

PORTATONE

PSR- A10000

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Voice List / Voice-Liste / Liste des voix

Category	Voice Name	Bank Select		MIDI Program Number
		MSB	LSB	
Piano	GrandPiano	0	112	0
	BrightPiano	0	112	1
	Harpsichord	0	112	6
	GrandHarpsi	0	113	6
	HonkyTonk	0	112	3
	RockPiano	0	114	2
	MidiGrand	0	112	2
	CP80	0	113	2
	Oct.Piano 1	0	113	3
	Oct.Piano 2	0	114	3
	GalaxyEP	0	114	4
	PolarisEP	0	115	4
	HyperTines	0	113	5
	NewTines	0	116	5
	FunkEP	0	112	4
	DXModern	0	112	5
	ModernEP	0	115	5
	TremoloEP	0	113	4
	SuperDX	0	117	5
	Clavi	0	112	7
	SuitcaseEP	0	118	4
	VenusEP	0	114	5
	WahClavi	0	113	7
	Organ&Accordion	RockOrgan1	0	112
DanceOrgan		0	113	17
GospelOrg		0	119	16
PurpleOrg		0	114	18
JazzOrgan1		0	112	16
RockOrgan2		0	113	18
Elec.Organ		0	118	17
DrawbarOrg		0	115	16
ClickOrgan		0	112	17
MellowDraw		0	115	17
JazzOrgan2		0	113	16
BrightDraw		0	116	16
60'sOrgan		0	116	17
JazzOrgan3		0	120	16
BluesOrgan		0	117	17
16+1Organ		0	121	16
16+2Organ		0	122	16
16+4Organ		0	123	16
TheatreOrg1		0	114	16
TheatreOrg2		0	114	17
Musette		0	112	21
TuttiAccrd		0	113	21
Accordion		0	115	21
TangoAccrd		0	112	23
Bandoneon		0	113	23
SoftAccrd		0	114	21
PipeOrgan		0	112	19
ChapelOrgn1		0	113	19
ChapelOrgn2		0	114	19
ChapelOrgn3		0	115	19
BluesHarp		0	114	22
Harmonica		0	112	22
ReedOrgan		0	112	20

Category	Voice Name	Bank Select		MIDI Program Number
		MSB	LSB	
Guitar	SpanishGtr	0	113	24
	Cool! Elec.Gtr	0	114	28
	12StrGuitar	0	113	25
	SolidGuitar	0	118	27
	VintageAmp	0	115	29
	PedalSteel	0	125	27
	FeedbackGtr	0	113	29
	FunkGuitar	0	113	28
	VintageOpen	0	123	27
	VintageMute	0	115	28
	FolkGuitar	0	112	25
	ChorusGtr	0	124	27
	VintageTrem	0	120	27
	OctaveGtr	0	113	26
	DeepChorus	0	114	27
	CampfireGtr	0	115	25
	SmoothNylon	0	114	24
	TremoloGtr	0	113	27
	HawaiianGtr	0	114	26
	BrightClean	0	116	27
	WahGuitar	0	122	27
	ClassicGtr	0	112	24
	Distortion	0	112	30
	Elec.12Str	0	119	27
	Mandolin	0	114	25
	CleanGuitar	0	112	27
	MutedGuitar	0	112	28
	FolkGw_pick1	0	116	25
	FolkGw_pick2	0	117	25
	FolkGw_pick3	0	118	25
	JazzGuitar	0	112	26
	Overdrive	0	112	29
	FingerBass	0	112	33
	PickBass	0	112	34
	SuperFretless	0	113	35
	SlapBass	0	112	36
	AnalogBass	0	112	39
	HiQBass	0	113	38
	FunkBass	0	112	37
	Aco.Bass	0	112	32
Fretless	0	112	35	
Bass&Cymbal	0	114	32	
FusionBass	0	113	36	
RaveBass	0	114	38	
DanceBass	0	113	39	
SynthBass	0	112	38	

Category	Voice Name	Bank Select		MIDI Program Number	
		MSB	LSB		
Trumpet	Sweet! Trumpet	0	115	56	
	Trombone	0	112	57	
	MutedTrump	0	112	59	
	FlugelHorn	0	113	56	
	SoftTrumpet	0	114	56	
	BrassSection	0	112	61	
	MellowBrass	0	116	61	
	BigBandBrs	0	113	61	
	PopBrass	0	118	61	
	BrassCombo	0	115	66	
	SoloTrumpet	0	112	56	
	MellowTromb	0	114	57	
	Trb.Section	0	113	57	
	FrenchHorn	0	112	60	
	MellowHorns	0	119	61	
	BrightBrass	0	120	61	
	FullHorns	0	114	61	
	HighBrass	0	115	61	
	BallroomBrs	0	113	59	
	SmallBrass	0	117	61	
	80'sBrass	0	113	62	
	AnalogBrs	0	112	63	
	TechnoBrass	0	114	62	
	SynthBrass	0	112	62	
	BrassHit	0	126	61	
	Tuba	0	112	58	
Sax & Flute	Sweet! TenorSax	0	117	66	
	BreathyAlto	0	113	65	
	SopranoSax	0	112	64	
	Clarinet	0	112	71	
	TenorSax	0	112	66	
	Sweet! Flute	0	114	73	
	PanFlute	0	113	73	
	Oboe	0	112	68	
	EnglishHorn	0	112	69	
	BaritoneSax	0	112	67	
	BreathTenor	0	114	66	
	AltoSax	0	112	65	
	MelClarinet	0	113	71	
	Bassoon	0	112	70	
	Class.Flute	0	115	73	
	Piccolo	0	112	72	
	EthnicFlute	0	112	75	
	Flute	0	112	73	
	Shakuhachi	0	112	77	
	Whistle	0	112	78	
	Recorder	0	112	74	
	Ocarina	0	112	79	
	WoodwindEns	0	113	66	
	SaxSection	0	116	66	
	Bagpipe	0	112	109	
	Strings	OrchStrings	0	113	48
		Symphon.Str	0	114	48
		Strings	0	112	48
SlowStrings		0	113	49	
ChamberStrs		0	112	49	
SynStrings		0	112	50	
ConcertoStr		0	115	48	
Orch.Brass		0	118	49	
Orch.Flute		0	119	49	
Orch.Oboe		0	121	49	
SoloViolin		0	112	40	
SoftViolin		0	113	40	
Fiddle		0	112	110	
Viola		0	112	41	
Cello		0	112	42	

Category	Voice Name	Bank Select		MIDI Program Number	
		MSB	LSB		
Strings	Contrabass	0	112	43	
	Str.Quartet	0	114	49	
	BowStrings	0	116	48	
	MarcatoStrs	0	115	49	
	TremoloStrs	0	112	44	
	PizzStrings	0	112	45	
	AnalogStrs	0	112	51	
	TechStrings	0	113	50	
	Harp	0	112	46	
	Hackbrett	0	113	46	
	Banjo	0	112	105	
	Sitar	0	112	104	
	Koto	0	112	107	
	Shamisen	0	112	106	
	Orch.Hit	0	112	55	
	Choir&Pad	GothicVox	0	113	53
		VocalEnsbl	0	113	52
		VoxHumana	0	112	53
		Choir	0	112	52
		AirChoir	0	112	54
CyberPad		0	113	99	
Fantasia		0	112	88	
Insomnia		0	113	94	
Wave2001		0	112	95	
Atmosphere		0	112	99	
XenonPad		0	112	91	
Equinox		0	112	94	
DXPad		0	112	92	
Symbiont		0	113	88	
Stargate		0	114	88	
Area 51		0	112	89	
Synthesizer	Dark Moon	0	113	89	
	Ionosphere	0	115	94	
	GoldenAge	0	115	88	
	Solaris	0	114	94	
	Millenium	0	117	88	
	Transform	0	113	95	
	SquareLead	0	112	80	
	Saw.Lead	0	112	81	
	FireWire	0	116	81	
	Analogon	0	115	81	
	Fargo	0	119	81	
	Blaster	0	114	81	
	BigLead	0	113	81	
	Warp	0	117	81	
	TinyLead	0	118	80	
	Stardust	0	112	98	
AeroLead	0	112	83		
MiniLead	0	114	80		
SubAqua	0	118	81		
SunBell	0	113	98		
HiBias	0	116	80		
Vinylead	0	115	80		

Category	Voice Name	Bank Select		MIDI Program Number		
		MSB	LSB			
XG	PIANO	Grand Piano	0	0	0	
		GrndPianoKSP	0	1	0	
		MellowGrPno	0	18	0	
		PianoStrings	0	40	0	
		Dream	0	41	0	
		Bright Piano	0	0	1	
		BritePnoKSP	0	1	1	
		ElecGrandPno	0	0	2	
		ElecGrPnoKSP	0	1	2	
		Detuned CP80	0	32	2	
		Layered CP 1	0	40	2	
		Layered CP 2	0	41	2	
		Honkytonk	0	0	3	
		HonkytonkKSP	0	1	3	
		EI.Piano 1	0	0	4	
		EI.Piano1KSP	0	1	4	
		Mellow EP 1	0	18	4	
		Chorus EP 1	0	32	4	
		HardEI.Piano	0	40	4	
		VXfade EI.P1	0	45	4	
		60sEI.Piano1	0	64	4	
		EI.Piano 2	0	0	5	
		EI.Piano2KSP	0	1	5	
		Chorus EP 2	0	32	5	
		DX EP Hard	0	33	5	
		DX Legend	0	34	5	
		DX Phase EP	0	40	5	
		DX+AnalogEP	0	41	5	
		DX Koto EP	0	42	5	
		VXfade EI.P2	0	45	5	
		Harpsichord	0	0	6	
		Harpsi.KSP	0	1	6	
		Harpsichord2	0	25	6	
		Harpsichord3	0	35	6	
		Clavi.	0	0	7	
		Clavi.KSP	0	1	7	
		Clavi.Wah	0	27	7	
		Pulse Clavi.	0	64	7	
		PierceClavi.	0	65	7	
		CHROMATIC PERC	Celesta	0	0	8
			Glockenspiel	0	0	9
			Music Box	0	0	10
			Orgel	0	64	10
			Vibraphone	0	0	11
			Vibes KSP	0	1	11
			Hard Vibes	0	45	11
			Marimba	0	0	12
			Marimba KSP	0	1	12
			Sine Marimba	0	64	12
			Balimba	0	97	12
			Log Drums	0	98	12
			Xylophone	0	0	13
			TubularBells	0	0	14
			Church Bells	0	96	14
			Carillon	0	97	14
			Dulcimer	0	0	15
			Dulcimer 2	0	35	15
			Cimbalom	0	96	15
Santur	0		97	15		

Category	Voice Name	Bank Select		MIDI Program Number		
		MSB	LSB			
XG	ORGAN	DrawbarOrgan	0	0	16	
		DetDrawOrgan	0	32	16	
		60sDrawOrg1	0	33	16	
		60sDrawOrg2	0	34	16	
		70sDrawOrg1	0	35	16	
		DrawbarOrg2	0	36	16	
		60sDrawOrg3	0	37	16	
		Even Bar Org	0	38	16	
		16+2'2_3 Org	0	40	16	
		Organ Bass	0	64	16	
		70sDrawOrg2	0	65	16	
		Cheezy Organ	0	66	16	
		DrawbarOrg3	0	67	16	
		Perc.Organ	0	0	17	
		70sPercOrg1	0	24	17	
		DetPercOrgan	0	32	17	
		Light Organ	0	33	17	
		Perc.Organ2	0	37	17	
		Rock Organ	0	0	18	
		Rotary Organ	0	64	18	
		Slow Rotary	0	65	18	
		Fast Rotary	0	66	18	
		Church Organ	0	0	19	
		ChurchOrgan3	0	32	19	
		ChurchOrgan2	0	35	19	
		Notre Dame	0	40	19	
		Organ Flute	0	64	19	
		Trem.OrganFl	0	65	19	
		Reed Organ	0	0	20	
		Puff Organ	0	40	20	
		Accordion	0	0	21	
		Accord It	0	32	21	
		Harmonica	0	0	22	
		Harmonica 2	0	32	22	
		Tango Accord	0	0	23	
		TangoAccord2	0	64	23	
		GUITAR	Nylon Guitar	0	0	24
			NylonGuitar2	0	16	24
			NylonGuitar3	0	25	24
			VelGtrHarmo	0	43	24
			Ukulele	0	96	24
			Steel Guitar	0	0	25
			SteelGuitar2	0	16	25
			12Str Guitar	0	35	25
			Nylon&Steel	0	40	25
			Steel&Body	0	41	25
			Mandolin	0	96	25
			Jazz Guitar	0	0	26
			MellowGuitar	0	18	26
			Jazz Amp	0	32	26
			Clean Guitar	0	0	27
			ChorusGuitar	0	32	27
			Muted Guitar	0	0	28
			FunkGuitar1	0	40	28
MuteSteelGtr	0		41	28		
FunkGuitar2	0		43	28		
Jazz Man	0		45	28		
Overdriven	0		0	29		
Guitar Pinch	0		43	29		
Distortion	0		0	30		
FeedbackGtr	0		40	30		
FeedbackGtr2	0		41	30		
GtrHarmonics	0		0	31		
GtrFeedback	0		65	31		
GtrHarmonic2	0		66	31		

Category		Voice Name	Bank Select		MIDI Program Number
			MSB	LSB	
XG	BASS	AcousticBass	0	0	32
		Jazz Rhythm	0	40	32
		VXUprghtBass	0	45	32
		Finger Bass	0	0	33
		Finger Dark	0	18	33
		Flange Bass	0	27	33
		Bass&DistEG	0	40	33
		Finger Slap	0	43	33
		FingerBass2	0	45	33
		Mod.Bass	0	65	33
		Pick Bass	0	0	34
		MutePickBass	0	28	34
		FretlessBass	0	0	35
		Fretless 2	0	32	35
		Fretless 3	0	33	35
		Fretless 4	0	34	35
		Syn.Fretless	0	96	35
		SmthFretless	0	97	35
		Slap Bass 1	0	0	36
		ResonantSlap	0	27	36
		Punch Thumb	0	32	36
		Slap Bass 2	0	0	37
		Velo.Sw.Slap	0	43	37
		Synth Bass 1	0	0	38
		SynBass1Dark	0	18	38
		FastResoBass	0	20	38
		Acid Bass	0	24	38
		Clavi Bass	0	35	38
		Techno Bass	0	40	38
		Orbiter	0	64	38
		Square Bass	0	65	38
		Rubber Bass	0	66	38
		Hammer	0	96	38
		Synth Bass 2	0	0	39
		MellowSyBass	0	6	39
		SequenceBass	0	12	39
		ClickSynBass	0	18	39
		SynBass2Dark	0	19	39
		SmoothSyBass	0	32	39
		ModulrSyBass	0	40	39
		DX Bass	0	41	39
		X Wire Bass	0	64	39
STRINGS	Violin	0	0	40	
	SlwAtkViolin	0	8	40	
	Viola	0	0	41	
	Cello	0	0	42	
	Contrabass	0	0	43	
	Trem.Strings	0	0	44	
	SlwAtTremStr	0	8	44	
	SuspenseStr	0	40	44	
	PizzicatoStr	0	0	45	
	Orch.Harp	0	0	46	
	Yang Chin	0	40	46	
	Timpani	0	0	47	

