticks			Sticks											
33	A0	A1	Kick Soft Rock			Kick Genuine											
34	A#0	A#1	Rim Rock			Rim Real											
35	B0	B1	Kick Rock Heavy			Kick Real 1											
36	C1	C2	Kick Rock			Kick Real 2			Cutting Noise 1	●	Phone Call	●	White Noise	●			
37	C#1	C#2	Stick Rock			Stick Real			Cutting Noise 2	●	Door Squeak	●	Pink Noise	●			
38	D1	D2	Snare Rock			Snare Real 1					Door Slam	●	White Noise Down 1	●			
39	D#1	D#2	Hand Clap Power			Clap Power			String Slap	●	Scratch Cut	●	Pink Noise Down 1	●			
40	E1	E2	Snare Dry Rock			Snare Real 2					Scratch Split	●	White Noise Down 2	●			
41	F1	F2	Tom Rock 1			Tom Real 1					Wind Chime	●	Pink Noise Down 2	●			
42	F#1	F#2	Hi-Hat Closed Rock	1		Hi-Hat Closed Real	1				Telephone Ring	●	White Noise Up 2	●			
43	G1	G2	Tom Rock 2			Tom Real 2							White Noise Up 1	●			
44	G#1	G#2	Hi-Hat Pedal Rock	1		Hi-Hat Pedal Real	1						Pink Noise Up	●			
45	A1	A2	Tom Rock 3			Tom Real 3							White Noise Up Release	●			
46	A#1	A#2	Hi-Hat Open Rock	1		Hi-Hat Open Real	1						Pink Noise Up Release	●			
47	B1	B2	Tom Rock 4			Tom Real 4							White Noise Up LFO	●			
48	C2	C3	Tom Rock 5			Tom Real 5							Pink Noise Up LFO	●			
49	C#2	C#3	Crash Cymbal Acoustic 1			Crash Cymbal Real 1											
50	D2	D3	Tom Rock 6			Tom Real 6											
51	D#2	D#3	Ride Cymbal Acoustic 1			Ride Cymbal Real 1											
52	E2	E3	China Cymbal Acoustic			China Cymbal Real			Flute Key Click	●	Car Engine Ignition	●					
53	F2	F3	Ride Cymbal Cup Acoustic			Ride Cymbal Cup Real					Car Tires Squeal	●					
54	F#2	F#3	Tambourine			Tambourine					Car Passing	●					
55	G2	G3	Splash Cymbal Acoustic			Splash Cymbal Real					Car Crash	●					
56	G#2	G#3	Cowbell			Cowbell					Siren	●					
57	A2	A3	Crash Cymbal Acoustic 2			Crash Cymbal Real 2					Train	●					
58	A#2	A#3	Vibraslap			Vibraslap					Jet Plane	●					
59	B2	B3	Ride Cymbal Acoustic 2			Ride Cymbal Real 2					Starship	●					
60	C3	C4	Bongo H			Bongo H					Burst	●					
61	C#3	C#4	Bongo L			Bongo L					Roller Coaster	●					
62	D3	D4	Conga H Mute			Conga H Mute					Submarine	●					
63	D#3	D#4	Conga H Open			Conga H Open											
64	E3	E4	Conga L			Conga L											
65	F3	F4	Timbale H			Timbale H											
66	F#3	F#4	Timbale L			Timbale L											
67	G3	G4	Agogo H			Agogo H											
68	G#3	G#4	Agogo L			Agogo L			Shower	●	Laugh	●					
69	A3	A4	Cabasa			Cabasa			Thunder	●	Scream	●					
70	A#3	A#4	Maracas			Maracas			Wind	●	Punch	●					
71	B3	B4	Samba Whistle H		●	Samba Whistle H		●	Stream	●	Heart Beat	●					
72	C4	C5	Samba Whistle L		●	Samba Whistle L		●	Bubble	●	Foot Steps	●					
73	C#4	C#5	Guiro Short			Guiro Short			Feed	●							
74	D4	D5	Guiro Long		●	Guiro Long		●									
75	D#4	D#5	Claves			Claves											
76	E4	E5	Wood Block H			Wood Block H											
77	F4	F5	Wood Block L			Wood Block L											
78	F#4	F#5	Cuica Mute			Cuica Mute											
79	G4	G5	Cuica Open			Cuica Open											
80	G#4	G#5	Triangle Mute	2		Triangle Mute	2										
81	A4	A5	Triangle Open	2		Triangle Open	2										
82	A#4	A#5	Shaker			Shaker											
83	B4	B5	Jingle Bells			Jingle Bells											
84	C5	C6	Wind Chime			Wind Chime			Dog	●	Machine Gun	●					
85	C#5	C#6							Horse	●	Laser Gun	●					
86	D5	D6							Bird Tweet	●	Explosion	●					
87	D#5	D#6									Firework	●					
88	E5	E6															
89	F5	F6															
90	F#5	F#6							Ghost	●							
91	G5	G6							Maou	●							

Same as Standard Kit 1  
No Sound

\*1 Alternate Group: Playing any instrument within a numbered group will immediately stop the sound of any other instrument in the same group of the same number.  
\*2 Key Off: Keys marked "●" stop sounding the instant they are released.

DGX-670 Data List

Voice Name			ArabicKit			CubanKit			PopLatinKit 1			TurkishKit		
MSB-LSB-PC# (1-128)			126-0-36			126-0-41			126-0-44			126-0-68		
Drum Tutor														
Note#	MIDI Note	Keyboard Note	Full Name	Alt Grp (*1)	Key Off (*2)	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off	Full Name	Alt Grp	Key Off
13	C#-1	C#0							Cajon Low			Asma Davul Left Side		
14	D-1	D0							Cajon Slap			Asma Davul Right Side		
15	D#-1	D#0							Cajon Tip			Asma Davul Side Body		
16	E-1	E0							Claves High			Asma Davul Both Sides		
17	F-1	F0							Claves Low			Koltuk Davul Flam		
18	F#-1	F#0							Hand Clap			Koltuk Davul Teke		
19	G-1	G0										Koltuk Davul Tek		
20	G#-1	G#0							Finger Snap			Koltuk Davul Dum		
21	A-1	A0							Castanet			Bendir Teke Flam		
22	A#-1	A#0				Conga H Tip			Conga H Tip			Bendir Teke Dead		
23	B-1	B0				Conga H Heel			Conga H Heel			Bendir Tek Dead		
24	C0	C1	Nakarazan Dom			Conga H Open			Conga H Open			Bendir Teke		
25	C#0	C#1	Cabasa			Conga H Mute			Conga H Mute			Bendir Tek		
26	D0	D1	Nakarazan Edge			Conga H Slap Open			Conga H Slap Open			Bendir Slap	2	
27	D#0	D#1	Hager Dom			Conga H Slap			Conga H Slap			Bendir Dum	2	
28	E0	E1	Hager Edge			Conga H Slap Mute			Conga H Slap Mute			Zil Right Close	3	
29	F0	F1	Bongo H			Conga L Tip			Conga L Tip			Zil Right Open	3	
30	F#0	F#1	Bongo L			Conga L Heel			Conga L Heel			Zil Left Close	4	
31	G0	G1	Conga H Mute			Conga L Open			Conga L Open			Zil Left Open	4	
32	G#0	G#1	Conga H Open			Conga L Mute			Conga L Mute			Tef Teke Flam	5	
33	A0	A1	Conga L			Conga L Slap Open			Conga L Slap Open			Tef Tek Mute	5	
34	A#0	A#1	Zagrouda H			Conga L Slap			Conga L Slap			Tef Teke Damped		
35	B0	B1	Zagrouda L		●	Conga L Slide		●	Conga L Slide		●	Tef Tek Mute Medium		
36	C1	C2	Kick Soft			Bongo H Open One Finger			Bongo H Open One Finger			Tef Dum Mute		
37	C#1	C#2	Side Stick			Bongo H Open Three Finger			Bongo H Open Three Finger			Tef Cymbal	9	
38	D1	D2	Snare Soft			Bongo H Rim			Bongo H Rim			Tef Cymbal Mute	9	
39	D#1	D#2	Arabic Hand Clap			Bongo H Tip			Bongo H Tip			Tef Tremolo		●
40	E1	E2	Snare Drum			Bongo H Heel			Bongo H Heel			Tef Shake 1		
41	F1	F2	Floor Tom L			Bongo H Slap			Bongo H Slap			Tef Shake 2		
42	F#1	F#2	Hi-Hat Closed	1		Bongo L Open One Finger			Bongo L Open One Finger			Tef Tek Flam		
43	G1	G2	Floor Tom H			Bongo L Open Three Finger			Bongo L Open Three Finger			Tef Full Open		
44	G#1	G#2	Hi-Hat Pedal	1		Bongo L Rim			Bongo L Rim			Tef Teke Open Short		
45	A1	A2	Low Tom			Bongo L Tip			Bongo L Tip			Tef Tek Open Short		
46	A#1	A#2	Hi-Hat Open	1		Bongo L Heel			Bongo L Heel			Tef Tek Open		
47	B1	B2	Mid Tom L			Bongo L Slap			Bongo L Slap			Tef Dum Open		
48	C2	C3	Mid Tom H			Timbale L			Timbale L			Hollo Finger Dead		
49	C#2	C#3	Crash Cymbal 1									Hollo Slap		
50	D2	D3	High Tom									Hollo Dum		
51	D#2	D#3	Ride Cymbal 1									Kasik	1	
52	E2	E3	Crash Cymbal 2									Kasik Flam	1	
53	F2	F3	Duhulla Dom			Paila L			Paila L			Bass Darbuka Tek Dead		
54	F#2	F#3	Tambourine			Timbale H			Timbale H			Bass Darbuka Tek Flam		
55	G2	G3	Duhulla Tak									Bass Darbuka Teke		
56	G#2	G#3	Cowbell									Bass Darbuka Teke Other Finger		
57	A2	A3	Duhulla Sak									Bass Darbuka Teke Index Finger		
58	A#2	A#3	Claves									Bass Darbuka Tek		
59	B2	B3	Doff Dom			Paila H			Paila H			Bass Darbuka Slap		
60	C3	C4	Katam Dom			Cowbell Top			Cowbell Top			Bass Darbuka Slap Medium	7	
61	C#3	C#4	Katam Tak						Cowbell 1			Bass Darbuka Dum	7	
62	D3	D4	Katam Sak						Cowbell 2			Darbuka Roll Close	6	●
63	D#3	D#4	Katam Tak						Cowbell 3			Darbuka Roll Open	6	●
64	E3	E4	Doff Tak			Guiro Short			Guiro Short			Darbuka Teke Damped Flam		
65	F3	F4	Tabla Dom			Guiro Long		●	Guiro Long		●	Darbuka Tek Dead		
66	F#3	F#4	Tabla Tak 1						Metal Guiro Short			Darbuka Tek Damped		
67	G3	G4	Tabla Tik						Metal Guiro Long		●	Darbuka Teke Open Flam		
68	G#3	G#4	Tabla Tak 2			Tambourine			Tambourine			Darbuka Teke Open		
69	A3	A4	Tabla Sak						Tambourim Open			Darbuka Teke Other Finger 1		
70	A#3	A#4	Tabla Roll Edge		●				Tambourim Mute			Darbuka Teke Index Finger 1		
71	B3	B4	Tabla Flam						Tambourim Tip			Darbuka Tek 1		
72	C4	C5	Sagat 1			Maracas			Maracas			Darbuka Teke Other Finger 2		
73	C#4	C#5	Tabel Dom			Shaker			Shaker			Darbuka Teke Index Finger 2		
74	D4	D5	Sagat 3			Cabasa			Cabasa			Darbuka Tek 2		
75	D#4	D#5	Tabel Tak						Cuica Mute			Darbuka Slap Medium		
76	E4	E5	Sagat 2						Cuica Open			Darbuka Slap	8	
77	F4	F5	Riq Dom						Cowbell High 1			Darbuka Dum	8	
78	F#4	F#5	Riq Tak 2						Cowbell High 2			Bongo Tek Roll		●
79	G4	G5	Riq Finger 1						Shekere			Bongo Flam		
80	G#4	G#5	Riq Tak 1						Shekere Tone			Bongo Tek Flam		
81	A4	A5	Riq Finger 2						Triangle Mute	1		Bongo Tek		
82	A#4	A#5	Riq Brass Tremolo		●				Triangle Open	1		Bongo Slap		
83	B4	B5	Riq Sak									Bongo Flam Hi		
84	C5	C6	Riq Tik						Wind Chime			Bongo Dum		
85	C#5	C#6												
86	D5	D6												
87	D#5	D#6												
88	E5	E6												
89	F5	F6												
90	F#5	F#6												
91	G5	G6												

Same as Standard Kit 1  
No Sound

\*1 Alternate Group: Playing any instrument within a numbered group will immediately stop the sound of any other instrument in the same group of the same number.  
\*2 Key Off: Keys marked "●" stop sounding the instant they are released.

DGX-670 Data List

# Song List / Liste der Song / Liste des morceaux / Lista de canciones

## 50 Popular

Category	Title	Composer	Lyricist	Lyric Data
Let's Play	Ave Maria	Franz Schubert	-	-
	Deck The Hall	Traditional	-	-
	Down By The Riverside	Traditional	-	-
	Petite Suite, 1. En Bateau	Claude Debussy	-	-
	Home, Sweet Home	H. R. Bishop	-	-
	If You're Happy And You Know It	Traditional	-	-
	Jeux d'enfants Op.22, 3. La Poupee	Georges Bizet	-	-
	Little Brown Jug	Traditional	-	-
	Londonderry Air	Traditional	-	-
	Melody In F	Anton Rubinstein	-	-
	O Christmas Tree	Traditional	-	-
	Red River Valley	Traditional	-	-
	Serenade	Franz Joseph Haydn	-	-
	The Last Rose Of Summer	Traditional	-	-
	The Muffin Man	Traditional	-	-
	The Yellow Rose Of Texas	Traditional	-	-
	Three Blind Mice	Traditional	-	-
	Turkey In The Straw	Traditional	-	-
	Waltz Op.39-15	Johannes Brahms	-	-
	Waltz Op.18	Frederic Chopin	-	-
We Wish You A Merry Christmas	Traditional	-	-	
When The Saints Go Marching In	Traditional	-	-	
Sing-a-long	Auld Lang Syne	Traditional	Traditional	○
	Aura Lee	Traditional	Traditional	○
	Battle Hymn Of The Republic	Traditional	Julia Ward Howe	○
	Camptown Races	Stephen Foster	Stephen Foster	○
	Danny Boy	Traditional	Traditional	○
	Dixie	Daniel Decatur Emmett	Daniel Decatur Emmett	○
	Frere Jacques	Traditional	Traditional	○
	Greensleeves	Traditional	Traditional	○
	Happy Birthday To You	Traditional	Traditional	○
	I've Been Working On The Railroad	Traditional	Traditional	○
	Jingle Bells	J. S. Pierpont	J. S. Pierpont	○
	Joy To The World	Traditional	Traditional	○
	London Bridge	Traditional	Traditional	○
	Mary Had A Little Lamb	Traditional	Traditional	○
	Oh, Susanna	Stephen Foster	Stephen Foster	○
	Old MacDonald Had A Farm	Traditional	Traditional	○
	Polly Wolly Doodle	Traditional	Traditional	○
	Scarborough Fair	Traditional	Traditional	○
	She'll Be Comin' 'Round The Mountain	Traditional	Traditional	○
	Silent Night	Franz Gruber	Joseph Mohr	○
Whiskey In The Jar	Traditional	Traditional	○	
Yankee Doodle	Traditional	Traditional	○	
Follow Lights	Amazing Grace	Traditional	Traditional	○
	Beautiful Dreamer	S. C. Foster	-	-
	Grandfather's Clock	H. C. Work	-	-
	On Top Of Old Smoky	Traditional	-	-
	Prelude in C Minor	Frederic Chopin	-	-
	Prelude in E Minor	Frederic Chopin	-	-

○=Yes

## 50 Classics

Category	Song Name	Composer
Arrangements	Canon D dur	J. Pachelbel
	Air On the G Strings	J. S. Bach
	Jesus, Joy of Man's Desiring	J. S. Bach
	Twinkle, Twinkle, Little Star	Traditional
	Piano Sonate op.31-2 "Tempest" 3rd mov.	L. v. Beethoven
	Ode to Joy	L. v. Beethoven
	Wiegenlied op.98-2	F. P. Schubert
	Grande Valse Brillante	F. F. Chopin
	Polonaise op.53 "Héroïque"	F. F. Chopin
	La Campanella	F. Liszt
	Salut d'amour op.12	E. Elgar
	From the New World	A. Dvořák
	Sicilienne	G. U. Fauré
	Clair de lune	C. A. Debussy
Jupiter [The Planets]	G. Holst	
Duets	Menuett [Eine kleine Nachtmusik K.525]	W. A. Mozart
	Menuett G dur	L. v. Beethoven
	Marcia alla Turca	L. v. Beethoven
	Piano Concerto No.1 op.11 2nd mov.	F. F. Chopin
	The Nutcracker Medley	P. I. Tchaikovsky
Original Compositions	Prelude [Wohltemperierte Klavier I No.1]	J. S. Bach
	Menuett G dur BWV Anh.114	J. S. Bach
	Piano Sonate No.15 K.545 1st mov.	W. A. Mozart
	Turkish March	W. A. Mozart
	Piano Sonate op.13 "Pathétique" 2nd mov.	L. v. Beethoven
	Für Elise	L. v. Beethoven
	Piano Sonate op.27-2 "Mondschein" 1st mov.	L. v. Beethoven
	Impromptu op.90-2	F. P. Schubert
	Frühlingslied op.62-6	J. L. F. Mendelssohn
	Fantaisie-Impromptu	F. F. Chopin
	Etude op.10-3 "Chanson de l'adieu"	F. F. Chopin
	Etude op.10-12 "Revolutionary"	F. F. Chopin
	Valse op.64-1 "Petit chien"	F. F. Chopin
	Nocturne op.9-2	F. F. Chopin
	Nocturne KK4a-16/BI 49 [Posth.]	F. F. Chopin
	Träumerei	R. Schumann
	Barcarolle	P. I. Tchaikovsky
	La prière d'une Vierge	T. Badarzewska
	Liebesträume No.3	F. Liszt
	Blumenlied	G. Lange
	Humoresque	A. Dvořák
	Arietta	E. H. Grieg
	Tango [España]	I. Albéniz
	The Entertainer	S. Joplin
	Maple Leaf Rag	S. Joplin
	La Fille aux Cheveux de Lin	C. A. Debussy
	Arabesque No.1	C. A. Debussy
	Cakewalk	C. A. Debussy
	Je te veux	E. Satie
	Gymnopédies No.1	E. Satie

# Style List / Liste der Styles / Liste des styles / Lista de estilos

Category	Style Name	Unison	Adaptive
Pop & Rock	ContempGtrPop	-	-
	90sGuitarPop	-	-
	80sAmericanPop	-	-
	80sBoyBand	-	-
	80sPowerRock	Unison	-
	8BeatModern	-	-
	Live8Beat	-	-
	60sPianoPop	-	Adaptive
	60sGuitarPop	-	-
	60sPopRock	-	-
	BritRockPop	Unison	-
	StandardRock	Unison	-
	FunkPopRock	Unison	-
	AcousticRock	-	-
	BritPopSwing	-	-
	VintageGtrPop	Unison	-
	60sVintageRock	Unison	-
	60s8Beat	-	-
	70s8Beat	-	Adaptive
	BubblegumPop	Unison	Adaptive
	WestCoastPop	-	-
	ChartGuitarPop	-	-
	JazzPop	Unison	-
SoftRock	-	-	
Ballad	ModernPopBld	-	-
	90sRockBallad	Unison	-
	90sCoolBallad	Unison	-
	R&BSoulBallad	-	-
	NewR&BBallad	-	-
	Easy8Beat	-	-
	70sPianoHit	-	-
	70sGlamPiano	Unison	Adaptive
	70sPopDuo	-	Adaptive
	60sBigHit	-	-
	ClassicPianoBld	-	Adaptive
	StandardPnoBld	-	-
	80sEPBallad	-	-
	EPBallad	-	-
	PopGuitarBallad	-	Adaptive
	8BeatBallad1	-	-
	8BeatBallad2	-	Adaptive
	PopBallad	-	Adaptive
	PowerBallad	-	-
	AcousticGtrBld	-	-
	6-8BalladRock	-	-
	6-8SlowRock	Unison	-
	6-8Orchestral	-	-
	6-8Modern	-	Adaptive
	12-8Ballad	-	-
	EasyAcousticBld	-	-
	Modern16BitBld	-	-
	16BeatBallad	-	Adaptive
	PianoBallad	-	Adaptive
	OrganBallad	-	-
	LoveSong	-	Adaptive
	PopWaltz	Unison	-
	GuitarSerenade	-	-
Chillout	-	-	
Dance & R&B	Electronica	Unison	Adaptive
	GlobalDJ's	-	-
	Ibiza2010	-	Adaptive
	EuroTrance	Unison	Adaptive
	DreamDance	-	-
	70sDisco1	-	-
	70sDisco2	Unison	-
	DiscoPhilly	-	-
	MovieDisco	-	Adaptive
	80sDisco	-	-
	ClubHouse	-	-
	RetroPop	-	-
	ClassicHipHop	-	-
	NewR&B	-	-
	ChartPop	-	Adaptive
	KoolShuffle	-	-
	SaturdayNight	-	-
	DiscoFoxRock	Unison	Adaptive
	DiscoHouse	-	-

Category	Style Name	Unison	Adaptive
Dance & R&B	6-8Trance	-	Adaptive
	FranklySoul	Unison	-
	FunkyShuffle	-	-
	KoolFunk	-	-
	WorshipSlow	-	-
	WorshipMedium	-	-
	DetroitPop1	-	-
	DetroitPop2	Unison	Adaptive
	MotorCity	-	-
	Soul	-	Adaptive
	LovelyShuffle	-	-
	Twist	-	Adaptive
	60sRock&Roll	-	-
	Rock&Roll	-	Adaptive
	PianoBoogie	-	Adaptive
Country & Blues	EasyCountryPop	-	-
	ModernBluegrass	-	-
	70sChartCntry	Unison	-
	70sCountryPop	Unison	-
	70sCountrySwing	-	-
	NewCountry	Unison	-
	EasyCountry	-	-
	ModCountryBld	-	-
	CountryPop	-	-
	CountryHits	-	Adaptive
	Bluegrass	Unison	-
	Hoedown	-	Adaptive
	FolkPop	-	Adaptive
	Country2-4	-	-
	CountryShuffle	Unison	-
	CountryPopBld	-	-
	SlowCountryPop	-	-
	CntrySing-along	-	-
CountryWaltz	Unison	-	
Standards & Jazz	6-8Soul	-	-
	TheBlues	-	-
	BluesRock	-	-
	SlowBlues	-	-
	GospelSisters	-	-
	GospelSwing	-	Adaptive
	AcousticJazz	Unison	-
	InstrumentalJazz	Unison	-
	JazzGuitarClub	-	-
	FastJazz	-	-
	SlowJazzBallad	-	-
	ModernBigBand	Unison	-
	ModBigBandShfl	Unison	-
	ClassicBigBand	Unison	-
	JazzClub	-	Adaptive
	Bebop	-	-
	OrchBigBand1	-	-
	OrchBigBand2	Unison	-
OrchSwing1	-	-	
OrchSwing2	-	-	
MORSwing	-	Adaptive	
BigBandFast1	-	Adaptive	
BigBandFast2	-	-	
40sBigBand	-	-	
EasySwing	-	Adaptive	
JumpJive	-	-	
CoolJazzBallad	-	-	
CoolJazzWaltz	-	-	
JazzWaltzFast	-	-	
JazzWaltzSlow	-	-	
EasyWaltz	-	-	
SaloonPiano	-	-	
Dixieland1	-	-	
Dixieland2	-	-	
Ragtime	-	-	
Charleston	-	Adaptive	
OrganGroove	Unison	Adaptive	
MidnightSwing	-	-	
Five-Four	-	-	
Entertainment	Sci-fiMarch	Unison	-
	TapDanceSwing	-	-
	BroadwayBallad	-	-
	CartoonBallad	-	-

Category	Style Name	Unison	Adaptive	
Entertainment	WildWest	-	Adaptive	
	SecretService	-	-	
	70sTVTheme	Unison	-	
	MovieSwing	-	-	
	MovieBallad	-	Adaptive	
	ModBroadwyBld	-	-	
	Showtune	-	-	
	PubPiano	-	-	
	Tijuana	-	-	
	ChristmasSwing	-	-	
	ChristmasWaltz	-	-	
	BaroqueAir	-	-	
	OrchestralMarch	Unison	Adaptive	
	OrchestraBolero	-	Adaptive	
	Moonlight6-8	-	-	
	9-8Waltz	-	-	
	MallorcaParty	Unison	Adaptive	
	SchlagerFox	-	Adaptive	
	SchlagerShuffle	-	-	
	Schlager6-8	-	Adaptive	
	SchlagerBeat	-	Adaptive	
	AlpBallad	-	Adaptive	
	ScandSlowRock	-	Adaptive	
	PolkaPop	-	-	
	Swingfox	-	-	
	Jive	-	-	
	VienneseWaltz	Unison	-	
	EnglishWaltz	-	Adaptive	
	Slowfox	-	Adaptive	
	Foxtrot	Unison	-	
	Quickstep	-	-	
	Tango	Unison	-	
	Pasodoble	-	-	
	Samba	-	-	
	Rumba	-	-	
	ChaChaCha	-	-	
	Beguine	-	-	
	Latin & World	BrazilianBossa	-	-
		CoolBossa	-	-
		BossaSlow	-	-
		SambaFast	-	-
		BrazilianSamba	Unison	-
		BossaNova	Unison	Adaptive
		OrchestralBossa	-	Adaptive
		RumbaBolero	-	-
		Guajira	-	-
		Danzon	-	-
Cumbia		-	-	
Bomba		Unison	-	
Bachata		-	-	
BoleroLento		-	-	
GuitarRumba		-	Adaptive	
Merengue		-	-	
Salsa		-	-	
CubanSon		-	-	
Norteno		-	-	
MariachiWaltz		-	-	
EuroPopMambo		-	-	
LatinDisco		Unison	-	
RockChaCha		Unison	-	
HappyReggae		Unison	-	
RumbalIsland		-	-	
Flamenco		-	-	
PopFlamenco		Unison	-	
PopBossa		-	-	
SpanishPaso		-	-	
Tarantella		-	-	
IrishDance		Unison	-	
IrishHymn		-	-	
Reel		-	-	
OrientalPop		-	-	
Hawaiian		-	-	
FrenchMusette		-	-	
GermanWaltz		Unison	-	
ItalianWaltz		-	-	
OberWalzer		-	-	
OberPolka		-	-	

Category	Style Name	Unison	Adaptive
Latin & World	USMarch	Unison	-
	GermanMarch	-	-
	6-8March	Unison	-
PIANIST	Stride	-	-
	PianoSwing	-	-
	PianoRag	-	-
	PianoBlues1	-	-
	PianoBlues2	-	-
	PianoRock&Roll	-	-
	BoogieWoogie	-	-
	Arpeggio	-	-
	PianoOrchBallad	-	-
	Musical	-	-
	Traditional1	-	-
	Traditional2	-	-
	SlowRock	-	-
	2BeatSwing	-	-
	JazzBallad	-	-
	8Beat	-	-
	8BeatPianoBld	-	-
	4Stroke	-	-
	Nocturne	-	-
	PianoMarch	-	-
	6-8PianoMarch	-	-
	Waltz	-	-
	JazzWaltz	-	-
PianoBossa	-	-	
PianoSamba	-	-	
PianoChaCha	-	-	
PianoBeguine	-	-	
PianoRumba	-	-	
PianoSlowWaltz	-	-	