Category		Voice Name	Bank Select		MIDI Program Number
			MSB	LSB	
XG	ENSEMBLE	Strings 1	0	0	48
		StereoStrngs	0	3	48
		SlwAtkStrngs	0	8	48
		Arco Strings	0	24	48
		60's Strings	0	35	48
		Orchestra	0	40	48
		Orchestra 2	0	41	48
		TremOrchestra	0	42	48
		Velo.Strings	0	45	48
		Strings 2	0	0	49
		S.SlowStrngs	0	3	49
		LegatoStrngs	0	8	49
		Warm Strings	0	40	49
		Kingdom	0	41	49
		70's Strings	0	64	49
		Strings 3	0	65	49
		SynStrings1	0	0	50
		Reso Strings	0	27	50
		SynStrings4	0	64	50
		SynStrings5	0	65	50
		SynStrings2	0	0	51
		Choir Aahs	0	0	52
		Stereo Choir	0	3	52
		Choir Aahs 2	0	16	52
		Mellow Choir	0	32	52
		ChoirStrings	0	40	52
		Voice Oohs	0	0	53
		Synth Voice	0	0	54
		SynthVoice2	0	40	54
		Choral	0	41	54
		Analog Voice	0	64	54
		OrchestraHit	0	0	55
	OrchestrHit2	0	35	55	
	Impact	0	64	55	
	BRASS	Trumpet	0	0	56
		Trumpet 2	0	16	56
		BriteTrumpet	0	17	56
		Warm Trumpet	0	32	56
		Trombone	0	0	57
		Trombone 2	0	18	57
		Tuba	0	0	58
		Tuba 2	0	16	58
		MutedTrumpet	0	0	59
		French Horn	0	0	60
		Fr.Horn Solo	0	6	60
		FrenchHorn2	0	32	60
		HornOrchestr	0	37	60
		BrassSection	0	0	61
		Tp&TbSection	0	35	61
		BrassSect2	0	40	61
		High Brass	0	41	61
		Mellow Brass	0	42	61
SynthBrass1		0	0	62	
Quack Brass		0	12	62	
ResoSynBrass		0	20	62	
Poly Brass		0	24	62	
SynthBrass3		0	27	62	
Jump Brass		0	32	62	
AnaVelBrass1		0	45	62	
AnalogBrass1		0	64	62	
SynthBrass2		0	0	63	
Soft Brass		0	18	63	
SynthBrass4		0	40	63	
Choir Brass		0	41	63	
AnaVelBrass2	0	45	63		
AnalogBrass2	0	64	63		

Category	Voice Name	Bank Select		MIDI Program Number
		MSB	LSB	
XG REED	Soprano Sax	0	0	64
	Alto Sax	0	0	65
	Sax Section	0	40	65
	HyperAltoSax	0	43	65
	Tenor Sax	0	0	66
	BreathyTenor	0	40	66
	SoftTenorSax	0	41	66
	Tenor Sax2	0	64	66
	Baritone Sax	0	0	67
	Oboe	0	0	68
	English Horn	0	0	69
	Bassoon	0	0	70
	Clarinet	0	0	71
	PIPE	Piccolo	0	0
Flute		0	0	73
Recorder		0	0	74
Pan Flute		0	0	75
Blown Bottle		0	0	76
Shakuhachi		0	0	77
Whistle		0	0	78
Ocarina		0	0	79
SYNTH LEAD		Square Lead	0	0
	SquareLead2	0	6	80
	LM Square	0	8	80
	Hollow	0	18	80
	Shroud	0	19	80
	Mellow	0	64	80
	Solo Sine	0	65	80
	Sine Lead	0	66	80
	SawtoothLead	0	0	81
	SawtoothLd2	0	6	81
	Thick Saw	0	8	81
	Dynamic Saw	0	18	81
	Digital Saw	0	19	81
	Big Lead	0	20	81
	Heavy Synth	0	24	81
	Waspy Synth	0	25	81
	Pulse Saw	0	40	81
	Dr. Lead	0	41	81
	VelocityLead	0	45	81
	Seq.Analog	0	96	81
	CalliopeLead	0	0	82
	Pure Pad	0	65	82
	Chiff Lead	0	0	83
	Rubby	0	64	83
	Charang Lead	0	0	84
	DistortedLd	0	64	84
	Wire Lead	0	65	84
	Voice Lead	0	0	85
	Synth Aahs	0	24	85
	Vox Lead	0	64	85
	Fifths Lead	0	0	86
	Big Five	0	35	86
	Bass & Lead	0	0	87
	Big & Low	0	16	87
Fat & Perky	0	64	87	
Soft Whirl	0	65	87	

Category	Voice Name	Bank Select		MIDI Program Number	
		MSB	LSB		
XG SYNTH PAD	New Age Pad	0	0	88	
	Fantasy	0	64	88	
	Warm Pad	0	0	89	
	Thick Pad	0	16	89	
	Soft Pad	0	17	89	
	Sine Pad	0	18	89	
	Horn Pad	0	64	89	
	RotaryStrngs	0	65	89	
	PolySynthPad	0	0	90	
	Poly Pad 80	0	64	90	
	Click Pad	0	65	90	
	Analog Pad	0	66	90	
	Square Pad	0	67	90	
	Choir Pad	0	0	91	
	Heaven	0	64	91	
	Itopia	0	66	91	
	CC Pad	0	67	91	
	Bowed Pad	0	0	92	
	Glacier	0	64	92	
	Glass Pad	0	65	92	
	Metallic Pad	0	0	93	
	Tine Pad	0	64	93	
	Pan Pad	0	65	93	
	Halo Pad	0	0	94	
	Sweep Pad	0	0	95	
	Shwimmer	0	20	95	
	Converge	0	27	95	
	Polar Pad	0	64	95	
	Celestial	0	66	95	
	SYNTH EFFECTS	Rain	0	0	96
		Clavi Pad	0	45	96
		Harmo Rain	0	64	96
		African Wind	0	65	96
		Carib	0	66	96
		Sound Track	0	0	97
		Prologue	0	27	97
		Ancestral	0	64	97
		Crystal	0	0	98
		SynthDr.Comp	0	12	98
		Popcorn	0	14	98
		Tiny Bells	0	18	98
		RoundGlocken	0	35	98
		GlockenChime	0	40	98
		Clear Bells	0	41	98
		Chorus Bells	0	42	98
Synth Mallet		0	64	98	
Soft Crystal		0	65	98	
Loud Glocken		0	66	98	
ChristmasBel		0	67	98	
Vibe Bells		0	68	98	
DigitalBells		0	69	98	
Air Bells		0	70	98	
Bell Harp		0	71	98	
Gamelimba		0	72	98	
Atmosphere		0	0	99	
Warm Atmos.		0	18	99	
HollwRelease		0	19	99	
NylonEIPiano		0	40	99	
Nylon Harp		0	64	99	
Harp Vox		0	65	99	
Atmos.Pad		0	66	99	
Planet		0	67	99	
Brightness		0	0	100	
FantasyBells		0	64	100	
Smokey		0	96	100	
Goblins	0	0	101		

Category	Voice Name	Bank Select		MIDI Program Number	
		MSB	LSB		
XG	SYNTH EFFECTS	GoblinsSynth	0	64	101
		Creeper	0	65	101
		Ring Pad	0	66	101
		Ritual	0	67	101
		To Heaven	0	68	101
		Night	0	70	101
		Glisten	0	71	101
		Bell Choir	0	96	101
		Echoes	0	0	102
		Echoes2	0	8	102
		Echo Pan	0	14	102
		Echo Bells	0	64	102
		Big Pan	0	65	102
		Synth Piano	0	66	102
		Creation	0	67	102
		Star Dust	0	68	102
		Reso&Panning	0	69	102
		Sci-Fi	0	0	103
		Starz	0	64	103
		ETHNIC	Sitar	0	0
	DetunedSitar		0	32	104
	Sitar 2		0	35	104
	Tambra		0	96	104
	Tamboura		0	97	104
	Banjo		0	0	105
	Muted Banjo		0	28	105
	Rabab		0	96	105
	Gopichant		0	97	105
	Oud		0	98	105
	Shamisen		0	0	106
	Koto		0	0	107
	Taisho-kin		0	96	107
Kanoon	0		97	107	
Kalimba	0		0	108	
Bagpipe	0		0	109	
Fiddle	0		0	110	
Shanai	0		0	111	
Shanai2	0		64	111	
Pungi	0		96	111	
Hichiriki	0	97	111		
PERCUSSIVE	Tinkle Bell	0	0	112	
	Bonang	0	96	112	
	Altair	0	97	112	
	GamelanGongs	0	98	112	
	StereoGamlan	0	99	112	
	Rama Cymbal	0	100	112	
	Asian Bells	0	101	112	
	Agogo	0	0	113	
	Steel Drums	0	0	114	
	Glass Perc.	0	97	114	
	Thai Bells	0	98	114	
	Woodblock	0	0	115	
	Castanets	0	96	115	
	Taiko Drum	0	0	116	
	Gran Cassa	0	96	116	
	Melodic Tom	0	0	117	
	MelodicTom2	0	64	117	
	Real Tom	0	65	117	
	Rock Tom	0	66	117	
	Synth Drum	0	0	118	
	Analog Tom	0	64	118	
	ElectroPerc.	0	65	118	
	Rev.Cymbal	0	0	119	

Category	Voice Name	Bank Select		MIDI Program Number		
		MSB	LSB			
XG	SOUND EFFECTS	GtrFretNoise	0	0	120	
		Breath Noise	0	0	121	
		Seashore	0	0	122	
		Bird Tweet	0	0	123	
		TelephonRing	0	0	124	
		Helicopter	0	0	125	
		Applause	0	0	126	
		Gunshot	0	0	127	
		SFX	CuttingNoise	64	0	0
			CuttingNoiz2	64	0	1
			String Slap	64	0	3
			Fl.Key Click	64	0	16
			Shower	64	0	32
	Thunder		64	0	33	
	Wind		64	0	34	
	Stream		64	0	35	
	Bubble		64	0	36	
	Feed		64	0	37	
	Dog		64	0	48	
	Horse		64	0	49	
	Bird Tweet 2		64	0	50	
	Ghost		64	0	54	
	Maou		64	0	55	
	Phone Call		64	0	64	
	Door Squeak		64	0	65	
	Door Slam		64	0	66	
	Scratch Cut		64	0	67	
	ScratchSplit		64	0	68	
	Wind Chime		64	0	69	
	TelphonRing2	64	0	70		
	CarEngineIgn	64	0	80		
	CarTiresSql	64	0	81		
	Car Passing	64	0	82		
	Car Crash	64	0	83		
Siren	64	0	84			
Train	64	0	85			
Jet Plane	64	0	86			
Starship	64	0	87			
Burst	64	0	88			
RollrCoaster	64	0	89			
Submarine	64	0	90			
Laugh	64	0	96			
Scream	64	0	97			
Punch	64	0	98			
Heartbeat	64	0	99			
FootSteps	64	0	100			
Machine Gun	64	0	112			
Laser Gun	64	0	113			
Explosion	64	0	114			
Firework	64	0	115			

Category	Voice Name	Bank Select		MIDI Program Number
		MSB	LSB	
Oriental	Oud	0	113	105
	Nay 1	0	114	77
	Kawala	0	113	77
	Kanoun	0	113	107
	Saz	0	121	25
	Oud Tremolo	0	115	105
	Surnay	0	114	111
	Bouzouki	0	120	25
	Santoor	0	113	15
	Rababa	0	115	40
	Bouzouk	0	119	25
	Nay 2	0	115	77
	Nay Takasim	0	116	77
	Kanoun Oct.	0	114	107
	Baglamas	0	116	105
	Awtar 1	0	117	105
	Sorna 1	0	122	111
	Tar	0	114	105
	Santuri	0	114	15
	Kamanche	0	114	40
	Awtar 2	0	118	105
	Sorna 2	0	113	111
	Gerba	0	117	111
	Gerba Chorus	0	121	111
	Dosaleh	0	112	111
	Mijwez	0	115	111
	Mizmar	0	116	111
	Mizmar Oct.	0	119	111
	Al Badou	0	120	111
	Argoul	0	118	111
	Solo 1	0	120	81
	Solo 2	0	121	81
	Solo 3	0	122	81
	Solo 4	0	123	81
	Solo 5	0	124	81
	Accordion	0	116	21
	Watariyat 1	0	117	48
	Watariyat 2	0	118	48
	Watariyat 3	0	119	48
	Pizzicato	0	113	45
	Brass 1	0	121	61
	Brass 2	0	122	61
	Brass 3	0	123	61

Category	Voice Name	Bank Select		MIDI Program Number
		MSB	LSB	
Percussion	Arabic Kit	126	0	36
	Khaligi Kit	126	0	37
	Iranian Kit	126	0	38
	ArabicMixKit	126	0	64
	KhaligiMixKit	126	0	65
	IranianMixKit	126	0	66
	Vibraphone	0	112	11
	JazzVibes	0	113	11
	Marimba	0	112	12
	Xylophone	0	112	13
	SteelDrums	0	112	114
	Celesta	0	112	8
	Glocken	0	112	9
	MusicBox	0	112	10
	TubularBell	0	112	14
	Kalimba	0	112	108
	Dulcimer	0	112	15
	Timpani	0	112	47
	StandardKit1	127	0	0
	StandardKit2	127	0	1
	RoomKit	127	0	8
	RockKit	127	0	16
	ElectroKit	127	0	24
	AnalogKit	127	0	25
	DanceKit	127	0	27
	JazzKit	127	0	32
	BrushKit	127	0	40
	SymphonyKit	127	0	48
	StyStd.Kit	127	0	80
	StyBrushKit	127	0	82
SFXKit1	126	0	66	
SFXKit2	126	0	1	