# Effect Type List / Liste der Effektypen / Liste des types d'effet / Lista de tipos de efecto

## Reverb Block

No.	Category	Type Name	Description	MSB	LSB	Parameter List
1	Reverb	RealLrgHall	Real reverb simulating the acoustics of a large sized hall.	1	32	REAL REVERB
2		RealMedHall	Real reverb simulating the acoustics of a medium sized hall.	1	33	REAL REVERB
3		RealBrtHall	Real reverb simulating the acoustics of a bright sounding hall.	1	34	REAL REVERB
4		BasicHall	Reverb simulating the acoustics of a hall. Standard setting.	1	21	REVERB1
5		LightHall	Reverb simulating the acoustics of a hall. Light setting.	1	22	REVERB1
6		BalladHall	Reverb simulating the acoustics of a hall. For ballad type music.	1	19	REVERB2
7		PianoHall	Reverb simulating the acoustics of a hall. For piano sound.	1	20	REVERB2
8		Hall1	Reverb simulating the acoustics of a hall.	1	0	REVERB1
9		Hall2		1	16	REVERB1
10		Hall3		1	17	REVERB1
11		Hall4		1	18	REVERB1
12		Hall5		1	1	REVERB1
13		VocalHall1	Reverb suitable for vocals.	1	27	REVERB1
14		VocalHall2		1	28	REVERB1
15		PfRecitHall	Reverb simulating the acoustics of a medium sized recital hall. For piano sound.	1	24	REAL PIANO REVERB
16		PfCncertHall	Reverb simulating the acoustics of a large sized hall. For piano sound.	1	4	REAL PIANO REVERB
17		PfCathedral	Reverb simulating the acoustics of a cathedral. For piano sound.	1	5	REAL PIANO REVERB
18		RealRoom	Real reverb simulating the acoustics of a room.	2	32	REAL REVERB
19		RealPwrRoom	Real reverb simulating the acoustics of a room with powerful room reflections.	2	33	REAL REVERB
20		AcousticRoom	Reverb simulating the acoustics of a room. Standard setting.	2	20	REVERB1
21		DrumsRoom	Reverb simulating the acoustics of a room. For drum sounds.	2	21	REVERB1
22		PfChamber	Reverb simulating the acoustics of a chamber. For piano sound.	2	24	REAL PIANO REVERB
23		Stage1	Reverb suitable for a solo instrument.	3	16	REVERB1
24		PianoClub	Reverb simulating the acoustics of a club. For piano sound.	3	24	REAL PIANO REVERB
25		RealLrgPlate	Real reverb simulating a large plate reverb unit.	4	32	REAL REVERB
26		RealMedPlate	Real reverb simulating a medium sized plate reverb unit.	4	33	REAL REVERB
27		RealRtlPlate	Real reverb simulating a plate reverb unit with spring rattle.	4	34	REAL REVERB
28		Plate1	Reverb simulating a plate reverb unit.	4	16	REVERB1
29		PianoPlate	Reverb simulating a plate reverb unit. For piano sound.	4	24	REAL PIANO REVERB
30	Legacy	HallM	Reverb simulating the acoustics of a hall.	1	6	REVERB1
31		HallL		1	7	REVERB1
32		AtmoHall	A unique long reverb with atmosphere.	1	23	REVERB1
33		LargeHall	Reverb simulating the acoustics of a hall.	1	2	REVERB2
34		MediumHall		1	3	REVERB2
35		PercRoom	Reverb simulating the acoustics of a room. For percussion sounds.	2	22	REVERB1
36		Room1	Reverb simulating the acoustics of a room.	2	16	REVERB1
37		Room2		2	17	REVERB1
38		Room3		2	18	REVERB1
39		Room4		2	19	REVERB1
40		Room5		2	0	REVERB1
41		Room6		2	1	REVERB1
42		Room7		2	2	REVERB1
43		RoomS		2	5	REVERB1
44		RoomM		2	6	REVERB1
45		RoomL	2	7	REVERB1	
46		WarmRoom	Reverb simulating the acoustics of a warm room.	2	3	REVERB2
47		WhiteRoom	A unique short reverb with a bit of initial delay.	16	0	REVERB3
48		WoodyRoom	Reverb simulating the acoustics of a wood-built room.	2	4	REVERB2
49		Stage2	Reverb suitable for a solo instrument.	3	17	REVERB1
50		Stage3		3	0	REVERB1
51		Stage4		3	1	REVERB1
52		Plate2	Reverb simulating a plate reverb unit.	4	17	REVERB1
53		Plate3		4	0	REVERB1
54		GM Plate		4	7	REVERB1
55		RichPlate	Reverb simulating a rich plate reverb unit.	4	1	REVERB2
56		Tunnel	Simulates a cylindrical space expanding to left and right.	17	0	REVERB3
57		Canyon	A hypothetical acoustic space which extends without limit.	18	0	REVERB3
58		Basement	A bit of initial delay followed by reverb with a unique resonance.	19	0	REVERB3
59	--	NoEffect	No effect.	0	0	NO EFFECT

## Chorus Block

No.	Category	Type Name	Description	MSB	LSB	Parameter List	
1	Reverb	Hall1	Reverb simulating the acoustics of a hall.	1	0	REVERB1	
2		Hall2		1	16	REVERB1	
3		Hall3		1	17	REVERB1	
4		Hall4		1	18	REVERB1	
5		Hall5		1	1	REVERB1	
6		AcousticRoom	Reverb simulating the acoustics of a room. Standard setting.	2	20	REVERB1	
7		DrumsRoom	Reverb simulating the acoustics of a room. For drum sounds.	2	21	REVERB1	
8		Stage1	Reverb suitable for a solo instrument.	3	16	REVERB1	
9		Plate1	Reverb simulating a plate reverb unit.	4	16	REVERB1	
10	Delay	TempoDelay1	Tempo-synchronized delay.	21	0	TEMPO DELAY	
11		TempoDelay2		21	16	TEMPO DELAY	
12		TempoEcho	Tempo-synchronized echo.	21	8	TEMPO DELAY	
13		TempoCross1	Tempo-synchronized cross delay.	22	0	TEMPO CROSS DELAY	
14		TempoCross2		22	16	TEMPO CROSS DELAY	
15		TempoCross3		22	17	TEMPO CROSS DELAY	
16	TempoCross4	22		18	TEMPO CROSS DELAY		
17	Modulation	Chorus1	Conventional chorus program with rich, warm chorusing.	66	17	CHORUS	
18		Chorus2		66	8	CHORUS	
19		Symphonic1	Adds more stages to the modulation of Celeste.	68	16	SYMPHONIC	
20		Flanger1	Creates a sound similar to that of a jet airplane.	67	8	FLANGER	
21		TempoFlanger	Tempo-synchronized flanger.	107	0	TEMPO FLANGER	
22		Phaser1	Cyclically modulates the phase to add modulation to the sound.	72	0	PHASER1	
23		TempoPhaser1	Tempo-synchronized phaser.	108	0	TEMPO PHASER	
24		EP Phaser1	Cyclically modulates the phase to add modulation to the sound. For electric piano.	72	17	PHASER1	
25		DualRotBrt	Simulates a rotary speaker.	99	16	ROTARY SPEAKER1	
26		DualRotWarm		99	17	ROTARY SPEAKER1	
27		RotarySp1		69	16	ROTARY SPEAKER2	
28		Tremolo1	Rich Tremolo effect with both volume and pitch modulation.	70	16	TREMOLO	
29		EP Tremolo		70	18	TREMOLO	
30		TempoTremolo	Tempo-synchronized rich Tremolo effect with both volume and pitch modulation.	120	0	TEMPO TREMOLO	
31		AutoPan1	Several panning effects that automatically shift the sound position (left, right, front, back).	71	16	AUTO PAN1	
32		TempoAtPan1	Tempo-synchronized auto pan.	121	0	TEMPO AUTO PAN1	
33		Legacy	HallM	Reverb simulating the acoustics of a hall.	1	6	REVERB1
34			HallL		1	7	REVERB1
35			AtmoHall	A unique long reverb with atmosphere.	1	23	REVERB1
36			PercRoom	Reverb simulating the acoustics of a room. For percussion sounds.	2	22	REVERB1
37			Room1	Reverb simulating the acoustics of a room.	2	16	REVERB1
38	Room2		2		17	REVERB1	
39	Room3		2		18	REVERB1	
40	Room4		2		19	REVERB1	
41	Room5		2		0	REVERB1	
42	Room6		2		1	REVERB1	
43	Room7		2		2	REVERB1	
44	RoomS		2		5	REVERB1	
45	RoomM		2		6	REVERB1	
46	RoomL		2	7	REVERB1		
47	Stage2		Reverb suitable for a solo instrument.	3	17	REVERB1	
48	Stage3			3	0	REVERB1	
49	Stage4			3	1	REVERB1	
50	Plate2		Reverb simulating a plate reverb unit.	4	17	REVERB1	
51	Plate3			4	0	REVERB1	
52	GM Plate			4	7	REVERB1	
53	Karaoke1		Echo for karaoke.	20	0	KARAOKE	
54	Karaoke2			20	1	KARAOKE	
55	Karaoke3			20	2	KARAOKE	
56	EarlyRef1		This effect isolates only the early reflection components of the reverb.	9	0	EARLY REFLECTION	
57	EarlyRef2			9	1	EARLY REFLECTION	
58	Chorus3		Conventional chorus program with rich, warm chorusing.	66	16	CHORUS	
59	Chorus4			66	1	CHORUS	
60	Chorus5			65	2	CHORUS	
61	Chorus6			65	0	CHORUS	
62	Chorus7	65		1	CHORUS		
63	Chorus8	65		8	CHORUS		

## Chorus Block

No.	Category	Type Name	Description	MSB	LSB	Parameter List
64	Legacy	ChorusFast	Conventional chorus program with rich, warm chorusing.	65	16	CHORUS
65		ChorusLite		65	17	CHORUS
66		GM Chorus1		65	3	CHORUS
67		GM Chorus2		65	4	CHORUS
68		GM Chorus3		65	5	CHORUS
69		GM Chorus4		65	6	CHORUS
70		FeedBkChorus		65	7	CHORUS
71		Celeste1	A 3-phase LFO adds modulation and spaciousness to the sound.	66	0	CHORUS
72		Celeste2		66	2	CHORUS
73		Symphonic2	Adds more stages to the modulation of Celeste.	68	0	SYMPHONIC
74		EnsDetune1	Chorus effect without modulation, created by adding a slightly pitch-shifted sound.	87	0	ENSEMBLE DETUNE
75		EnsDetune2		87	16	ENSEMBLE DETUNE
76		Flanger2	Creates a sound similar to that of a jet airplane.	67	16	FLANGER
77		Flanger3		67	17	FLANGER
78		Flanger4		67	1	FLANGER
79		Flanger5		67	0	FLANGER
80		GM Flanger		67	7	FLANGER
81		Phaser2	Cyclically modulates the phase to add modulation to the sound.	72	8	PHASER2
82		Phaser3		72	19	PHASER2
83		TempoPhaser2	Tempo-synchronized phaser.	108	16	TEMPO PHASER
84		EP Phaser2	Cyclically modulates the phase to add modulation to the sound. For electric piano.	72	18	PHASER1
85		EP Phaser3		72	16	PHASER1
86		DualRotSp1	Simulates a rotary speaker.	99	0	ROTARY SPEAKER1
87		DualRotSp2		99	1	ROTARY SPEAKER1
88		RotarySp2		71	17	AUTO PAN1
89		RotarySp3		71	18	AUTO PAN1
90		RotarySp4		70	17	TREMOLO
91		RotarySp5		66	18	CHORUS
92		RotarySp6		69	0	ROTARY SPEAKER2
93		RotarySp7		71	22	AUTO PAN1
94		2WayRotarySp		86	0	2WAY ROTARY SPEAKER
95	Tremolo2	Rich Tremolo effect with both volume and pitch modulation.		71	19	AUTO PAN1
96	Tremolo3		70	0	TREMOLO	
97	GtTremolo1		71	20	AUTO PAN1	
98	GtTremolo2		70	19	TREMOLO	
99	VibeRotor	Vibraphone effect.	119	0	VIBE VIBRATE	
100	AutoPan2	Several panning effects that automatically shift the sound position (left, right, front, back).	71	0	AUTO PAN1	
101	AutoPan3		71	1	AUTO PAN2	
102	EP AutoPan		71	21	AUTO PAN1	
103	TempoAtPan2	Tempo-synchronized auto pan.	121	1	TEMPO AUTO PAN2	
104	PitchChange1	Changes the pitch of the input signal.	80	16	PITCH CHANGE1	
105	PitchChange2		80	0	PITCH CHANGE1	
106	PitchChange3		80	1	PITCH CHANGE2	
107	---	NoEffect	No effect.	0	0	NO EFFECT

## Variation/Insertion Block

No.	Category	Type Name	Description	MSB	LSB	Parameter List	
1	Reverb	Hall1	Reverb simulating the acoustics of a hall.	1	0	REVERB1	
2		Hall2		1	16	REVERB1	
3		Hall3		1	17	REVERB1	
4		Hall4		1	18	REVERB1	
5		Hall5		1	1	REVERB1	
6		AcousticRoom	Reverb simulating the acoustics of a room. Standard setting.	2	20	REVERB1	
7		DrumsRoom	Reverb simulating the acoustics of a room. For drum sounds.	2	21	REVERB1	
8		Stage1	Reverb suitable for a solo instrument.	3	16	REVERB1	
9		Plate1	Reverb simulating a plate reverb unit.	4	16	REVERB1	
10	Delay	DelayLCR1	Produces three delayed sounds: L, R and C (center).	5	16	DELAY LCR	
11		DelayLCR2		5	0	DELAY LCR	
12		DelayLR	Produces two delayed sounds: L and R. Two feedback delays are provided.	6	0	DELAY LR	
13		Echo	Two delayed sounds (L and R), and independent feedback delays for L and R.	7	0	ECHO	
14		CrossDelay1	The feedback of the two delayed sounds is crossed.	8	0	CROSS DELAY	
15		CrossDelay2		8	16	CROSS DELAY	
16		TempoDelay1	Tempo-synchronized delay.	21	0	TEMPO DELAY	
17		TempoDelay2	Tempo-synchronized echo.	21	16	TEMPO DELAY	
18		TempoEcho		21	8	TEMPO DELAY	
19		TempoCross1		Tempo-synchronized cross delay.	22	0	TEMPO CROSS DELAY
20		TempoCross2	Tempo-synchronized cross delay.	22	16	TEMPO CROSS DELAY	
21		TempoCross3		22	17	TEMPO CROSS DELAY	
22		TempoCross4		22	18	TEMPO CROSS DELAY	
23	Distortion	MtDistSolo		Multi effector for guitar. Setting for guitar solo.	95	32	MULTI FX
24		MtDistBasic	Multi effector for guitar. Setting for basic distortion.	95	33	MULTI FX	
25		MtOD Chorus	Multi effector for guitar. Setting for overdrive & chorus.	95	34	MULTI FX	
26		MtCrunchWah	Multi effector for guitar. Setting for crunch & wah.	95	35	MULTI FX	
27		MtOldDelay	Multi effector for guitar. Setting for vintage delay.	95	36	MULTI FX	
28		MtVintgEcho	Multi effector for guitar. Setting for vintage echo.	95	37	MULTI FX	
29		SmallStDist	Stereo distortion for guitar. Setting for distortion sound.	96	32	SMALL STEREO DIST	
30		SmallStOD	Stereo distortion for guitar. Setting for overdrive sound.	96	33	SMALL STEREO DIST	
31		SmallStVintg	Stereo distortion for guitar. Setting for vintage sound.	96	34	SMALL STEREO DIST	
32		SmallStHeavy	Stereo distortion for guitar. Setting for heavy sound.	96	35	SMALL STEREO DIST	
33		BCmbClassic	British combo amp simulator. Setting for classic sound.	97	32	BRITISH COMBO	
34		BCmbTopBst	British combo amp simulator. Setting for "TOP BOOST" sound.	97	33	BRITISH COMBO	
35		BCmbCustom	British combo amp simulator. Setting for custom sound.	97	34	BRITISH COMBO	
36		BCmbHeavy	British combo amp simulator. Setting for heavy sound.	97	35	BRITISH COMBO	
37		BLegndBlues	British stack amp simulator. Setting for blues sound.	98	32	BRITISH LEGEND	
38		BLegndHvy1	British stack amp simulator. Setting for heavy sound 1.	98	33	BRITISH LEGEND	
39		BLegndHvy2	British stack amp simulator. Setting for heavy sound 2.	98	34	BRITISH LEGEND	
40		BLegndClean	British stack amp simulator. Setting for clean sound.	98	35	BRITISH LEGEND	
41		BLegndDtCln	British stack amp simulator. Setting for crunch sound.	98	36	BRITISH LEGEND	
42		VDistCrunch	Distortion which simulates the sound of a vintage tube, fuzz effect, etc.	98	18	V DISTORTION	
43		VDistBlues		98	21	V DISTORTION	
44		StAmpSolid	Stereo amp simulator.	75	29	STEREO AMP SIMULATOR	
45				StAmpCrunch	75	30	STEREO AMP SIMULATOR
46				StAmpBlues	75	28	STEREO AMP SIMULATOR
47		VDistHd+Dly	V Distortion Hard and Delay are connected in series.	98	1	V DISTORTION DELAY	
48		EQ & Comp	CompMed	Compressor with medium setting.	83	16	COMPRESSOR
49			CompHeavy	Compressor with heavy setting.	83	17	COMPRESSOR
50	CompMelody		Compressor for the Melody part.	105	16	MULTI BAND COMP	
51	CompBass		Compressor for the Bass part.	105	17	MULTI BAND COMP	
52	EQ Telephone		Equalizer effect that cuts both high and low frequencies, to simulate the sound heard through a telephone receiver.	76	17	3BAND EQ	
53	3BandEQ	A mono EQ with adjustable LOW, MID, and HIGH equalization.	76	0	3BAND EQ		
54	Modulation	Chorus1	Conventional chorus program with rich, warm chorusing.	66	17	CHORUS	
55		Chorus2		66	8	CHORUS	
56		Symphonic1	Adds more stages to the modulation of Celeste.	68	16	SYMPHONIC	
57		Flanger1	Creates a sound similar to that of a jet airplane.	67	8	FLANGER	
58		VFlanger	A simulation of an analog flanger effect. The LFO has a random setting.	104	0	V FLANGER	
59		TempoFlanger	Tempo-synchronized flanger.	107	0	TEMPO FLANGER	
60		Phaser1	Cyclically modulates the phase to add modulation to the sound.	72	0	PHASER1	
61		TempoPhaser1	Tempo-synchronized phaser.	108	0	TEMPO PHASER	
62		EP Phaser1	Cyclically modulates the phase to add modulation to the sound. For electric piano.	72	17	PHASER1	
63		AutoWah1	Cyclically modulates the center frequency of a wah filter.	78	16	AUTO WAH	
64		AtWah+Dist1	Distortion can be applied to the output of Auto Wah.	78	17	AUTO WAH DISTORTION	
65		TempoAutoWah	Tempo-synchronized Auto Wah.	79	0	TEMPO AUTO WAH1	
66	TouchWah1	Changes the center frequency of a wah filter according to the input level.	82	0	TOUCH WAH1		

## Variation/Insertion Block

No.	Category	Type Name	Description	MSB	LSB	Parameter List	
67	Modulation	ToWah+Dist1	Distortion can be applied to the output of Touch Wah.	82	16	TOUCH WAH1	
68		PedalWah	Changes the center frequency of a wah filter according to "Pedal Control" parameter. (See Effect Parameter List.)	122	0	PEDAL WAH1	
69		PWah+Dist	Distortion can be applied to the output of Pedal Wah.	122	1	PEDAL WAH2	
70		DualRotBrt	Simulates a rotary speaker.	99	16	ROTARY SPEAKER1	
71		DualRotWarm		99	17	ROTARY SPEAKER1	
72		RotarySp1		69	16	ROTARY SPEAKER2	
73		Tremolo1		Rich Tremolo effect with both volume and pitch modulation.	70	16	TREMOLO
74		EP Tremolo		70	18	TREMOLO	
75		TempoTremolo	Tempo-synchronized rich Tremolo effect with both volume and pitch modulation.	120	0	TEMPO TREMOLO	
76		AutoPan1	Several panning effects that automatically shift the sound position (left, right, front, back).	71	16	AUTO PAN1	
77		TempoAtPan1	Tempo-synchronized auto pan.	121	0	TEMPO AUTO PAN1	
78		Misc	LoopFX1	Degrades the audio quality of the input signal.	94	16	LO FI
79			LoopFX2		94	17	LO FI
80			Lo-FiDrum1	Degrades the audio quality of the input signal. Ideal for drum sounds.	94	18	LO FI
81	Lo-FiDrum2		94		19	LO FI	
82	Lo-FiDrum3		76		19	3BAND EQ	
83	Lo-FiDrum4		76		20	3BAND EQ	
84	Legacy	HallM	Reverb simulating the acoustics of a hall.	1	6	REVERB1	
85		HallL		1	7	REVERB1	
86		AtmoHall	A unique long reverb with atmosphere.	1	23	REVERB1	
87		PercRoom	Reverb simulating the acoustics of a room. For percussion sounds.	2	22	REVERB1	
88		Room1	Reverb simulating the acoustics of a room.	2	16	REVERB1	
89		Room2		2	17	REVERB1	
90		Room3		2	18	REVERB1	
91		Room4		2	19	REVERB1	
92		Room5		2	0	REVERB1	
93		Room6		2	1	REVERB1	
94		Room7		2	2	REVERB1	
95		RoomS		2	5	REVERB1	
96		RoomM		2	6	REVERB1	
97		RoomL		2	7	REVERB1	
98		WhiteRoom	A unique short reverb with a bit of initial delay.	16	0	REVERB3	
99		Stage2	Reverb suitable for a solo instrument.	3	17	REVERB1	
100		Stage3		3	0	REVERB1	
101		Stage4		3	1	REVERB1	
102		Plate2	Reverb simulating a plate reverb unit.	4	17	REVERB1	
103		Plate3		4	0	REVERB1	
104		GM Plate		4	7	REVERB1	
105		Tunnel	Simulates a cylindrical space expanding to left and right.	17	0	REVERB3	
106		Canyon	A hypothetical acoustic space which extends without limit.	18	0	REVERB3	
107		Basement	A bit of initial delay followed by reverb with a unique resonance.	19	0	REVERB3	
108		Karaoke1	Echo for karaoke.	20	0	KARAOKE	
109		Karaoke2		20	1	KARAOKE	
110		Karaoke3		20	2	KARAOKE	
111		EarlyRef1	This effect isolates only the early reflection components of the reverb.	9	0	EARLY REFLECTION	
112		EarlyRef2		9	1	EARLY REFLECTION	
113		GateReverb1	Simulation of gated reverb.	10	0	GATE REVERB	
114		GateReverb2		10	16	GATE REVERB	
115		ReverseGate	Simulation of gated reverb played back in reverse.	11	0	GATE REVERB	
116		VDistWarm	Distortion which simulates the sound of a vintage tube, fuzz effect, etc.	98	22	V DISTORTION	
117		VDistClisHd		98	23	V DISTORTION	
118	VDistClisSft	98		20	V DISTORTION		
119	VDistMetal	98		24	V DISTORTION		
120	VDistEdgy	98		19	V DISTORTION		
121	VDistSolid	98		25	V DISTORTION		
122	VDistClean1	98		17	V DISTORTION		
123	VDistClean2	98		26	V DISTORTION		
124	VDistTwin	98		16	V DISTORTION		
125	VDistRockbly	103		18	V DIST TEMPO DELAY		
126	VDistJzCln	98		27	V DISTORTION		
127	VDistFusion	103		19	V DIST TEMPO DELAY		
128	VDistHard	98		0	V DISTORTION		
129	VDistSoft	98		2	V DISTORTION		
130	StAmpClean	Stereo amp simulator.		75	27	STEREO AMP SIMULATOR	
131	StAmpHarp		75	31	STEREO AMP SIMULATOR		

## Variation/Insertion Block

No.	Category	Type Name	Description	MSB	LSB	Parameter List
132	Legacy	DistHard1	Hard-edge distortion.	75	16	AMP SIMULATOR1
133		DistHard2		75	22	AMP SIMULATOR1
134		DistSoft1	Soft, warm distortion.	75	17	AMP SIMULATOR1
135		DistSoft2		75	23	AMP SIMULATOR1
136		DistHeavy	Heavy distortion.	73	0	DISTORTION
137		Overdrive	Adds mild distortion to the sound.	74	0	DISTORTION
138		StDistortion	Stereo distortion.	73	8	STEREO DISTORTION
139		StOverdrive	Stereo overdrive.	74	8	STEREO DISTORTION
140		StDistHard	Hard-edge stereo distortion.	75	18	STEREO AMP SIMULATOR
141		StDistSoft	Soft, warm soft distortion.	75	19	STEREO AMP SIMULATOR
142		AmpSim1	A simulation of a guitar amp.	75	0	AMP SIMULATOR1
143		AmpSim2		75	1	AMP SIMULATOR2
144		StAmpSim1	Stereo amp simulator.	75	20	STEREO AMP SIMULATOR
145		StAmpSim2		75	21	STEREO AMP SIMULATOR
146		StAmpSim3		75	8	STEREO AMP SIMULATOR
147		StAmpSim4		75	24	STEREO AMP SIMULATOR
148		StAmpSim5		75	25	STEREO AMP SIMULATOR
149		StAmpSim6		75	26	STEREO AMP SIMULATOR
150		Dist+Delay1	Distortion and Delay are connected in series.	95	16	DISTORTION DELAY
151		Dist+Delay2		95	0	DISTORTION DELAY
152		OD+Delay1	Overdrive and Delay are connected in series.	95	17	DISTORTION DELAY
153		OD+Delay2		95	1	DISTORTION DELAY
154		Cmp+Dst+Dly1	Compressor, Distortion and Delay are connected in series.	96	16	COMP DIST DELAY
155		Cmp+Dst+Dly2		96	0	COMP DIST DELAY
156		Cmp+OD+Dly1	Compressor, Overdrive and Delay are connected in series.	96	17	COMP DIST DELAY
157		Cmp+OD+Dly2		96	1	COMP DIST DELAY
158		VDistS+Dly	V Distortion Soft and Delay are connected in series.	98	3	V DISTORTION DELAY
159		VDistH+TDly1	V Distortion Hard and Tempo Delay are connected in series.	103	0	V DIST TEMPO DELAY
160		VDistH+TDly2		103	17	V DIST TEMPO DELAY
161	VDistS+TDly1	V Distortion Soft and Tempo Delay are connected in series.	103	1	V DIST TEMPO DELAY	
162	VDistS+TDly2		103	16	V DIST TEMPO DELAY	
163	Dst+TmpDelay	Distortion and Tempo Delay are connected in series.	100	0	DIST TEMPO DELAY	
164	OD+TmpDelay	Overdrive and Tempo Delay are connected in series.	100	1	DIST TEMPO DELAY	
165	Comp+Dist1	Since a Compressor is included in the first stage, steady distortion can be produced regardless of changes in input level.	73	16	COMP DISTORTION	
166	Comp+Dist2		73	1	COMP DISTORTION	
167	Cmp+Dst+TDly	Compressor, Distortion and Tempo Delay are connected in series.	101	0	COMP DIST TEMPO DELAY	
168	Cmp+OD+TDly1	Compressor, Overdrive and Tempo Delay are connected in series.	101	1	COMP DIST TEMPO DELAY	
169	Cmp+OD+TDly2		101	16	COMP DIST TEMPO DELAY	
170	Cmp+OD+TDly3		101	17	COMP DIST TEMPO DELAY	
171	Cmp+OD+TDly4		101	18	COMP DIST TEMPO DELAY	
172	Cmp+OD+TDly5		101	19	COMP DIST TEMPO DELAY	
173	Cmp+OD+TDly6		101	20	COMP DIST TEMPO DELAY	
174	MltBndComp	Multi-band compressor that allows you to adjust the compression effect for individual frequency bands.	105	0	MULTI BAND COMP	
175	Compressor	Holds down the output level when a specified input level is exceeded. A sense of attack can also be added to the sound.	83	0	COMPRESSOR	
176	NoiseGate	Gates the input when the input signal falls below a specified level.	84	0	NOISE GATE	
177	EQ Disco	Equalizer effect that boosts both high and low frequencies, as is typical in most disco music.	76	16	3BAND EQ	
178	2BandEQ	A stereo EQ with adjustable LOW and HIGH. Ideal for drum Parts.	77	0	2BAND EQ	
179	St3BandEQ	A stereo EQ with adjustable LOW, MID, and HIGH equalization.	76	18	3BAND EQ	
180	HmEnhance1	Adds new harmonics to the input signal to make the sound stand out.	81	16	HARMONIC ENHANCER	
181	HmEnhance2		81	0	HARMONIC ENHANCER	
182	Isolator	Controls the level of a specified frequency band of the input signal.	115	0	ISOLATOR	
183	Chorus3	Conventional chorus program with rich, warm chorusing.	66	16	CHORUS	
184	Chorus4		66	1	CHORUS	
185	Chorus5		65	2	CHORUS	
186	Chorus6		65	0	CHORUS	
187	Chorus7		65	1	CHORUS	
188	Chorus8		65	8	CHORUS	
189	ChorusFast		65	16	CHORUS	
190	ChorusLite		65	17	CHORUS	
191	GM Chorus1		Conventional chorus program with rich, warm chorusing.	65	3	CHORUS
192	GM Chorus2	65		4	CHORUS	
193	GM Chorus3	65		5	CHORUS	
194	GM Chorus4	65		6	CHORUS	
195	FeedBkChorus	65		7	CHORUS	
196	Celeste1	A 3-phase LFO adds modulation and spaciousness to the sound.	66	0	CHORUS	
197	Celeste2		66	2	CHORUS	