Drum/key Assignment List

Liste der Tastenzuordnungen der Schlaginstrumente

Liste d'assignation instrument de batterie/touche du clavier

Bank Select MSB (0-127)				127	127	127	127	127
Bank Select LSB (0-127)				0	0	0	0	0
Program Change (0-127)				0	1	8	16	24
MIDI		Key Off	Alternate Group	Standard Kit 1	Standard Kit 2	Room Kit	Rock Kit	Electro Kit
Note#	Note							
13	C#-1		3	Surdo Mute				
14	D-1		3	Surdo Open				
15	D#-1			Hi Q				
16	E-1			Whip Slap				
17	F-1		4	Scratch H				
18	F#-1		4	Scratch L				
19	G-1			Finger Snap				
20	G#-1			Click Noise				
21	A-1			Metronome Click				
22	A#-1			Metronome Bell				
23	B-1			Seq Click L				
24	C0			Seq Click H				
25	C#0			Brush Tap				
26	D0	O		Brush Swirl				
27	D#0			Brush Slap				
28	E0	O		Brush Tap Swirl				Reverse Cymbal
29	F0	O		Snare Roll				
30	F#0			Castanet				Hi Q 2
31	G0			Snare Soft	Snare Soft 2		Snare Noisy	Snare Snappy Electro
32	G#0			Sticks				
33	A0			Kick Soft				Kick 3
34	A#0			Open Rim Shot	Open Rim Shot H Short			
35	B0			Kick Tight			Kick 2	Kick Gate
36	C1			Kick	Kick Short		Kick Gate	Kick Gate Heavy
37	C#1			Side Stick	Side Stick Light			
38	D1			Snare	Snare Short	Snare Snappy	Snare Rock	Snare Noisy 2
39	D#1			Hand Clap				
40	E1			Snare Tight	Snare Tight H	Snare Tight Snappy	Snare Rock Tight	Snare Noisy 3
41	F1			Floor Tom L		Tom Room 1	Tom Rock 1	Tom Electro 1
42	F#1		1	Hi-Hat Closed				
43	G1			Floor Tom H		Tom Room 2	Tom Rock 2	Tom Electro 2
44	G#1		1	Hi-Hat Pedal				
45	A1			Low Tom		Tom Room 3	Tom Rock 3	Tom Electro 3
46	A#1		1	Hi-Hat Open				
47	B1			Mid Tom L		Tom Room 4	Tom Rock 4	Tom Electro 4
48	C2			Mid Tom H		Tom Room 5	Tom Rock 5	Tom Electro 5
49	C#2			Crash Cymbal 1				
50	D2			High Tom		Tom Room 6	Tom Rock 6	Tom Electro 6
51	D#2			Ride Cymbal 1				
52	E2			Chinese Cymbal				
53	F2			Ride Cymbal Cup				
54	F#2			Tambourine				
55	G2			Splash Cymbal				
56	G#2			Cowbell				
57	A2			Crash Cymbal 2				
58	A#2			Vibraslap				
59	B2			Ride Cymbal 2				
60	C3			Bongo H				
61	C#3			Bongo L				
62	D3			Conga H Mute				
63	D#3			Conga H Open				
64	E3			Conga L				
65	F3			Timbale H				
66	F#3			Timbale L				
67	G3			Agogo H				
68	G#3			Agogo L				
69	A3			Cabasa				
70	A#3			Maracas				
71	B3	O		Samba Whistle H				
72	C4	O		Samba Whistle L				
73	C#4			Guiro Short				
74	D4	O		Guiro Long				
75	D#4			Claves				
76	E4			Wood Block H				
77	F4			Wood Block L				
78	F#4			Cuica Mute				Scratch H 2
79	G4			Cuica Open				Scratch L 2
80	G#4		2	Triangle Mute				
81	A4		2	Triangle Open				
82	A#4			Shaker				
83	B4			Jingle Bells				
84	C5			Bell Tree				
85	C#5							
86	D5							
87	D#5							
88	E5							
89	F5							
90	F#5							
91	G5							

Bank Select MSB (0-127)				126	126	126	126
Bank Select LSB (0-127)				0	0	0	0
Program Change (0-127)				36	37	38	64
MIDI Note#	Note	Key Off	Alternate Group	Arabic Kit	Khaligi Kit	Iranian Kit	Arabic Mix Kit
				13	C#-1		3
14	D-1		3	Zarb Tom f	Khaligi Bongo Low Tak		Conga Analog M
15	D#-1			Zarb Eshareh	Khaligi Bongo High Sak		Conga Analog L
16	E-1			Zarb Whipping	Khaligi Bongo High Dom		Vibraslap
17	F-1		4	Tombak Tom f	Tabel Lewa High Sak		Kick Techno L
18	F#-1		4	Neghareh Tom f	Khaligi Bongo Snap		Side Stick Arabic Mix
19	G-1			Tombak Back f	Tabel Lewa High Dom		Snare Techno
20	G#-1			Neghareh Back f	Lewa Cymbal 2		Guero Long
21	A-1			Tombak Snap f	Tabel Lewa Big Dom		Kick Techno Q
22	A#-1			Neghareh Pelang f	Lewa Cymbal 1		Open Rim Shot
23	B-1			Tombak Trill	Tabel Lewa Big Tak		Kick
24	C0			Khaligi Clap 1	Tablah Big Dom 1		Kick Arabic Mix
25	C#0			Zalgouta Open	Tablah Big Tak 1		Snare Tight
26	D0	O		Khaligi Clap 2	Tablah Big Sak 1		Snare Arabic Mix
27	D#0			Zalgouta Close	Tablah Big Dom 2		Hand Clap
28	E0	O		Arabic Hand Clap	Tablah Big Tak 2		Snare
29	F0	O		Tabel Tak 1	Tablah Big Sak 2		Tom Electro 1
30	F#0			Sagat 1	Tablah Small Snap 2		Hi-Hat Closed Arabic Mix
31	G0			Tabel Dom	Tablah Small Dom		Tom Electro 2
32	G#0			Sagat 2	Tablah Small Snap		Hi-Hat Closed 3
33	A0			Tabel Tak 2	Tablah Small Tik		Tom Electro 3
34	A#0			Sagat 3	Tablah Small Sak		Hi-Hat Open Arabic Mix
35	B0			Riq Tik 3	Manjoor		Tom Electro 4
36	C1			Riq Tik 2	Twaisat 1	Daf Tom	Tom Electro 5
37	C#1			Riq Tik Hard 1	Twaisat 4 Open	Daf Chain Up	Crash Cymbal 1
38	D1			Riq Tik 1	Twaisat 5 Open	Daf Back	Tom Electro 6
39	D#1			Riq Tik Hard 2	Twaisat 2	Daf Chain Down	Hi-Hat Open 3
40	E1			Riq Tik Hard 3	Tar Low Dom 1	Daf Chap	Reverse Cymbal
41	F1			Riq Tish	Tar Low Sak 1	Daf Full Roll	Timbale L
42	F#1		1	Riq Snouj 2	Tar Segal Dom	Daf Chain Roll	Conga H Open
43	G1			Riq Roll	Tar Low Dom 2	Daf Whipping Roll	Timbale H
44	G#1		1	Riq Snouj	Tar Segal Tak	Clap	Conga H Mute
45	A1			Riq Sak	Tar Low Dom 2	Finger Snap 1	Tambourine
46	A#1		1	Riq Snouj 3	Tar Segal Sak	Neghareh Roll	Conga L
47	B1			Riq Snouj 4	Arabic Hand Clap	Neghareh Tom	Cowbell
48	C2			Riq Tak 1	Tar High Dom 1	Neghareh Snap (Pelang)	Claves
49	C#2			Riq Brass 1	Tar High Sak 1	Neghareh Chap	Bongo H
50	D2			Riq Tak 2	Tar High Dom 2	Neghareh Eshareh	Wood Block H
51	D#2			Riq Brass 2	Tar High Sak 2	Neghareh Back	Bongo L
52	E2			Riq Dom	Khaligi Clap 1	Kurdish Dohol Low	Wood Block L
53	F2			Katem Tak Doff	Khaligi Clap 2	Kurdish Dohol High	Iranian Kurdish Dohol Low f
54	F#2			Katem Dom	Merwas Solo 1 Dom	Kurdish Dohol Low Buzz	Cabasa
55	G2			Katem Sak 1	Merwas Solo 2 Dom	Lurish Dohol Low	Iranian Kurdish Dohol High f
56	G#2			Katem Tak 1	Merwas Solo 1 Sak	Lurish Dohol Low Buzz	Shaker
57	A2			Katem Sak 2	Merwas Solo 2 Sak	Lurish Dohol High	Snap 1
58	A#2			Katem Tak 2	Merwas Solo 1 Tak	Tombak Full Roll	Maracas
59	B2			Daholla Sak 2	Merwas Solo 2 Tak	Tombak Timpani Roll	Snap 2
60	C3			Daholla Sak 1	Tar Barashim Group Dom	Tombak Tom	Khaligi Twaisat 3
61	C#3			Daholla Tak 1	Tar Barashim Group Sak	Tombak Eshareh Right	Khaligi Twaisat 1
62	D3			Daholla Dom	Tar Barashim Group Tak	Tombak Back	Khaligi Twaisat 2
63	D#3			Daholla Tak 2	Tar Barashim Solo Sak	Tombak Eshareh Left	Khaligi Twaisat 5 Open
64	E3			Tablah Prok	Tar Barashim Solo Dom	Tombak Snap	Khaligi Twaisat 4 Open
65	F3			Tablah Dom 2	Tar Barashim Solo Tak	Zarb Tom	Khaligi Tablah Small Dom
66	F#3			Tablah Roll of Edge	Yahla Dom 1	Zarb Whipping	Khaligi Tar Barashim Group Dom
67	G3			Tablah Tak Finger 4	Yahla Tak 1	Zarb Back	Khaligi Tablah Small Snap
68	G#3			Tablah Tak Trill 1	Yahla Dom 2	Zarb Eshareh	Khaligi Tar Barashim Group Sak
69	A3			Tablah Tak Finger 3	Yahla Tak 2	Zarb Chap	Khaligi Tablah Small Sak
70	A#3			Tablah Tak Trill 2	Nagara High	Zarb Full Roll	Khaligi Tar Barashim Group Tak
71	B3	O		Tablah Tak Finger 2	Nagara Low	Zarb Snap	Khaligi Tablah Small Tik
72	C4	O		Tablah Tak Finger 1	Zeer Low Dom 1	Zarb Whipping Roll	Khaligi Tablah Big Dom 1
73	C#4			Tablah Tik 2	Zeer Low Roll	Dayereh Roll	Khaligi Tar Segal Dom
74	D4	O		Tablah Tik 4	Zeer Low Dom 2	Dayereh Tom	Khaligi Tablah Big Tak 1
75	D#4			Tablah Tik 3	Zeer High Roll	Dayereh Eshareh	Khaligi Tar Segal Tak
76	E4			Tablah Tik 1	Zeer Low Dom 2	Dayereh Back	Khaligi Tablah Big Sak 1
77	F4			Tablah Tak 3	Zeer High Dom 1	Dayereh Snap	Tablah Dom 1
78	F#4			Tablah Tak 1	Tabel Low Dom	Dayereh Edge Roll	Tablah Tak 1
79	G4			Tablah Tak 4	Zeer High Dom 2		Tablah Tremolo
80	G#4		2	Tablah Tak 2	Tabel Low Tak		Tablah Tak 2
81	A4		2	Tablah Sak 2	Tabel High Dom		Tablah Tik 1
82	A#4			Tablah Tremolo	Tabel High Sak		Tablah Sak 1
83	B4			Tablah Sak 1	Tabel High Tak		Tablah Tik 3
84	C5			Tablah Dom 1	Tabel Low Sak		Tablah Tik 2
85	C#5						
86	D5						
87	D#5						
88	E5						
89	F5						
90	F#5						
91	G5						

* Key Off: Keys marked "O" stop sounding the instant they are released.

* 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.

Same as Standard Kit 1
No Sound

126	126	126	126
0	0	0	0
65	66	0	1
Khakigi Mix Kit	Iranian Mix Kit	SFX Kit 1	SFX Kit 2
Zalgouta Open	Bongo H		
Bell Tree	Bongo L		
Zalgouta Close	Conga H Open		
Timbale H	Conga L		
Timbale L	Floor Tom L		
Conga H Mute	Hi-Hat Closed		
Bongo H	Floor Tom H		
Conga H Open	Hi-Hat Pedal		
Bongo L	Low Tom		
Conga L	Hi-Hat Open		
Shaker	Ride Cymbal 1		
Tablah Dom 1	Kick		
Tablah Tak Finger 3	Side Stick		
Tablah Tik 3	Snare		
Tablah Tak Finger 4	Crash Cymbal 1		
Tablah Tik 4	Snare Tight		
Tablah Tik 1	Khaligi Tablah Big Dom 1		
Tablah Tremolo	Khaligi Tablah Big Sak 1		
Cowbell	Khaligi Tablah Big Tak 1		
Hand Clap	Arabic Doholla Sak 1		
Tambourine	Arabic Doholla Tom		
Snare Tight	Arabic Doholla Tak 2		
Kick Analog Short	Arabic Doholla Tak 1		
Kick	Daf Tom	Cutting Noise	Phone Call
Crash Cymbal 1	Daf Chain Up	Cutting Noise 2	Door Squeak
Snare	Daf Back		Door Slam
Crash Cymbal 2	Daf Chain Down	String Slap	Scratch Cut
Side Stick	Daf Chap		Scratch H 3
Floor Tom L	Daf Full Roll		Wind Chime
Hi-Hat Closed	Daf Chain Roll		Telephone Ring 2
Floor Tom H	Daf Whipping Roll		
Hi-Hat Pedal	Clap		
Low Tom	Finger Snap 1		
Hi-Hat Open	Neghareh Roll		
Mid Tom L	Neghareh Tom		
Mid Tom H	Neghareh Snap (Pelang)		
Finger Snap 1	Neghareh Chap		
Chinese Cymbal	Neghareh Eshareh		
Finger Snap 2	Neghareh Back		
Riq Brass 2	Kurdish Dohol Low	Flute Key Click	Car Engine Ignition
Riq Brass 1	Kurdish Dohol High		Car Tires Squeal
Riq Tish	Kurdish Dohol Low Buzz		Car Passing
Riq Snouj 1	Lurish Dohol Low		Car Crash
Riq Roll	Lurish Dohol Low Buzz		Siren
Riq Snouj 2	Lurish Dohol High		Train
Riq Sak 1	Tombak Full Roll		Jet Plane
Riq Dom	Tombak Timpani Roll		Starship
Riq Snouj 3	Tombak Tom		Burst
Tombak Back	Tombak Eshareh Right		Roller Coaster
Tombak Tom	Tombak Back		Submarine
Tombak Snap	Tombak Eshareh Left		
Tombak Eshareh Right	Tombak Snap		
Claves	Zarb Tom		
Daf Chap	Zarb Whipping		
Daf Tom	Zarb Back		
Daf Full Roll	Zarb Eshareh	Shower	Laugh
Triangle Mute	Zarb Chap	Thunder	Scream
Daf Back	Zarb Full Roll	Wind	Punch
Triangle Open	Zarb Snap	Stream	Heart Beat
Neghareh Tom	Zarb Whipping Roll	Bubble	Foot Steps
Neghareh Back	Dayereh Roll	Feed	
Neghareh Roll	Dayereh Tom		
Neghareh Snap (Pelang)	Dayereh Eshareh		
Wood Block H	Dayereh Back		
Wood Block L	Dayereh Snap		
Zarb Back	Dayereh Edge Roll		
Zarb Tom	Twaisat 4 Open		
Zarb Eshareh	Twaisat 2		
Zarb Whipping	Twaisat 5 Open		
Zarb Chap	Twaisat 1		
Hi-Hat Closed Analog	Timbale H		
Hi-Hat Open Analog	Timbale L	Dog	Machine Gun
		Horse	Laser Gun
		Bird Tweet 2	Explosion
			Firework
		Ghost	
		Maou	