## Variation/Insertion Block

No.	Category	Type Name	Description	MSB	LSB	Parameter List	
198	Legacy	Symphonic2	Adds more stages to the modulation of Celeste.	68	0	SYMPHONIC	
199		EnsDetune1	Chorus effect without modulation, created by adding a slightly pitch-shifted sound.	87	0	ENSEMBLE DETUNE	
200		EnsDetune2		87	16	ENSEMBLE DETUNE	
201		AmbiChorus	Chorus which added early reflection sound.	65	9	AMBIENCE CHORUS	
202		AmbiCeleste	Celeste which added early reflection sound.	66	9	AMBIENCE CHORUS	
203		AmbiSympho	Symphonic which added early reflection sound.	68	9	AMBIENCE SYMPHONIC	
204		Flanger2	Creates a sound similar to that of a jet airplane.	67	16	FLANGER	
205		Flanger3		67	17	FLANGER	
206		Flanger4		67	1	FLANGER	
207		Flanger5		67	0	FLANGER	
208		GM Flanger		67	7	FLANGER	
209		DynFlanger		Dynamically controlled flanger.	110	0	DYNAMIC FLANGER
210		AmbiFlanger	Flanger which added early reflection sound.	67	9	AMBIENCE FLANGER	
211		Phaser2	Cyclically modulates the phase to add modulation to the sound.	72	8	PHASER2	
212		Phaser3		72	19	PHASER2	
213		TempoPhaser2	Tempo-synchronized phaser.	108	16	TEMPO PHASER	
214		EP Phaser2	Cyclically modulates the phase to add modulation to the sound. For electric piano.	72	18	PHASER1	
215		EP Phaser3		72	16	PHASER1	
216		DynPhaser	Dynamically controlled phaser.	111	0	DYNAMIC PHASER	
217		AutoWah2	Cyclically modulates the center frequency of a wah filter.	78	0	AUTO WAH	
218		AtWah+Dist2	Distortion can be applied to the output of Auto Wah.	78	1	AUTO WAH DISTORTION	
219		AtWah+DistHd		78	21	AUTO WAH DISTORTION	
220		AtWah+DistHv		78	23	AUTO WAH DISTORTION	
221		AtWah+DistLt		78	25	AUTO WAH DISTORTION	
222		AtWah+OD1		Overdrive distortion can be applied to the output of Auto Wah.	78	18	AUTO WAH DISTORTION
223		AtWah+OD2			78	2	AUTO WAH DISTORTION
224	AtWah+OD Hd	78	22		AUTO WAH DISTORTION		
225	AtWah+OD Hv	78	24		AUTO WAH DISTORTION		
226	AtWah+OD Lt	78	26		AUTO WAH DISTORTION		
227	T.AtWh+Dst	Tempo-synchronized Auto Wah. Distortion can be applied to the output.	79		1	TEMPO AUTO WAH2	
228	T.AtWh+DstHd		79	21	TEMPO AUTO WAH2		
229	T.AtWh+DstHv		79	23	TEMPO AUTO WAH2		
230	T.AtWh+DstLt		79	25	TEMPO AUTO WAH2		
231	T.AtWah+OD		Tempo-synchronized Auto Wah. Overdrive distortion can be applied to the output.	79	2	TEMPO AUTO WAH2	
232	T.AtWah+ODHd			79	22	TEMPO AUTO WAH2	
233	T.AtWah+ODHv	79		24	TEMPO AUTO WAH2		
234	T.AtWah+ODLt	79		26	TEMPO AUTO WAH2		
235	TouchWah2	Changes the center frequency of a wah filter according to the input level.		82	8	TOUCH WAH2	
236	TouchWah3			82	20	TOUCH WAH2	
237	TcWah+Dist2	Distortion can be applied to the output of Touch Wah.	82	1	TOUCH WAH1		
238	TcWah+DistHd		82	21	TOUCH WAH2		
239	TcWah+DistHv		82	23	TOUCH WAH2		
240	TcWah+DistLt		82	25	TOUCH WAH2		
241	TcWah+OD1		Overdrive distortion can be applied to the output of Touch Wah.	82	17	TOUCH WAH2	
242	TcWah+OD2			82	2	TOUCH WAH2	
243	TcWah+OD Hd	82		22	TOUCH WAH2		
244	TcWah+OD Hv	82		24	TOUCH WAH2		
245	TcWah+OD Lt	82		26	TOUCH WAH2		
246	Wah+Dst+Dly1	Wah, Distortion and Delay are connected in series.		97	16	WAH DISTORTION DELAY	
247	Wah+Dst+Dly2		97	0	WAH DISTORTION DELAY		
248	Wah+Dst+TDly	Wah, Distortion and Tempo Delay are connected in series.	102	0	WAH DIST TEMPO DELAY		
249	Wah+OD+Dly1	Wah, Overdrive and Delay are connected in series.	97	17	WAH DISTORTION DELAY		
250	Wah+OD+Dly2		97	1	WAH DISTORTION DELAY		
251	Wah+OD+TDly1	Wah, Overdrive and Tempo Delay are connected in series.	102	1	WAH DIST TEMPO DELAY		
252	Wah+OD+TDly2		102	16	WAH DIST TEMPO DELAY		
253	ClaviTcWah	Clavinet Touch Wah	82	18	TOUCH WAH2		
254	EP TcWah	EP Touch Wah	82	19	TOUCH WAH2		
255	PWah+DistHd	Distortion can be applied to the output of Pedal Wah.	122	21	PEDAL WAH2		
256	PWah+DistHv		122	23	PEDAL WAH2		
257	PWah+DistLt		122	25	PEDAL WAH2		
258	PWah+OD	Overdrive distortion can be applied to the output of Pedal Wah.	122	2	PEDAL WAH2		
259	PWah+OD Hd		122	22	PEDAL WAH2		
260	PWah+OD Hv		122	24	PEDAL WAH2		
261	PWah+OD Lt		122	26	PEDAL WAH2		

## Variation/Insertion Block

No.	Category	Type Name	Description	MSB	LSB	Parameter List
262	Legacy	DualRotSp1	Simulates a rotary speaker.	99	0	ROTARY SPEAKER1
263		DualRotSp2		99	1	ROTARY SPEAKER1
264		RotarySp2		71	17	AUTO PAN1
265		RotarySp3		71	18	AUTO PAN1
266		RotarySp4		70	17	TREMOLO
267		RotarySp5		66	18	CHORUS
268		RotarySp6		69	0	ROTARY SPEAKER2
269		RotarySp7		71	22	AUTO PAN1
270		2WayRotarySp		86	0	2WAY ROTARY SPEAKER
271		Dist+RotSp		Distortion and rotary speaker connected in series.	69	1
272		Dist+2RotSp	Distortion and 2-way rotary speaker connected in series.	86	1	DIST 2WAY ROTARY SP
273		OD+RotarySp	Overdrive and rotary speaker connected in series.	69	2	DIST ROTARY SPEAKER
274		OD+2RotarySp	Overdrive and 2-way rotary speaker connected in series.	86	2	DIST 2WAY ROTARY SP
275		Amp+RotSp	Amp simulator and rotary speaker connected in series.	69	3	AMP ROTARY SPEAKER
276		Amp+2RotSp	Amp simulator and 2-way rotary speaker connected in series.	86	3	AMP 2WAY ROTARY SP
277		Tremolo2	Rich Tremolo effect with both volume and pitch modulation.	71	19	AUTO PAN1
278		Tremolo3		70	0	TREMOLO
279		GtTremolo1		71	20	AUTO PAN1
280		GtTremolo2		70	19	TREMOLO
281		VibeRotor	Vibraphone effect.	119	0	VIBE VIBRATE
282	AutoPan2	Several panning effects that automatically shift the sound position (left, right, front, back).	71	0	AUTO PAN1	
283	AutoPan3		71	1	AUTO PAN2	
284	EP AutoPan		71	21	AUTO PAN1	
285	TempoAtPan2	Tempo-synchronized auto pan.	121	1	TEMPO AUTO PAN2	
286	PitchChange1	Changes the pitch of the input signal.	80	16	PITCH CHANGE1	
287	PitchChange2		80	0	PITCH CHANGE1	
288	PitchChange3		80	1	PITCH CHANGE2	
289	VoiceCancel	Attenuates the vocal part of a CD or other source.	85	0	VOICE CANCELAR	
290	Ambience	Blurs the stereo positioning of the sound to add spatial width.	88	0	AMBIENCE	
291	TalkingMod	Adds a vowel sound to the input signal.	93	0	TALKING MODULATION	
292	Lo-Fi	Degrades the audio quality of the input signal.	94	0	LO FI	
293	DynFilter	Dynamically controlled filter.	109	0	DYNAMIC FILTER	
294	DynRingMod	Dynamically controlled Ring Modulator.	112	0	DYNAMIC RING MOD	
295	RingMod	An effect that modifies the pitch by applying amplitude modulation to the frequency of the input.	113	0	RING MODULATOR	
296	---	NoEffect	No effect.	0	0	NO EFFECT
297	---	Thru	Bypass without applying an effect.	64	0	THRU



# Effect Parameter List / Liste der Effektparameter / Liste des paramètres d'effets / Lista de parámetros de efectos

- Parameters marked with a ● in the "Control" column can be controlled from an AC1 (assignable controller 1) etc. However, these only affect insertion type effects.
- Parameter 10 Dry/Wet only affects insertion type effects.
- (\*1) Reverb Block
- (\*2) Chorus Block, Variation Block and Insertion1-28 Block

## REVERB

### REAL REVERB

Block: Reverb

No.	Parameter	Display	Min	Max	Table	Control
1	Reverb Time	0.3s – 30.0s	0	69	Table #1	
2	Diffusion	0 – 10	0	10		
3	Initial Delay Time	0.1ms – 200.0ms	0	127	Table #2	
4	High Damp Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
5						
6	High Ratio	0.0 – 1.0	0	10		
7						
8						
9						
10						
11						
12						
13	EQ Low Frequency	22Hz – 1.0kHz	1	34	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 18kHz	28	59	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

### REVERB1

Block: Reverb, Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Reverb Time	0.3s – 30.0s	0	69	Table #1	
2	Diffusion	0 – 10	0	10		
3	Initial Delay Time	0.1ms – 200.0ms (*1) 0.1ms – 99.3ms (*2)	0	127	Table #2	
4	HPF Cutoff Frequency	Thru, 22Hz – 8.0kHz	0	52	Table #3	
5	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11	Reverb Delay Time	0.1ms – 200.0ms (*1) 0.1ms – 99.3ms (*2)	0	127	Table #2	
12	Density	0 – 4	0	4		
13	ER/Reverb Balance	E63>R – E=R – E<R63	1	127		
14	High Damp	0.1 – 1.0	1	10		
15	Feedback Level	-63 – 0 – +63	1	127		
16						

### REVERB2

Block: Reverb

No.	Parameter	Display	Min	Max	Table	Control
1	Reverb Time	0.3s – 30.0s	0	69	Table #1	
2	Diffusion	0 – 10	0	10		
3	Initial Delay Time	0.1ms – 200.0ms	0	127	Table #2	
4	HPF Cutoff Frequency	Thru, 22Hz – 8.0kHz	0	52	Table #3	
5	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
6						
7						
8						
9						
10						
11						
12						
13						
14	High Damp	0.1 – 1.0	1	10		
15						
16						

## REVERB3

Block: Reverb, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Reverb Time	0.3s – 30.0s	0	69	Table #1	
2	Diffusion	0 – 10	0	10		
3	Initial Delay Time	0.1ms – 200.0ms (*1) 0.1ms – 99.3ms (*2)	0	127	Table #2	
4	HPF Cutoff Frequency	Thru, 22Hz – 8.0kHz	0	52	Table #3	
5	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
6	Width	0.5m – 30.2m (*1) 0.5m – 10.2m (*2)	0	104	Table #4	
7	Height	0.5m – 30.2m (*1) 0.5m – 20.2m (*2)	0	104	Table #4	
8	Depth	0.5m – 30.2m	0	104	Table #4	
9	Wall Vary	0 – 30	0	30		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11	Reverb Delay Time	0.1ms – 200.0ms (*1) 0.1ms – 99.3ms (*2)	0	127	Table #2	
12	Density	0 – 4	0	4		
13	ER/Reverb Balance	E63>R – E=R – E<R63	1	127		
14	High Damp	0.1 – 1.0	1	10		
15	Feedback Level	-63 – 0 – +63	1	127		
16						

## REAL PIANO REVERB

Block: Reverb

No.	Parameter	Display	Min	Max	Table	Control
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Note: No parameters

## DELAY

### DELAY LCR

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Lch Delay	0.1ms – 1.6383s	1	16383		
2	Rch Delay	0.1ms – 1.6383s	1	16383		
3	Cch Delay	0.1ms – 1.6383s	1	16383		
4	Feedback Delay Time	0.1ms – 1.6383s	1	16383		
5	Feedback Level	-63 – 0 – +63	1	127		
6	Cch Level	0 – 127	0	127		
7	Feedback High Damp	0.1 – 1.0	1	10		
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11						
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

## DELAY LR

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Lch Delay Time	0.1ms – 1.6383s	1	16383		
2	Rch Delay Time	0.1ms – 1.6383s	1	16383		
3	Feedback Delay 1 Time	0.1ms – 1.6383s	1	16383		
4	Feedback Delay 2 Time	0.1ms – 1.6383s	1	16383		
5	Feedback Level	-63 – 0 – +63	1	127		
6	Feedback High Damp	0.1 – 1.0	1	10		
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11						
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

## ECHO

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Lch Delay 1 Time	0.1ms – 1.4860s	1	14860		
2	Lch Feedback Level	-63 – 0 – +63	1	127		
3	Rch Delay 1 Time	0.1ms – 1.4860s	1	14860		
4	Rch Feedback Level	-63 – 0 – +63	1	127		
5	Feedback High Damp	0.1 – 1.0	1	10		
6	Lch Delay 2 Time	0.1ms – 1.4860s	1	14860		
7	Rch Delay 2 Time	0.1ms – 1.4860s	1	14860		
8	Delay 2 Level	0 – 127	0	127		
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11						
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

## CROSS DELAY

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	L->R Delay Time	0.1ms – 1.4860s	1	14860		
2	R->L Delay Time	0.1ms – 1.4860s	1	14860		
3	Feedback Level	-63 – 0 – +63	1	127		
4	Input Select	L, R, L&R	0	2		
5	Feedback High Damp	0.1 – 1.0	1	10		
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11						
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

## TEMPO DELAY

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Delay Time	32nd/3 – 4thx6	0	19	Table #5	
2	Feedback Level	-63 – 0 – +63	1	127		
3	Feedback High Damp	0.1 – 1.0	1	10		
4	L/R Diffusion	-63ms – 0ms – 63ms	1	127		
5	Lag	-63ms – 0ms – 63ms	1	127		
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11						
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

## TEMPO CROSS DELAY

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Delay Time L>R	32nd/3 – 4thx6	0	19	Table #5	
2	Delay Time R>L	32nd/3 – 4thx6	0	19	Table #5	
3	Feedback Level	-63 – 0 – +63	1	127		
4	Input Select	L, R, L&R	0	2		
5	Feedback High Damp	0.1 – 1.0	1	10		
6	Lag	-63ms – 0ms – 63ms	1	127		
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11						
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

## ER/KARAOKE

### KARAOKE

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Delay Time	0.1ms – 400.0ms	0	127	Table #6	
2	Feedback Level	-63 – 0 – +63	1	127		
3	HPF Cutoff Frequency	Thru, 22Hz – 8.0kHz	0	52	Table #3	
4	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	Density	0 – 3	0	3		
12						
13						
14						
15						
16						

## EARLY REFLECTION

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Type	S-H, L-H, Rdm, Rvs, PIt, Spr	0	5		
2	Room Size	0.1 – 20.0	0	127	Table #7	
3	Diffusion	0 – 10	0	10		
4	Initial Delay Time	0.1ms – 200.0ms	0	127	Table #2	
5	Feedback Level	-63 – 0 – +63	1	127		
6	HPF Cutoff Frequency	Thru, 22Hz – 8.0kHz	0	52	Table #3	
7	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	Liveness	0 – 10	0	10		
12	Density	0 – 3	0	3		
13	High Damp	0.1 – 1.0	1	10		
14						
15						
16						

## GATE REVERB

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Type	TypeA, TypeB	0	1		
2	Room Size	0.1 – 20.0	0	127	Table #7	
3	Diffusion	0 – 10	0	10		
4	Initial Delay Time	0.1ms – 200.0ms	0	127	Table #2	
5	Feedback Level	-63 – 0 – +63	1	127		
6	HPF Cutoff Frequency	Thru, 22Hz – 8.0kHz	0	52	Table #3	
7	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	Liveness	0 – 10	0	10		
12	Density	0 – 3	0	3		
13	High Damp	0.1 – 1.0	1	10		
14						
15						
16						

## CHORUS

### CHORUS

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	
2	LFO Depth	0 – 127	0	127		
3	Feedback Level	-63 – 0 – +63	1	127		
4	Delay Offset	0.0ms – 50.0ms	0	127	Table #9	
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14						
15	Input Mode	Mono, Stereo	0	1		
16						

### SYMPHONIC

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	
2	LFO Depth	0 – 127	0	127		
3	Delay Offset	0.0ms – 50.0ms	0	127	Table #9	
4						
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14						
15						
16						

### ENSEMBLE DETUNE

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Detune	-50cent – 0cent – +50cent	14	114		
2	Lch Initial Delay Time	0.0ms – 50.0ms	0	127	Table #9	
3	Rch Initial Delay Time	0.0ms – 50.0ms	0	127	Table #9	
4						
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
12	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
13	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
14	EQ High Gain	-12dB – 0dB – +12dB	52	76		
15						
16						

### AMBIENCE CHORUS

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	
2	LFO PMod Depth	0 – 127	0	127		
3	Feedback Level	-63 – 0 – +63	1	127		
4	Delay Offset	0.0ms – 50.0ms	0	127	Table #9	
5	LFO AMod Depth	0 – 127	0	127		
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11						
12						
13						
14	Ambience	0 – 127	0	127		
15						
16	Connect Mode	Amb->Cho, Cho->Amb	0	1		

### AMBIENCE SYMPHONIC

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	
2	LFO Depth	0 – 127	0	127		
3	Delay Offset	0.0ms – 50.0ms	0	127	Table #9	
4						
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11						
12						
13						
14	Ambience	0 – 127	0	127		
15						
16	Connect Mode	Amb->Sym, Sym->Amb	0	1		

## FLANGER

### FLANGER

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	
2	LFO Depth	0 – 127	0	127		
3	Feedback Level	-63 – 0 – +63	1	127		
4	Delay Offset	0.0ms – 50.0ms	0	127	Table #9	
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14	LFO Phase Difference	-180deg – 0deg – +180deg (resolution=3deg.)	4	124		
15						
16						

### V FLANGER

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	
2	LFO Depth	0 – 127	0	127		
3	LFO Wave	Triangle, Sine, Random	0	2		
4	Delay Offset	0.09ms – 36.21ms	0	139	Table #11	
5	Feedback Level	-100% – 0% – +100%	0	200		
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14	Modulation Phase	-180deg – 0deg – +180deg	0	16	Table #12	
15	Feedback High Damp	0.1 – 1.0	1	10		
16	Analog Feel	0 – 10	0	10		

### TEMPO FLANGER

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	16th – 4thx16	5	29	Table #5	
2	LFO Depth	0 – 127	0	127		
3	Feedback Level	-63 – 0 – +63	1	127		
4	Delay Offset	0.0ms – 50.0ms	0	127	Table #9	
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14	LFO Phase Difference	-180deg – 0deg – +180deg (resolution=3deg.)	4	124		
15						
16						

## DYNAMIC FLANGER

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Sensitivity	0 – 127	0	127		●
2	Delay Time Offset	0 – 127	0	127		
3	Feedback Level	-63 – 0 – +63	1	127		
4	Attack Time	0.3ms – 227ms	0	127	Table #13	
5	Release Time	2.6ms – 2171.4ms	0	127	Table #14	
6	Release Curve	0 – 127	0	127		
7	Direction	Up, Down	0	1		
8	Dyna Threshold Level	0 – 127	0	127		
9	Dyna Level Offset	0 – 127	0	127		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11						
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

## AMBIENCE FLANGER

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	
2	LFO Depth	0 – 127	0	127		
3	Feedback Level	-63 – 0 – +63	1	127		
4	Delay Offset	0.0ms – 50ms	0	127	Table #9	
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11						
12						
13						
14	LFO Phase Difference	-180deg – 0deg – +180deg (resolution=3deg.)	4	124		
15	Ambience	0 – 127	0	127		
16	Connect Mode	Amb->Flg, Flg->Amb	0	1		

## TEMPO PHASER

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	16th – 4thx16	5	29	Table #5	
2	LFO Depth	0 – 127	0	127		
3	Phase Shift Offset	0 – 127	0	127		
4	Feedback Level	-63 – 0 – +63	1	127		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11	Stage	3 – 11	3	11		
12						
13	LFO Phase Difference	-180deg – 0deg – +180deg (resolution=3deg.)	4	124		
14						
15						
16						

## DYNAMIC PHASER

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Sensitivity	0 – 127	0	127		●
2	Dyna Level Offset	0 – 127	0	127		
3	Feedback Level	-63 – 0 – +63	1	127		
4	Attack Time	0.3ms – 227ms	0	127	Table #13	
5	Release Time	2.6ms – 2171.4ms	0	127	Table #14	
6	Release Curve	0 – 127	0	127		
7	Direction	Up, Down	0	1		
8	Dyna Threshold Level	0 – 127	0	127		
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Stage	4, 5, 6	4	6		
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

## PHASER

### PHASER1

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	
2	LFO Depth	0 – 127	0	127		
3	Phase Shift Offset	0 – 127	0	127		
4	Feedback Level	-63 – 0 – +63	1	127		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11	Stage	4 – 22	4	22		
12	Diffusion	Mono, Stereo	0	1		
13						
14						
15						
16						

### PHASER2

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	
2	LFO Depth	0 – 127	0	127		
3	Phase Shift Offset	0 – 127	0	127		
4	Feedback Level	-63 – 0 – +63	1	127		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11	Stage	3 – 11	3	11		
12						
13	LFO Phase Difference	-180deg – 0deg – +180deg (resolution=3deg.)	4	124		
14						
15						
16						

## DISTORTION/AMP SIMULATOR

### MULTI FX

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Comp Sustain	Off, 0.1 – 10.0	0	100		
2	Wah SW	Off, Wah Pedal, Auto+ Full, Auto+ Mid, Auto+ Light, Auto- Full, Auto- Mid, Auto-Light	0	7		
3	Wah Pedal	0 – 127	0	127		●
4	Dist SW	Off, Overdrive, Distortion1, Distortion2, Clean, Crunch, Hi-Gain, Modern	0	7		
5	Dist Drive	0.0 – 10.0	0	100		
6	Dist EQ	High Boost, Mid Boost, Mid Cut 1, Mid Cut 2, Mid Cut 3, Low Cut 1, Low Cut 2, High Cut, High/Low	0	8		
7	Dist Tone	0.0 – 10.0	0	100		
8	Dist Presence	0.0 – 10.0	0	100		
9	Output	0 – 127	0	127		
10						
11	Speaker Type	Off, Stack, Twin, Tweed, Oldies, Modern, Mean, Soft, Small, Dip1, Dip2, Metal, Light	0	12		
12	LFO Speed	0.100Hz – 9.925Hz	0	127	Table #17	
13	Phaser SW	Off, Standard, Wide, Vibe, Tremolo	0	4		
14	Delay SW	Off, Delay M, Echo1 M, Echo2 M, Chorus M, DI Chorus M, Flanger1 M, Flanger2 M, Flanger3 M, Delay St, Echo1 St, Echo2 St, Chorus St, DI Chorus St, Flanger1 St, Flanger2 St, Flanger3 St	0	16		
15	Delay Ctrl	0 – 127	0	127		
16	Delay Time	0 – 127	0	127		

### SMALL STEREO DIST

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Comp SW	Off, On	0	1		
2	Comp Sustain	0.0 – 10.0	0	100		
3	Comp Level	0.0 – 10.0	0	100		
4	Dist Type	Overdrive, Distortion1, Distortion2, Clean, Crunch, Hi-Gain, Modern	1	7		
5	Dist Drive	0.0 – 10.0	0	100		
6	Dist EQ	High Boost, Mid Boost, Mid Cut 1, Mid Cut 2, Mid Cut 3, Low Cut 1, Low Cut 2, High Cut, High/Low	0	8		
7	Dist Tone	0.0 – 10.0	0	100		
8	Dist Presence	0.0 – 10.0	0	100		
9	Output	0 – 127	0	127		●
10						
11	Speaker Type	Off, Stack, Twin, Tweed, Oldies, Modern, Mean, Soft, Small, Dip1, Dip2, Metal, Light	0	12		
12						
13						
14						
15						
16						

### BRITISH COMBO

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Mode	Bright, Top Boost	0	1		
2	Normal	0.0 – 10.0	0	100		
3	Brilliant	0.0 – 10.0	0	100		
4	Bass	0.0 – 10.0	0	100		
5						
6	Treble	0.0 – 10.0	0	100		
7	Cut	0.0 – 10.0	0	100		
8						
9	Output	0 – 127	0	127		●
10						
11	Speaker Type	Off, BS 4x12, AC 2x12, AC 1x12, AC 4x10, BC 2x12, AM 4x12, YC 4x12, JC 2x12, OC 2x12, OC 1x8	0	10		
12	Speaker Air	0 – 2	0	2		
13	Mic Position	Center, Edge	0	1		
14						
15						
16						

### BRITISH LEGEND

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Sensitivity	High, Low	0	1		
2	Preamp	0.0 – 10.0	0	100		
3						
4	Bass	0.0 – 10.0	0	100		
5	Middle	0.0 – 10.0	0	100		
6	Treble	0.0 – 10.0	0	100		
7	Presence	0.0 – 10.0	0	100		
8	Master Volume	0.0 – 10.0	0	100		
9	Output	0 – 127	0	127		●
10						
11	Speaker Type	Off, BS 4x12, AC 2x12, AC 1x12, AC 4x10, BC 2x12, AM 4x12, YC 4x12, JC 2x12, OC 2x12, OC 1x8	0	10		
12	Speaker Air	0 – 2	0	2		
13	Mic Position	Center, Edge	0	1		
14						
15						
16						

### V DISTORTION

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Overdrive	0% – 100%	0	100		
2	Device	Transistor, Vintage Tube, Dist1, Dist2, Fuzz	0	4		
3	Speaker Type	Flat, Stack, Combo, Twin, Radio, Megaphone	0	5		
4	Presence	0 – 20	0	20		
5	Output Level	0% – 100%	0	100		
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11						
12						
13						
14						
15						
16						

### V DIST TEMPO DELAY

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Overdrive	0% – 100%	0	100		
2	Device	Transistor, Vintage Tube, Dist1, Dist2, Fuzz	0	4		
3	Speaker Type	Flat, Stack, Combo, Twin, Radio, Megaphone	0	5		
4	Presence	0 – 20	0	20		
5	Output Level	0% – 100%	0	100		
6	Delay Time	32nd/3 – 4thx6	0	19	Table #5	
7	Delay Feedback Level	-63 – 0 – +63	1	127		
8	L/R Diffusion	-63ms – 0ms – 63ms	1	127		
9	Lag	-63ms – 0ms – 63ms	1	127		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11	Delay Mix	0 – 127	0	127		
12	Feedback High Damp	0.1 – 1.0	1	10		
13						
14						
15						
16						

### V DISTORTION DELAY

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Overdrive	0% – 100%	0	100		
2	Device	Transistor, Vintage Tube, Dist1, Dist2, Fuzz	0	4		
3	Speaker Type	Flat, Stack, Combo, Twin, Radio, Megaphone	0	5		
4	Presence	0 – 20	0	20		
5	Output Level	0% – 100%	0	100		
6	Lch Delay Time	0.1ms – 1.6383s	1	16383		
7	Rch Delay Time	0.1ms – 1.6383s	1	16383		
8	Delay Feedback Time	0.1ms – 1.6383s	1	16383		
9	Delay Feedback Level	-63 – 0 – +63	1	127		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11	Delay Mix	0 – 127	0	127		
12	Feedback High Damp	0.1 – 1.0	1	10		
13						
14						
15						
16						

### STEREO DISTORTION

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Drive	0 – 127	0	127		●
2	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
3	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
4	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
5	Output Level	0 – 127	0	127		
6						
7	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
8	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
9	EQ Mid Width	0.1 – 12.0	1	120		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Edge (Clip Curve)	0 – 127	0	127		
12						
13						
14						
15						
16						

### STEREO AMP SIMULATOR

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Drive	0 – 127	0	127		●
2	Amp Type	Off, Stack, Combo, Tube	0	3		
3	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
4	Output Level	0 – 127	0	127		
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Edge (Clip Curve)	0 – 127 (mild – sharp)	0	127		
12						
13						
14						
15						
16						

### DISTORTION DELAY

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Lch Delay Time	0.1ms – 1.6383s	1	16383		
2	Rch Delay Time	0.1ms – 1.6383s	1	16383		
3	Delay Feedback Time	0.1ms – 1.6383s	1	16383		
4	Delay Feedback Level	-63 – 0 – +63	1	127		
5	Delay Mix	0 – 127	0	127		
6	Dist Drive	0 – 127	0	127		
7	Dist Output Level	0 – 127	0	127		
8	Dist EQ Low Gain	-12dB – 0dB – +12dB	52	76		
9	Dist EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11						
12						
13						
14						
15						
16						

### AMP SIMULATOR1

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Drive	0 – 127	0	127		●
2	Amp Type	Off, Stack, Combo, Tube	0	3		
3	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
4	Output Level	0 – 127	0	127		
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Edge (Clip Curve)	0 – 127 (mild – sharp)	0	127		
12						
13						
14						
15						
16						