Style List

Liste der Styles

Liste des styles

Category	Style Name
Pop&Rock	8Beat
	60'sGtrPop
	8BeatAdria
	FunkyFusion
	8BeatModern
	PopBallad
	LoveSong
	16BeatBallad
	6-8ModernEP
	AnalogBallad
	HipHopPop
	HipHopLight
	HipHopGroove
	EuroTrance
	Ibiza
	Garage
	LimboRock
	60'sRock&Roll
	CrocoTwist
	6-8Blues
	6-8Soul
	Hoedown
	ChristmasSwing
Latin&Jazz	BrazilianSamba
	BossaNova
	SlowBossa
	RumbalIsland
	RmbFlamenca
	PopSamba
	PopBossa
	RockChaCha
	HappyReggae
	JumboReggae
	Salsa
	Mambo
	Beguine
	Caribbean
	FastBossa
	BigBandMambo
	BigBandSalsa
	BigBandFast
	BigBandMid
	MoonlightBallad
	Swing
	JazzBallad
	JazzClub
	Charleston
	GypsySwing
	Bebop

Category	Style Name
Dance&Ballroom	VienneseWaltz
	EnglishWaltz
	Slowfox
	Foxtrot
	Quickstep
	OrgQuickstep
	Tango1
	Tango2
	Swingfox
	Pasodoble
	Samba
	ChaChaCha
	Rumba
	Jive
	Musette
	SwingWaltz
	6-8March
	GermanMarch
Turkish&Greek	2-4OyunHavasi
	ArapOryantal
	Ciftetelli
	Vahde
	Sebari
	Zeibekikos
	Tsifteteli
	Syrtorumba
	Hasapiko
	Hasaposerviko
	5-8OyunHavasi
	7-8OyunHavasi
	Misket
	9-8Standart
	9-8Modern
	Kalamatianos
	Tsamikos
	Karsilamas
Kamilieriko	
Bagio	
Halay	
Sek	
Azeri-Kafkas	
Vals	
Turkish8Beat	
TurkishDisco	
5-8Greek	
7-8Greek	

Category	Style Name
Arabic	Saeidy1
	Saeidy2
	Saeidy3
	Saeidy4
	Maksoum
	Karachi
	Laff1
	Baladi
	Ayoub
	MaksoumSarih
	Katakoufti
	6-8Soudassi
	Ibrahimi
	Zaffah
	Hajaa
	Khaligi
	Rumba
	WehdaKabira
	WehdaSaghira
	Wehda
	SaeidyDance
	LaffDance1
	LaffDance2
	KarachiDance
	Jerk
	Laff2
	MasmoudiKabir
	10-8Samai
	Fox
	Valse
	SaeidyMix
	MaksoumMix
BaladiMix	
NawaryMix	
ZaffahMix	
IbrahimiMix	

Multi Pad Bank List

Multi-Pad-Bank-Liste

Liste des banques multi-pads

Category	Style Name	
Khaligi	KhaligiRhumba1	
	KhaligiRhumba2	
	KhaligiRhumba3	
	KhaligiRhumba4	
	Shakshaka1	
	Shakshaka2	
	Khebaiti1	
	Khebaiti2	
	Emarati	
	Muruba	
	Bastah1	
	Dazzah	
	Sharah1	
	Sharah2	
	Seeroos	
	AlBudoor	
	Wahdea	
	Samri	
	Mathoalath	
	Ashori1	
	Ashori2	
	Liwa	
	Tanborah	
	Sout1	
	Sout2	
	Adani1	
	Maghrebi	
	Ray1	
	Ray2	
	Ray3	
	Khammari1	
	Khammari2	
	Suwaheli	
	Fegeri	
	Iranian	BandariDance
		ModernTehrani
		AzariClassic
		Kermanshahi
		Gilaki1
		Afghani1
Tehrani1		
Lezgi		
Tehrani2		
Reng1		
Avaaz		
Asouri		
Reng2		
RengTraditional		
RengOrch		
Bandari1		
Bandari2		
Bandari3		
AzariDance		
Kurdish		
KurdishClassic		
Gilaki2		
Lori1		
Afghani2		
Khorasani1		

Category	Bank Name	
Arabic	Arabic Perc	
	Tablah	
	Riq	
	SagatClap	
	Arabic Loop 1	
	Arabic Loop 2	
	Arabic Guitar	
	Khaligi	Khaligi Perc 1
		Khaligi Perc 2
		Khaligi Perc 3
Khaligi Sagat		
Sout		
Tar		
Ray		
Khaligi Loop 1		
Khaligi Loop 2		
Khaligi Loop 3		
Liwa		
Iranian	Iranian Perc 1	
	Iranian Perc 2	
	Iranian Loop 1	
	Iranian Loop 2	
	Iranian Loop 3	
Turkish	TurkishI Loop 1	
	TurkishI Loop 2	
	Kanoun Chord	
Turkish Guitar		
Greek	Greek Chord	
Perc.	Tom Flam	
	Crash Kit	
	Drum Kit 1	
	Drum Kit 2	
	Drum Kit 3	
	Latin Perc 1	
	Latin Perc 2	
	Dance Kit	
	Brass	Attention 1
		Attention 2
Fanfare 1		
Fanfare 2		
Swingy		
Brassy 1		
Brassy 2		
SynBrass		

Category	Bank Name
Mallets	Mallet Fills
Paino/Arpeggio	Piano Man
	Heaven Arp
	Piano Arp
	Harpeggio 1
	Harpeggio 2
	Arpeggio
	Crystal Arp
	Twinkle Arp
	Piano Gliss
Xmas	Xmas 1
	Xmas 2
Guitar	Guitar Cut 1
	Guitar Cut 2
	GuitarRiff 1
	GuitarRiff 2
	Guitar Strum
Drum/SE	DrumFill
	Limbo Dancer
	DJ Set 1
	DJ Set 2
SE	OrchestraHit
	Water SE
	Horror SE
	Night SE
	Day SE
	Car SE
	Big Bells
	Whistle
	MagicBell SE
	Classical
	Flamenco Gtr
	Salsa Piano
	Samba Show1
Samba Show2	
TimbalesRoll	

Harmony/Echo Type List

Liste der Harmony/Echo-Effekttypen

Liste des types d'harmonie/d'écho

STANDARD DUET
STANDARD TRIO
FULL CHORD
ROCK DUET
COUNTRY DUET
COUNTRY TRIO
BLOCK
4-WAY CLOSE 1
4-WAY CLOSE 2

4-WAY OPEN
1+5
OCTAVE
STRUM
MULTI ASSIGN
ECHO
TREMOLO
TRILL

Effect Type List

Liste der Effekttypen

Liste des types d'effet

■ Reverb Type

Effect Name	Type MSB	Type LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
WHITE ROOM	16	0
TUNNEL	17	0
CANYON	18	0
BASEMENT	19	0
NO EFFECT	0	0

■ Chorus Type

Effect Name	Type MSB	Type LSB
CHORUS1	66	17
CHORUS2	66	8
CHORUS3	66	16
CHORUS4	66	1
CHORUS5	65	2
CHORUS6	65	0
CHORUS7	65	1
CHORUS8	65	8
CELESTE1	66	0
CELESTE2	66	2
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
NO EFFECT	0	0

■ Variation Type

Effect Name	Type MSB	Type LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
CHORUS1	66	17
CHORUS2	66	8
CHORUS3	66	16
CHORUS4	66	1
CHORUS5	65	2
CHORUS6	65	0
CHORUS7	65	1
CHORUS8	65	8
CELESTE1	66	0
CELESTE2	66	2
SYMPHONIC1	68	16
SYMPHONIC2	68	0
KARAOKE1	20	0
KARAOKE2	20	1
KARAOKE3	20	2
ER1	9	0
ER2	9	1
GATE REVERB	10	0
REVERS GATE	11	0
EQ DISCO	76	16
EQ TEL	76	17
2BAND EQ	77	0
3BAND EQ	76	0
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
DELAY LCR1	5	16
DELAY LCR2	5	0
DELAY LR	6	0
ECHO	7	0
CROSS DELAY	8	0
DIST HEAVY	73	0
OVERDRIVE	74	0
DIST HARD (DISTORTION HARD)	75	16
DIST HARD2	75	22
DIST HARD3	75	25
DIST SOFT (DISTORTION SOFT)	75	17
DIST SOFT2	75	23
AMP SIM (AMP SIMULATOR)	75	0

Effect Name	Type MSB	Type LSB
ST AMP2	75	21
ST AMP3	75	24
PHASER1	72	0
PHASER2	72	8
EP PHASER1	72	17
EP PHASER2	72	16
ROTARY SP1	69	16
ROTARY SP2	71	17
ROTARY SP3	71	18
ROTARY SP4	70	17
ROTARY SP5	66	18
ROTARY SP6	69	0
ROTARY SP7	71	22
ROTARY SP8	69	17
ROTARY SP9	66	19
ROTARY SP10	71	25
AUTO PAN1	71	16
AUTO PAN2	71	0
AUTO PAN3	71	23
EP AUTOPAN	71	21
EP AUTOPAN2	71	24
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
TREMOLO4	70	20
EP TREMOLO	70	18
EP TREMOLO2	70	21
GT TREMOLO1	71	20
AUTO WAH1	78	16
AUTO WAH2	78	0
AUTO WAH3	78	19
AUTO WAH4	78	20
THRU	64	0
NO EFFECT	0	0

Effect Parameter List / Liste der Effektparameter Liste des paramètres d'effets

Parameters marked with a ● in the Control column can be controlled from an AC1 (assignable controller 1) etc. However, this is valid only for a Variation effect (when selected for Insertion).

Effect Name TypeMSB (Type LSB)

HALL1, HALL2
ROOM1, ROOM2, ROOM3
STAGE1, STAGE2
PLATE

MSB = 01
MSB = 02
MSB = 03
MSB = 04

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3-30.0s	0-69	table#4	
2	Diffusion	0-10	0-10		
3	Initial Delay	0.1mS-99.3mS	0-63	table#5	
4	HPF Cutoff	Thru-8.0kHz	0-52	table#3	
5	LPF Cutoff	1.0kHz-Thru	34-60	table#3	
6					
7					
8					
9					
10	Dry/Wet	D63>W-D=W-D<W63	1-127		●
11	Rev Delay	0.1mS-99.3mS	0-63	table#5	
12	Density	0-4 (rev, var, ins1-4 block) 0-2 (ins5 block)	0-4 0-2		
13	Er/Rev Balance	E63>R-E=R-E<R63	1-127		
14					
15	Feedback Level	-63+63	1-127		
16					

DELAY L,C,R MSB = 05

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1-715.0ms	1-7150		
2	Rch Delay	0.1-715.0ms	1-7150		
3	Cch Delay	0.1-715.0ms	1-7150		
4	Feedback Delay	0.1-715.0ms	1-7150		
5	Feedback Level	-63+63	1-127		
6	Cch Level	0-127	0-127		
7	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	-12+12dB	52-76		
15	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
16	EQ High Gain	-12+12dB	52-76		

DELAY L, R MSB = 06

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1-715.0ms	1-7150		
2	Rch Delay	0.1-715.0ms	1-7150		
3	Feedback Delay 1	0.1-715.0ms	1-7150		
4	Feedback Delay 2	0.1-715.0ms	1-7150		
5	Feedback Level	-63+63	1-127		
6	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	-12+12dB	52-76		
15	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
16	EQ High Gain	-12+12dB	52-76		

ECHO MSB = 07

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay1	0.1-355.0ms	1-3550		
2	Lch Feedback Level	-63+63	1-127		
3	Rch Delay1	0.1-355.0ms	1-3550		
4	Rch Feedback Level	-63+63	1-127		
5	High Damp	0.1-1.0	1-10		
6	Lch Delay2	0.1-355.0ms	1-3550		
7	Rch Delay2	0.1-355.0ms	1-3550		
8	Delay2 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	-12+12dB	52-76		
15	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
16	EQ High Gain	-12+12dB	52-76		

CROSS DELAY MSB = 08

No.	Parameter	Display	Value	See Table	Control
1	L → R Delay	0.1-355.0ms	1-3550		
2	R → L Delay	0.1-355.0ms	1-3550		
3	Feedback Level	-63+63	1-127		
4	Input Select	L, R, L&R	0-2		
5	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	-12+12dB	52-76		
15	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
16	EQ High Gain	-12+12dB	52-76		

EARLY REF1, EARLY REF2 MSB = 09

No.	Parameter	Display	Value	See Table	Control
1	Type	S-H, L-H, Rdm, Rvs, Plt, Spr	0-5		
2	Room Size	0.1-7.0	0-44	table#6	
3	Diffusion	0-10	0-10		
4	Initial Delay	0.1mS-200.0mS	0-127	table#5	
5	Feedback Level	-63+63	1-127		
6	HPF Cutoff	Thru-8.0kHz	0-52	table#3	
7	LPF Cutoff	1.0kHz-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 REVERSE GATE MSB = 10 MSB = 11

No.	Parameter	Display	Value	See Table	Control
1	Type	TypeA, TypeB	0-1		
2	Room Size	0.1-7.0	0-44	table#6	
3	Diffusion	0-10	0-10		
4	Initial Delay	0.1mS-200.0mS	0-127	table#5	
5	Feedback Level	-63+63	1-127		
6	HPF Cutoff	Thru-8.0kHz	0-52	table#3	
7	LPF Cutoff	1.0kHz-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					

WHITE ROOM TUNNEL CANYON BASEMENT MSB = 16 MSB = 17 MSB = 18 MSB = 19

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3-30.0s	0-69	table#4	
2	Diffusion	0-10	0-10		
3	Initial Delay	0.1mS-99.3mS	0-63	table#5	
4	HPF Cutoff	Thru-8.0kHz	0-52	table#3	
5	LPF Cutoff	1.0kHz-Thru	34-60	table#3	
6	Width	0.5-10.2m	0-37	table#8	
7	Height	0.5-20.2m	0-73	table#8	
8	Depth	0.5-30.2m	0-104	table#8	
9	Wall Vary	0-30	0-30		
10	Dry/Wet	D63>W-D=W-D<W63	1-127		●
11					
12	Rev Delay	0.1mS-99.3mS	0-63	table#5	
13					
14					
15					
16					