### DIST TEMPO DELAY

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Delay Time	32nd/3 – 4thx6	0	19	Table #5	
2	Delay Feedback Level	-63 – 0 – +63	1	127		
3	Delay Mix	0 – 127	0	127		
4	Dist Drive	0 – 127	0	127		
5	Dist Output Level	0 – 127	0	127		
6	Dist EQ Low Gain	-12dB – 0dB – +12dB	52	76		
7	Dist EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
8	L/R Diffusion	-63ms – 0ms – 63ms	1	127		
9	Lag	-63ms – 0ms – 63ms	1	127		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11						
12						
13						
14						
15						
16						

### AMP SIMULATOR2

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Drive	0 – 127	0	127		●
2	AMP Type	Off, Stack, Combo, Tube, Crunch, Hi-Gain, British	0	6		
3	LPF Cutoff	1.0kHz – 18kHz, Thru	34	60	Table #3	
4	Output Level	0 – 127	0	127		
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11						
12						
13						
14						
15						
16						

### COMP DISTORTION

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Drive	0 – 127	0	127		●
2	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
3	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
4	LPF Cutoff	1.0kHz – 18kHz, Thru	34	60	Table #3	
5	Output Level	0 – 127	0	127		
6						
7	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
8	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
9	EQ Mid Width	0.1 – 12.0	1	120		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Edge (Clip Curve)	0 – 127 (mild – sharp)	0	127		
12	Attack	1ms – 40ms	0	19	Table #18	
13	Release	10ms – 680ms	0	15	Table #19	
14	Threshold	-48dB – -6dB	79	121		
15	Ratio	1.0 – 20.0	0	7	Table #20	
16						

### DISTORTION

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Drive	0 – 127	0	127		●
2	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
3	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
4	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
5	Output Level	0 – 127	0	127		
6						
7	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
8	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
9	EQ Mid Width	0.1 – 12.0	1	120		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Edge (Clip Curve)	0 – 127 (mild – sharp)	0	127		
12						
13						
14						
15						
16						

### COMP DIST DELAY

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Delay Time	0.1ms – 1.6383s	1	16383		
2	Delay Feedback Level	-63 – 0 – +63	1	127		
3	Delay Mix	0 – 127	0	127		
4	Dist Drive	0 – 127	0	127		
5	Dist Output Level	0 – 127	0	127		
6	Dist EQ Low Gain	-12dB – 0dB – +12dB	52	76		
7	Dist EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11	Comp Attack	1ms – 40ms	0	19	Table #18	
12	Comp Release	10ms – 680ms	0	15	Table #19	
13	Comp Threshold	-48dB – -6dB	79	121		
14	Comp Ratio	1.0 – 20.0	0	7	Table #20	
15						
16						

### COMP DIST TEMPO DELAY

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Delay Time	32nd/3 – 4thx6	0	19	Table #5	●
2	Delay Feedback Level	-63 – 0 – +63	1	127		
3	Delay Mix	0 – 127	0	127		
4	Dist Drive	0 – 127	0	127		
5	Dist Output Level	0 – 127	0	127		
6	Dist EQ Low Gain	-12dB – 0dB – +12dB	52	76		
7	Dist EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
8	L/R Diffusion	-63ms – 0ms – +63ms	1	127		
9	Lag	-63ms – 0ms – +63ms	1	127		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Comp Attack	1ms – 40ms	0	19	Table #18	
12	Comp Release	10ms – 680ms	0	15	Table #19	
13	Comp Threshold	-48dB – -6dB	79	121		
14	Comp Ratio	1.0 – 20.0	0	7	Table #20	
15						
16						

### TEMPO AUTO WAH2

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	16th – 4thx16	5	29	Table #5	●
2	LFO Depth	0 – 127	0	127		
3	Cutoff Frequency Offset	0 – 127	0	127		
4	Resonance	1.0 – 12.0	10	120		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Drive	0 – 127	0	127		
12	Dist EQ Low Gain	-12dB – 0dB – +12dB	52	76		
13	Dist EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
14	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
15	Output Level	0 – 127	0	127		
16						

### AUTO WAH

#### AUTO WAH

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	●
2	LFO Depth	0 – 127	0	127		
3	Cutoff Frequency Offset	0 – 127	0	127		
4	Resonance	1.0 – 12.0	10	120		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Drive	0 – 127	0	127		
12						
13						
14						
15						
16						

### TOUCH WAH/PEDAL WAH

#### TOUCH WAH1

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Sensitivity	0 – 127	0	127		●
2	Cutoff Frequency Offset	0 – 127	0	127		
3	Resonance	1.0 – 12.0	10	120		
4						
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Drive	0 – 127	0	127		
12						
13						
14						
15						
16						

### AUTO WAH DISTORTION

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	●
2	LFO Depth	0 – 127	0	127		
3	Cutoff Frequency Offset	0 – 127	0	127		
4	Resonance	1.0 – 12.0	10	120		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Drive	0 – 127	0	127		
12	Dist EQ Low Gain	-12dB – 0dB – +12dB	52	76		
13	Dist EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
14	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
15	Output Level	0 – 127	0	127		
16						

#### TOUCH WAH2

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Sensitivity	0 – 127	0	127		●
2	Cutoff Frequency Offset	0 – 127	0	127		
3	Resonance	1.0 – 12.0	10	120		
4						
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Drive	0 – 127	0	127		
12	Dist EQ Low Gain	-12dB – 0dB – +12dB	52	76		
13	Dist EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
14	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
15	Output Level	0 – 127	0	127		
16	Release	10.0ms – 680.0ms	52	67	Table #22	

### TEMPO AUTO WAH1

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	16th – 4thx16	5	29	Table #5	●
2	LFO Depth	0 – 127	0	127		
3	Cutoff Frequency Offset	0 – 127	0	127		
4	Resonance	1.0 – 12.0	10	120		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Drive	0 – 127	0	127		
12						
13						
14						
15						
16						

### WAH DISTORTION DELAY

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Delay Time	0.1ms – 1.6383s	1	16383		●
2	Delay Feedback Level	-63 – 0 – +63	1	127		
3	Delay Mix	0 – 127	0	127		
4	Dist Drive	0 – 127	0	127		
5	Dist Output Level	0 – 127	0	127		
6	Dist EQ Low Gain	-12dB – 0dB – +12dB	52	76		
7	Dist EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Wah Sensitivity	0 – 127	0	127		
12	Wah Cutoff Frequency Offset	0 – 127	0	127		
13	Wah Resonance	1.0 – 12.0	10	120		
14	Wah Release	10.0ms – 680.0ms	52	67	Table #22	
15						
16						

## WAH DIST TEMPO DELAY

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Delay Time	32nd/3 – 4thx6	0	19	Table #5	
2	Delay Feedback Level	-63 – 0 – +63	1	127		
3	Delay Mix	0 – 127	0	127		
4	Dist Drive	0 – 127	0	127		
5	Dist Output Level	0 – 127	0	127		
6	Dist EQ Low Gain	-12dB – 0dB – +12dB	52	76		
7	Dist EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
8	L/R Diffusion	-63ms – 0ms – +63ms	1	127		
9	Lag	-63ms – 0ms – +63ms	1	127		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		●
11	Wah Sensitivity	0 – 127	0	127		
12	Wah Cutoff Frequency Offset	0 – 127	0	127		
13	Wah Resonance	1.0 – 12.0	10	120		
14	Wah Release	10.0ms – 680.0ms	52	67	Table #22	
15						
16						

## PEDAL WAH1

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Pedal Control	0 – 127	0	127		●
2	Depth	0 – 127	0	127		
3	Cutoff Frequency Offset	0 – 127	0	127		
4	Resonance	1.0 – 12.0	10	120		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Drive	0 – 127	0	127		
12						
13						
14						
15						
16						

## PEDAL WAH2

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Pedal Control	0 – 127	0	127		●
2	Depth	0 – 127	0	127		
3	Cutoff Frequency Offset	0 – 127	0	127		
4	Resonance	1.0 – 12.0	10	120		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	Drive	0 – 127	0	127		
12	Dist EQ Low Gain	-12dB – 0dB – +12dB	52	76		
13	Dist EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
14	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
15	Output Level	0 – 127	0	127		
16						

## ROTARY SPEAKER/AUTO PAN/TREMOLO

### ROTARY SPEAKER1

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Woofers Speed Slow	0.0rpm – 159.0rpm	0	63	Table #28	
2	Horn Speed Slow	0.0rpm – 159.0rpm	0	63	Table #28	
3	Woofers Speed Fast	161.4rpm – 2382.0rpm	64	127	Table #29	
4	Horn Speed Fast	161.4rpm – 2382.0rpm	64	127	Table #29	
5	Slow-Fast Time of Woofers	0 – 127	0	127		
6	Slow-Fast Time of Horn	0 – 127	0	127		
7	Drive Low	0 – 127	0	127		
8	Drive High	0 – 127	0	127		
9	Low/High Balance	L63>H – L=H – L<H63	1	127		
10						
11	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
12	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
13	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
14	EQ High Gain	-12dB – 0dB – +12dB	52	76		
15	Mic L-R Angle	0deg – 180deg (resolution=3deg.)	0	60		
16	Speed Control	Slow, Fast	0	1		●

### ROTARY SPEAKER2

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	●
2	LFO Depth	0 – 127	0	127		
3						
4						
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14						
15						
16						

### 2WAY ROTARY SPEAKER

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Rotor Speed	0.00Hz – 39.7Hz	0	127	Table #8	●
2	Drive Low	0 – 127	0	127		
3	Drive High	0 – 127	0	127		
4	Low/High Balance	L63>H – L=H – L<H63	1	127		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10						
11	Crossover Frequency	100Hz – 10kHz	14	54	Table #3	
12	Mic L-R Angle	0deg – 180deg (resolution=3deg.)	0	60		
13						
14						
15						
16						

### DIST ROTARY SPEAKER

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	●
2	LFO Depth	0 – 127	0	127		
3						
4						
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11						
12						
13						
14	Drive	0 – 127	0	127		
15	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
16	Output Level	0 – 127	0	127		



### DIST 2WAY ROTARY SP

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Rotor Speed	0.00Hz – 39.7Hz	0	127	Table #8	●
2	Drive Low	0 – 127	0	127		
3	Drive High	0 – 127	0	127		
4	Low/High Balance	L63>H – L=H – L<H63	1	127		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10						
11	Crossover Frequency	100Hz – 10kHz	14	54	Table #3	
12	Mic L-R Angle	0deg – 180deg (resolution=3deg.)	0	60		
13						
14	Drive	0 – 127	0	127		
15	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
16	Output Level	0 – 127	0	127		

### AMP ROTARY SPEAKER

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	●
2	LFO Depth	0 – 127	0	127		
3	Amp Type	Off, Stack, Combo, Tube	0	3		
4						
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11						
12						
13						
14	Drive	0 – 127	0	127		
15	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
16	Output Level	0 – 127	0	127		

### AMP 2WAY ROTARY SP

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Rotor Speed	0.00Hz – 39.7Hz	0	127	Table #8	●
2	Drive Low	0 – 127	0	127		
3	Drive High	0 – 127	0	127		
4	Low/High Balance	L63>H – L=H – L<H63	1	127		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10						
11	Crossover Frequency	100Hz – 10kHz	14	54	Table #3	
12	Mic L-R Angle	0deg – 180deg (resolution=3deg.)	0	60		
13	Amp Type	Off, Stack, Combo, Tube	0	3		
14	Drive	0 – 127	0	127		
15	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
16	Output Level	0 – 127	0	127		

### AUTO PAN1

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	●
2	L/R Depth	0 – 127	0	127		
3	F/R Depth	0 – 127	0	127		
4	Pan Direction	L<->R, L->R, L<-R, Lturn, Rturn, L/R	0	5		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10						
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14						
15						
16						

### AUTO PAN2

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	●
2	L/R Depth	0 – 127	0	127		
3	F/R Depth	0 – 127	0	127		
4	Pan Direction	L<->R, L->R, L<-R, Lturn, Rturn, L/R	0	5		
5	LFO Wave	0 – 28	0	28		
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10						
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14						
15	Input Mode	Mono, Stereo	0	1		
16						

### TEMPO AUTO PAN1

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	16th – 4thx16	5	29	Table #5	●
2	L/R Depth	0 – 127	0	127		
3	F/R Depth	0 – 127	0	127		
4	Pan Direction	L<->R, L->R, L<-R, Lturn, Rturn, L/R	0	5		
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10						
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14						
15						
16						

### TEMPO AUTO PAN2

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	16th – 4thx16	5	29	Table #5	●
2	L/R Depth	0 – 127	0	127		
3	F/R Depth	0 – 127	0	127		
4	Pan Direction	L<->R, L->R, L<-R, Lturn, Rturn, L/R	0	5		
5	LFO Wave	0 – 28	0	28		
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10						
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14						
15	Input Mode	Mono, Stereo	0	1		
16						

### TREMOLO

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	●
2	AM Depth	0 – 127	0	127		
3	PM Depth	0 – 127	0	127		
4						
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10						
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14	LFO Phase Difference	-180deg – 0deg – +180deg (resolution=3deg.)	4	124		
15	Input Mode	Mono, Stereo	0	1		
16						

### TEMPO TREMOLO

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	LFO Frequency	16th – 4thx16	5	29	Table #5	●
2	AM Depth	0 – 127	0	127		
3	PM Depth	0 – 127	0	127		
4						
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10						
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14	LFO Phase Difference	-180deg – 0deg – +180deg (resolution=3deg.)	4	124		
15	Input Mode	Mono, Stereo	0	1		
16						

### VIBE VIBRATE

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Rotor Speed	0.00Hz – 39.7Hz	0	127	Table #8	
2	AM Depth	0 – 127	0	127		
3	PM Depth	0 – 127	0	127		
4						
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11	EQ Mid Frequency	100Hz – 10kHz	14	54	Table #3	
12	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
13	EQ Mid Width	0.1 – 12.0	1	120		
14	LFO Phase Difference	-180deg – 0deg – +180deg (resolution=3deg.)	4	124		
15	Input Mode	Mono, Stereo	0	1		
16	Rotor SW	Off, On	0	1		●

### COMPRESSOR/NOISE GATE

#### COMPRESSOR

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Attack	1ms – 40ms	0	19	Table #18	
2	Release	10ms – 680ms	0	15	Table #19	
3	Threshold	-48dB – -6dB	79	121		
4	Ratio	1.0 – 20.0	0	7	Table #20	
5	Output Level	0 – 127	0	127		
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

#### MULTI BAND COMP

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Type	Normal, Low, Mid, High, Low/High, Low/Mid, Mid/ High, Full Bit, Wild, Attack, Low End, Hard, Basic	0	12		●
2	Threshold Offset	-32 – 0 – +32	32	96		
3	Low Gain Offset	-63 – 0 – +63	1	127		
4	Mid Gain Offset	-63 – 0 – +63	1	127		
5	High Gain Offset	-63 – 0 – +63	1	127		
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

### NOISE GATE

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Attack	1ms – 40ms	0	19	Table #18	
2	Release	10ms – 680ms	0	15	Table #19	
3	Threshold	-72dB – -30dB	55	97		
4	Output Level	0 – 127	0	127		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

### EQ/ENHANCER

#### 3BAND EQ

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
2	EQ Mid Frequency	100Hz – 16kHz	14	58	Table #3	
3	EQ Mid Gain	-12dB – 0dB – +12dB	52	76		
4	EQ Mid Width	0.1 – 12.0	1	120		
5	EQ High Gain	-12dB – 0dB – +12dB	52	76		
6	EQ Low Frequency	50Hz – 2.0kHz	8	40	Table #3	
7	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
8						
9						
10						
11						
12						
13						
14						
15	Input Mode	Mono, Stereo	0	1		
16						

#### 2BAND EQ

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
2	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
3	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
4	EQ High Gain	-12dB – 0dB – +12dB	52	76		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

#### HARMONIC ENHANCER

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	HPF Cutoff Frequency	500Hz – 16kHz	28	58	Table #3	
2	Drive	0 – 127	0	127		
3	Mix Level	0 – 127	0	127		
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

## PITCH CHANGE

### PITCH CHANGE1

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Pitch	-24 – 0 – +24	40	88		
2	Initial Delay Time	0.1ms – 400.0ms	0	127	Table #6	
3	Fine 1	-50 – 0 – +50	14	114		
4	Fine 2	-50 – 0 – +50	14	114		
5	Feedback Level	-63 – 0 – +63	1	127		
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	Pan 1	L63 – C – R63	1	127		
12	Output Level 1	0 – 127	0	127		
13	Pan 2	L63 – C – R63	1	127		
14	Output Level 2	0 – 127	0	127		
15						
16						

### PITCH CHANGE2

Block: Chorus, Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Pitch	-24 – 0 – +24	40	88		
2	Initial Delay	0.1ms – 400.0ms	0	127	Table #6	
3	Fine 1	-50cent – 0cent – +50cent	14	114		
4	Fine 2	-50cent – 0cent – +50cent	14	114		
5	Feedback Level	-63 – 0 – +63	1	127		
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11	Pan 1	L63 – C – R63	1	127		
12	Output Level 1	0 – 127	0	127		
13	Pan 2	L63 – C – R63	1	127		
14	Output Level 2	0 – 127	0	127		
15						
16						

## MISC

### VOICE CANCELAR

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11	Low Adjust	0 – 26	0	26		
12	High Adjust	0 – 26	0	26		
13						
14						
15						
16						

### AMBIENCE

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Delay Time	0.0ms – 50.0ms	0	127	Table #9	
2	Output Phase	Normal, Inverse	0	1		
3						
4						
5						
6	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
8	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52	76		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11						
12						
13						
14						
15						
16						

## TALKING MODULATION

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Vowel	a, i, u, e, o	0	4		•
2	Move Speed	1 – 62	1	62		
3	Drive	0 – 127	0	127		
4	Output Level	0 – 127	0	127		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

### LO FI

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Sampling Frequency Control	44.1kHz – 345.0Hz	0	127	Table #39	
2	Word Length	1 – 127	1	127		
3	Output Gain	-6dB – 0dB – +36dB	0	42		
4	LPF Cutoff Frequency	63Hz – 18kHz, Thru	10	60	Table #3	
5	Filter Type	Thru, PowerBass, Radio, Tel, Clean, Low	0	5		
6	LPF Resonance	1.0 – 12.0	10	120		
7	Bit Assign	0 – 6	0	6		
8	Emphasis	Off, On	0	1		
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		•
11						
12						
13						
14						
15	Input Mode	Mono, Stereo	0	1		
16						

### DYNAMIC FILTER

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Filter Type	LPF(12dB), LPF(18dB), LPF(24dB), HPF, BPF, BEF	0	5		•
2	Sensitivity	0 – 127	0	127		
3	Dyna Level Offset	0 – 127	0	127		
4	Resonance	-16 – 0 – +111	0	127		
5	Attack Time	0.3ms – 227ms	0	127	Table #13	
6	Release Time	2.6ms – 2171.4ms	0	127	Table #14	
7	Release Curve	0 – 127	0	127		
8	Direction	Up, Down	0	1		
9	Dyna Threshold Level	0 – 127	0	127		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11						
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

### DYNAMIC RING MOD

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Sensitivity	0 – 127	0	127		•
2	HPF Cutoff Frequency	Thru, 22Hz – 8.0kHz	0	52	Table #3	
3	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
4	Attack Time	0.3ms – 227ms	0	127	Table #13	
5	Release Time	2.6ms – 2171.4ms	0	127	Table #14	
6	Release Curve	0 – 127	0	127		
7	Direction	Up, Down	0	1		
8	Dyna Threshold Level	0 – 127	0	127		
9	Dyna Level Offset	0 – 127	0	127		
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11						
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

## RING MODULATOR

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	Osc Frequency Coarse	0.7Hz – 5002.6kHz	0	127	Table #40	●
2	Osc Frequency Fine	0 – 127	0	127		
3	LFO Wave	Triangle, Sine	0	1		
4	LFO Depth	0 – 127	0	127		
5	LFO Frequency	0.00Hz – 39.7Hz	0	127	Table #8	
6	HPF Cutoff Frequency	Thru, 22Hz – 8.0kHz	0	52	Table #3	
7	LPF Cutoff Frequency	1.0kHz – 18kHz, Thru	34	60	Table #3	
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1	127		
11						
12						
13	EQ Low Frequency	32Hz – 2.0kHz	4	40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52	76		
15	EQ High Frequency	500Hz – 16kHz	28	58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52	76		

## ISOLATOR

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1	On/Off SW	Off, On	0	1		●
2	Low Level	0 – 127	0	127		
3	Mid Level	0 – 127	0	127		
4	High Level	0 – 127	0	127		
5	Low Mute	Off, On	0	1		
6	Mid Mute	Off, On	0	1		
7	High Mute	Off, On	0	1		
8						
9						
10						
11						
12						
13						
14						
15						
16						

## NO EFFECT

Block: Reverb, Chorus, Variation

No.	Parameter	Display	Min	Max	Table	Control
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

## THRU

Block: Variation, DSP1 – 5

No.	Parameter	Display	Min	Max	Table	Control
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

# Effect Data Assign Table / Effektdaten-Zuordnungstabelle / Tableau d'assignation des données d'effets / Tabla de asignación de datos para efectos

**Table #1**

Reverb Time [s]					
Data	Value	Data	Value	Data	Value
0	0.3	32	3.5	64	17.0
1	0.4	33	3.6	65	18.0
2	0.5	34	3.7	66	19.0
3	0.6	35	3.8	67	20.0
4	0.7	36	3.9	68	25.0
5	0.8	37	4.0	69	30.0
6	0.9	38	4.1		
7	1.0	39	4.2		
8	1.1	40	4.3		
9	1.2	41	4.4		
10	1.3	42	4.5		
11	1.4	43	4.6		
12	1.5	44	4.7		
13	1.6	45	4.8		
14	1.7	46	4.9		
15	1.8	47	5.0		
16	1.9	48	5.5		
17	2.0	49	6.0		
18	2.1	50	6.5		
19	2.2	51	7.0		
20	2.3	52	7.5		
21	2.4	53	8.0		
22	2.5	54	8.5		
23	2.6	55	9.0		
24	2.7	56	9.5		
25	2.8	57	10.0		
26	2.9	58	11.0		
27	3.0	59	12.0		
28	3.1	60	13.0		
29	3.2	61	14.0		
30	3.3	62	15.0		
31	3.4	63	16.0		

**Table #4**

Reverb Width; Depth; Height [m]					
Data	Value	Data	Value	Data	Value
0	0.5	32	8.8	64	17.6
1	0.8	33	9.1	65	17.9
2	1.0	34	9.4	66	18.2
3	1.3	35	9.6	67	18.5
4	1.5	36	9.9	68	18.8
5	1.8	37	10.2	69	19.1
6	2.0	38	10.4	70	19.4
7	2.3	39	10.7	71	19.7
8	2.6	40	11.0	72	20.0
9	2.8	41	11.2	73	20.2
10	3.1	42	11.5	74	20.5
11	3.3	43	11.8	75	20.8
12	3.6	44	12.1	76	21.1
13	3.9	45	12.3	77	21.4
14	4.1	46	12.6	78	21.7
15	4.4	47	12.9	79	22.0
16	4.6	48	13.1	80	22.4
17	4.9	49	13.4	81	22.7
18	5.2	50	13.7	82	23.0
19	5.4	51	14.0	83	23.3
20	5.7	52	14.2	84	23.6
21	5.9	53	14.5	85	23.9
22	6.2	54	14.8	86	24.2
23	6.5	55	15.1	87	24.5
24	6.7	56	15.4	88	24.9
25	7.0	57	15.6	89	25.2
26	7.2	58	15.9	90	25.5
27	7.5	59	16.2	91	25.8
28	7.8	60	16.5	92	26.1
29	8.0	61	16.8	93	26.5
30	8.3	62	17.1	94	26.8
31	8.6	63	17.3	95	27.1

**Table #7**

Room Size					
Data	Value	Data	Value	Data	Value
0	0.1	32	5.1	64	10.1
1	0.3	33	5.3	65	10.3
2	0.4	34	5.4	66	10.4
3	0.6	35	5.6	67	10.6
4	0.7	36	5.7	68	10.8
5	0.9	37	5.9	69	10.9
6	1.0	38	6.1	70	11.1
7	1.2	39	6.2	71	11.2
8	1.4	40	6.4	72	11.4
9	1.5	41	6.5	73	11.5
10	1.7	42	6.7	74	11.7
11	1.8	43	6.8	75	11.9
12	2.0	44	7.0	76	12.0
13	2.1	45	7.2	77	12.2
14	2.3	46	7.3	78	12.3
15	2.5	47	7.5	79	12.5
16	2.6	48	7.6	80	12.6
17	2.8	49	7.8	81	12.8
18	2.9	50	7.9	82	12.9
19	3.1	51	8.1	83	13.1
20	3.2	52	8.2	84	13.3
21	3.4	53	8.4	85	13.4
22	3.5	54	8.6	86	13.6
23	3.7	55	8.7	87	13.7
24	3.9	56	8.9	88	13.9
25	4.0	57	9.0	89	14.0
26	4.2	58	9.2	90	14.2
27	4.3	59	9.3	91	14.4
28	4.5	60	9.5	92	14.5
29	4.6	61	9.7	93	14.7
30	4.8	62	9.8	94	14.8
31	5.0	63	10.0	95	15.0

**Table #11**

V-Flanger Delay Offset [ms]					
Data	Value	Data	Value	Data	Value
0	0.09	37	1.24	74	7.74
1	0.11	38	1.30	75	8.13
2	0.13	39	1.37	76	8.54
3	0.15	40	1.44	77	8.97
4	0.18	41	1.51	78	9.41
5	0.20	42	1.59	79	9.85
6	0.22	43	1.67	80	10.29
7	0.24	44	1.76	81	10.73
8	0.27	45	1.84	82	11.17
9	0.29	46	1.94	83	11.61
10	0.31	47	2.04	84	12.05
11	0.34	48	2.14	85	12.49
12	0.36	49	2.25	86	12.93
13	0.38	50	2.36	87	13.37
14	0.40	51	2.48	88	13.81
15	0.42	52	2.61	89	14.24
16	0.43	53	2.74	90	14.68
17	0.46	54	2.88	91	15.12
18	0.48	55	3.03	92	15.56
19	0.51	56	3.18	93	16.00
20	0.53	57	3.34	94	16.44
21	0.56	58	3.51	95	16.88
22	0.59	59	3.69	96	17.32
23	0.62	60	3.87	97	17.76
24	0.65	61	4.07	98	18.20
25	0.68	62	4.28	99	18.64
26	0.72	63	4.49	100	19.08
27	0.76	64	4.72	101	19.52
28	0.79	65	4.96	102	19.96
29	0.83	66	5.21	103	20.40
30	0.88	67	5.47	104	20.83
31	0.92	68	5.75	105	21.27
32	0.97	69	6.04	106	21.71
33	1.02	70	6.35	107	22.15
34	1.07	71	6.67	108	22.59
35	1.12	72	7.01	109	23.03
36	1.18	73	7.37	110	23.47

**Table #2**

Delay Time (0.1 – 200.0 [ms])					
Data	Value	Data	Value	Data	Value
0	0.1	32	50.5	64	100.8
1	1.7	33	52.0	65	102.4
2	3.2	34	53.6	66	104.0
3	4.8	35	55.2	67	105.6
4	6.4	36	56.8	68	107.1
5	8.0	37	58.3	69	108.7
6	9.5	38	59.9	70	110.3
7	11.1	39	61.5	71	111.9
8	12.7	40	63.1	72	113.4
9	14.3	41	64.6	73	115.0
10	15.8	42	66.2	74	116.6
11	17.4	43	67.8	75	118.2
12	19.0	44	69.4	76	119.7
13	20.6	45	70.9	77	121.3
14	22.1	46	72.5	78	122.9
15	23.7	47	74.1	79	124.4
16	25.3	48	75.7	80	126.0
17	26.9	49	77.2	81	127.6
18	28.4	50	78.8	82	129.2
19	30.0	51	80.4	83	130.7
20	31.6	52	81.9	84	132.3
21	33.2	53	83.5	85	133.9
22	34.7	54	85.1	86	135.5
23	36.3	55	86.7	87	137.0
24	37.9	56	88.2	88	138.6
25	39.5	57	89.8	89	140.2
26	41.0	58	91.4	90	141.8
27	42.6	59	93.0	91	143.3
28	44.2	60	94.5	92	144.9
29	45.7	61	96.1	93	146.5
30	47.3	62	97.7	94	148.1
31	48.9	63	99.3	95	149.6

**Table #5**

Tempo					
Data	Value	Data	Value	Data	Value
0	32nd/3	32	4thx19	64	4thx51
1	64th.	33	4thx20	65	4thx52
2	32nd	34	4thx21	66	4thx53
3	16th/3	35	4thx22	67	4thx54
4	32nd.	36	4thx23	68	4thx55
5	16th	37	4thx24	69	4thx56
6	8th/3	38	4thx25	70	4thx57
7	16th.	39	4thx26	71	4thx58
8	8th	40	4thx27	72	4thx59
9	4th/3	41	4thx28	73	4thx60
10	8th.	42	4thx29	74	4thx61
11	4th	43	4thx30	75	4thx62
12	2nd/3	44	4thx31	76	4thx63
13	4th.	45	4thx32	77	4thx64
14	2nd	46	4thx33		
15	Whole/3	47	4thx34		
16	2nd.	48	4thx35		
17	4thx4	49	4thx36		
18	4thx5	50	4thx37		
19	4thx6	51	4thx38		
20	4thx7	52	4thx39		
21	4thx8	53	4thx40		
22	4thx9	54	4thx41		
23	4thx10	55	4thx42		
24	4thx11	56	4thx43		
25	4thx12	57	4thx44		
26	4thx13	58	4thx45		
27	4thx14	59	4thx46		
28	4thx15	60	4thx47		
29	4thx16	61	4thx48		
30	4thx17	62	4thx49		
31	4thx18	63	4thx50		

**Table #8**

LFO Frequency [Hz]					
Data	Value	Data	Value	Data	Value
0	0.00	32	1.35	64	2.69
1	0.04	33	1.39	65	2.78
2	0.08	34	1.43	66	2.86
3	0.13	35	1.47	67	2.94
4	0.17	36	1.51	68	3.03
5	0.21	37	1.56	69	3.11
6	0.25	38	1.60	70	3.20
7	0.29	39	1.64	71	3.28
8	0.34	40	1.68	72	3.37
9	0.38	41	1.72	73	3.45
10	0.42	42	1.77	74	3.53
11	0.46	43	1.81	75	3.62
12	0.51	44	1.85	76	3.70
13	0.55	45	1.89	77	3.80
14	0.59	46	1.94	78	4.04
15	0.63	47	1.98	79	4.21
16	0.67	48	2.02	80	4.37
17	0.72	49	2.06	81	4.54
18	0.76	50	2.10	82	4.71
19	0.80	51	2.15	83	4.88
20	0.84	52	2.19	84	5.05
21	0.88	53	2.23	85	5.22
22	0.93	54			

**Table #14**  
Dyna Release Time [ms]

Data	Value	Data	Value	Data	Value	Data	Value
0	2.6	32	86.8	64	369.1	96	1064.0
1	3.0	33	91.2	65	390.8	97	1085.7
2	3.4	34	95.5	66	412.5	98	1107.4
3	3.9	35	99.8	67	434.2	99	1129.1
4	4.3	36	104.2	68	456.0	100	1150.8
5	4.7	37	108.5	69	477.7	101	1172.5
6	5.2	38	112.9	70	499.4	102	1194.3
7	5.6	39	117.2	71	521.1	103	1216.0
8	6.0	40	121.6	72	542.8	104	1237.7
9	6.5	41	125.9	73	564.5	105	1259.4
10	6.9	42	130.2	74	586.2	106	1281.1
11	7.3	43	134.6	75	608.0	107	1302.8
12	7.8	44	138.9	76	629.7	108	1324.5
13	8.2	45	143.3	77	651.4	109	1346.2
14	8.6	46	147.6	78	673.1	110	1367.9
15	13.0	47	152.0	79	694.8	111	1389.6
16	17.3	48	156.3	80	716.5	112	1411.3
17	21.7	49	160.6	81	738.3	113	1433.0
18	26.0	50	165.0	82	760.0	114	1454.7
19	30.4	51	169.3	83	781.7	115	1476.4
20	34.7	52	173.7	84	803.4	116	1498.1
21	39.0	53	178.0	85	825.1	117	1519.8
22	43.4	54	182.4	86	846.8	118	1541.5
23	47.7	55	186.7	87	868.5	119	1563.2
24	52.1	56	191.1	88	890.3	120	1584.9
25	56.4	57	195.4	89	912.0	121	1606.6
26	60.8	58	199.8	90	933.7	122	1628.3
27	65.1	59	204.2	91	955.4	123	1650.0
28	69.4	60	208.5	92	977.1	124	1671.7
29	73.8	61	212.9	93	998.8	125	1693.4
30	78.1	62	217.2	94	1020.5	126	1715.1
31	82.5	63	221.6	95	1042.3	127	1736.8

**Table #19**  
Compressor Release Time [ms]

Data	Value
0	10
1	15
2	25
3	35
4	45
5	55
6	65
7	75
8	85
9	100
10	115
11	140
12	170
13	230
14	340
15	680

**Table #20**  
Compressor Ratio

Data	Value
0	1.0
1	1.5
2	2.0
3	3.0
4	5.0
5	7.0
6	10.0
7	20.0

**Table #22**  
Wah Release Time [ms]

Data	Value
52	10.0
53	15.0
54	25.0
55	35.0
56	45.0
57	55.0
58	65.0
59	75.0
60	85.0
61	100.0
62	115.0
63	140.0
64	170.0
65	230.0
66	340.0
67	680.0

**Table #28**  
Rotary Sp1 Speed Slow [rpm]

Data	Value	Data	Value
0	0.0	32	81.0
1	2.4	33	83.4
2	4.8	34	85.8
3	7.8	35	88.2
4	10.2	36	90.6
5	12.6	37	93.0
6	15.0	38	96.0
7	17.4	39	98.4
8	20.4	40	100.8
9	22.8	41	103.2
10	25.2	42	106.2
11	27.6	43	108.6
12	30.6	44	111.0
13	33.0	45	113.4
14	35.4	46	116.4
15	37.8	47	118.8
16	40.2	48	121.2
17	43.2	49	123.6
18	45.6	50	126.0
19	48.0	51	129.0
20	50.4	52	131.4
21	52.8	53	133.8
22	55.8	54	136.2
23	58.2	55	138.6
24	60.6	56	141.6
25	63.0	57	144.0
26	65.4	58	146.4
27	68.4	59	148.8
28	70.8	60	151.2
29	73.2	61	154.2
30	75.6	62	156.6
31	78.0	63	159.0

**Table #29**  
Rotary Sp1 Speed Fast [rpm]

Data	Value	Data	Value
64	161.4	96	504.6
65	166.8	97	525.0
66	171.6	98	544.8
67	176.4	99	565.2
68	181.8	100	585.6
69	186.6	101	606.0
70	192.0	102	648.0
71	196.8	103	684.0
72	202.2	104	726.0
73	207.0	105	768.0
74	211.8	106	810.0
75	217.2	107	846.0
76	222.0	108	888.0
77	232.2	109	930.0
78	242.4	110	972.0
79	252.6	111	1008.0
80	262.2	112	1050.0
81	272.4	113	1092.0
82	282.6	114	1170.0
83	292.8	115	1254.0
84	303.0	116	1332.0
85	313.2	117	1416.0
86	322.8	118	1494.0
87	333.0	119	1572.0
88	343.2	120	1656.0
89	363.6	121	1734.0
90	383.4	122	1818.0
91	403.8	123	1896.0
92	424.2	124	1980.0
93	444.0	125	2058.0
94	464.4	126	2220.0
95	484.8	127	2382.0

**Table #39**  
LO-FI Sampling Frequency Control [Hz]

Data	Value	Data	Value	Data	Value	Data	Value
0	44.1k	32	1.34k	64	678.0	96	455.0
1	22.1k	33	1.30k	65	668.0	97	450.0
2	14.7k	34	1.26k	66	658.0	98	445.0
3	11.0k	35	1.23k	67	649.0	99	441.0
4	8.8k	36	1.19k	68	639.0	100	437.0
5	7.4k	37	1.16k	69	630.0	101	432.0
6	6.3k	38	1.13k	70	621.0	102	428.0
7	5.5k	39	1.10k	71	613.0	103	424.0
8	4.9k	40	1.08k	72	604.0	104	420.0
9	4.4k	41	1.05k	73	596.0	105	416.0
10	4.0k	42	1.03k	74	588.0	106	412.0
11	3.7k	43	1.00k	75	580.0	107	408.0
12	3.4k	44	980.0	76	573.0	108	405.0
13	3.2k	45	959.0	77	565.0	109	401.0
14	2.9k	46	938.0	78	558.0	110	397.0
15	2.8k	47	919.0	79	551.0	111	394.0
16	2.6k	48	900.0	80	544.0	112	390.0
17	2.5k	49	882.0	81	538.0	113	387.0
18	2.3k	50	865.0	82	531.0	114	383.0
19	2.2k	51	848.0	83	525.0	115	380.0
20	2.1k	52	832.0	84	519.0	116	377.0
21	2.0k	53	817.0	85	513.0	117	374.0
22	1.92k	54	802.0	86	507.0	118	371.0
23	1.84k	55	788.0	87	501.0	119	368.0
24	1.76k	56	774.0	88	496.0	120	364.0
25	1.70k	57	760.0	89	490.0	121	361.0
26	1.63k	58	747.0	90	485.0	122	359.0
27	1.58k	59	735.0	91	479.0	123	356.0
28	1.52k	60	723.0	92	474.0	124	353.0
29	1.47k	61	711.0	93	469.0	125	350.0
30	1.42k	62	700.0	94	464.0	126	347.0
31	1.38k	63	689.0	95	459.0	127	345.0

**Table #40**  
Ring Mod OSC Freq Course [Hz]

Data	Value	Data	Value	Data	Value	Data	Value
0	0.7	32	25.6	64	151.4	96	895.0
1	1.3	33	26.9	65	160.2	97	946.1
2	2.0	34	28.9	66	169.6	98	1000.7
3	2.7	35	30.3	67	179.0	99	1057.2
4	3.4	36	32.3	68	189.1	100	1117.7
5	4.0	37	33.6	69	199.9	101	1181.7
6	4.7	38	35.7	70	211.3	102	1249.0
7	5.4	39	37.7	71	223.4	103	1320.3
8	6.1	40	39.7	72	236.2	104	1395.7
9	6.7	41	42.4	73	249.7	105	1475.1
10	7.4	42	44.4	74	263.8	106	1559.2
11	8.1	43	47.1	75	279.3	107	1648.7
12	8.7	44	49.8	76	294.7	108	1742.9
13	9.4	45	52.5	77	311.6	109	1841.8
14	10.1	46	55.9	78	329.7	110	1945.5
15	10.8	47	59.2	79	348.6	111	2058.5
16	11.4	48	62.6	80	368.1	112	2175.6
17	12.1	49	65.9	81	389.6	113	2300.1
18	12.8	50	70.0	82	411.8	114	2431.3
19	13.5	51	73.3	83	435.4	115	2569.9
20	14.1	52	78.1	84	459.6	116	2716.6
21	14.8	53	82.1	85	485.9	117	2871.4
22	15.5	54	86.8	86	514.1	118	3035.6
23	16.2	55	92.2	87	543.1	119	3208.5
24	16.8	56	96.9	88	574.0	120	3391.6
25	17.5	57	103.0	89	607.0	121	3585.4
26	18.2	58	108.3	90	642.0	122	3790.0
27	19.5	59	115.1	91	678.3	123	4006.6
28	20.9	60	121.1	92	717.3	124	4234.8
29	21.5	61	128.5	93	757.7	125	4477.0
30	22.9	62	135.9	94	801.5	126	4732.1
31	24.2	63	143.3	95	847.2	127	5002.6

**Table #17**  
EgMultiFx LFO Freq [Hz]

Data	Value	Data	Value	Data	Value	Data	Value
0	0.100	32	0.318	64	1.009	96	3.238
1	0.103	33	0.329	65	1.051	97	3.365
2	0.105	34	0.342	66	1.093	98	3.491
3	0.110	35	0.352	67	1.125	99	3.617
4	0.113	36	0.368	68	1.167	100	3.743
5	0.118	37	0.379	69	1.220	101	3.869
6	0.124	38	0.394	70	1.262	102	4.037
7	0.129	39	0.410	71	1.304	103	4.164
8	0.131	40	0.426	72	1.346	104	4.332
9	0.137	41	0.442	73	1.409	105	4.500
10	0.142	42	0.457	74	1.451	106	4.668
11	0.147	43	0.473				

# Parameter Chart / Parametertabelle / Tableau des paramètres / Gráfico de parâmetros

Parameter	Backup/ Restore	Setup Files			Voice Set	Voice Set Filter Group	MIDI Song		Style		Registration		Parameter Lock Group	Note
		System Setup	MIDI Setup	User Effect			File	Song Creator Setup Group	File	OTS	Memory	Memory/ Freeze Group		
<b>Panel SW</b>														
<b>Style Control</b>														
ACMP On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input type="radio"/> (On)	<input type="radio"/>	Style	-	
Section	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	-	
Synchro Start	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input type="radio"/> (On)	<input type="radio"/>	Style	-	
SIMPLE On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	-	
<b>Part On/Off</b>														
Part On/Off – Left	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Part On/Off – Main	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	-	
Part On/Off – Layer	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	-	
<b>Voice Control</b>														
DSP On/Off – Left	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
DSP On/Off – Main	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	-	
DSP On/Off – Layer	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	-	
Mono/Poly – Left	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Mono/Poly – Main	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	-	
Mono/Poly – Layer	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	-	
Keyboard Harmony On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Keyboard Harmony	-	
Left Hold On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
<b>Voice Selection display</b>														
Voice – Left	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	-	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Voice – Main	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	-	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	-	
Voice – Layer	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	-	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	-	
<b>Voice Set Editor – Left</b>														
<b>Common</b>														
Volume	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Touch Sense Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Touch Sense Offset	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Part Octave	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Mono/Poly	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Mono Type	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Portamento Time	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Portamento Time Type	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
<b>Controller</b>														
Modulation – Filter	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Modulation – Amplitude	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Modulation – LFO Pitch	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Modulation – LFO Filter	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Modulation – LFO Amplitude	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
<b>Sound</b>														
Filter – Brightness	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Filter – Harmonic Content	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
EG – Attack	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
EG – Decay	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
EG – Release	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Vibrato – Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Vibrato – Speed	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Vibrato – Delay	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
<b>Effect/EQ</b>														
Reverb Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Chorus Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
DSP On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
DSP Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Vibe Rotor	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
DSP Type	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
High Frequency	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
High Gain	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Low Frequency	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Low Gain	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	

Parameter	Backup/ Restore	Setup Files			Voice Set	Voice Set Filter Group	MIDI Song		Style		Registration		Parameter Lock Group	Note
		System Setup	MIDI Setup	User Effect			File	Song Creator Setup Group	File	OTS	Memory	Memory/ Freeze Group		
<b>Voice Set Editor – Main</b>														
<b>Common</b>														
Volume	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Touch Sense Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Touch Sense Offset	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Part Octave	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Mono/Poly	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Mono Type	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Portamento Time	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Portamento Time Type	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
<b>Controller</b>														
Center Pedal – Function	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Pedal	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Pedal	–	
Center Pedal – Function – Detail Setting	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Pedal	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Pedal	–	
Left Pedal – Function	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Pedal	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Pedal	–	
Left Pedal – Function – Detail Setting	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Pedal	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Pedal	–	
Modulation – Filter	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Modulation – Amplitude	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Modulation – LFO Pitch	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Modulation – LFO Filter	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Modulation – LFO Amplitude	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
<b>Sound</b>														
Filter – Brightness	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Filter – Harmonic Content	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
EG – Attack	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
EG – Decay	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
EG – Release	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Vibrato – Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Vibrato – Speed	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Vibrato – Delay	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
<b>Effect/EQ</b>														
Reverb Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Chorus Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
DSP On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
DSP Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Vibe Rotor	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
DSP Type	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
High Frequency	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
High Gain	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Low Frequency	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Low Gain	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
<b>Harmony</b>														
Type	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Keyboard Harmony	–	
Volume	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Keyboard Harmony	–	
Assign	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Keyboard Harmony	–	
Speed	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Keyboard Harmony	–	
Chord Note Only	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Keyboard Harmony	–	
Minimum Velocity	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Keyboard Harmony	–	
<b>Voice Set Editor – Layer</b>														
<b>Common</b>														
Volume	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Touch Sense Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Touch Sense Offset	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Part Octave	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Mono/Poly	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Mono Type	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Portamento Time	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Portamento Time Type	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	



Parameter	Backup/Restore	Setup Files			Voice Set	Voice Set Filter Group	MIDI Song		Style		Registration		Parameter Lock Group	Note
		System Setup	MIDI Setup	User Effect			File	Song Creator Setup Group	File	OTS	Memory	Memory/Freeze Group		
<b>Controller</b>														
Modulation – Filter	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Modulation – Amplitude	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Modulation – LFO Pitch	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Modulation – LFO Filter	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Modulation – LFO Amplitude	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
<b>Sound</b>														
Filter – Brightness	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Filter – Harmonic Content	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
EG – Attack	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
EG – Decay	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
EG – Release	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Vibrato – Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Vibrato – Speed	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Vibrato – Delay	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
<b>Effect/EQ</b>														
Reverb Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Chorus Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
DSP On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
DSP Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Vibe Rotor	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
DSP Type	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
High Frequency	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
High Gain	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Low Frequency	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Low Gain	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
<b>Style Selection display</b>														
Style File	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	–	
<b>Song Selection display</b>														
MIDI Song File	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	MIDI Song	–	
<b>Score/Lyrics/Text</b>														
Viewer Mode – Score/Lyrics&Text	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Viewer Mode – Lyrics/Text	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
<b>Score</b>														
Left On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Right On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Chord On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Lyrics On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Pedal On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Note On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Fingering On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Size	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Right Channel	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Left Channel	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Key Signature	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Quantize	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Note Name	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Score Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Extra On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	MIDI Song	–	
Left On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Guide Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	MIDI Song	–	
Right On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Guide Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	MIDI Song	–	
<b>Text</b>														
Text File	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Text	–	
Font	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
<b>USB Audio Player</b>														
Audio Volume	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Audio Song	–	
Repeat Mode	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Vocal Cancel	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Audio Song	–	
Time Stretch	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Audio Song	–	
Pitch Shift	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Audio Song	–	
<b>Audio Selection display</b>														
Audio Song File	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Audio Song	–	
<b>Registration Memory</b>														
Registration Memory Item	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Memorized Registration Memory number	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	–	–	

Parameter	Backup/ Restore	Setup Files			Voice Set	Voice Set Filter Group	MIDI Song		Style		Registration		Parameter Lock Group	Note
		System Setup	MIDI Setup	User Effect			File	Song Creator Setup Group	File	OTS	Memory	Memory/ Freeze Group		
<b>Registration Bank Selection display</b>														
Registration Bank File Name	○	×	×	×	×	–	×	–	×	×	×	–	–	
<b>Playlist</b>														
Playlist File	○	○	×	×	×	–	×	–	×	×	×	–	–	
<b>Tempo</b>														
Master Tempo	○	×	×	×	×	–	○	Tempo	○	×	○	Tempo	–	
<b>Transpose</b>														
Master	○	×	×	×	×	–	×	–	×	×	○	Transpose	–	
Keyboard	○	×	×	×	×	–	×	–	×	×	○	Transpose	–	
MIDI Song	○	×	×	×	×	–	×	–	×	×	○	Transpose	–	
Transpose Assign	○	○	×	×	×	–	×	–	×	×	×	–	–	
<b>Mixer</b>														
<b>Volume/Pan</b>														
<b>Panel</b>														
Panpot – Style Offset	○	×	×	×	×	–	×	–	×	×	○	Style	–	
Panpot – Left	○	×	×	×	×	–	○	Keyboard Voice	×	○	○	Style	–	
Panpot – Main	○	×	×	×	×	–	○	Keyboard Voice	×	○	○	Voice	–	
Panpot – Layer	○	×	×	×	×	–	○	Keyboard Voice	×	○	○	Voice	–	
Panpot – MIDI Song Offset	×	×	×	×	×	–	×	–	×	×	×	–	–	
Volume – Style Offset	○	×	×	×	×	–	×	–	×	×	○	Style	–	
Volume – Left	○	×	×	×	×	–	○	Keyboard Voice	×	○	○	Style	–	
Volume – Main	○	×	×	×	×	–	○	Keyboard Voice	×	○	○	Voice	–	
Volume – Layer	○	×	×	×	×	–	○	Keyboard Voice	×	○	○	Voice	–	
Volume – MIDI Song Offset	○	×	×	×	×	–	×	–	×	×	○	MIDI Song	–	
Volume – Audio Song	○	○	×	×	×	–	×	–	×	×	○	Audio Song	–	
<b>External</b>														
Panpot – Mic	○	×	×	×	×	–	○	Mic Setting	×	×	○	Mic Setting	Mic Setting	
Volume – Mic	○	×	×	×	×	–	○	Mic Setting	×	×	○	Mic Setting	Mic Setting	
Volume – AUX IN	○	○	×	×	×	–	×	–	×	×	×	–	–	
Volume – USB Audio Interface	○	○	×	×	×	–	×	–	×	×	×	–	–	
Volume – Bluetooth	○	○	×	×	×	–	×	–	×	×	×	–	–	
Volume – Wireless LAN	○	○	×	×	×	–	×	–	×	×	×	–	–	
<b>Style</b>														
Voice	○	×	×	×	×	–	×	–	○	×	○	Style	–	
Panpot	○	×	×	×	×	–	×	–	○	×	○	Style	–	
Volume	○	×	×	×	×	–	×	–	○	×	○	Style	–	
<b>Song Ch1-8/9-16</b>														
Voice	×	×	×	×	×	–	○	Voice	×	×	×	–	–	
Panpot	×	×	×	×	×	–	○	Pan	×	×	×	–	–	
Volume	×	×	×	×	×	–	○	Volume	×	×	×	–	–	
<b>Filter</b>														
<b>Panel</b>														
Harmonic Content – Left	○	×	×	×	○	Voice	○	Keyboard Voice	×	○	○	Style	–	
Harmonic Content – Main	○	×	×	×	○	Voice	○	Keyboard Voice	×	○	○	Voice	–	
Harmonic Content – Layer	○	×	×	×	○	Voice	○	Keyboard Voice	×	○	○	Voice	–	
Brightness – Left	○	×	×	×	○	Voice	○	Keyboard Voice	×	○	○	Style	–	
Brightness – Main	○	×	×	×	○	Voice	○	Keyboard Voice	×	○	○	Voice	–	
Brightness – Layer	○	×	×	×	○	Voice	○	Keyboard Voice	×	○	○	Voice	–	
<b>Style</b>														
Harmonic Content	○	×	×	×	×	–	×	–	○	×	○	Style	–	
Brightness	○	×	×	×	×	–	×	–	○	×	○	Style	–	
<b>Song Ch1-8/9-16</b>														
Harmonic Content	×	×	×	×	×	–	○	Filter	×	×	×	–	–	
Brightness	×	×	×	×	×	–	○	Filter	×	×	×	–	–	
<b>Effect</b>														
<b>Panel</b>														
Reverb Depth – Style Offset	○	×	×	×	×	–	×	–	×	×	○	Style	–	
Reverb Depth – Left	○	×	×	×	○	Effect	○	Keyboard Voice	×	○	○	Style	–	
Reverb Depth – Main	○	×	×	×	○	Effect	○	Keyboard Voice	×	○	○	Voice	–	
Reverb Depth – Layer	○	×	×	×	○	Effect	○	Keyboard Voice	×	○	○	Voice	–	
Reverb Depth – MIDI Song Offset	○	×	×	×	×	–	×	–	×	×	×	–	–	
Chorus Depth – Style Offset	○	×	×	×	×	–	×	–	×	×	○	Style	–	
Chorus Depth – Left	○	×	×	×	○	Effect	○	Keyboard Voice	×	○	○	Style	–	
Chorus Depth – Main	○	×	×	×	○	Effect	○	Keyboard Voice	×	○	○	Voice	–	
Chorus Depth – Layer	○	×	×	×	○	Effect	○	Keyboard Voice	×	○	○	Voice	–	

Parameter	Backup/Restore	Setup Files			Voice Set	Voice Set Filter Group	MIDI Song		Style		Registration		Parameter Lock Group	Note
		System Setup	MIDI Setup	User Effect			File	Song Creator Setup Group	File	OTS	Memory	Memory/Freeze Group		
Chorus Depth – MIDI Song Offset	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
DSP2-5 Depth – Left	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	–	
DSP2-5 Depth – Main	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
DSP2-5 Depth – Layer	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Effect	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
<b>External</b>														
Reverb Depth – Mic	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Mic Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Mic Setting	Mic Setting	
Chorus Depth – Mic	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Mic Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Mic Setting	Mic Setting	
DSP5 Depth – Mic	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Mic Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Mic Setting	Mic Setting	
<b>Style</b>														
Reverb Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	–	
Chorus Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	–	
DSP1 Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	–	
<b>Song Ch1-8/9-16</b>														
Reverb Depth	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Chorus Depth	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
DSP1 Depth	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
<b>EQ</b>														
<b>Panel</b>														
High Gain – Style Offset	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	–	
High Gain – Lef	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	–	
High Gain – Main	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
High Gain – Layer	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
High Gain – MIDI Song Offset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Low Gain – Style Offset	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	–	
Low Gain – Left	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	–	
Low Gain – Main	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Low Gain – Layer	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	EQ	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	–	
Low Gain – MIDI Song Offset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
<b>Style</b>														
High Gain	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	–	
Low Gain	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	–	
<b>Song Ch1-8/9-16</b>														
High Gain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	EQ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Low Gain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	EQ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
<b>Master EQ</b>														
Type	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	Master EQ	
Parameter – Q/Frequency/Gain	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	Master EQ	
<b>Compressor</b>														
On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Type	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Compression	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Texture	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Output	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
<b>Effect Type Select</b>														
Reverb	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style/MIDI Song	Reverb Type	
Chorus	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style/MIDI Song	–	
DSP1	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style/MIDI Song	–	
DSP2	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice/MIDI Song	–	
DSP3	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice/MIDI Song	–	
DSP4	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice/MIDI Song	–	
DSP5	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect/Mic Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice/MIDI Song/Mic Setting	Mic Setting	
<b>Parameter Edit</b>														
Reverb – Effect Return Level	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style/MIDI Song	Reverb Return Level	
Reverb – Parameter	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
Chorus – Effect Return Level	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style/MIDI Song	Chorus Return Level	
Chorus – Parameter	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	
DSP1 – Effect Return Level	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style/MIDI Song	DSP1 (System) Return Level	
DSP1 – Parameter	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	–	<input type="radio"/>	Effect	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	–	

Parameter	Backup/Restore	Setup Files			Voice Set	Voice Set Filter Group	MIDI Song		Style		Registration		Parameter Lock Group	Note
		System Setup	MIDI Setup	User Effect			File	Song Creator Setup Group	File	OTS	Memory	Memory/Freeze Group		
DSP2 – Parameter	○	×	×	○	×	–	○	Effect	×	×	○	Voice/MIDI Song	–	
DSP3 – Parameter	○	×	×	○	×	–	○	Effect	×	×	○	Voice/MIDI Song	–	
DSP4 – Parameter	○	×	×	○	×	–	○	Effect	×	×	○	Voice/MIDI Song	–	
DSP5 – Parameter	○	×	×	○	×	–	○	Effect/Mic Setting	×	×	○	Voice/MIDI Song/Mic Setting	Mic Setting	
<b>Mic Setting</b>														
User Setting	○	○	×	○	×	–	×	–	×	×	×	–	–	
<b>Mixer</b>														
Gain	○	○	×	×	×	–	×	–	×	×	×	–	–	
Panpot	○	×	×	×	×	–	○	Mic Setting	×	×	○	Mic Setting	Mic Setting	
Effect Depth – Reverb	○	×	×	×	×	–	○	Mic Setting	×	×	○	Mic Setting	Mic Setting	
Effect Depth – Chorus	○	×	×	×	×	–	○	Mic Setting	×	×	○	Mic Setting	Mic Setting	
Volume	○	×	×	×	×	–	○	Mic Setting	×	×	○	Mic Setting	Mic Setting	
<b>Setting</b>														
<b>Vocal</b>														
3Band EQ – EQ Low Frequency	○	×	×	○	×	–	×	–	×	×	×	–	–	
3Band EQ – EQ Low Gain	○	×	×	○	×	–	×	–	×	×	×	–	–	
3Band EQ – EQ Mid Frequency	○	×	×	○	×	–	×	–	×	×	×	–	–	
3Band EQ – EQ Mid Gain	○	×	×	○	×	–	×	–	×	×	×	–	–	
3Band EQ – EQ High Frequency	○	×	×	○	×	–	×	–	×	×	×	–	–	
3Band EQ – EQ High Gain	○	×	×	○	×	–	×	–	×	×	×	–	–	
Noise Gate – SW On/Off	○	×	×	○	×	–	×	–	×	×	×	–	–	
Noise Gate – Threshold	○	×	×	○	×	–	×	–	×	×	×	–	–	
Compressor – SW On/Off	○	×	×	○	×	–	×	–	×	×	×	–	–	
Compressor – Threshold	○	×	×	○	×	–	×	–	×	×	×	–	–	
Compressor – Ratio	○	×	×	○	×	–	×	–	×	×	×	–	–	
Compressor – Output	○	×	×	○	×	–	×	–	×	×	×	–	–	
<b>Talk</b>														
3Band EQ – EQ Low Frequency	○	×	×	○	×	–	×	–	×	×	×	–	–	
3Band EQ – EQ Low Gain	○	×	×	○	×	–	×	–	×	×	×	–	–	
3Band EQ – EQ Mid Frequency	○	×	×	○	×	–	×	–	×	×	×	–	–	
3Band EQ – EQ Mid Gain	○	×	×	○	×	–	×	–	×	×	×	–	–	
3Band EQ – EQ High Frequency	○	×	×	○	×	–	×	–	×	×	×	–	–	
3Band EQ – EQ High Gain	○	×	×	○	×	–	×	–	×	×	×	–	–	
Noise Gate – SW On/Off	○	×	×	○	×	–	×	–	×	×	×	–	–	
Noise Gate – Threshold	○	×	×	○	×	–	×	–	×	×	×	–	–	
Compressor – SW On/Off	○	×	×	○	×	–	×	–	×	×	×	–	–	
Compressor – Threshold	○	×	×	○	×	–	×	–	×	×	×	–	–	
Compressor – Ratio	○	×	×	○	×	–	×	–	×	×	×	–	–	
Compressor – Output	○	×	×	○	×	–	×	–	×	×	×	–	–	
Talk Mixing – Reduction Level	○	×	×	○	×	–	×	–	×	×	×	–	–	
Talk Mixing – Panpot	○	×	×	○	×	–	×	–	×	×	×	–	–	
Talk Mixing – Effect Depth – Reverb Depth	○	×	×	○	×	–	×	–	×	×	×	–	–	
Talk Mixing – Effect Depth – Chorus Depth	○	×	×	○	×	–	×	–	×	×	×	–	–	
Talk Mixing – Volume	○	×	×	○	×	–	×	–	×	×	×	–	–	
<b>Channel On/Off</b>														
Song	○	×	×	×	×	–	×	–	×	×	○	MIDI Song	–	
Style	○	×	×	×	×	–	×	–	○	×	○	Style	–	
<b>Piano Room</b>														
Voice	○	○	×	×	×	–	×	–	×	×	×	–	–	
Environment	○	○	×	×	×	–	×	–	×	×	×	–	–	
Lid Position	○	○	×	×	×	–	×	–	×	×	×	–	–	
Brightness	○	○	×	×	×	–	×	–	×	×	×	–	–	
Touch	○	○	×	×	×	–	×	–	×	×	×	–	–	
VRM	○	○	×	×	×	–	×	–	×	×	×	–	–	
Tune	○	○	×	×	×	–	×	–	×	×	×	–	–	