KARAOKE1,2,3

MSB = 20

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1mS-400.0mS	0-127	table#7	
2	Feedback Level	-63+63	1-127		
3	HPF Cutoff	Thru-8.0kHz	0-52	table#3	
4	LPF Cutoff	1.0kHz-Thru	34-60	table#3	
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W-D=W-D<W63	1-127		●
11					
12					
13					
14					
15					
16					

**CHORUS1, 2, 3, 4
CELESTE1, 2, 3, 4**

**MSB = 65
MSB = 66**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz-39.7Hz	0-127	table#1	
2	LFO Depth	0-127	0-127		
3	Feedback Level	-63+63	1-127		
4	Delay Offset	0.0mS-50mS	0-127	table#2	
5					
6	EQ Low Frequency	32Hz-2.0kHz	4-40	table#3	
7	EQ Low Gain	-12+12dB	52-76		
8	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
9	EQ High Gain	-12+12dB	52-76		
10	Dry/Wet	D63>W-D=W-D<W63	1-127		●
11					
12					
13					
14					
15	Input Mode	mono/stereo	0-1		
16					

FLANGER1, 2, 3

MSB = 67

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz-39.7Hz	0-127	table#1	
2	LFO Depth	0-127	0-127		
3	Feedback Level	-63+63	1-127		
4	Delay Offset	0.0mS-50mS	0-127	table#2	
5					
6	EQ Low Frequency	32Hz-2.0kHz	4-40	table#3	
7	EQ Low Gain	-12+12dB	52-76		
8	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
9	EQ High Gain	-12+12dB	52-76		
10	Dry/Wet	D63>W-D=W-D<W63	1-127		●
11					
12					
13					
14	LFO Phase Difference	-180+180deg (resolution=3deg.)	4-124		
15					
16					

SYMPHONIC

MSB = 68

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz-39.7Hz	0-127	table#1	
2	LFO Depth	0-127	0-127		
3	Delay Offset	0.0mS-50mS	0-127	table#2	
4					
5					
6	EQ Low Frequency	32Hz-2.0kHz	4-40	table#3	
7	EQ Low Gain	-12+12dB	52-76		
8	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
9	EQ High Gain	-12+12dB	52-76		
10	Dry/Wet	D63>W-D=W-D<W63	1-127		●
11					
12					
13					
14					
15					
16					

ROTARY SPEAKER

MSB = 69, LSB = 0, 16, 17

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz-39.7Hz	0-127	table#1	●
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	-12+12dB	52-76		
8	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
9	EQ High Gain	-12+12dB	52-76		
10	Dry/Wet	D63>W-D=W-D<W63	1-127		
11					
12					
13					
14					
15					
16					

TREMOLO

MSB = 70

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz-39.7Hz	0-127	table#1	●
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	-12+12dB	52-76		
8	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
9	EQ High Gain	-12+12dB	52-76		
10					
11					
12					
13					
14	LFO Phase Difference	-180+180deg (resolution=3deg.)	4-124		
15	Input Mode	mono/stereo	0-1		
16					

AUTO PAN

MSB = 71

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz-39.7Hz	0-127	table#1	●
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, Return, L/R	0-5		
5					
6	EQ Low Frequency	32Hz-2.0kHz	4-40	table#3	
7	EQ Low Gain	-12+12dB	52-76		
8	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
9	EQ High Gain	-12+12dB	52-76		
10					
11					
12					
13					
14					
15					
16					

PHASER 1

MSB = 72, LSB = 0

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz-39.7Hz	0-127	table#1	
2	LFO Depth	0-127	0-127		
3	Phase Shift Offset	0-127	0-127		
4	Feedback Level	-63+63	1-127		
5					
6	EQ Low Frequency	32Hz-2.0kHz	4-40	table#3	
7	EQ Low Gain	-12+12dB	52-76		
8	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
9	EQ High Gain	-12+12dB	52-76		
10	Dry/Wet	D63>W-D=W-D<W63	1-127		●
11	Stage	6, 7, 8, 9, 10	6-10		
12					
13					
14					
15					
16					

PHASER 2

MSB = 72, LSB = 8

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz-39.7Hz	0-127	table#1	
2	LFO Depth	0-127	0-127		
3	Phase Shift Offset	0-127	0-127		
4	Feedback Level	-63+63	1-127		
5					
6	EQ Low Frequency	32Hz-2.0kHz	4-40	table#3	
7	EQ Low Gain	-12+12dB	52-76		
8	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
9	EQ High Gain	-12+12dB	52-76		
10	Dry/Wet	D63>W-D=W-D<W63	1-127		●
11	Stage	3, 4, 5	3-5		
12					
13	LFO Phase Difference	-180deg+180deg (resolution=3deg.)	4-124		
14					
15					
16					

**DISTORTION
OVERDRIVE**

**MSB = 73, LSB = 0
MSB = 74**

No.	Parameter	Display	Value	See Table	Control
1	Drive	0-127	0-127		●
2	EQ Low Frequency	32Hz-2.0kHz	4-40	table#3	
3	EQ Low Gain	-12-+12dB	52-76		
4	LPF Cutoff	1.0kHz-Thru	34-60	table#3	
5	Output Level	0-127	0-127		
6					
7	EQ Mid Frequency	100Hz-10.0kHz	14-54	table#3	
8	EQ Mid Gain	-12-+12dB	52-76		
9	EQ Mid Width	1.0-12.0	10-120		
10	Dry/Wet	D63>W-D=W-D<W63	1-127		
11	Edge (Clip Curve)	0-127	0-127	mild-sharp	
12					
13					
14					
15					
16					

AMP SIMULATOR

MSB = 75, LSB = 0

No.	Parameter	Display	Value	See Table	Control
1	Drive	0-127	0-127		●
2	AMP Type	Off, Stack, Combo, Tube	0-3		
3	LPF Cutoff	1.0kHz-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	0-127	mild-sharp	
12					
13					
14					
15					
16					

STEREO AMP SIMULATOR

MSB = 75, LSB = 21, 24

No.	Parameter	Display	Value	See Table	Control
1	Drive	0-127	0-127		●
2	AMP Type	Off, Stack, Combo, Tube	0-3		
3	LPF Cutoff	1.0kHz-Thru	34-60		
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	0-127		
12					
13					
14					
15					
16					

3BAND EQ (MONO)

MSB = 76

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Gain	-12-+12dB	52-76		
2	EQ Mid Frequency	100Hz-10.0kHz	14-54	table#3	
3	EQ Mid Gain	-12-+12dB	52-76		
4	EQ Mid Width	1.0-12.0	10-120		
5	EQ High Gain	-12-+12dB	52-76		
6	EQ Low Frequency	50Hz-2.0kHz	8-40	table#3	
7	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
8					
9					
10					
11					
12					
13					
14					
15	Input Mode	mono/stereo	0-1		
16					

2BAND EQ (STEREO)

MSB = 77

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Frequency	32Hz-2.0kHz	4-40	table#3	
2	EQ Low Gain	-12-+12dB	52-76		
3	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
4	EQ High Gain	-12-+12dB	52-76		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

AUTO WAH

MSB = 78, LSB = 0, 16, 19, 20

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz-39.7Hz	0-127	table#1	
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	-12-+12dB	52-76		
8	EQ High Frequency	500Hz-16.0kHz	28-58	table#3	
9	EQ High Gain	-12-+12dB	52-76		
10	Dry/Wet	D63>W-D=W-D<W63	1-127		
11					
12					
13					
14					
15					
16					

NO EFFECT

MSB = 0

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

THRU

MSB = 64

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

Parameter 10 Dry/Wet only affects insertion type effects.

Parameter Chart

Parametertabelle

Tableau des paramètres

Settings are saved/called up for each type.

Data Type	The data is saved...	The data is called up...	Saved Location
Setup	When you change settings in a display page and then exit from the page.	When you turn off the power and then turn on the power.	System area of the internal memory (Flash Memory)
Voice	When you change settings in the Voice Set display and then save the data as Voice file.	When you call up a voice.	Voice File
Song	When you save the recorded or edited (current) song as a Song file.	When you call up a song, play a song or move the song position.	Song File
Style	When you save the recorded or edited data as a Style file.	When you call up a style.	Style File
Regist.	When you memorize settings with the REGISTRATION buttons and then save the data as a Registration Bank File.	When you call up an Regist. by pressing one of REGISTRATION MEMORY buttons.	Registration Bank File

If parameters belonging to more than one type are set, the new settings take priority over the old.

Parameter	System Setup	Voice	Voice Set Group	Song	Song Setup Group	Style	Scale Memory	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
MainWindow											
Transpose	X	X	—	X	—	X	X	O	Tune/Trans	—	
UpperOctave	X	X	—	X	—	X	X	O	Voice	—	
SplitPoint (Accomp)	O	X	—	O	Guide Setting	X	X	O	Style	Split	
SplitPoint (Left)	O	X	—	X	—	X	X	O	Style	Split	
SongFile	X	X	—	X	—	X	X	O	Song	—	
StyleFile	X	X	—	O	—	X	X	O	Style	—	
IntroEndingSection	X	X	—	X	—	O	X	X	—	—	
VoiceFile (Main, Layer, Left)	X	X	—	X	—	X	X	X	—	—	The data that is saved to Regist. is not actual Voice, but Program Change.
MultiPadFile	X	X	—	O	Keyboard Voice	X	X	O	MultiPad	—	
RegistrationBankFile	X	X	—	X	—	X	X	X	—	—	
ScaleTuneBankFile	X	X	—	X	—	X	X	X	—	—	
PartSelect	X	X	—	X	—	X	X	X	—	—	
PartOnOff (Main, Layer)	X	X	—	O	Keyboard Voice	X	X	O	Voice	—	
PartOnOff (Left)	X	X	—	O	Keyboard Voice	X	X	O	Style	—	
BalancePopup											
SongVolume	X	X	—	X	—	X	X	O	Song	—	
StyleVolume	X	X	—	O	—	X	X	O	Style	—	
M.PadVolume	X	X	—	O	Keyboard Voice	X	X	O	MultiPad	—	
MainVolume	X	X	—	O	Keyboard Voice	X	X	O	Voice	—	
LeftVolume	X	X	—	O	Keyboard Voice	X	X	O	Style	—	
LayerVolume	X	X	—	O	Keyboard Voice	X	X	O	Voice	—	
Channel OnOffPopup											
ChannelOnOff (Song)	X	X	—	X	—	X	X	X	—	—	For songs that have no channel on/off message, all are set to on.
ChannelOnOff (Style)	X	X	—	O	—	O	X	O	Style	—	
VoiceEffect											
Touch	X	X	—	X	—	X	X	O	Voice	—	
Sustain	X	X	—	X	—	X	X	O	Voice	—	
LeftHold	X	X	—	O	Keyboard Voice	X	X	O	Style	—	
Dsp (Main, Layer)	X	O	Effects	O	Keyboard Voice	X	X	O	Voice	—	
Dsp (Left)	X	O	Effects	O	Keyboard Voice	X	X	O	Style	—	
Variation (Main, Layer)	X	O	Effects	O	Keyboard Voice	X	X	O	Voice	—	
Variation (Left)	X	O	Effects	O	Keyboard Voice	X	X	O	Style	—	
Harmony/Echo	X	X	—	O	Keyboard Voice	X	X	O	Harmony	—	
Poly/Mono (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Poly/Mono (Left)	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Registration											
FreezeOnOff	X	X	—	X	—	X	X	X	—	—	
RegistMemoryPopupSetting	O	X	—	X	—	X	X	X	—	—	Filter settings when registering Registration.
RegistNumber	X	X	—	X	—	X	X	X	—	—	
RegistContentsName	X	X	—	X	—	X	X	O	—	—	
ScaleMemory											
ScaleMemoryNumber	X	X	—	X	—	X	X	X	—	—	
ScaleContentsName	X	X	—	X	—	X	O	X	—	—	
ScaleTune											
Scale	X	X	—	X	—	X	O	O	Scale	—	
Tune	X	X	—	X	—	X	O	O	Scale	—	
BaseNote	X	X	—	X	—	X	O	O	Scale	—	
PartSelect	X	X	—	X	—	X	O	O	Scale	—	
Menu>Function											
Master Tune											
MasterTune	O	X	—	X	—	X	X	X	—	—	
SongSetting											
QuickStart	O	X	—	X	—	X	X	X	—	—	
SongChainPlay	O	X	—	X	—	X	X	X	—	—	
Channel Setting											
Track1 Channel	O	X	—	O	—	X	X	X	—	—	
Track2 Channel	O	X	—	O	—	X	X	X	—	—	
Auto Ch Set	O	X	—	X	—	X	X	X	—	—	
Phrase Mark	X	X	—	X	—	X	X	X	—	—	