Parameter	Backup/ Restore	Setup Files			Voice Set	Voice Set Filter Group	MIDI Song		Style		Registration		Parameter Lock Group	Note
		System Setup	MIDI Setup	User Effect			File	Song Creator Setup Group	File	OTS	Memory	Memory/ Freeze Group		
<b>Menu</b>														
<b>Split Point/Chord Fingering</b>														
<b>Split Point</b>														
Manual Bass	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Style	-	
Chord Detection Area	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Style	Fingering Type	
Split Point – Style	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="radio"/>	Guide Setting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Style	Split Point	
Split Point – Left	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Style	Split Point	
<b>Chord Fingering</b>														
Fingering Type	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Style	Fingering Type	
Key Signature	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Style	-	
Type	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Style	-	
<b>Keyboard Harmony</b>														
Type	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	-	
Volume	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	-	
Assign	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	-	
Speed	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	-	
Chord Note Only	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	-	
Minimum Velocity	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Harmony	-	
<b>Regist Sequence/Freeze</b>														
<b>Registration Sequence</b>														
Sequence Data	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	-	-	One sequence data per Regist Bank file
Sequence On/Off	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	
Sequence End	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	-	-	One sequence data per Regist Bank file
Pedal – Prev.	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	
Pedal – Next	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	
<b>Freeze</b>														
Freeze Item	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	
<b>Controller</b>														
<b>Pedal</b>														
Aux – Function	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Pedal	-	
Aux – Detail Setting	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Pedal	-	
Right – Function	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Pedal	-	
Right – Detail Setting	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Pedal	-	
Center – Function	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Pedal	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Pedal	-	
Center – Detail Setting	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Pedal	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Pedal	-	
Left – Function	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Pedal	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Pedal	-	
Left – Detail Setting	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Pedal	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Pedal	-	
<b>Setting</b>														
Initial Touch – Part On/Off	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Voice	-	
Initial Touch – Touch	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	
Initial Touch – Touch Off Level	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Voice	-	
Pitch Bend Range – Left	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	-	
Pitch Bend Range – Main	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	-	
Pitch Bend Range – Layer	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="radio"/>	Keyboard Voice	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	-	
Switch With Main Voice	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	
Aux Pedal Polarity	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	
<b>Master Tune/Scale Tune</b>														
<b>Master Tune</b>														
Master Tune	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	
<b>Scale Tune</b>														
Type	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Scale Tune	-	
Base Note	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Scale Tune	-	
Tune	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Scale Tune	-	
Part Select	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Scale Tune	-	

Parameter	Backup/Restore	Setup Files			Voice Set	Voice Set Filter Group	MIDI Song		Style		Registration		Parameter Lock Group	Note
		System Setup	MIDI Setup	User Effect			File	Song Creator Setup Group	File	OTS	Memory	Memory/Freeze Group		
<b>Voice Setting</b>														
<b>Piano</b>														
VRM On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Damper Resonance Depth	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
String Resonance Depth	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Reverb Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="checkbox"/>	
Chorus Depth	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="checkbox"/>	
Key Off Sampling	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Tune</b>														
Tuning – Left	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	<input type="checkbox"/>	
Tuning – Main	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	<input type="checkbox"/>	
Tuning – Layer	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	<input type="checkbox"/>	
Octave – Left	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	<input type="checkbox"/>	
Octave – Main	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	<input type="checkbox"/>	
Octave – Layer	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	<input type="checkbox"/>	
Portamento Time – Left	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	<input type="checkbox"/>	
Portamento Time – Main	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	<input type="checkbox"/>	
Portamento Time – Layer	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Voice	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Voice	<input type="checkbox"/>	
<b>Voice Set Filter</b>														
Voice On/Off – Left	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Voice On/Off – Main	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Voice On/Off – Layer	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Effect On/Off – Left	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Effect On/Off – Main	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Effect On/Off – Layer	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EQ On/Off – Left	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EQ On/Off – Main	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EQ On/Off – Layer	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Keyboard Harmony On/Off – Main	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pedal On/Off – Main	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Style Setting</b>														
<b>Setting1</b>														
Unison – On/Off	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unison – Type	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	<input type="checkbox"/>	
Accent Threshold	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	<input type="checkbox"/>	
Auto Fill-In	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Style Change Behavior – Section Set	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Style Change Behavior – Tempo	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Style Change Behavior – Part On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Setting2</b>														
OTS Link Timing	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Intro/Ending Set	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Synchro Stop	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	<input type="checkbox"/>	
ACMP On/Off Default	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Synchro Stop Timing	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	<input type="checkbox"/>	
Stop ACMP	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	Style	<input type="checkbox"/>	
<b>Adaptive</b>														
Adaptive – On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adaptive – Sensitivity	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adaptive – Auto Section Change	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Song Setting</b>														
<b>Play</b>														
Repeat Mode	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fast Forward Type	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Style Synchro Stop	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	MIDI Song	<input type="checkbox"/>	
Chord Detection Priority	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Quick Start	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Phrase Mark Repeat	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Setting</b>														
Part Channel – Left	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Part Channel – Right	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Part Channel – Auto ch Set	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Guide Mode	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Guide Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lyrics Language	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Lyrics Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Parameter	Backup/ Restore	Setup Files			Voice Set	Voice Set Filter Group	MIDI Song		Style		Registration		Parameter Lock Group	Note
		System Setup	MIDI Setup	User Effect			File	Song Creator Setup Group	File	OTS	Memory	Memory/ Freeze Group		
<b>Metronome Setting</b>														
Metronome – Volume	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metronome – Sound	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metronome – Time Signature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tap Tempo – Volume	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	<input type="checkbox"/>	
Tap Tempo – Sound	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	Keyboard Voice	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Style	<input type="checkbox"/>	
<b>Style Creator</b>														
<b>Basic</b>														
Pattern Length	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tempo	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Time Signature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Drum Setup	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Parameter</b>														
Play/Source Root	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Play/Source Chord	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NTR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NTT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NTT BASS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
High Key	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Note Limit Low	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Note Limit High	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RTR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Song Creator</b>														
<b>Setup</b>														
Setup Item	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Utility</b>														
<b>Configuration1</b>														
Speaker	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AUX In Noise Gate	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Audio Loopback	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stereophonic Optimizer	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cannot be reset with Factory Reset.
I.A.C. On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I.A.C. Depth	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Configuration2</b>														
Style Tempo	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Voice Number	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Time Stamp	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Voice Category Button Options	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pop-up Display Time	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Parameter Lock</b>														
Parameter Lock Item	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>MIDI</b>														
Template Selection	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Template Name	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>MIDI Edit – System</b>														
Local Control	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Clock	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Transmit Clock	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Receive Transpose	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Receive Start/Stop	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
System Exclusive Message Transmit	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
System Exclusive Message Receive	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chord System Exclusive Message Transmit	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chord System Exclusive Message Receive	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>MIDI Edit – Transmit</b>														
Channel	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Filter – Note/CC/PC/PB/AT	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>MIDI Edit – Receive</b>														
Part	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Filter – Note/CC/PC/PB/AT	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Parameter	Backup/Restore	Setup Files			Voice Set	Voice Set Filter Group	MIDI Song		Style		Registration		Parameter Lock Group	Note
		System Setup	MIDI Setup	User Effect			File	Song Creator Setup Group	File	OTS	Memory	Memory/Freeze Group		
<b>MIDI Edit – Bass</b>														
On Bass Note	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>MIDI Edit – Chord Detect</b>														
Chord Detect	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>System</b>														
<b>Common</b>														
Auto Power Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Language	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cannot be reset by System Reset.
Owner Name	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cannot be reset by System Reset.
<b>Wireless LAN*1</b>														
Wireless LAN Mode	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Infrastructure Mode</b>														
SSID	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Security	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Password	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DHCP On/Off	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IP Address	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Subnet Mask	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Gateway	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DNS Server1	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DNS Server2	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Host Name	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This can also be set in the Access Point Mode.
Time Zone	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Daylight Saving Time	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Access Point Mode</b>														
SSID	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Security	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Password	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Channel	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DHCP Server	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IP Address	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Subnet Mask	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Host Name	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This can also be set in the Infrastructure Mode.
<b>Bluetooth*2</b>														
Bluetooth On/Off	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Pedal function related parameters</b>														
Fade In Time	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	These parameters can be set by either of these operations: • Menu > Controller > Pedal > Aux/Right/Center/Left – Detail Setting • Voice Selection display > Voice Set – Main > Controller > Center/Left Pedal – Function – Detail Setting
Fade Out Time	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fade Out Hold Time	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

\*1 The USB wireless LAN adaptor (sold separately) may not be available depending on your area.  
\*2 Depending on the country in which you purchased the instrument, Bluetooth may not be available.



# MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI

Many MIDI messages listed in the MIDI Data Format are expressed in decimal numbers, binary numbers and hexadecimal numbers. Hexadecimal numbers may include the letter "H" as a suffix.

Also, "n" can freely be defined as any whole number. To enter data/values, refer to the table below.

Decimal	Hexadecimal	Binary	Decimal	Hexadecimal	Binary	Decimal	Hexadecimal	Binary	Decimal	Hexadecimal	Binary
0	00	0000 0000	32	20	0010 0000	64	40	0100 0000	96	60	0110 0000
1	01	0000 0001	33	21	0010 0001	65	41	0100 0001	97	61	0110 0001
2	02	0000 0010	34	22	0010 0010	66	42	0100 0010	98	62	0110 0010
3	03	0000 0011	35	23	0010 0011	67	43	0100 0011	99	63	0110 0011
4	04	0000 0100	36	24	0010 0100	68	44	0100 0100	100	64	0110 0100
5	05	0000 0101	37	25	0010 0101	69	45	0100 0101	101	65	0110 0101
6	06	0000 0110	38	26	0010 0110	70	46	0100 0110	102	66	0110 0110
7	07	0000 0111	39	27	0010 0111	71	47	0100 0111	103	67	0110 0111
8	08	0000 1000	40	28	0010 1000	72	48	0100 1000	104	68	0110 1000
9	09	0000 1001	41	29	0010 1001	73	49	0100 1001	105	69	0110 1001
10	0A	0000 1010	42	2A	0010 1010	74	4A	0100 1010	106	6A	0110 1010
11	0B	0000 1011	43	2B	0010 1011	75	4B	0100 1011	107	6B	0110 1011
12	0C	0000 1100	44	2C	0010 1100	76	4C	0100 1100	108	6C	0110 1100
13	0D	0000 1101	45	2D	0010 1101	77	4D	0100 1101	109	6D	0110 1101
14	0E	0000 1110	46	2E	0010 1110	78	4E	0100 1110	110	6E	0110 1110
15	0F	0000 1111	47	2F	0010 1111	79	4F	0100 1111	111	6F	0110 1111
16	10	0001 0000	48	30	0011 0000	80	50	0101 0000	112	70	0111 0000
17	11	0001 0001	49	31	0011 0001	81	51	0101 0001	113	71	0111 0001
18	12	0001 0010	50	32	0011 0010	82	52	0101 0010	114	72	0111 0010
19	13	0001 0011	51	33	0011 0011	83	53	0101 0011	115	73	0111 0011
20	14	0001 0100	52	34	0011 0100	84	54	0101 0100	116	74	0111 0100
21	15	0001 0101	53	35	0011 0101	85	55	0101 0101	117	75	0111 0101
22	16	0001 0110	54	36	0011 0110	86	56	0101 0110	118	76	0111 0110
23	17	0001 0111	55	37	0011 0111	87	57	0101 0111	119	77	0111 0111
24	18	0001 1000	56	38	0011 1000	88	58	0101 1000	120	78	0111 1000
25	19	0001 1001	57	39	0011 1001	89	59	0101 1001	121	79	0111 1001
26	1A	0001 1010	58	3A	0011 1010	90	5A	0101 1010	122	7A	0111 1010
27	1B	0001 1011	59	3B	0011 1011	91	5B	0101 1011	123	7B	0111 1011
28	1C	0001 1100	60	3C	0011 1100	92	5C	0101 1100	124	7C	0111 1100
29	1D	0001 1101	61	3D	0011 1101	93	5D	0101 1101	125	7D	0111 1101
30	1E	0001 1110	62	3E	0011 1110	94	5E	0101 1110	126	7E	0111 1110
31	1F	0001 1111	63	3F	0011 1111	95	5F	0101 1111	127	7F	0111 1111

- Except the table above, for example 144-159 (decimal)/9nH/1001 0000-1001 1111 (binary) denotes the Note On Message for each channel (1-16). 176-191/BnH/1011 0000-1011 1111 denotes the Control Change Message for each channel (1-16). 192-207/CnH/1100 0000-1100 1111 denotes the Program Change Message for each channel (1-16). 240/FOH/1111 0000 denotes the start of a System Exclusive Message. 247/F7H/1111 0111 denotes the end of a System Exclusive Message.
- aaH (hexadecimal)/0aaaaaaa (binary) denotes the data address. The address contains High, Mid, and Low.
- bbH/0bbbbbbb denotes the byte count.
- ccH/0ccccccc denotes the check sum.
- ddH/0ddddddd denotes the data/value.

# MIDI CHANNEL MESSAGE (1)

MIDI Events	[MIDI]																	[Internal Sequencer]	
	Status byte	1st Data byte		2nd Data byte		Voice		MIDI Reception				MIDI Transmission				PLAY		REC	
	Status	Data (Hex)	Parameter	Data (Hex)	Parameter	Regular/ Drum/ Natural	Mic	Song	Main/ Layer/ Left	Keyboard	Style	Extra	Main/ Layer/ Left	Style	Song	Upper Lower	PLAY	REW	From panel (Main/ Layer/ Left)
Key Off [GM1] [GM2]	8nH (n: Channel Number)	kk	Key no. (0-127)	vv	Velocity (0-127)	○	×	○	○	○	○	○	×	×	○	×	○	×	○
Key On [GM1] [GM2]	9nH (n: Channel Number)	kk	Key no. (0-127)	vv	Key On: vv=1-127 Key Off: vv=0	○	×	○	○	○	○	○	●	○	○	●	○	×	○
Control Change	BnH	0 (00H)	Bank Select MSB [GM2]	0 (00H) 0 (00H) 8 (08H) 8 (08H) 64 (40H) 104 (68H) 104 (68H) 118 (76H) 119 (77H) 120 (78H) 121 (79H) 126 (7EH) 127 (7FH)	Normal S.Articulation Voice MegaVoice S.Articulation Voice SFX Voice Normal S.Articulation Voice GS Rhythm GS Normal GM2 Rhythm GM2 Normal SFX kit Drum kit	○	×	○	○	○ (Main)	○	○	●	●	●	×	○	○	○
		1 (01H)	Modulation [GM1] [GM2]	0-127 (00H...7FH)	Data	○	×	○	○	○ (All keyboard parts)	○	○	●	○	○	●	○	○	○
		5 (05H)	Portamento Time [GM2]	0-127 (00H...7FH)	Data	○	×	○	○	○ (All keyboard parts)	×	○	●	×	○	×	○	○	○
		6 (06H)	Data Entry MSB [GM2]	0-127 (00H...7FH)	Data	○	×	○	○	○ (All keyboard parts)	○	○	●	○	○	×	○	×	○
		7 (07H)	Main Volume [GM1] [GM2]	0-127 (00H...7FH)	Data	○	○ (A/D Part Receive Channel)	○	○	○ (All keyboard parts)	○	○	●	●	●	×	○	○	○
		10 (0AH)	Panpot [GM1] [GM2]	0-127 (00H...7FH)	L64...C...R63	○	○ (A/D Part Receive Channel)	○	○	○ (All keyboard parts)	○	○	●	●	●	×	○	○	○
		11 (0BH)	Expression [GM1] [GM2]	0-127 (00H...7FH)	Data	○	×	○	○	○ (All keyboard parts)	○	○	●	●	●	●	○	○	○
		16 (10H)	General Purpose Controller	0-127 (00H...7FH)	Data	○	×	○	○	○ (All keyboard parts)	×	○	×	×	○	●	○	○	×
		32 (20H)	Bank Select LSB [GM2]	0-127 (00H...7FH)	Data	○	×	○	○	○ (Main)	○	○	●	●	●	×	○	○	○
		38 (26H)	Data Entry LSB [GM2]	0-127 (00H...7FH)	Data	○	×	○	○	○ (All keyboard parts)	○	○	●	×	○	×	○	×	○
		64 (40H)	Sustain (Damper) [GM1] [GM2]	0-127 (00H...7FH)	Data	○	×	○	○	○ (All keyboard parts)	×	○	●	×	○	●	○	○	○
		65 (41H)	Portamento [GM2]	0-127 (00H...7FH)	0...63, 64...127 (OFF, ON)	○	×	○	○	○ (All keyboard parts)	×	○	●	×	○	●	○	○	○
		66 (42H)	Sostenuto [GM2]	0-127 (00H...7FH)	0...63, 64...127 (OFF, ON)	○	×	○	○	○ (All keyboard parts)	×	○	●	×	○	●	○	○	○
		67 (43H)	Soft Pedal [GM2]	0-127 (00H...7FH)	0...63, 64...127 (OFF, ON)	○	×	○	○	○ (All keyboard parts)	×	○	●	×	○	●	○	○	○
		71 (47H)	Harmonic Content [GM2]	0-127 (00H...7FH)	-64...0...+63	○	×	○	○	○ (All keyboard parts)	○	○	●	●	●	×	○	○	○
		72 (48H)	Release Time [GM2]	0-127 (00H...7FH)	-64...0...+63	○	×	○	○	○ (All keyboard parts)	○	○	●	○	○	×	○	○	○
		73 (49H)	Attack Time [GM2]	0-127 (00H...7FH)	-64...0...+63	○	×	○	○	○ (All keyboard parts)	○	○	●	○	○	×	○	○	○
		74 (4AH)	Brightness [GM2]	0-127 (00H...7FH)	-64...0...+63	○	×	○	○	○ (All keyboard parts)	○	○	●	●	●	×	○	○	○
		75 (4BH)	Decay Time [GM2]	0-127 (00H...7FH)	-64...0...+63	○	×	○	○	○ (All keyboard parts)	○	○	×	×	○	×	○	○	×
		76 (4CH)	Vibrato Rate [GM2]	0-127 (00H...7FH)	-64...0...+63	○	×	○	○	○ (All keyboard parts)	○	○	×	×	○	×	○	○	×
		77 (4DH)	Vibrato Depth [GM2]	0-127 (00H...7FH)	-64...0...+63	○	×	○	○	○ (All keyboard parts)	○	○	×	×	○	×	○	○	×
		78 (4EH)	Vibrato Delay [GM2]	0-127 (00H...7FH)	-64...0...+63	○	×	○	○	○ (All keyboard parts)	○	○	×	×	○	×	○	○	×
		80 (50H)	General Purpose Controller (Articulation 1)	0-127 (00H...7FH)	0: OFF 127: ON	○	×	○	×	×	×	×	×	○	○	×	○	○	○
		81 (51H)	General Purpose Controller (Articulation 2)	0-127 (00H...7FH)	0: OFF 127: ON	○	×	○	×	×	×	×	×	○	○	×	○	○	○
		82 (52H)	General Purpose Controller (Articulation 3)	0-127 (00H...7FH)	0: OFF 127: ON	×	×	○	×	×	×	×	×	○	○	×	×	×	×
		84 (54H)	Portamento Control	0-127 (00H...7FH)	Key no. (0-127)	○	×	○	○	×	○	○	○	○	○	×	○	×	○
		91 (5BH)	Effect1 Depth (Reverb Send Level) [GM2]	0-127 (00H...7FH)	Data	○	○ (A/D Part Receive Channel)	○	○	○ (All keyboard parts)	○	○	●	●	●	×	○	○	○
		93 (5DH)	Effect3 Depth (Chorus Send Level) [GM2]	0-127 (00H...7FH)	Data	○	○ (A/D Part Receive Channel)	○	○	○ (All keyboard parts)	○	○	●	●	●	×	○	○	○
		94 (5EH)	Effect4 Depth (Variation Send Level)	0-127 (00H...7FH)	Data	○	×	○	○	○ (All keyboard parts)	○	○	×	●	●	×	○	○	×
		96 (60H)	RPN Increment	— —	The data byte is ignored.	○	×	○	○	×	○	○	×	×	○	×	○	×	×
		97 (61H)	RPN Decrement	— —	The data byte is ignored.	○	×	○	○	×	○	○	×	×	○	×	○	×	×
		98 (62H)	NRPN LSB	0-127 (00H...7FH)	Data	○	×	○	○	×	○	○	●	○	○	×	○	○	○
		99 (63H)	NRPN MSB	0-127 (00H...7FH)	Data	○	×	○	○	×	○	○	●	○	○	×	○	○	○
		100 (64H)	RPN LSB [GM2]	0-127 (00H...7FH)	Data	○	×	○	○	○ (All keyboard parts)	○	○	●	○	○	×	○	○	○
		101 (65H)	RPN MSB [GM2]	0-127 (00H...7FH)	Data	○	×	○	○	○ (All keyboard parts)	○	○	●	○	○	×	○	○	○

MIDI Events	Status byte	[MIDI]										[Internal Sequencer]								
		1st Data byte		2nd Data byte		Voice		MIDI Reception				MIDI Transmission			PLAY		REC			
		Status	Data (Hex)	Parameter	Data (Hex)	Parameter	Regular/Drum/Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower	PLAY	REW	From panel (Main/Layer/Left)
Mode Message	BnH (n: Channel Number)	120 (78H)	All Sound Off [GM2]	0 (00H)	Data	○	×	○	○	○ (All keyboard parts (*1))	○	○	×	×	○	×	○	×	×	×
		121 (79H)	Reset All Controllers [GM1] [GM2]	0 (00H)	Data	○	×	○	×	×	×	×	×	×	○	×	○	×	×	×
		122 (7AH)	Local Control	0 (00H) 127 (7FH)	OFF ON	—	—	○	○	○	○	○	○	×	×	×	×	×	×	×
		123 (7BH)	All Note Off [GM1] [GM2]	0 (00H)	Data	○	×	○	○	○ (All keyboard parts)	○	○	×	×	○	×	○	×	×	×
		124 (7CH)	Omni Off [GM2]	0 (00H)	Data	○	×	○ (*1)	×	×	×	×	×	×	○	×	○	×	×	×
		125 (7DH)	Omni On [GM2]	0 (00H)	Data	○	×	○ (*2)	×	×	×	×	×	×	○	×	○	×	×	×
		126 (7EH)	Mono [GM2]	0-16 (00H..10H)	Data	○	×	○	×	×	×	×	×	×	○	×	○	×	×	×
		127 (7FH)	Poly [GM2]	0 (00H)	Data	○	×	○	×	×	×	×	×	×	○	×	○	×	×	×
Program Change [GM1] [GM2]	CnH (n: Channel Number)	pp (00H..7FH)	Voice no. (0-127)	—	—	○	×	○	○	○ (Main)	○	○	●	●	●	×	○	○	○	
Channel After Touch [GM1] [GM2]	DnH (n: Channel Number)	vv (00H..7FH)	Data	—	—	○	×	○	○	○ (All keyboard parts)	×	○	×	×	○	×	○	×	○	
Polyphonic After Touch	AnH (n: Channel Number)	kk (00H..7FH)	Key no. (0-127)	vv (00H..7FH)	Data	○	×	○	×	×	×	×	×	○	×	○	×	×		
Pitch Bend Change [GM1] [GM2]	EnH (n: Channel Number)	cc (00H..7FH)	LSB	dd (00H..7FH)	MSB	○	×	○	○	○ (All keyboard parts)	○	○	●	○	○	●	○	○	○	
Realtime Message	F8H MIDI Clock	—	—	—	—	—	—	○	○	○ (Received when the Clock is set to USB1, USB2, or Wireless LAN.)	○	○	○	○	○	○	○	○	○	
	FAH Start	—	—	—	—	—	—	○	○	○ (Received when the Clock is set to USB1, USB2, or Wireless LAN.)	○	○	○	○	○	○	○	○	○	
	FBH Continue	—	—	—	—	—	—	×	×	×	×	×	×	×	×	×	×	×		
	FCH Stop	—	—	—	—	—	—	○	○	○ (Received when the Clock is set to USB1, USB2, or Wireless LAN.)	○	○	○	○	○	○	○	○	○	
	FEH Active Sense [GM2]	—	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	
	FFH System Reset	—	—	—	—	—	—	—	×	×	×	×	×	×	×	×	×	×	×	

●: Transmitted via panel operations and keyboard/controller performances.  
○: Available

About Mic column:  
(A/D Part Receive Channel): The relevant parameters are received by the Song part designated by the Rcv CHANNEL of the A/D PART parameters in the XG format.

\*1: Same operation as when receiving All Note Off.  
\*2: Same operation as when receiving All Note Off. OMNI ON is not enabled.  
[GM1] ... GM Required Parameter  
[GM2] ... GM Level2 Required Parameter

# MIDI CHANNEL MESSAGE (2)

## NRPN (Non Registered Parameter Number)

NRPN		Data Entry		Parameter	Data Range	[MIDI]										[Internal Sequencer]			
MSB	LSB	MSB	LSB			Voice		MIDI Reception				MIDI Transmission				PLAY	REW	From panel (Main/Layer/Left)	
						Regular/Drum/Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower			
01H	08H	mmH	-	Vibrato Rate	mm: 00H-40H-7FH (-64...0...+63)	○	×	○	○	×	○	○	●	○	○	×	○	○	○
01H	09H	mmH	-	Vibrato Depth	mm: 00H-40H-7FH (-64...0...+63)	○	×	○	○	×	○	○	●	○	○	×	○	○	○
01H	0AH	mmH	-	Vibrato Delay	mm: 00H-40H-7FH (-64...0...+63)	○	×	○	○	×	○	○	●	○	○	×	○	○	○
01H	20H	mmH	-	Low Pass Filter Cutoff Frequency	mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	○	×	×	×	○	×	○	○	×
01H	21H	mmH	-	Low Pass Filter Resonance	mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	○	×	×	×	○	×	○	○	×
01H	30H	mmH	-	EQ Bass Gain	mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	○	×	×	×	○	×	○	○	×
01H	31H	mmH	-	EQ Treble Gain	mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	○	×	×	×	○	×	○	○	×
01H	34H	mmH	-	EQ Bass Frequency	mm: 04H-28H (32..2.0k [Hz])	○	×	○	×	×	×	×	×	×	○	×	○	○	×
01H	35H	mmH	-	EQ Treble Frequency	mm: 1CH-3AH (500...16.0k [Hz])	○	×	○	×	×	×	×	×	×	○	×	○	○	×
01H	63H	mmH	-	EG Attack Time	mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	○	×	×	×	○	×	○	○	×
01H	64H	mmH	-	EG Decay Time	mm: 00H-40H-7FH (-64...0...+63)	○	×	○	○	×	○	○	●	○	○	×	○	○	○
01H	66H	mmH	-	EG Release	mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	○	×	×	×	○	×	○	○	×
14H	rrH	mmH	-	Drum Low Pass Filter Cutoff Frequency	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
15H	rrH	mmH	-	Drum Low Pass Filter Resonance	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
16H	rrH	mmH	-	Drum EG Attack Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
17H	rrH	mmH	-	Drum EG Decay Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
18H	rrH	mmH	-	Drum Pitch Coarse	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
19H	rrH	mmH	-	Drum Pitch Fine	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
1AH	rrH	mmH	-	Drum Level	rr: drum instrument note number mm: 00H-7FH (0...127)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
1CH	rrH	mmH	-	Drum Pan	rr: drum instrument note number mm: 00H, 01H-04H-7FH (RND, L63...C...R63)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
1DH	rrH	mmH	-	Drum Reverb Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
1EH	rrH	mmH	-	Drum Chorus Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
1FH	rrH	mmH	-	Drum Variation Send Level	rr: drum instrument note number mm: 00H-7FH (0...127) (Variation Connection = SYSTEM) mm: 00H, 01H-7FH (OFF, ON) (Variation Connection = INSERTION)	○	×	○	×	×	×	×	×	○	○	×	○	×	×
30H	rrH	mmH	-	Drum EQ Bass Gain	rr: drum instrument note number mm: 00H-7FH (0...127)	×	×	×	×	×	×	×	×	×	○	×	×	×	×
31H	rrH	mmH	-	Drum EQ Treble Gain	rr: drum instrument note number mm: 00H-7FH (0...127)	×	×	×	×	×	×	×	×	×	○	×	×	×	×
34H	rrH	mmH	-	Drum EQ Bass Frequency	rr: drum instrument note number mm: 04H-28H (32..2.0k [Hz])	×	×	×	×	×	×	×	×	×	○	×	×	×	×
35H	rrH	mmH	-	Drum EQ Treble Frequency	rr: drum instrument note number mm: 1CH-3AH (500...16.0k [Hz])	×	×	×	×	×	×	×	×	×	○	×	×	×	×

●: Transmitted via panel operations and keyboard/controller performances.  
○: Available

NRPN MSB: 14H-35H (for drums) message is accepted as long as the channel is set with a Drum Voice.  
Data Entry LSB: Ignored.

## RPN (Registered Parameter Number)

NRPN		Data Entry		Parameter	Data Range	[MIDI]										[Internal Sequencer]			
MSB	LSB	MSB	LSB			Voice		MIDI Reception				MIDI Transmission				PLAY	REW	From panel (Main/Layer/Left)	
						Regular/Drum/Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower			
00H	00H	mmH	-	Pitch Bend Sensitivity [GM1] [GM2]	mm: 00H-18H (0...+24 [semitones])	○	×	○	○	○	○	○	●	○	○	×	○	○	○
00H	01H	mmH	IIH	Fine Tune [GM1] [GM2]	mm II: 00H 00H -100 [cent] ... mm II: 40H 00H 0 [cent] ... mm II: 7FH 7FH 100 [cent]	○	×	○	○	○	○	○	●	○	○	×	○	○	○
00H	02H	mmH	-	Coarse Tune [GM1] [GM2]	mm: 28H-40H-58H (-24...0...+24 [semitones])	○	×	○	○	○	○	○	×	○	○	×	○	○	×
00H	05H	mmH	IIH	Modulation Sensitivity [GM2]	mm: Specified in semitone steps II: Specified in 100/128 cent steps	○	×	○	×	×	×	×	×	×	○	×	○	×	×
7FH	7FH	-	-	Null [GM2]	-	○	○	○	○	○	○	○	×	○	○	×	○	×	×

●: Transmitted via panel operations and keyboard/controller performances.  
○: Available

[GM1] ... GM Required Parameter  
[GM2] ... GM Level2 Required Parameter

# XG PARAMETER CHANGE TABLE

- Not received when the MIDI setting "System Exclusive Message - Receive" is set to off.
- Not transmitted when the MIDI setting "System Exclusive Message - Transmit" is set to off.

## MIDI Parameter Change Table (XG SYSTEM)

										[MIDI]				[Internal Sequencer]					
Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice		MIDI Reception				MIDI Transmission				PLAY		REC	
						Regular/Drum/Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower	PLAY	REW	From panel (Main/Layer/Left)
00	00	00 01 02 03	4	00-0F MASTER TUNE	-102.4...0...+102.3 [cent] 1st bit 3-0 → bit 15-12 2nd bit 3-0 → bit 11-8 3rd bit 3-0 → bit 7-4 4th bit 3-0 → bit 3-0	* Panel setting value	○	○	○				●				○	×	×
		04	1	00-7F MASTER VOLUME	0...127	7F	○	×	○ (Available only for Song parts and Extra parts)				○				○	○	×
		05	1	00-7F MASTER ATTENUATOR	0...127	00	×	×	×				○				×	×	×
		06	1	28-58 TRANSPOSE	-24...0...+24 [semitones]	40	○	○	○ (Available only for Song parts and Extra parts)				○				○	○	×
		7D	1	N DRUM SETUP RESET	N: Drum setup number	—	○	×	○ (Available only for Song parts and Extra parts)				○				○	×	×
		7E	1	00 XG SYSTEM ON	00=XG system ON	—	○	×	○ (Available only for Song parts and Extra parts)				○				○	×	○
		7F	1	00 ALL PARAMETER RESET	00=ON	—	○	×	○ (Available only for Song parts and Extra parts)				○				○	×	×

TOTAL SIZE 07

- : Transmitted via panel operations and keyboard/controller performances.
- : Available

## MIDI Parameter Change Table (SYSTEM INFORMATION)

										[MIDI]				[Internal Sequencer]					
Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice		MIDI Reception				MIDI Transmission				PLAY		REC	
						Regular/Drum/Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower	PLAY	REW	From panel (Main/Layer/Left)
01	00	00 ... 0D 0E 0F	E	20-7F Model Name 1 ... 20-7F Model Name 14 NOT USED NOT USED	32...127 (ASCII CHARACTER) ... 32...127 (ASCII CHARACTER)	—	—	—				○ (Available only when receiving requests via MIDI)				—	—	—	

TOTAL SIZE 10

Transmitted in response to Dump Request. Not received.

## MIDI Parameter Change Table (EFFECT1)

										[MIDI]				[Internal Sequencer]					
Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice		MIDI Reception				MIDI Transmission				PLAY		REC	
						Regular/Drum/Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower	PLAY	REW	From panel (Main/Layer/Left)
02	01	00	2	00-7F REVERB TYPE MSB 00-7F REVERB TYPE LSB	Refer to Effect Parameter List Refer to Effect Parameter List	01 (-HALL1) 00	○	○	○				●				○	○	○
		02	1	00-7F REVERB PARAMETER 1	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
		03	1	00-7F REVERB PARAMETER 2	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
		04	1	00-7F REVERB PARAMETER 3	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
		05	1	00-7F REVERB PARAMETER 4	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
		06	1	00-7F REVERB PARAMETER 5	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
		07	1	00-7F REVERB PARAMETER 6	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
		08	1	00-7F REVERB PARAMETER 7	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
		09	1	00-7F REVERB PARAMETER 8	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
		0A	1	00-7F REVERB PARAMETER 9	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
		0B	1	00-7F REVERB PARAMETER 10	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
		0C	1	00-7F REVERB RETURN	→dB...0dB...-6dB (0...64...127)	40	○	○	○				●				○	○	○
		0D	1	01-7F REVERB PAN	L63...C...R63	40	○	○	○				○				○	○	×

TOTAL SIZE 0E

		02	01	10	1	00-7F REVERB PARAMETER 11	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
				11	1	00-7F REVERB PARAMETER 12	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
				12	1	00-7F REVERB PARAMETER 13	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
				13	1	00-7F REVERB PARAMETER 14	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
				14	1	00-7F REVERB PARAMETER 15	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○
				15	1	00-7F REVERB PARAMETER 16	Refer to Effect Parameter List	Depends on Reverb Type	○	○	○				●				○	○	○

TOTAL SIZE 06

[MIDI]													[Internal Sequencer]						
Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice			MIDI Reception				MIDI Transmission				PLAY		REC
						Regular/Drum/Natural	Mic		Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower	PLAY	REW
02	01	20	2	00-7F 00-7F	CHORUS TYPE MSB CHORUS TYPE LSB	Refer to Effect Parameter List Refer to Effect Parameter List	41 (-CHORUS1) 00	○	○		○				●		○	○	○
		22	1	00-7F	CHORUS PARAMETER 1	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		23	1	00-7F	CHORUS PARAMETER 2	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		24	1	00-7F	CHORUS PARAMETER 3	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		25	1	00-7F	CHORUS PARAMETER 4	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		26	1	00-7F	CHORUS PARAMETER 5	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		27	1	00-7F	CHORUS PARAMETER 6	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		28	1	00-7F	CHORUS PARAMETER 7	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		29	1	00-7F	CHORUS PARAMETER 8	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		2A	1	00-7F	CHORUS PARAMETER 9	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		2B	1	00-7F	CHORUS PARAMETER 10	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		2C	1	00-7F	CHORUS RETURN	-->dB...0dB...+6dB (0...64...127)	40	○	○		○				●		○	○	○
		2D	1	01-7F	CHORUS PAN	L63...C...R63	40	○	○		○				○		○	○	×
		2E	1	00-7F	SEND CHORUS TO REVERB	-->dB...0dB...+6dB (0...64...127)	00	○	○		○				○		○	○	×

TOTAL SIZE 0F

02	01	30	1	00-7F	CHORUS PARAMETER 11	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		31	1	00-7F	CHORUS PARAMETER 12	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		32	1	00-7F	CHORUS PARAMETER 13	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		33	1	00-7F	CHORUS PARAMETER 14	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		34	1	00-7F	CHORUS PARAMETER 15	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○
		35	1	00-7F	CHORUS PARAMETER 16	Refer to Effect Parameter List	Depends on Chorus Type	○	○		○				●		○	○	○

TOTAL SIZE 06

[MIDI]													[Internal Sequencer]						
Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice			MIDI Reception				MIDI Transmission				PLAY		REC
						Regular/Drum/Natural	Mic		Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower	PLAY	REW
02	01	40	2	00-7F 00-7F	VARIATION TYPE MSB VARIATION TYPE LSB	Refer to Effect Parameter List	05 (-DELAY L C, R) 00	○	○		○				●		○	○	○
		42	2	00-7F 00-7F	VARIATION PARAMETER 1 MSB VARIATION PARAMETER 1 LSB	Refer to Effect Parameter List	Depends on Variation Type	○	○		○				●		○	○	○
		44	2	00-7F 00-7F	VARIATION PARAMETER 2 MSB VARIATION PARAMETER 2 LSB	Refer to Effect Parameter List	Depends on Variation Type	○	○		○				●		○	○	○
		46	2	00-7F 00-7F	VARIATION PARAMETER 3 MSB VARIATION PARAMETER 3 LSB	Refer to Effect Parameter List	Depends on Variation Type	○	○		○				●		○	○	○
		48	2	00-7F 00-7F	VARIATION PARAMETER 4 MSB VARIATION PARAMETER 4 LSB	Refer to Effect Parameter List	Depends on Variation Type	○	○		○				●		○	○	○
		4A	2	00-7F 00-7F	VARIATION PARAMETER 5 MSB VARIATION PARAMETER 5 LSB	Refer to Effect Parameter List	Depends on Variation Type	○	○		○				●		○	○	○
		4C	2	00-7F 00-7F	VARIATION PARAMETER 6 MSB VARIATION PARAMETER 6 LSB	Refer to Effect Parameter List	Depends on Variation Type	○	○		○				●		○	○	○
		4E	2	00-7F 00-7F	VARIATION PARAMETER 7 MSB VARIATION PARAMETER 7 LSB	Refer to Effect Parameter List	Depends on Variation Type	○	○		○				●		○	○	○
		50	2	00-7F 00-7F	VARIATION PARAMETER 8 MSB VARIATION PARAMETER 8 LSB	Refer to Effect Parameter List	Depends on Variation Type	○	○		○				●		○	○	○
		52	2	00-7F 00-7F	VARIATION PARAMETER 9 MSB VARIATION PARAMETER 9 LSB	Refer to Effect Parameter List	Depends on Variation Type	○	○		○				●		○	○	○
		54	2	00-7F 00-7F	VARIATION PARAMETER 10 MSB VARIATION PARAMETER 10 LSB	Refer to Effect Parameter List	Depends on Variation Type	○	○		○				●		○	○	○
		56	1	00-7F	VARIATION RETURN	-->dB...0dB...+6dB (0...64...127)	40	○	○		○				●		○	○	○
		57	1	01-7F	VARIATION PAN	L63...C...R63	40	○	○		○				○		○	○	×
		58	1	00-7F	SEND VARIATION TO REVERB	-->dB...0dB...+6dB (0...64...127)	00	○	○		○				○		○	○	×
		59	1	00-7F	SEND VARIATION TO CHORUS	-->dB...0dB...+6dB (0...64...127)	00	○	○		○				○		○	○	×
		5A	1	00-01	VARIATION CONNECTION	INSERTION, SYSTEM	00	○	○		○				●		○	○	○
		5B	1	00-7F	VARIATION PART NUMBER	Reception: Part1...16 (0...15) Transmission: Part1...16 (0...15) AD (64) OFF (127)	7F	○	○		○				●		○	○	○
		5C	1	00-7F	MW VARIATION CONTROL DEPTH	-64...0...+63	40	○	○		○				○		○	○	×
		5D	1	00-7F	BEND VARIATION CONTROL DEPTH	-64...0...+63	40	○	○		○				○		○	○	×
		5E	1	00-7F	CAT VARIATION CONTROL DEPTH	-64...0...+63	40	○	○		○				○		○	○	×
		5F	1	00-7F	AC1 VARIATION CONTROL DEPTH	-64...0...+63	40	○	○		○				○		○	○	×
		60	1	00-7F	AC2 VARIATION CONTROL DEPTH	-64...0...+63	40	○	○		○				○		○	○	×

TOTAL SIZE 21

02	01	70	1	00-7F	VARIATION PARAMETER 11	Refer to Effect Parameter List	Depends on Variation Type	○	○	○	●	○	○	○
		71	1	00-7F	VARIATION PARAMETER 12	Refer to Effect Parameter List	Depends on Variation Type	○	○	○	●	○	○	○
		72	1	00-7F	VARIATION PARAMETER 13	Refer to Effect Parameter List	Depends on Variation Type	○	○	○	●	○	○	○
		73	1	00-7F	VARIATION PARAMETER 14	Refer to Effect Parameter List	Depends on Variation Type	○	○	○	●	○	○	○
		74	1	00-7F	VARIATION PARAMETER 15	Refer to Effect Parameter List	Depends on Variation Type	○	○	○	●	○	○	○
		75	1	00-7F	VARIATION PARAMETER 16	Refer to Effect Parameter List	Depends on Variation Type	○	○	○	●	○	○	○

TOTAL SIZE 06

●: Transmitted via panel operations and keyboard/controller performances.  
○: Available

## MIDI Parameter Change Table (MULTI EQ)

					[MIDI]										[Internal Sequencer]					
Address (H)	Size (H)	Data (H)	Parameter	Description <small>*The MULTI EQ parameter cannot be reset to its factory setting with XG SYSTEM ON.</small>	XG Default (H)	Voice		MIDI Reception				MIDI Transmission				PLAY		REC		
						Regular/Drum/Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower	PLAY	REW	From panel (Main/Layer/Left)	
02	40	00	1	00-04	EQ TYPE	flat, jazz, pops, rock, classic	—	○	○							○		○	×	×
		01	1	34-4C	EQ GAIN1	-12...0...+12 [dB]	—	○	○							●		○	×	×
		02	1	04-28	EQ FREQUENCY1	32...2.0k [Hz]	—	○	○							●		○	×	×
		03	1	01-78	EQ Q1	0.1...12.0	—	○	○							○		○	×	×
		04	1	00-01	EQ SHAPE1	shelving, peaking	—	○	○							○		○	×	×
		05	1	34-4C	EQ GAIN2	-12...0...+12 [dB]	—	○	○							●		○	×	×
		06	1	0E-36	EQ FREQUENCY2	100...10.0k [Hz]	—	○	○							●		○	×	×
		07	1	01-78	EQ Q2	0.1...12.0	—	○	○	Q2						●		○	×	×
		08	1		NOT USED		—	—	—							—		—	—	—
		09	1	34-4C	EQ GAIN3	-12...0...+12 [dB]	—	○	○							●		○	×	×
		0A	1	0E-36	EQ FREQUENCY3	100...10.0k [Hz]	—	○	○							●		○	×	×
		0B	1	01-78	EQ Q3	0.1...12.0	—	○	○	Q3						●		○	×	×
		0C	1		NOT USED		—	—	—							—		—	—	—
		0D	1	34-4C	EQ GAIN4	-12...0...+12 [dB]	—	○	○							●		○	×	×
		0E	1	0E-36	EQ FREQUENCY4	100...10.0k [Hz]	—	○	○							●		○	×	×
		0F	1	01-78	EQ Q4	0.1...12.0	—	○	○	Q4						●		○	×	×
		10	1		NOT USED		—	—	—							—		—	—	—
		11	1	34-4C	EQ GAIN5	-12...0...+12 [dB]	—	○	○							●		○	×	×
		12	1	1C-3A	EQ FREQUENCY5	0.5k...16.0k [Hz]	—	○	○							●		○	×	×
		13	1	01-78	EQ Q5	0.1...12.0	—	○	○							○		○	×	×
		14	1	00-01	EQ SHAPE5	shelving, peaking	—	○	○							○		○	×	×

TOTAL SIZE 15

●: Transmitted via panel operations and keyboard/controller performances.  
○: Available

# MIDI Parameter Change Table (EFFECT2)

				[MIDI]										[Internal Sequencer]								
Address (H)	Size (H)	Data (H)	Parameter	Description *The EFFECT2 parameter cannot be reset to its factory setting with XG SYSTEM ON.	XG Default (H)	Voice			MIDI Reception					MIDI Transmission				PLAY		REC		
						Regular/Drum/Natural	Mic		Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower	PLAY	REW	From panel (Main/Layer/Left)		
03	n	00	2	00-7F 00-7F	INSERTION EFFECT TYPE MSB INSERTION EFFECT TYPE LSB	Refer to Effect Parameter List	—	○	○								●			○	○	○
		02	1	00-7F	INSERTION EFFECT PARAMETER 1	Refer to Effect Parameter List	—	○	○								●			○	○	○
		03	1	00-7F	INSERTION EFFECT PARAMETER 2	Refer to Effect Parameter List	—	○	○								●			○	○	○
		04	1	00-7F	INSERTION EFFECT PARAMETER 3	Refer to Effect Parameter List	—	○	○								●			○	○	○
		05	1	00-7F	INSERTION EFFECT PARAMETER 4	Refer to Effect Parameter List	—	○	○								●			○	○	○
		06	1	00-7F	INSERTION EFFECT PARAMETER 5	Refer to Effect Parameter List	—	○	○								●			○	○	○
		07	1	00-7F	INSERTION EFFECT PARAMETER 6	Refer to Effect Parameter List	—	○	○								●			○	○	○
		08	1	00-7F	INSERTION EFFECT PARAMETER 7	Refer to Effect Parameter List	—	○	○								●			○	○	○
		09	1	00-7F	INSERTION EFFECT PARAMETER 8	Refer to Effect Parameter List	—	○	○								●			○	○	○
		0A	1	00-7F	INSERTION EFFECT PARAMETER 9	Refer to Effect Parameter List	—	○	○								●			○	○	○
		0B	1	00-7F	INSERTION EFFECT PARAMETER 10	Refer to Effect Parameter List	—	○	○								●			○	○	○
		0C	1	00-7F	INSERTION EFFECT PART NUMBER	Reception: Part1...16 (0..15) Transmission: Part1...16 (0..15) AD (64) OFF (127)	—	○	○								●			○	○	○
		0D	1	00-7F	MW INSERTION CONTROL DEPTH	-64...0...+63	—	○	○								○			○	○	×
		0E	1	00-7F	BEND INSERTION CONTROL DEPTH	-64...0...+63	—	○	○								○			○	○	×
		0F	1	00-7F	CAT INSERTION CONTROL DEPTH	-64...0...+63	—	○	○								○			○	○	×
		10	1	00-7F	AC1 INSERTION CONTROL DEPTH	-64...0...+63	—	○	○								○			○	○	×
		11	1	00-7F	AC2 INSERTION CONTROL DEPTH	-64...0...+63	—	○	○								○			○	○	○

TOTAL SIZE 12

		20	1	00-7F	INSERTION EFFECT PARAMETER 11	Refer to Effect Parameter List	—	○	○								●			○	○	○	
		21	1	00-7F	INSERTION EFFECT PARAMETER 12	Refer to Effect Parameter List	—	○	○									●			○	○	○
		22	1	00-7F	INSERTION EFFECT PARAMETER 13	Refer to Effect Parameter List	—	○	○									●			○	○	○
		23	1	00-7F	INSERTION EFFECT PARAMETER 14	Refer to Effect Parameter List	—	○	○									●			○	○	○
		24	1	00-7F	INSERTION EFFECT PARAMETER 15	Refer to Effect Parameter List	—	○	○									●			○	○	○
		25	1	00-7F	INSERTION EFFECT PARAMETER 16	Refer to Effect Parameter List	—	○	○									●			○	○	○

TOTAL SIZE 6

		30	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 1 MSB INSERTION EFFECT PARAMETER 1 LSB	Refer to Effect Parameter List	—	○	○								●			○	○	○	
		32	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 2 MSB INSERTION EFFECT PARAMETER 2 LSB	Refer to Effect Parameter List	—	○	○									●			○	○	○
		34	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 3 MSB INSERTION EFFECT PARAMETER 3 LSB	Refer to Effect Parameter List	—	○	○									●			○	○	○
		36	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 4 MSB INSERTION EFFECT PARAMETER 4 LSB	Refer to Effect Parameter List	—	○	○									●			○	○	○
		38	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 5 MSB INSERTION EFFECT PARAMETER 5 LSB	Refer to Effect Parameter List	—	○	○									●			○	○	○
		3A	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 6 MSB INSERTION EFFECT PARAMETER 6 LSB	Refer to Effect Parameter List	—	○	○									●			○	○	○
		3C	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 7 MSB INSERTION EFFECT PARAMETER 7 LSB	Refer to Effect Parameter List	—	○	○									●			○	○	○
		3E	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 8 MSB INSERTION EFFECT PARAMETER 8 LSB	Refer to Effect Parameter List	—	○	○									●			○	○	○
		40	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 9 MSB INSERTION EFFECT PARAMETER 9 LSB	Refer to Effect Parameter List	—	○	○									○			○	○	○
		42	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 10 MSB INSERTION EFFECT PARAMETER 10 LSB	Refer to Effect Parameter List	—	○	○									●			○	○	○

TOTAL SIZE 14

●: Transmitted via panel operations and keyboard/controller performances.  
○: Available

The second byte of the address is considered as an Insertion effect number.  
n: insertion effect number  
n = 0-4

For effect types that do not require MSB, the Parameters for Address 02-0B will be received and the Parameters for Address 30-42 will not be received.  
For effect types that require MSB, the Parameters for Address 30-42 will be received and the Parameters for Address 02-0B will not be received.

Type MSB of the effect types that require Parameter MSB are: 5, 6, 7, 8, 95, 96, 97, 98, 104.

When Bulk Dumps that include Effect Type data are transmitted, the Parameters for Address 02-0B will always be transmitted. But, effects that require MSB, when the bulk dump is received the Parameters for Address 02-0B will not be received.





		55	1	00-7F	PAT AMPLITUDE CONTROL	-100...0...+100 [%]	40	○	×	○	×	×	×	×	○	×	○	×	×
		56	1	00-7F	PAT LFO PMOD DEPTH	0...127	00	○	×	○	×	×	×	×	○	×	○	×	×
		57	1	00-7F	PAT LFO FMOD DEPTH	0...127	00	○	×	○	×	×	×	×	○	×	○	×	×
		58	1	00-7F	PAT LFO AMOD DEPTH	0...127	00	○	×	○	×	×	×	×	○	×	○	×	×
		59	1	00-5F	AC1 CONTROLLER NUMBER	0...95	10	○	×	○	×	×	×	×	○	×	○	×	×
		5A	1	28-58	AC1 PITCH CONTROL	-24...0...+24 [semitones]	40	○	×	○	○	×	×	○	×	○	×	○	×
		5B	1	00-7F	AC1 LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	○	×	○	○	×	×	○	×	○	×	○	○
		5C	1	00-7F	AC1 AMPLITUDE CONTROL	-100...0...+100 [%]	40	○	×	○	○	×	×	○	×	○	×	○	×
		5D	1	00-7F	AC1 LFO PMOD DEPTH	0...127	00	○	×	○	○	×	×	○	×	○	×	○	○
		5E	1	00-7F	AC1 LFO FMOD DEPTH	0...127	00	○	×	○	○	×	×	○	×	○	×	○	○
		5F	1	00-7F	AC1 LFO AMOD DEPTH	0...127	00	○	×	○	○	×	×	○	×	○	×	○	○
		60	1	00-5F	AC2 CONTROLLER NUMBER	0...95	11	○	×	○	×	×	×	×	○	×	○	×	○
		61	1	28-58	AC2 PITCH CONTROL	-24...0...+24 [semitones]	40	○	×	○	×	×	×	×	○	×	○	×	×
		62	1	00-7F	AC2 LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	○	×	○	×	×	×	×	○	×	○	×	×
		63	1	00-7F	AC2 AMPLITUDE CONTROL	-100...0...+100 [%]	40	○	×	○	×	×	×	×	○	×	○	×	×
		64	1	00-7F	AC2 LFO PMOD DEPTH	0...127	00	○	×	○	×	×	×	×	○	×	○	×	×
		65	1	00-7F	AC2 LFO FMOD DEPTH	0...127	00	○	×	○	×	×	×	×	○	×	○	×	×
		66	1	00-7F	AC2 LFO AMOD DEPTH	0...127	00	○	×	○	×	×	×	×	○	×	○	×	×
		67	1	00-01	PORTAMENTO SWITCH	OFF, ON	00	○	×	○	○	×	×	○	×	○	×	○	×
		68	1	00-7F	PORTAMENTO TIME	0...127	00	○	×	○	○	×	×	○	×	○	×	○	×
		69	1	00-7F	PITCH EG INITIAL LEVEL	-64...0...+63	40	○	×	○	○	×	×	○	×	○	×	○	×
		6A	1	00-7F	PITCH EG ATTACK TIME	-64...0...+63	40	○	×	○	○	×	×	○	×	○	×	○	×
		6B	1	00-7F	PITCH EG RELEASE LEVEL	-64...0...+63	40	○	×	○	○	×	×	○	×	○	×	○	×
		6C	1	00-7F	PITCH EG RELEASE TIME	-64...0...+63	40	○	×	○	○	×	×	○	×	○	×	○	×
		6D	1	01-7F	VELOCITY LIMIT LOW	1...127	01	○	×	○	○	×	×	○	×	○	×	○	×
		6E	1	01-7F	VELOCITY LIMIT HIGH	1...127	7F	○	×	○	○	×	×	○	×	○	×	○	×

TOTAL SIZE 3F

		70	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		71	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		72	1	00-7F	EQ BASS GAIN	-12dB...+12dB	40	○	×	○	○	×	○	●	●	●	×	○	○
		73	1	00-7F	EQ TREBLE GAIN	-12dB...+12dB	40	○	×	○	○	×	○	●	●	●	×	○	○

TOTAL SIZE 04

		74	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		75	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		76	1	04-2B	EQ BASS FREQUENCY	32...2.0k [Hz]	0C	○	×	○	○	×	×	○	●	○	○	×	○
		77	1	1C-3A	EQ TREBLE FREQUENCY	500...16.0k [Hz]	36	○	×	○	○	×	×	○	●	○	○	×	○
		78	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		79	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		7A	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		7B	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		7C	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		7D	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		7E	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		7F	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	

TOTAL SIZE 0C

●: Transmitted via panel operations and keyboard/controller performances.

○: Available

0A	nn	00	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	
		01	1	00-01	Mono Priority	Lastest, Highest	00	○	—	○	×	×	×	×	●	×	○	×	○
		02	1	00-02	Portamento Mono Legato	Normal, Pitch Poly, Crossfade	00	○	—	○	×	×	×	×	●	×	○	×	○
		03	1	00-01	Portamento Time Mode	Rate, Time	00	○	—	○	×	×	×	×	●	×	○	×	○
		04	1		NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	

TOTAL SIZE 05

		40	1	00-7F	MW OFFSET LEVEL CONTROL	-100 - 100 [%]	40	○	—	○	○	×	×	○	●	×	○	×	○
		41	1	00-7F	BEND OFFSET LEVEL CONTROL	-100 - 100 [%]	40	○	—	○	×	×	×	×	×	×	○	×	○
		42	1	00-7F	CAT OFFSET LEVEL CONTROL	-100 - 100 [%]	40	○	—	○	○	×	×	×	×	×	○	×	○
		43	1	00-7F	PAT OFFSET LEVEL CONTROL	-100 - 100 [%]	40	○	—	○	×	×	×	×	×	×	○	×	○
		44	1	00-7F	AC1 OFFSET LEVEL CONTROL	-100 - 100 [%]	40	○	—	○	○	×	×	○	×	×	○	×	○
		45	1	00-7F	AC2 OFFSET LEVEL CONTROL	-100 - 100 [%]	40	○	—	○	×	×	×	×	×	×	○	×	○

TOTAL SIZE 06

●: Transmitted via panel operations and keyboard/controller performances.

○: Available

nn = PART NUMBER

If there is a Drum Voice assigned to the part, the following parameters are ineffective.