Parameter	System Setup	Voice	Voice Set Group	Song	Song Setup Group	Style	Scale Memory	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
StyleSetting/SplitPoint/ChordFingering											
StyleSetting/SplitPoint											
StopAmp	O	X	—	X	—	X	X	X	—	—	
SynchroStopWindow	O	X	—	X	—	X	X	X	—	—	
AccompTouch	O	X	—	X	—	X	X	X	—	—	
SectionSet	O	X	—	X	—	X	X	X	—	—	
SplitPoint (Accomp) --> MainWindow											
SplitPoint (Left) --> MainWindow											
ChordFingering											
FingeringType	O	X	—	X	—	X	X	O	Style	—	
TutorRoot	X	X	—	X	—	X	X	X	—	—	
TutorType	X	X	—	X	—	X	X	X	—	—	
Controller											
Pedal											
PedalType	X	X	—	X	Keyboard Voice	X	X	O	Pedal	—	
PedalSettings	X	X	—	X	Keyboard Voice	X	X	O	Pedal	—	
PedalTypeDefaultSetting	X	X	—	X	—	X	X	X	X	—	
PedalPolarity	O	X	—	X	—	X	X	X	—	—	
Keyboard/Panel											
TouchSense	O	X	—	X	—	X	X	X	—	—	
TouchOffLevel	X	X	—	X	—	X	X	O	Voice	—	
TouchOnOff	X	X	—	X	—	X	X	O	Voice	—	
ModulationWheel	X	X	—	X	—	X	X	O	Voice	—	
TransposeAssign	O	X	—	X	—	X	X	X	—	—	
Regist.Sequence/Freeze/VoiceSet											
RegistrationSequence											
RegistSequenceData	X	X	—	X	—	X	X	O	—	—	Memorized as a single Registration Bank file.
RegistSequenceEnable	O	X	—	X	—	X	X	X	—	—	
Regist (+) Pedal	O	X	—	X	—	X	X	X	—	—	
Regist (-) Pedal	O	X	—	X	—	X	X	X	—	—	
SequenceEnd	X	X	—	X	—	X	X	O	—	—	Memorized as a single Registration Bank file.
Freeze											
FreezeGroupSetting	O	X	—	X	—	X	X	X	—	—	
VoiceSet											
VoiceSetEnable Main	O	X	—	X	—	X	X	X	—	—	
VoiceSetEnable Layer	O	X	—	X	—	X	X	X	—	—	
VoiceSetEnable Left	O	X	—	X	—	X	X	X	—	—	
Harmony/Echo											
Type	X	O	Harm	O	Keyboard Voice	X	X	O	Harm	—	
Volume	X	O	Harm	O	Keyboard Voice	X	X	O	Harm	—	
Speed	X	O	Harm	O	Keyboard Voice (Included in Type)	X	X	O	Harm	—	
Assign	X	O	Harm	O	Keyboard Voice	X	X	O	Harm	—	
ChordNoteOnly	X	O	Harm	O	Keyboard Voice	X	X	O	Harm	—	
TouchLimit	X	O	Harm	O	Keyboard Voice	X	X	O	Harm	—	
Utility											
Configuration											
Speaker	O	X	—	X	—	X	X	X	—	—	
DisplayVoiceNumber	O	X	—	X	—	X	X	X	—	—	
MetronomeVolume	O	X	—	X	—	X	X	X	—	—	
MetronomeSound	O	X	—	X	—	X	X	X	—	—	
TimeSignature	X	X	—	O	—	O	X	X	—	—	
ParameterLock	O	X	—	X	—	X	X	X	—	—	
TapCountPercussion	X	X	—	O	Keyboard Voice	X	X	O	Style	—	
TapCountVelocity	X	X	—	O	Keyboard Voice	X	X	O	Style	—	
LCDBrightness	O	X	—	X	—	X	X	X	—	—	Cannot be reset with Factory Reset.
FadeInTime	O	X	—	X	—	X	X	X	—	—	
FadeOutTime	O	X	—	X	—	X	X	X	—	—	
FadeOutHoldTime	O	X	—	X	—	X	X	X	—	—	
Disk											
FloppyDiskSongAutoOpen	O	X	—	X	—	X	X	X	—	—	
Owner											
OwnerName	O	X	—	X	—	X	X	X	—	—	Cannot be reset with Factory Reset.
Language	O	X	—	X	—	X	X	X	—	—	Cannot be reset with Factory Reset.
SystemReset											
FactoryResetSetting	X	X	—	X	—	X	X	X	—	—	Cannot be reset with Factory Reset.
MIDI											
System											
Local Control	X	X	—	X	—	X	X	X	—	—	
Clock	X	X	—	X	—	X	X	X	—	—	
Transmit Clock	X	X	—	X	—	X	X	X	—	—	
Receive Transpose	X	X	—	X	—	X	X	X	—	—	
Receive Start/Stop	X	X	—	X	—	X	X	X	—	—	
SysEx Transmit	X	X	—	X	—	X	X	X	—	—	
SysEx Receive	X	X	—	X	—	X	X	X	—	—	
Chord SysEx Transmit	X	X	—	X	—	X	X	X	—	—	
Chord SysEx Receive	X	X	—	X	—	X	X	X	—	—	
Transmit											
Part (Ch1-16)	X	X	—	X	—	X	X	X	—	—	
Filter (Ch1-16)	X	X	—	X	—	X	X	X	—	—	
Receive											
Mode(Ch1-32)	X	X	—	X	—	X	X	X	—	—	
Filter (Ch1-32)	X	X	—	X	—	X	X	X	—	—	

Parameter	System Setup	Voice	Voice Set Group	Song	Song Setup Group	Style	Scale Memory	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
Root	X	X	—	X	—	X	X	X	—	—	
Chord Detect	X	X	—	X	—	X	X	X	—	—	
MIDI Template											
Template No.	O	X	—	X	—	X	X	X	—	—	
Template Name	X	X	—	X	—	X	X	X	—	—	
Song											
Track1, 2 On/Off	X	X	—	O	—	X	X	X	—	—	Setting is linked to Channel on/off.
ExtraTracks On/Off	X	X	—	X	—	X	X	X	—	—	Setting is linked to Channel on/off.
Synchro Start	X	X	—	X	—	X	X	X	—	—	
Start/Stop	X	X	—	X	—	X	X	X	—	—	
A-B Repeat	X	X	—	X	—	X	X	X	—	—	
DigitalStudio>DigitalRecording>Song Creator											
Rec Mode											
Rec Start	X	X	—	X	—	X	X	X	—	—	
PunchInAt	X	X	—	X	—	X	X	X	—	—	
Rec Stop	X	X	—	X	—	X	X	X	—	—	
PunchOutAt	X	X	—	X	—	X	X	X	—	—	
Pedal Punch In/Out	X	X	—	X	—	X	X	X	—	—	
Quantize											
Track	X	X	—	X	—	X	X	X	—	—	
Size	X	X	—	X	—	X	X	X	—	—	
Strength	X	X	—	X	—	X	X	X	—	—	
Delete	X	X	—	X	—	X	X	X	—	—	
Mix											
Source1	X	X	—	X	—	X	X	X	—	—	
Source2	X	X	—	X	—	X	X	X	—	—	
Destination	X	X	—	X	—	X	X	X	—	—	
Channel Transpose	X	X	—	X	—	X	X	X	—	—	
SetUp	O	X	—	X	—	X	X	X	—	—	
Filter											
Main Filter	O	X	—	X	—	X	X	X	—	—	
Control Change Filter	O	X	—	X	—	X	X	X	—	—	
Accompaniment Filter	O	X	—	X	—	X	X	X	—	—	
Tempo											
Tempo	X	X	—	O	—	O	X	O	Tempo	—	
Transpose --> MainWindow											
UpperOctave --> MainWindow											
MultiPad											
Multi Pad ContentsName	X	X	—	X	—	X	X	X	—	—	
DigitalStudio>DigitalRecording>Multi Pad Creator											
Repeat	X	X	—	X	—	X	X	X	—	—	
Chord Match	X	X	—	X	—	X	X	X	—	—	
Filter											
Main Filter	O	X	—	X	—	X	X	X	—	—	
Control Change Filter	O	X	—	X	—	X	X	X	—	—	
DigitalStudio>DigitalRecording>Style Creator											
Basic											
Section	X	X	—	X	—	X	X	X	—	—	
Pattern Length	X	X	—	X	—	O	X	X	—	—	
Tempo	X	X	—	X	—	O	X	X	—	—	
Beat	X	X	—	X	—	O	X	X	—	—	
Assembly											
Source Pattern	X	X	—	X	—	X	X	X	—	—	
Section	X	X	—	X	—	X	X	X	—	—	
Part	X	X	—	X	—	X	X	X	—	—	
Play Type	X	X	—	X	—	X	X	X	—	—	
Groove											
Original Beat	X	X	—	X	—	X	X	X	—	—	
Beat Converter	X	X	—	X	—	X	X	X	—	—	
Swing	X	X	—	X	—	X	X	X	—	—	
Fine	X	X	—	X	—	X	X	X	—	—	
Dynamics											
Part	X	X	—	X	—	X	X	X	—	—	
Accent Type	X	X	—	X	—	X	X	X	—	—	
Strength	X	X	—	X	—	X	X	X	—	—	
Expand/Comp.	X	X	—	X	—	X	X	X	—	—	
Boost/Cut	X	X	—	X	—	X	X	X	—	—	
Quantize											
Part	X	X	—	X	—	X	X	X	—	—	
Size	X	X	—	X	—	X	X	X	—	—	
Strength	X	X	—	X	—	X	X	X	—	—	
Velocity Change											
Part	X	X	—	X	—	X	X	X	—	—	
Boost/Cut	X	X	—	X	—	X	X	X	—	—	
Measure Copy											
Part	X	X	—	X	—	X	X	X	—	—	
Measure Top	X	X	—	X	—	X	X	X	—	—	
Measure Last	X	X	—	X	—	X	X	X	—	—	
Destination	X	X	—	X	—	X	X	X	—	—	
Measure Clear											
Part	X	X	—	X	—	X	X	X	—	—	
Measure Top	X	X	—	X	—	X	X	X	—	—	
Measure Last	X	X	—	X	—	X	X	X	—	—	

Parameter	System Setup	Voice	Voice Set Group	Song	Song Setup Group	Style	Scale Memory	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
Remove Event											
Part	X	X	—	X	—	X	X	X	—	—	
Event	X	X	—	X	—	X	X	X	—	—	
Parameter											
Part	X	X	—	X	—	X	X	X	—	—	
Source Root	X	X	—	X	—	O	X	X	—	—	
Source Chord	X	X	—	X	—	O	X	X	—	—	
NTR	X	X	—	X	—	O	X	X	—	—	
NTT	X	X	—	X	—	O	X	X	—	—	
High Key	X	X	—	X	—	O	X	X	—	—	
Note Limit	X	X	—	X	—	O	X	X	—	—	
RTR	X	X	—	X	—	O	X	X	—	—	
Filter											
Main Filter	O	X	—	X	—	X	X	X	—	—	
Control Change Filter	O	X	—	X	—	X	X	X	—	—	
Style											
AccompanimentOnOff	X	X	—	X	—	X	X	O	Style	—	
AutoFillOnOff	O	X	—	X	—	X	X	X	—	—	
Section	X	X	—	O	—	X	X	O	Style	—	
SynchroStart	X	X	—	X	—	X	X	X	—	—	
SynchroStop	X	X	—	X	—	X	X	X	—	—	
StartStop	X	X	—	O	—	X	X	X	—	—	
DigitalStudio>SoundCreator											
Voice (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Voice (Left)	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Volume for Balance (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Volume for Balance (Left)	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Touch Sens (Main, Layer)	X	O	Voice	X	Keyboard Voice	X	X	O	Voice	—	
Touch Sens (Left)	X	O	Voice	X	Keyboard Voice	X	X	O	Style	—	
Octave for Left	X	O	Voice	X	—	X	X	X	—	—	
Octave for Main/Layer	X	O	Voice	X	—	X	X	X	—	—	
Mono/Poly --> Voice Effect											
Portament Time --> DigitalStudio>Mixing Console											
Filter Brightness --> DigitalStudio>Mixing Console											
Filter Resonance --> DigitalStudio>Mixing Console											
EG Attack (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
EG Attack (Left)	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
EG Decay (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
EG Decay (Left)	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
EG Release (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
EG Release (Left)	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Vibrato Depth (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Vibrato Depth (Left)	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Vibrato Speed (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Vibrato Speed (Left)	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Vibrato Delay (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Vibrato Delay (Left)	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Reverb Depth --> DigitalStudio>Mixing Console											
Chorus Depth --> DigitalStudio>Mixing Console											
DSP On/Off --> Voice Effect											
DSP Depth --> DigitalStudio>Mixing Console											
Panel Sustain (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Panel Sustain (Left)	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
DSP Type (Main, Layer)	X	O	Effect	O	Keyboard Voice	X	X	O	Voice	—	
DSP Type (Left)	X	O	Effect	O	Keyboard Voice	X	X	O	Style	—	
LastSelectedDSP	X	X	—	X	—	X	X	X	—	—	Memorized only when Sound Creator opened
DSP Variation --> Voice Effect											
DSP Fast Value (Main, Layer)	X	O	Effects	O	Keyboard Voice	X	X	O	Voice	—	
DSP Fast Value (Left)	X	O	Effects	O	Keyboard Voice	X	X	O	Style	—	
Harmony/Echo											
Type --> Harmony/Echo											
Volume --> Harmony/Echo											
Speed --> Harmony/Echo											
Assign --> Harmony/Echo											
ChordNoteOnly --> Harmony/Echo											
TouchLimit --> Harmony/Echo											
DigitalStudio>Mixing Console											
Auto Revoice											
On/Off	O	X	—	X	—	X	X	X	—	—	
Setup	O	X	—	X	—	X	X	X	—	—	
Volume											
Style Part	X	X	—	O	—	O	X	O	Style	—	
Song Part	X	X	—	O	Volume	X	X	X	—	—	
Main, Layer --> MainWindow>BalancePopup>MainVolume/LayerVolume											
Left --> MainWindow>BalancePopup>LeftVolume											
Acmp (Offset) --> MainWindow>BalancePopup>StyleVolume											
Song (Offset) --> MainWindow>BalancePopup>SongVolume											
Multi Pad --> MainWindow>BalancePopup>M.PadVolume											
Voice											
Acmp Part	X	X	—	X	—	O	X	O	Style	—	
Song Part	X	X	—	O	Voice	X	X	X	—	—	

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	Scale Memory	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
PanPot											
Acmp Part	X	X	—	O	—	O	X	O	Style	—	
Song Part	X	X	—	O	Pan	X	X	X	—	—	
Main, Layer	X	X	—	O	Keyboard Voice	X	X	O	Voice	—	
Left	X	X	—	O	Keyboard Voice	X	X	O	Style	—	
Acmp (Offset)	X	X	—	X	—	X	X	O	Style	—	
Song (Offset)	X	X	—	X	—	X	X	X	—	—	
Multi Pad	X	X	—	X	—	X	X	O	Multi Pad	—	
Brightness											
Acmp Part	X	X	—	X	—	O	X	O	Style	—	
Song Part	X	X	—	O	Filter	X	X	X	—	—	
Main, Layer	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Left	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Harmonic Contents											
Acmp Part	X	X	—	X	—	O	X	O	Style	—	
Song Part	X	X	—	O	Filter	X	X	X	—	—	
Main, Layer	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Left	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Octave											
Main, Layer	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Left	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Tune											
Main, Layer	X	X	—	O	Keyboard Voice	X	X	O	Voice	—	
Left	X	X	—	O	Keyboard Voice	X	X	O	Style	—	
Portament Time											
Main, Layer	X	O	Voice	O	Keyboard Voice	X	X	O	Voice	—	
Left	X	O	Voice	O	Keyboard Voice	X	X	O	Style	—	
Pitch Bend Range											
Main, Layer	X	X	Voice	X	—	X	X	O	Voice	—	
Left	X	X	Voice	X	—	X	X	O	Style	—	
Transpose											
Master	X	X	—	X	—	X	X	O	Transpose	—	
Song	X	X	—	X	—	X	X	O	Transpose	—	
Keyboard	X	X	—	X	—	X	X	O	Transpose	—	
Reverb Type	X	X	—	X	—	O	X	O	Style/Song	Reverb Type	
Reverb Return Level	X	X	—	X	—	X	X	O	Style/Song	Reverb Return Level	
Reverb Depth											
Acmp Part	X	X	—	X	—	O	X	O	Style	—	
Song Part	X	X	—	O	Effect	X	X	X	—	—	
Main, Layer	X	O	Effect	O	Keyboard Voice	X	X	O	Voice	—	
Left	X	O	Effect	O	Keyboard Voice	X	X	O	Style	—	
Acmp (Offset)	X	X	—	X	—	X	X	O	Style	—	
Song (Offset)	X	X	—	X	—	X	X	X	—	—	
Multi Pad	X	X	—	X	—	X	X	O	Multi Pad	—	
Chorus Type	X	X	—	X	—	O	X	O	Style/Song	—	
Chorus Return Level	X	X	—	X	—	X	X	O	Style/Song	Chorus Return Level	
Chorus Depth											
Acmp Part	X	X	—	X	—	O	X	O	Style	—	
Song Part	X	X	—	O	Effect	X	X	X	—	—	
Main, Layer	X	O	Effect	O	Keyboard Voice	X	X	O	Voice	—	
Left	X	O	Effect	O	Keyboard Voice	X	X	O	Style	—	
Acmp (Offset)	X	X	—	X	—	X	X	O	Style	—	
Song (Offset)	X	X	—	X	—	X	X	X	—	—	
Multi Pad	X	X	—	X	—	X	X	O	Multi Pad	—	
DSP Type	X	O	Effect	O	Keyboard Voice	X	X	O	Voice/Song	—	
DSP Return Level	X	X	—	X	—	X	X	O	Voice/Song	DSP Return Level	
DSP Depth											
Style Part	X	X	—	X	—	O	X	O	Style	—	
Song Part	X	X	—	O	Effect	X	X	X	—	—	
Main, Layer	X	O	Effect	O	Keyboard Voice	X	X	O	Voice	—	
Left	X	O	Effect	O	Keyboard Voice	X	X	O	Style	—	