- BANK SELECT LSB
- PORTAMENTO
- MONO/POLY
- SCALE TUNING
- POLY AFTER TOUCH
- PITCH EG

# MIDI Parameter Change Table (A/D PART)

										[MIDI]				[Internal Sequencer]					
Address (H)		Size (H)	Data (H)	Parameter	Description <small>*The A/D PART parameter cannot be reset to its factory setting with XG SYSTEM ON.</small>	XG Default (H)	Voice			MIDI Reception				MIDI Transmission			PLAY		REC
							Regular/Drum/Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower	PLAY	REW
10	0n	00	1	00-01	INPUT GAIN	MIC. LINE	---	x	x								x	x	x
		01	1	00-7F	BANK SELECT MSB	0...127	---	x	x								x	x	x
		02	1	00-7F	BANK SELECT LSB	0...127	---	x	x								x	x	x
		03	1	00-7F	PROGRAM NUMBER	1...128	---	x	x								x	x	x
		04	1	00-0F, 7F	Rcv CHANNEL	1...32 (*1), OFF	---	x	○								○	x	x
		05	1		NOT USED		---	---	---								---	---	---
		06	1		NOT USED		---	---	---								---	---	---
		07	1		NOT USED		---	---	---								---	---	---
		08	1		NOT USED		---	---	---								---	---	---
		09	1		NOT USED		---	---	---								---	---	---
		0A	1		NOT USED		---	---	---								---	---	---
		0B	1	00-7F	VOLUME	0...127	---	x	○								○	x	x
		0C	1		NOT USED		---	---	---								---	---	---
		0D	1		NOT USED		---	---	---								---	---	---
		0E	1	01-7F	PAN	L63...C...R63	---	x	○								○	x	x
		0F	1		NOT USED		---	---	---								---	---	---
		10	1		NOT USED		---	---	---								---	---	---
		11	1	00-7F	DRY LEVEL	0...127	---	x	○								○	x	x
		12	1	00-7F	CHORUS SEND	0...127	---	x	○								○	x	x
		13	1	00-7F	REVERB SEND	0...127	---	x	○								○	x	x
		14	1	00-7F	VARIATION SEND	0...127	---	x	○								○	x	x

TOTAL SIZE 15  
 \*1: Channels 17 - 32 only send to TG.  
 n: A/D Part Number (0)

# MIDI Parameter Change Table (DRUM SETUP)

Address (H)		Size (H)		Data (H)		Parameter	Description	XG Default (H)	[MIDI]						[Internal Sequencer]					
									Voice		MIDI Reception				MIDI Transmission			PLAY		REC
									Regular/Drum/Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower	PLAY
3n	rr	00	1	00-7F	PITCH COARSE	-64...0...+63	40	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		01	1	00-7F	PITCH FINE	-64...0...+63 [cent]	40	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		02	1	00-7F	LEVEL	0...127	Depends on the note	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		03	1	00-7F	ALTERNATE GROUP	OFF, 1...127	Depends on the note	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		04	1	00-7F	PAN	RND, L63...C...R63	Depends on the note	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		05	1	00-7F	REVERB SEND	0...127	Depends on the note	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		06	1	00-7F	CHORUS SEND	0...127	Depends on the note	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		07	1	00-7F	VARIATION SEND	0...127	7F	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		08	1	00-01	KEY ASSIGN	SINGLE, MULTI	00	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		09	1	00-01	Rcv NOTE OFF	OFF, ON	Depends on the note	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		0A	1	00-01	Rcv NOTE ON	OFF, ON	01	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		0B	1	00-7F	LOW PASS FILTER CUTOFF FREQUENCY	-64...0...+63	40	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		0C	1	00-7F	LOW PASS FILTER RESONANCE	-64...0...+63	40	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		0D	1	00-7F	EG ATTACK RATE	-64...0...+63	40	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		0E	1	00-7F	EG DECAY1 RATE	-64...0...+63	40	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		0F	1	00-7F	EG DECAY2 RATE	-64...0...+63	40	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>				<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>			

TOTAL SIZE 10

		20	1	00-7F	EQ BASS GAIN	-12...+12 [dB]	40	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		21	1	00-7F	EQ TREBLE GAIN	-12...+12 [dB]	40	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		22	1		NOT USED												
		23	1		NOT USED												
		24	1	04-28	EQ BASS FREQUENCY	32...2.0k [Hz]	0C	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		25	1	1C-3A	EQ TREBLE FREQUENCY	500...16.0k [Hz]	36	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		26	1		NOT USED												
		27	1		NOT USED												
		28	1		NOT USED												
		29	1		NOT USED												
		2A	1		NOT USED												
		2B	1		NOT USED												
		2C	1		NOT USED												
		2D	1		NOT USED												

TOTAL SIZE 0E

		70	4	00-7F	SOURCE DRUM KIT (Bank Select MSB)	0...127	Depends on the note	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>			<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				00-7F	SOURCE DRUM KIT (Bank Select LSB)	0...127	Depends on the note	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>			<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				00-7F	SOURCE DRUM KIT (Program Number)	0...127	Depends on the note	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>			<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				0D-5B	SOURCE DRUM KIT (Note Number)	C-1...G5	Depends on the note	<input type="radio"/>	<input type="checkbox"/>		<input type="radio"/>			<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

TOTAL SIZE 04

n: Drum Setup Number (0-1)  
rr: note number (0D-5B)

In the following cases, the instrument will initialize all Drum Setups.

- XG SYSTEM ON received
- GM SYSTEM ON received
- GM LEVEL2 SYSTEM ON received
- GS RESET received
- DRUM SETUP RESET received (only when in XG mode)

## NOTE

When a part to which a Drum Setup is assigned receives a program change, the assigned Drum Setup will be initialized.  
If the same Drum Setup is assigned to two or more parts, changes in Drum Setup parameters (including program changes) will apply to all parts to which it is assigned.





# System Exclusive Messages (Universal Non-Real Time Messages)

MIDI Event	Data Format	[MIDI]										[Internal Sequencer]		
		Voice		MIDI Reception					MIDI Transmission			PLAY		REC
		Regular/ Drum/ Natural	Mic	Song	Main/ Layer/Left	Keyboard	Style	Extra	Main/ Layer/Left	Style	Song	Upper Lower	PLAY	REW
GM1 System On (GM1) [GM2]	<b>F0 7E XN 09 01 F7</b> 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxxnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001001 09 = Sub-ID #1 = General MIDI Message 00000001 01 = Sub-ID #2 = General MIDI On 11110111 F7 = End of Exclusive	○	—									○	×	○
GM2 System On (GM2)	<b>F0 7E XN 09 03 F7</b> 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxxnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001001 09 = Sub-ID #1 = General MIDI Message 00000011 03 = Sub-ID #2 = General MIDI2 On 11110111 F7 = End of Exclusive	○	—									○	×	×
General MIDI System Off (GM1) [GM2]	<b>F0 7E XN 09 02 F7</b> 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxxnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001001 09 = Sub-ID #1 = General MIDI Message 00000010 02 = Sub-ID #2 = General MIDI Off 11110111 F7 = End of Exclusive	○	—									○	×	×
Scale/Octave Tuning (GM2)	<b>F0 7E XN 08 08 JJ GG MM SS ... F7</b> 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxxnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001000 08 = Sub-ID #1= MIDI Tuning Standard 00001000 08 = Sub-ID #2= scale/octave tuning 1byte form 0jjjjjjj JJ = Channel/option byte1 bits 0 to 1 = channel 15 to 16 bits 2 to 6 = reserved 0ggggggg GG = Channel byte2 – bits 0 to 6 = channel 8 to 14 0mmmmmmmm MM= Channel byte2 – bits 0 to 6 = channel 1 to 7 0sssssss SS = 12byte tuning offset of 12 semitones from C to B 00H means -64cent 40H means 0cent 7FH means +63cent ... 11110111 F7= End of Exclusive	○	×									○	×	×

## System Exclusive Messages (2)

- Not received when the MIDI setting "System Exclusive Message - Receive" is set to off.
- Not transmitted when the MIDI setting "System Exclusive Message - Transmit" is set to off.

## System Exclusive Messages (Style)

MIDI Event	Data Format	[MIDI]										
		Voice		MIDI Reception				MIDI Transmission				
		Regular/Drum/ Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower
Section Control	<b>F0 43 7E 00 ss dd F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000000 00 = 0sssssss ss = Switch No.  00H INTRO 1 01H INTRO 2 02H INTRO 3 03H INTRO 4 08H MAIN A 09H MAIN B 0AH MAIN C 0BH MAIN D 10H FILL IN AA 11H FILL IN BB 12H FILL IN CC 13H FILL IN DD 18H BREAK FILL 20H ENDING 1 21H ENDING 2 22H ENDING 3 23H ENDING 4  0ddddddd dd = Switch On/Off 00H (Off) 7FH (On) 11110111 F7 = End of Exclusive	—	—			○					●	
Tempo Control	<b>F0 43 7E 01 t4 t3 t2 t1 F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000001 01 = 0ttttttt t4 = tempo4 0ttttttt t3 = tempo3 0ttttttt t2 = tempo2 0ttttttt t1 = tempo1 11110111	—	—			○					●	
Chord Control	<b>F0 43 7E tt d1 d2 d3 d4 F7</b> <b>Type1 (H=02)</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000010 02 = type 1 0ddddddd d1 = chord root (cr) 0ddddddd d2 = chord type (ct) 0ddddddd d3 = bass note (bn) 0ddddddd d4 = bass type (bt) 11110111 F7 = End of Exclusive  cr: Chord Root 0fffnnnn fff: b or #, nnnn: note (root) 0000nnnn 0n bbb           0fff0000 x0 reserved 0001nnnn 1n bb            0fff0001 x1 C 0010nnnn 2n b             0fff0010 x2 D 0011nnnn 3n natural       0fff0011 x3 E 0100nnnn 4n #             0fff0100 x4 F 0101nnnn 5n ##            0fff0101 x5 G 0110nnnn 6n ###           0fff0110 x6 A 0fff0111 x7 B  ct: Chord Type 0-34, 127 00000000 00 0 Maj         00010010 12 18 dim7 00000001 01 1 Maj6        00010011 13 19 7th 00000010 02 2 Maj7        00010100 14 20 7sus4 00000011 03 3 Maj7(#11)   00010101 15 21 7b5 00000100 04 4 Maj(9)       00010110 16 22 7(9) 00000101 05 5 Maj7(9)     00010111 17 23 7(#11) 00000110 06 6 Maj6(9)     00011000 18 24 7(13) 00000111 07 7 aug         00011001 19 25 7(b9) 00001000 08 8 min         00011010 1A 26 7(b13) 00001001 09 9 min6        00011011 1B 27 7(#9) 00001010 0A 10 min7       00011100 1C 28 Maj7aug 00001011 0B 11 min7b5     00011101 1D 29 7aug 00001100 0C 12 min(9)     00011110 1E 30 1+8 00001101 0D 13 min7(9)    00011111 1F 31 1+5 00001110 0E 14 min7(11)   00100000 20 32 sus4 00001111 0F 15 minMaj7    00100001 21 33 1+2+5 00010000 10 16 minMaj7(9) 00100010 22 34 cc 00010001 11 17 dim  bn: On Bass Note           Same as Chord root 127: No bass chord bt: Bass Chord             Same as Chord type 127: No bass chord  * Not received when the MIDI setting "Chord System Exclusive Message - Receive" is set to off. * Not transmitted when the MIDI setting "Chord System Exclusive Message - Transmit" is set to off.	—	—			○					●	
	<b>Type2 (H=03)</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000011 03 = type 2 0ddddddd dd = note1 0ddddddd dd = note2 0ddddddd dd = note3 : 0ddddddd dd = note10 11110111 F7 = End of Exclusive	—	—			○					●	x

- : Transmitted via panel operations and keyboard/controller performances.
- : Available



# System Exclusive Messages (XG)

MIDI Event	Data Format	[MIDI]										
		Voice		MIDI Reception					MIDI Transmission			
		Regular/Drum/ Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower
XG Parameter Changes	<b>F0 43 ln 4C hh mm ll dd ... F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n = Device Number n=always 0 (when transmit), n=0-F (when receive) 01001100 4C = Model ID Ohhhhhhh hh = Address High Ommmmmmmm mm = Address Mid 01111111 ll = Address Low 0ddddddd dd = Data : : 11110111 F7 = End of Exclusive	○ (*1)	—	—	○ (*1)	—	—	—	○ (*1)	—	—	—
XG Bulk Dump	<b>F0 43 0n 4C aa bb hh mm ll dd ... dd cc F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0000nnnn 0n = Device Number n=always 0 (when transmit), n=0-F (when receive) 01001100 4C = Model ID Oaaaaaaaa aa = Byte Count MSB Obbbbbbbb bb = Byte Count LSB Ohhhhhhh hh = Address High Ommmmmmmm mm = Address Mid 01111111 ll = Address Low 0ddddddd dd = Data : : 0ddddddd dd = Data 0ccccccc cc = Checksum 11110111 F7 = End of Exclusive	○ (*1)	—	—	○ (*1)	—	—	—	○ (*1)	—	—	—
XG Parameter Request	<b>F0 43 3n 4C hh mm ll F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0011nnnn 3n = Device Number n=always 0 (when transmit), n=0-F (when receive) 01001100 4C = Model ID Ohhhhhhh hh = Address High Ommmmmmmm mm = Address Mid 01111111 ll = Address Low 11110111 F7 = End of Exclusive	—	—	—	○ (*1)	—	—	—	○ (*1)	—	—	—
XG Dump Request	<b>F0 43 2n 4C hh mm ll F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0010nnnn 2n = Device Number n=always 0 (when transmit), n=0-F (when receive) 01001100 4C = Model ID Ohhhhhhh hh = Address High Ommmmmmmm mm = Address Mid 01111111 ll = Address Low 11110111 F7 = End of Exclusive	—	—	—	○ (*1)	—	—	—	○ (*1)	—	—	—

\*1: Depends on parameter. Refer to "XG PARAMETER CHANGE TABLE".

# System Exclusive Messages (Scale Tuning)

MIDI Event	Data Format	[MIDI]																																																
		Voice		MIDI Reception				MIDI Transmission																																										
		Regular/Drum/ Natural	Mic	Song	Main/Layer/Left	Keyboard	Style	Extra	Main/Layer/Left	Style	Song	Upper Lower																																						
Scale Tuning	<p>F0 43 73 01 52 2F 02 cc 40 d1 d2 ... d12 F7</p> <p>11110000 F0 = Exclusive status                      01000011 43 = YAMAHA ID                      01110011 73 = Clavinova ID                      00000001 01 = Model ID (Clavinova Common ID)                      01010010 52 = PK/CL common variable length data                      00101111 2F = Scale Tuning                      00000010 02 =                      0ccccccc cc = Type (00H: Main, 01H: Sub)                      01000000 40 = Scale tuning All                      0ddddddd d1 = Scale tuning C                      0ddddddd d2 = Scale tuning C#                      :                      :                      0ddddddd d12 = Scale tuning B                      11110111 F7 = End of Exclusive</p> <table border="1"> <thead> <tr> <th>Parameters (d1-d12)</th> <th>Range</th> <th>Description</th> </tr> </thead> <tbody> <tr><td>d1 = SCALE TUNING C</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d2 = SCALE TUNING C#</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d3 = SCALE TUNING D</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d4 = SCALE TUNING D#</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d5 = SCALE TUNING E</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d6 = SCALE TUNING F</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d7 = SCALE TUNING F#</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d8 = SCALE TUNING G</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d9 = SCALE TUNING G#</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d10 = SCALE TUNING A</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d11 = SCALE TUNING A#</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> <tr><td>d12 = SCALE TUNING B</td><td>00-7FH</td><td>-64...0...+63 (cent)</td></tr> </tbody> </table>	Parameters (d1-d12)	Range	Description	d1 = SCALE TUNING C	00-7FH	-64...0...+63 (cent)	d2 = SCALE TUNING C#	00-7FH	-64...0...+63 (cent)	d3 = SCALE TUNING D	00-7FH	-64...0...+63 (cent)	d4 = SCALE TUNING D#	00-7FH	-64...0...+63 (cent)	d5 = SCALE TUNING E	00-7FH	-64...0...+63 (cent)	d6 = SCALE TUNING F	00-7FH	-64...0...+63 (cent)	d7 = SCALE TUNING F#	00-7FH	-64...0...+63 (cent)	d8 = SCALE TUNING G	00-7FH	-64...0...+63 (cent)	d9 = SCALE TUNING G#	00-7FH	-64...0...+63 (cent)	d10 = SCALE TUNING A	00-7FH	-64...0...+63 (cent)	d11 = SCALE TUNING A#	00-7FH	-64...0...+63 (cent)	d12 = SCALE TUNING B	00-7FH	-64...0...+63 (cent)	—	—								×
Parameters (d1-d12)	Range	Description																																																
d1 = SCALE TUNING C	00-7FH	-64...0...+63 (cent)																																																
d2 = SCALE TUNING C#	00-7FH	-64...0...+63 (cent)																																																
d3 = SCALE TUNING D	00-7FH	-64...0...+63 (cent)																																																
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Scale Tuning Part	<p>F0 43 73 01 52 2F 02 cc pp dd F7</p> <p>11110000 F0 = Exclusive status                      01000011 43 = YAMAHA ID                      01110011 73 = Clavinova ID                      00000001 01 = Model ID (Clavinova Common ID)                      01010010 52 = PK/CL common variable length data                      00101111 2F = Scale Tuning                      00000010 02 =                      0ccccccc cc = Type (00H: Main, 01H: Sub)                      0ddddddd pp = Parameter ID                      0ddddddd dd = Data                      11110111 F7 = End of Exclusive</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>ID (pp)</th> <th>Data (dd)</th> </tr> </thead> <tbody> <tr><td>4FH</td><td>LEFT PART</td><td>00H: Off, 7FH: On</td></tr> <tr><td>50H</td><td>STYLE PART</td><td>00H: Off, 7FH: On</td></tr> <tr><td>52H</td><td>MAIN PART</td><td>00H: Off, 7FH: On</td></tr> <tr><td>53H</td><td>LAYER PART</td><td>00H: Off, 7FH: On</td></tr> </tbody> </table>	Parameters	ID (pp)	Data (dd)	4FH	LEFT PART	00H: Off, 7FH: On	50H	STYLE PART	00H: Off, 7FH: On	52H	MAIN PART	00H: Off, 7FH: On	53H	LAYER PART	00H: Off, 7FH: On	—	—								×																								
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Scale Tuning Base Note	<p>F0 43 73 01 52 2F 02 00 4D d1 d2 F7</p> <p>11110000 F0 = Exclusive status                      01000011 43 = YAMAHA ID                      01110011 73 = Clavinova ID                      00000001 01 = Model ID (Clavinova Common ID)                      01010010 52 = PK/CL common variable length data                      00101111 2F = Scale Tuning                      00000010 02 =                      00000000 00 =                      01001011 4D = Base Note ID                      0ddddddd d1 = Base Note                      00H ("C"), 01H (C#) ... 0BH ("B")                      0ddddddd d2 = Base Note Mode                      00H: Change the Base Note only.                      7FH: Change the Base Note and the Scale Tune setting of each note, so that the relative position of the Base Note and each note is maintained.                      11110111 F7 = End of Exclusive</p>	—	—								×																																							



**Song System Exclusive Message List / Liste der System-Exclusive-Meldungen der Songs /  
Liste des messages exclusifs au système demorceaux / Lista de mensajes exclusivos del sistema de canciones**

Data Format	Parameter	Description	Note
<b>Guide</b>			
F0 43 73 01 1F 00 cc dd F7	Guide Mode	cc = Part Select No. 00H: Track1 = On, Track2 = On 01H: Track1 = Off, Track2 = On 02H: Track1 = On, Track2 = Off 03H: Track1 = Off, Track2 = Off dd = Mode 00H: Guide Off 01H: Follow Lights 02H: Any Key 03H: Karao-Key 06H: Your Tempo	Entered to the Song, from the display called up via [MENU] > [Song Creator] > [Setup].
<b>Score</b>			
F0 43 73 01 50 12 00 00 dd F7	Left Part indication On/Off	dd = 00H: Off, 7FH: On	Entered to the Song, from the display called up via [MENU] > [Song Creator] > [Setup].
F0 43 73 01 50 12 00 01 dd F7	Right Part indication On/Off	dd = 00H: Off, 7FH: On	
F0 43 73 01 50 12 00 02 dd F7	Lyrics indication On/Off	dd = 00H: Off, 7FH: On	
F0 43 73 01 50 12 00 03 dd F7	Chord indication On/Off	dd = 00H: Off, 7FH: On	
F0 43 73 01 50 12 00 04 dd F7	Note Name Indication On/Off	dd = 00H: Off, 7FH: On	
F0 43 73 01 50 12 00 05 dd F7	Size	dd = 00H: Small, 02H: Large	
F0 43 73 01 50 12 00 06 dd F7	Left Ch	dd = 00H – 0FH: Ch, 7EH: Off, 7FH: Auto	
F0 43 73 01 50 12 00 07 dd F7	Right Ch	dd = 00H – 0FH: Ch, 7EH: Off, 7FH: Auto	
F0 43 73 01 50 12 00 08 dd F7	Quantize Triplet On/Off	dd = 00H: Off, 7FH: On	
F0 43 73 01 50 12 00 09 dd F7	Quantize	dd = 00H: Quarter, 01H: Eighth, 02H: Sixteenth, 03H: Thirty-second	
F0 43 73 01 50 12 00 0A dd F7	Note Name	dd = 00H: A, B, C, 01H: Fixed Do, 02H: Movable Do	
<b>Style</b>			
F0 43 73 01 51 00 00 00 03 10 00 dd F7	Style Split Point	dd = Note Number	Entered to the Song, from the display called up via [MENU] > [Song Creator] > [Setup].
F0 43 73 01 51 05 00 03 04 00 00 dd dd F7	Style No.	dd dd = Style No.	Entered when recording.
F0 43 7E 00 ss dd F7	Section Control	Refer to the MIDI Data Format.	Entered when recording.

# Song Meta Event List / Liste der Meta-Events der Songs / Liste des métaévénements des morceaux / Lista de meta-eventos de canciones

Data Format	Parameter	Description	Note
FF 05 len [Data]	Lyrics	len = Data length [Data] = Lyrics Data	–
FF 51 03 t1 t2 t3	Set Tempo	t1 t2 t3 = Tempo value: "B7 1B 00" – "01 D4 C0" (5 – 500)	Entered when recording.
FF 58 04 nn dd cc bb	Beat	nn = Numerator dd = Denominator (power of 2) cc = MIDI clock per metronome click bb = Number of thirty-second notes in MIDI quarter note	Entered when recording.
FF 59 02 sf mi	Key Signature	sf = Key Signature (-7 – 7) mi = 00H: Major key, 01H: Minor key	Entered from the Score display > Detail Setting display.

## Yamaha Meta Event

FF 7F 06 43 73 0A 00 07 dd	Score Start Bar	dd = Start from this measure (-100 – -1, 1 – 100)	–
FF 7F len 43 73 0D 01 [Data]	Keyboard Voice	[Data] = Voice settings for the Main, Layer, and Left parts.	Set on the display called up via [MENU] > [Song Creator] > [Setup].

## Yamaha XF Meta Event

FF 7F 07 43 7B 01 cr ct bn bt	Chord Name	Refer to "Chord Control" in the MIDI Data Format (System Exclusive Messages)	Entered when recording.
FF 7F 05 43 7B 03 20 08	Phrase Mark	Used as a marker for each phrase when executing Phrase Mark repeat playback.	Used when performing the Phrase Mark repeat playback.
FF 7F 04 43 7B 04 dd	Phrase Max	dd = Maximum Phrase Number	Used when performing the Phrase Mark repeat playback.
FF 7F 05 43 7B 0C rr ll	Guide Track Flag	rr = Right (00H: Off, 01H – 10H: Ch) ll = Left (00H: Off, 01H – 10H: Ch)	Set on the display called up via [MENU] > [Song Setting] > [Setting] > [Part Channel]. Entered when recording.

# Direct Access Chart / Tabelle Direktzugriff / Feuille d'accès direct / Gráfico de acceso directo

Operation: [DIRECT ACCESS] button + button listed below		Function of the accessed LCD display				
STYLE CONTROL	[ACMP]	Menu	Style Setting	Split Point/Chord Fingering	Chord Fingering	-
	[OTS LINK]			-	-	-
	SIMPLE			-	-	-
	INTRO			-	-	-
	MAIN VARIATION [A]			-	-	-
	MAIN VARIATION [B]			-	-	-
	MAIN VARIATION [C]			-	-	-
	MAIN VARIATION [D]			-	-	-
	[BREAK]			-	-	-
	[ENDING/rit.]			-	-	-
	[SYNC START]			-	-	-
	[START/STOP]			-	-	-
Category selection buttons	-	-	-	-		
SONG	[SELECT]	Menu	Song Setting	Split Point/Chord Fingering	Split Point	-
	[GUIDE]			Setting2	2 Synchro Stop Timing	
	[SCORE/LYRICS]			-	-	
	[▶▶]			Play	1 Repeat Mode	
	[◀◀]			Setting	1 Guide Mode	
	[▶  ]			Play	2 Lyrics Language	
	[REC]			Play	1 Fast Forward Type	
	[A-B REPEAT]			Setting	2 Quick Start	
[TEMPO/TAP]	Menu	Metronome Setting	-	1 Part Channel (Right)	1 Repeat Mode	
[METRONOME]	Menu	Metronome Setting	-	-	2 Tap Tempo	
TRANPOSE	[+]	Menu	Controller	Setting	1 Touch Response	
	[-]					
[DEMO]	Menu	System	Common	-	-	
[MENU]	Menu	MIDI Setting	-	-	-	
[MIXER/EQ]	Mixer	-	-	Volume/Pan (Panel)	-	
[CHANNEL ON/OFF]	Mixer	-	-	Volume/Pan (Panel)	-	
[MIC SETTING]	Mic Setting (Select & Save)	-	-	-	-	
[USB AUDIO]	Audio (Select & Save)	-	-	-	-	
[DIRECT ACCESS]	-	-	-	-	-	
TAB	[◀]	-	-	-	-	
	[▶]	-	-	-	-	
[ENTER]	-	-	-	-	-	
[EXIT]	Main	-	-	-	-	
Data dial	-	-	-	-	-	
Cursor buttons	[▲]	-	-	-	-	
	[▼]	-	-	-	-	
	[◀]	-	-	-	-	
	[▶]	-	-	-	-	
[VOICE EFFECT]	-	Keyboard Harmony	-	-		
PART ON/OFF	[LEFT]	Menu	Voice Setting	Voice Set Filter	1 Voice (Left)	
	[MAIN]				1 Voice (Main)	
	[LAYER]				1 Voice (Layer)	
	Category selection buttons	Menu	Voice Setting	Voice Set Filter	-	
[PLAYLIST]	Playlist (Select & Save)	-	-	-		
[PIANO ROOM]	Menu	Controller	Setting	1 Touch Response		
REGISTRATION MEMORY	[BANK]	Menu	Regist Sequence/Freeze	Registration Sequence	-	
	[MEMORY]	Menu	Regist Sequence/Freeze	Registration Sequence	-	
	[1]	Regist Bank Information	-	-	-	
	[2]					
	[3]					
[4]						
[PITCH BEND]	Menu	Controller	Setting	2 Pitch Bend Range		
[AUX PEDAL]	-	-	-	1 AUX		
[PEDAL UNIT]	Right Pedal	Menu	Controller	Pedal	2 Right	
	Center Pedal				3 Center	
	Left Pedal				4 Left	

# MIDI Implementation Chart / MIDI-Implementierungstabelle / Tableau d'implémentation MIDI / Gráfico de implementación MIDI

Yamaha [ Portable Grand ]  
 Model DGX-670 MIDI Implementation Chart

Date : 1-April-2020  
 Version : 1.0

Function...	Transmitted	Recognized	Remarks
Basic Default Channel Changed	1 - 16 1 - 16	1 - 16 1 - 16	
Mode Default Messages Altered	3 × *****	3 × ×	
Note Number : True voice	0 - 127 *****	0 - 127 0 - 127	
Velocity Note ON Note OFF	○ 9nH, v=1-127 × 9nH, v=0	○ 9nH, v=1-127 ×	
After Touch Key's Ch's	× ×	○ ○	
Pitch Bend	○	○ 0 - 24 semi	
Control Change	0,32 ○ 1,5,7,10,11 ○ 16 × 6,38 ○ 64,65,66,67 ○ 71,72,73,74 ○ 80,81 ○ 84 ○ 91,93,94 ○ 96,97 × 98,99 ○ 100,101 ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Bank Select General Purpose Controller Data Entry Sound Controller Portamento Cntrl Effect Depth RPN Inc,Dec NRPN LSB,MSB RPN LSB,MSB
Prog Change : True #	○ 0 - 127 *****	○ 0 - 127	
System Exclusive	○	○	
Common : Song Pos. : Song Sel. : Tune	× × ×	× × ×	
System Real Time: Clock Commands	○ ○	○ ○	
Aux : All Sound Off : Reset All Cntrls : Local ON/OFF Mes- : All Notes OFF sages: Active Sense : Reset	× × × × ○ ×	○ (120,126,127) ○ (121) ○ (122) ○ (123 - 125) ○ ×	
Notes:			