MIDI Data Format

MIDI-Datenformat

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

- 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 0000-1
- aaH (hexidecimal)/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	Status byte		1st Data byte		2nd Data byte		Corresponding Voice	MIDI Reception (respond/ignore)					MIDI Transmission (generated data)								
	Status		Data (HEX)	Parameter	Data (HEX)	Parameter	Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M. Pad	Style	Song	MIDI			
Key Off	8nH	(n:Channel Number)	kk	Key no. (0-127)	vv	Velocity (0-127)	o	o	o	o	o	o	X	X	X	X	o	X			
Key On	9nH	(n:Channel Number)	kk	Key no. (0-127)	vv	Key On: vv=1-127 Key Off: vv=0	o	o	o	o	o	o	o	o	o	o	o	X			
Control Change	BnH	(n:Channel Number)	0 (00H)	Bank Select MSB	0 64 126 127 (00H) (40H) (7EH) (7FH)	Normal SFX voice SFX kit Drum kit	o	o	o	o	o	o	o	o	X	o	o	o	X		
			1 (01H)	Modulation	0-127 (00H...7FH)	Data	o	o	o	o	o	o	o	o	o	o	o	o	o	X	
			5 (05H)	Portamento Time	0-127 (00H...7FH)	Data	o	o	o	o	o	o	X	o	o	o	X	o	o	X	
			6 (06H)	Data Entry MSB	0-127 (00H...7FH)	Data	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			7 (07H)	Main Volume	0-127 (00H...7FH)	Data	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			10 (0AH)	Panpot	0-127 (00H...7FH)	L64...C... R63	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			11 (0BH)	Expression	0-127 (00H...7FH)	Data	o	o	o	o	o	o	o	o	o	o	o	o	o	o	X
			32 (20H)	Bank Select LSB	0-127 (00H...7FH)	Data	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			38 (26H)	Data Entry LSB	0-127 (00H...7FH)	Data	o	o	o	o	o	o	X	o	o	o	X	o	X	o	X
			64 (40H)	Sustain (Damper)	0-127 (00H...7FH)	Data	o	o	o	o	o	o	X	o	o	o	o	o	X	o	X
			65 (41H)	Portamento	0-127 (00H...7FH)	0...63, 64...127 (OFF, ON)	o	o	o	o	o	o	X	o	o	o	o	o	X	o	X
			66 (42H)	Sostenuto	0-127 (00H...7FH)	0...63, 64...127 (OFF, ON)	o	o	o	o	o	o	X	o	o	o	o	o	X	o	X
			67 (43H)	Soft Pedal	0-127 (00H...7FH)	0...63, 64...127 (OFF, ON)	o	o	o	o	o	o	X	o	o	o	o	o	X	o	X
			71 (47H)	Harmonic Content	0-127 (00H...7FH)	-64... 0...+63	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			72 (48H)	Release Time	0-127 (00H...7FH)	-64... 0...+63	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			73 (49H)	Attack Time	0-127 (00H...7FH)	-64... 0...+63	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			74 (4AH)	Brightness	0-127 (00H...7FH)	-64... 0...+63	o	o	o	o	o	o	X	o	o	o	X	o	o	o	X
			84 (54H)	Portamento Control	0-127 (00H...7FH)	Key no. (0-127)	o	o	o	o	o	X	o	o	o	o	o	X	o	X	X
			91 (5BH)	Effect1 Depth (Reverb Send Level)	0-127 (00H...7FH)	Data	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			93 (5DH)	Effect3 Depth (Chorus Send Level)	0-127 (00H...7FH)	Data	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			94 (5EH)	Effect4 Depth (Variation Send Level)	0-127 (00H...7FH)	Data	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			96 (60H)	RPN Increment	— —	*1	o	o	o	o	o	X	o	o	o	o	X	X	o	X	X
			97 (61H)	RPN Decrement	— —	*1	o	o	o	o	o	X	o	o	o	o	X	X	o	X	X
			98 (62H)	NRPN LSB	0-127 (00H...7FH)	Data	o	o	o	o	o	X	o	o	o	o	o	X	o	o	X
			99 (63H)	NRPN MSB	0-127 (00H...7FH)	Data	o	o	o	o	o	X	o	o	o	o	o	X	o	o	X
			100 (64H)	RPN LSB	0-127 (00H...7FH)	Data	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
			101 (65H)	RPN MSB	0-127 (00H...7FH)	Data	o	o	o	o	o	o	o	o	o	o	X	o	o	o	X
Mode Message	BnH	(n:Channel Number)	120 (78H)	All Sound Off	0 (00H)	Data	o	o	o	o	o	o	o	X	X	o	X	o	X		
			121 (79H)	Reset All Controllers	0 (00H)	Data	o	o	o	X	X	X	X	X	X	X	o	X	o	X	
			123 (7BH)	All Note Off	0 (00H)	Data	o	o	o	o	o	o	o	o	o	X	X	o	X	o	X
			124 (7CH)	Omni Off	0 (00H)	Data	o	o	o	X	X	X	X	X	X	X	X	o	X	o	X
			125 (7DH)	Omni On	0 (00H)	Data	o	o	o	X	X	X	X	X	X	X	X	o	X	o	X
			126 (7EH)	Mono	0-16 (00H...10H)	Data	o	o	o	X	X	X	X	X	X	X	X	o	X	o	X
127 (7FH)	Poly	0 (00H)	Data	o	o	o	X	X	X	X	X	X	X	X	o	X	o	X			
Program Change	CnH	(n:Channel Number)	pp (00H...7FH)	Voice Number (0-127)	— —	—	o	o	o	o	o	o	o	o	X	o	o	o	X		
Channel After Touch	DnH	(n:Channel Number)	vv (00H...7FH)	Data	— —	—	o	o	o	o	o	o	o	X	X	o	X	o	X		
Polyphonic After Touch	AnH	(n:Channel Number)	kk (00H...7FH)	Key no. (0-127)	vv (00H...7FH)	Data	X	X	X	X	X	X	X	X	X	X	X	o	X		
Pitch Bend Change	EnH	(n:Channel Number)	cc (00H...7FH)	LSB	dd (00H...7FH)	MSB	o	o	o	o	o	o	o	o	o	o	o	o	X		
Realtime Message	F8H	MIDI Clock	—	—	—	—	—	o	(*2)	o	o	o	o	o	o	o	o	o	o		
	FAH	Start	—	—	—	—	—	—	o	(*2)	o	o	o	o	o	o	o	o	o		
	FBH	Continue	—	—	—	—	—	—	—	X	o	o	o	o	o	o	o	o	o		
	FCH	Stop	—	—	—	—	—	—	—	o	(*2)	o	o	o	o	o	o	o	o		
	FEH	Active Sens	—	—	—	—	—	—	—	o	o	o	o	o	o	o	o	o	o		
	FFH	System Reset	—	—	—	—	—	—	—	X	o	o	o	o	o	o	o	o	o		

*1 The data byte is ignored.

*2 Received when the Clock is set to External.

*3 Transmitted when the Clock is set to Internal and Transmit Clock is set to on.

*4 Transmitted when the Transmit Clock is set to on.

MIDI CHANNEL MESSAGE (2)

NRPN

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice	MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
01H	08H	mmH	—	Vibrato Rate	mm: 00H-40H-7FH (-64...0...+63)	○	○	○	X	○	○	○	○	○	○	○	X
01H	09H	mmH	—	Vibrato Depth	mm: 00H-40H-7FH (-64...0...+63)	○	○	○	X	○	○	○	○	○	○	○	X
01H	0AH	mmH	—	Vibrato Delay	mm: 00H-40H-7FH (-64...0...+63)	○	○	○	X	○	○	○	○	○	○	○	X
01H	20H	mmH	—	Low Pass Filter Cutoff Frequency	mm: 00H-40H-7FH (-64...0...+63)	○	○	X	X	○	X	X	○	X	○	X	○
01H	21H	mmH	—	Low Pass Filter Resonance	mm: 00H-40H-7FH (-64...0...+63)	○	○	X	X	○	X	X	○	X	○	X	○
01H	63H	mmH	—	EG Attack Time	mm: 00H-40H-7FH (-64...0...+63)	○	○	X	X	○	X	X	○	X	○	X	○
01H	64H	mmH	—	EG Decay Time	mm: 00H-40H-7FH (-64...0...+63)	○	○	○	X	○	○	○	○	○	○	○	X
01H	66H	mmH	—	EG Release	mm: 00H-40H-7FH (-64...0...+63)	○	○	X	X	○	X	X	○	X	○	X	○
14H	rrH	mmH	—	Drum Low Pass Filter Cutoff Frequency	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	○	X	X	X	X	X	○	X	X	○	X
15H	rrH	mmH	—	Drum Low Pass Filter Resonance	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	○	X	X	X	X	X	○	X	X	○	X
16H	rrH	mmH	—	Drum EG Attack Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	○	X	X	X	X	X	○	X	X	○	X
17H	rrH	mmH	—	Drum EG Decay Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	○	X	X	X	X	X	○	X	X	○	X
18H	rrH	mmH	—	Drum Pitch Coarse	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	○	X	X	X	X	X	○	X	X	○	X
19H	rrH	mmH	—	Drum Pitch Fine	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	○	○	X	X	X	X	X	○	X	X	○	X
1AH	rrH	mmH	—	Drum Level	rr: drum instrument note number mm: 00H-7FH (0...127)	○	○	X	X	X	X	X	○	X	X	○	X
1CH	rrH	mmH	—	Drum Pan	rr: drum instrument note number mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	○	○	X	X	X	X	X	○	X	X	○	X
1DH	rrH	mmH	—	Drum Reverb Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)	○	○	X	X	X	X	X	○	X	X	○	X
1EH	rrH	mmH	—	Drum Chorus Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)	○	○	X	X	X	X	X	○	X	X	○	X
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)	○	○	X	X	X	X	X	○	X	X	○	X

NRPN MSB: 14H-1FH (for drums) message is accepted as long as the channel is set with a drum voice.
Data Entry LSB: Ignored.

RPN

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice	MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
00H	00H	mmH	—	Pitch Bend Sensitivity	mm: 00H-18H (0...+24 [semitones])	○	○	○	○	○	○	○	○	○	○	○	X
00H	01H	mmH	llH	Fine Tune	mm ll: 00H 00H-100 [cent] ... mm ll: 40H 00H 0 [cent] ... mm ll: 7FH 7FH 100 [cent]	○	○	○	○	○	○	○	○	○	○	○	X
00H	02H	mmH	—	Coarse Tune	mm: 28H-40H-58H (-24...0...+24 [semitones])	○	○	○	○	○	○	○	○	○	○	○	X
7FH	7FH	—	—	Null	—	○	○	○	○	○	○	○	○	○	○	○	X

MIDI PARAMETER CHANGE TABLE

* Not Received when Receive System Exclusive Message Parameters is set to off.
 * Not transmitted when Transmit System Exclusive Message Parameters is set to on.

MIDI Parameter Change table (XG SYSTEM)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)							
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI				
0	0	0	4	00-0F	MASTER TUNE	-102.4...0...+102.3 [cent]	*Panel setting value	O	O							O (Function)	X	X	O	X
		1		00-0F																
		2		00-0F																
		3		00-0F																
		4	1	00-7F	MASTER VOLUME	0...127	7F	O	O	X	X	X	X	X	X	X	X	X	O	X
		5	1	00-7F	MASTER ATTENUATOR	0...127	0	X	X	X	X	X	X	X	X	X	X	X	O	X
		6	1	28-58	TRANPOSE	-24...0...+24 [semitones]	40	O	O	X	X	X	X	X	X	X	X	X	O	X
		7D	1	N	DRUM SETUP RESET	N: Drum setup number	—	O (Drum only)	O	X	X	X	X	X	X	X	X	X	O	X
		7E	1	0	XG SYSTEM ON	00=XG system ON	—	O	O	X	X	X	O	O	X	X	X	O	X	
		7F	1	0	ALL PARAMETER RESET	00=ON	—	O	O	X	X	X	O	O	X	X	X	O	X	

TOTAL SIZE 07

MIDI Parameter Change table (SYSTEM INFORMATION)

Address (H)	Size (H)	Data (H)	Parameter	Description	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)							
					Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI				
1	0	0	E	20-7F	Model Name 1	32...127 (ASCII CHARACTER)	—	—	—	—	—	—	—	—	X	X	X	X	O
														
		0D	1	20-7F	Model Name 14	32...127 (ASCII CHARACTER)													
		0E	1		NOT USED														
		0F	1		NOT USED														

TOTAL SIZE 10

Transmitted in response to Dump Request. Not received.

MIDI Parameter Change table (EFFECT1)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)						
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI			
2	1	0	2	00-7F	REVERB TYPE MSB	Refer to Effect Parameter List	01 (=HALL1)	O	O						O (Mixing Console)	X	O	O	X
				00-7F	REVERB TYPE LSB	"	0												
				00-7F	REVERB PARAMETER 1	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 2	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 3	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 4	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 5	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 6	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 7	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 8	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 9	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 10	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB RETURN	->dB...0dB...+6dB (0...96...127)	40	O	O						O (Mixing Console)	X	O	O	X
				01-7F	REVERB PAN	L63...C...R63	40	O	O						X	X	O	O	X

TOTAL SIZE 0E

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)						
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI			
2	1	10	1	00-7F	REVERB PARAMETER 11	Refer to Effect Parameter List	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 12	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 13	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 14	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 15	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
				00-7F	REVERB PARAMETER 16	"	Depends on Reverb Type	O	O	(*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X

TOTAL SIZE 06

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)						
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI			
2	1	20	2	00-7F	CHORUS TYPE MSB	Refer to Effect Parameter List	41 (=CHORUS1)	O	O						O (Mixing Console)	X	O	O	X
				00-7F	CHORUS TYPE LSB	"	0												
				00-7F	CHORUS PARAMETER 1	"	Depends on Chorus Type	O	O	(*Depends on Chorus Type)					O (Mixing Console)	X	O	O	X
				00-7F	CHORUS PARAMETER 2	"	Depends on Chorus Type	O	O	(*Depends on Chorus Type)					O (Mixing Console)	X	O	O	X
				00-7F	CHORUS PARAMETER 3	"	Depends on Chorus Type	O	O	(*Depends on Chorus Type)					O (Mixing Console)	X	O	O	X
				00-7F	CHORUS PARAMETER 4	"	Depends on Chorus Type	O	O	(*Depends on Chorus Type)					O (Mixing Console)	X	O	O	X

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)							
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI				
	26	1	00-7F	CHORUS PARAMETER 5	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	27	1	00-7F	CHORUS PARAMETER 6	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	28	1	00-7F	CHORUS PARAMETER 7	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	29	1	00-7F	CHORUS PARAMETER 8	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	2A	1	00-7F	CHORUS PARAMETER 9	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	2B	1	00-7F	CHORUS PARAMETER 10	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	2C	1	00-7F	CHORUS RETURN	-->dB...0dB...+6dB (0...96...127)	40	O		O					O (Mixing Console)						
	2D	1	01-7F	CHORUS PAN	L63...C...R63	40	O		O					X						
	2E	1	00-7F	SEND CHORUS TO REVERB	-->dB...0dB...+6dB (0...96...127)	0	O		O					X						
TOTAL SIZE		0F																		

	30	1	00-7F	CHORUS PARAMETER 11	Refer to Effect Parameter List	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	31	1	00-7F	CHORUS PARAMETER 12	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	32	1	00-7F	CHORUS PARAMETER 13	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	33	1	00-7F	CHORUS PARAMETER 14	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	34	1	00-7F	CHORUS PARAMETER 15	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
	35	1	00-7F	CHORUS PARAMETER 16	*	Depends on Chorus Type	O		O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)						
TOTAL SIZE		06																		

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)							
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI				
2	1	40	2	00-7F	VARIATION TYPE MSB	Refer to Effect Parameter List	05(=DELAY L, C, R)	O		O					O (Mixing Console)					
				00-7F	VARIATION TYPE LSB	*	0													
	42	2	00-7F	VARIATION PARAMETER 1 MSB	*	Depends on Variation Type	O		O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)						
				00-7F	VARIATION PARAMETER 1 LSB	*														
	44	2	00-7F	VARIATION PARAMETER 2 MSB	*	Depends on Variation Type	O		O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)						
				00-7F	VARIATION PARAMETER 2 LSB	*														
	46	2	00-7F	VARIATION PARAMETER 3 MSB	*	Depends on Variation Type	O		O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)						
				00-7F	VARIATION PARAMETER 3 LSB	*														
	48	2	00-7F	VARIATION PARAMETER 4 MSB	*	Depends on Variation Type	O		O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)						
				00-7F	VARIATION PARAMETER 4 LSB	*														
	4A	2	00-7F	VARIATION PARAMETER 5 MSB	*	Depends on Variation Type	O		O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)						
				00-7F	VARIATION PARAMETER 5 LSB	*														
	4C	2	00-7F	VARIATION PARAMETER 6 MSB	*	Depends on Variation Type	O		O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)						
				00-7F	VARIATION PARAMETER 6 LSB	*														
	4E	2	00-7F	VARIATION PARAMETER 7 MSB	*	Depends on Variation Type	O		O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)						
				00-7F	VARIATION PARAMETER 7 LSB	*														
	50	2	00-7F	VARIATION PARAMETER 8 MSB	*	Depends on Variation Type	O		O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)						
				00-7F	VARIATION PARAMETER 8 LSB	*														
	52	2	00-7F	VARIATION PARAMETER 9 MSB	*	Depends on Variation Type	O		O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)						
				00-7F	VARIATION PARAMETER 9 LSB	*														
	54	2	00-7F	VARIATION PARAMETER 10 MSB	*	Depends on Variation Type	O		O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)						
				00-7F	VARIATION PARAMETER 10 LSB	*														
	56	1	00-7F	VARIATION RETURN	-->dB...0dB...+6dB (0...96...127)	40	O		O					O (Mixing Console)						
	57	1	01-7F	VARIATION PAN	L63...C...R63	40	O		O					X						
	58	1	00-7F	SEND VARIATION TO REVERB	-->dB...0dB...+6dB (0...96...127)	0	O		O					X						
	59	1	00-7F	SEND VARIATION TO CHORUS	-->dB...0dB...+6dB (0...96...127)	0	O		O					X						
	5A	1	00-01	VARIATION CONNECTION	INSERTION, SYSTEM	0	O		O					X						
	5B	1	00-7F	VARIATION PART NUMBER	Reception: Part1...16 (0...15) Transmission: Part1...16 (0...15) AD(64) OFF(127)	7F	O		O					O (Mixing Console)						
	5C	1	00-7F	MW VARIATION CONTROL DEPTH	-64...0...+63	40	O		O					X						
	5D	1	00-7F	BEND VARIATION CONTROL DEPTH	-64...0...+63	40	O		O					X						
	5E	1	00-7F	CAT VARIATION CONTROL DEPTH	-64...0...+63	40	O		O					X						
	5F	1	00-7F	AC1 VARIATION CONTROL DEPTH	-64...0...+63	40	X		X					X X X X						
	60	1	00-7F	AC2 VARIATION CONTROL DEPTH	-64...0...+63	40	X		X					X X X X						
TOTAL SIZE		21																		

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)							
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI				
2	1	70	1	00-7F	VARIATION PARAMETER 11	Refer to Effect Parameter List	Depends on Variation Type	O		O (*Depends on Variation Type)						O (Mixing Console *Depends on Variation Type)	X	O	O	X
		71	1	00-7F	VARIATION PARAMETER 12	*	Depends on Variation Type	O		O (*Depends on Variation Type)						O (Mixing Console *Depends on Variation Type)	X	O	O	X
		72	1	00-7F	VARIATION PARAMETER 13	*	Depends on Variation Type	O		O (*Depends on Variation Type)						O (Mixing Console *Depends on Variation Type)	X	O	O	X
		73	1	00-7F	VARIATION PARAMETER 14	*	Depends on Variation Type	O		O (*Depends on Variation Type)						O (Mixing Console *Depends on Variation Type)	X	O	O	X
		74	1	00-7F	VARIATION PARAMETER 15	*	Depends on Variation Type	O		O (*Depends on Variation Type)						O (Mixing Console *Depends on Variation Type)	X	O	O	X
		75	1	00-7F	VARIATION PARAMETER 16	*	Depends on Variation Type	O		O (*Depends on Variation Type)						O (Mixing Console *Depends on Variation Type)	X	O	O	X

TOTAL SIZE 06

MIDI Parameter Change table (MULTI PART)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)							
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI				
8	nn	0	1	00-20	ELEMENT RESERVE	0...32	part10=00, other parts=02	O	O	X	X	X				X	X	O	X	
		1	1	00-7F	BANK SELECT MSB	0...127	part10=7F, other parts =00	O	O	O	X	O	O			X	X	O	X	
		2	1	00-7F	BANK SELECT LSB	0...127	0	O	O	O	X	O	O			X	X	O	X	
		3	1	00-7F	PROGRAM NUMBER	0...127	0	O	O	O	X	O	O			X	X	O	X	
		4	1	00-0F, 7F	Rcv CHANNEL	1...16, OFF	Part No.	O	O	X	X	X	X			X	X	O	X	
		5	1	00-01	MONO/POLY MODE	MONO, POLY	1	O	O	X	X	X	X			X	X	O	X	
		6	1	00-02	SAME NOTE NUMBER KEY ON ASSIGN	SINGLE, MULTI, INST (for Drum)	1	O	O	X	X	O	X			X	X	O	X	
		7	1	00-03	PART MODE	NORMAL, DRUM, DRUMS1...2	part10=02, other parts=00	O	O	X	X	X	X			O (Drum Voice)	X	X	O	X
		8	1	00-7F	CHANNEL TRANSPOSE	-24...0...+24 [semitones]	40	O	O	O	X	O	O			X	X	O	X	
		9	2	00-0F	DETUNE	-12.8...0...+12.7 [Hz]	08 00	O	O	O	X	O	O			X	X	O	X	
		0A		00-0F		1st bit3-0 → bit 7-4 2nd bit3-0 → bit 3-0														
		0B	1	00-7F	VOLUME	0...127	64	O	O	O	X	O	O			X	X	O	X	
		0C	1	00-7F	VELOCITY SENSE DEPTH	0...127	40	O	O	O	X	X	O			O (Sound Creator)	O	X	O	X
		0D	1	00-7F	VELOCITY SENSE OFFSET	0...127	40	O	O	O	X	X	O			O (Sound Creator)	O	X	O	X
		0E	1	00-7F	PAN	RND, L63...C...R63	40	O	O	O	X	O	O			X	X	O	X	
		0F	1	00-7F	NOTE LIMIT LOW	C-2...G8	0	O	O	X	X	X	X			X	X	O	X	
		10	1	00-7F	NOTE LIMIT HIGH	C-2...G8	7F	O	O	X	X	X	X			X	X	O	X	
		11	1	00-7F	DRY LEVEL	0...127	7F	O	O	O	X	O	O			O (Sound Creator)	O	X	O	X
		12	1	00-7F	CHORUS SEND	0...127	0	O	O	O	X	O	O			X	X	O	X	
		13	1	00-7F	REVERB SEND	0...127	28	O	O	O	X	O	O			X	X	O	X	
		14	1	00-7F	VARIATION SEND	0...127	0	O	O	O	X	O	O			X	X	O	X	
		15	1	00-7F	VIBRATO RATE	-64...0...+63	40	O	O	O	X	O	O			X	X	O	X	
		16	1	00-7F	VIBRATO DEPTH	-64...0...+63	40	O	O	O	X	O	O			X	X	O	X	
		17	1	00-7F	VIBRATO DELAY	-64...0...+63	40	O	O	O	X	O	O			X	X	O	X	
		18	1	00-7F	FILTER CUTOFF FREQUENCY	-64...0...+63	40	O	O	O	X	O	O			X	X	O	X	
		19	1	00-7F	FILTER RESONANCE	-64...0...+63	40	O	O	O	X	O	O			X	X	O	X	
		1A	1	00-7F	EG ATTACK TIME	-64...0...+63	40	O	O	O	X	O	O			X	X	O	X	
		1B	1	00-7F	EG DECAY TIME	-64...0...+63	40	O	O	O	X	O	O			X	X	O	X	
		1C	1	00-7F	EG RELEASE TIME	-64...0...+63	40	O	O	O	X	O	O			X	X	O	X	
		1D	1	28-58	MW PITCH CONTROL	-24...0...+24 [semitones]	40	O	O	O	X	O	O			X	X	O	X	
		1E	1	00-7F	MW LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	O	O	O	X	O	O			X	X	O	X	
		1F	1	00-7F	MW AMPLITUDE CONTROL	-100...0...+100 [%]	40	O	O	O	X	O	O			X	X	O	X	
		20	1	00-7F	MW LFO PMOD DEPTH	0...127	0A	O	O	O	X	O	O			X	X	O	X	
		21	1	00-7F	MW LFO FMOD DEPTH	0...127	0	O	O	O	X	O	O			X	X	O	X	
		22	1	00-7F	MW LFO AMOD DEPTH	0...127	0	O	O	O	X	O	O			X	X	O	X	
		23	1	28-58	BEND PITCH CONTROL	-24...0...+24 [semitones]	42	O	O	O	X	O	O			X	X	O	X	
		24	1	00-7F	BEND LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	O	O	O	X	O	O			X	X	O	X	
		25	1	00-7F	BEND AMPLITUDE CONTROL	-100...0...+100 [%]	40	O	O	O	X	O	O			X	X	O	X	
		26	1	00-7F	BEND LFO PMOD DEPTH	0...127	0	O	O	O	X	O	O			X	X	O	X	
		27	1	00-7F	BEND LFO FMOD DEPTH	0...127	0	O	O	O	X	O	O			X	X	O	X	
		28	1	00-7F	BEND LFO AMOD DEPTH	0...127	0	O	O	O	X	O	O			X	X	O	X	

TOTAL SIZE 29

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)					
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI		
	30	1	00-01	Rcv PITCH BEND	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	31	1	00-01	Rcv CH AFTER TOUCH (CAT)	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	32	1	00-01	Rcv PROGRAM CHANGE	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	33	1	00-01	Rcv CONTROL CHANGE	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	34	1	00-01	Rcv POLY AFTER TOUCH (PAT)	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	35	1	00-01	Rcv NOTE MESSAGE	OFF, ON	1	O	O	X	X	X	X	X	X	X	X	O	X
	36	1	00-01	Rcv RPN	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	37	1	00-01	Rcv NRPN	OFF, ON	XG mode=01, GM mode=00	X	X	X	X	X	X	X	X	X	X	X	X
	38	1	00-01	Rcv MODULATION	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	39	1	00-01	Rcv VOLUME	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	3A	1	00-01	Rcv PAN	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	3B	1	00-01	Rcv EXPRESSION	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	3C	1	00-01	Rcv HOLD1	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	3D	1	00-01	Rcv PORTAMENTO	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	3E	1	00-01	Rcv SOSTENUTO	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	3F	1	00-01	Rcv SOFT PEDAL	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	40	1	00-01	Rcv BANK SELECT	OFF, ON	1	X	X	X	X	X	X	X	X	X	X	X	X
	41	1	00-7F	SCALE TUNING C	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	42	1	00-7F	SCALE TUNING C#	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	43	1	00-7F	SCALE TUNING D	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	44	1	00-7F	SCALE TUNING D#	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	45	1	00-7F	SCALE TUNING E	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	46	1	00-7F	SCALE TUNING F	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	47	1	00-7F	SCALE TUNING F#	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	48	1	00-7F	SCALE TUNING G	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	49	1	00-7F	SCALE TUNING G#	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	4A	1	00-7F	SCALE TUNING A	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	4B	1	00-7F	SCALE TUNING A#	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	4C	1	00-7F	SCALE TUNING B	-63...0...+63 [cent]	40	O	O	O	X	O	O	O (Function)	X	X	O	X	X
	4D	1	28-58	CAT PITCH CONTROL	-24...0...+24 [semitones]	40	O	O	O	X	X	O	X	X	O	X	X	X
	4E	1	00-7F	CAT LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	O	O	O	X	X	O	X	X	O	X	X	X
	4F	1	00-7F	CAT AMPLITUDE CONTROL	-100...0...+100 [%]	40	O	O	O	X	X	O	X	O	X	O	X	X
	50	1	00-7F	CAT LFO PMOD DEPTH	0...127	0	O	O	O	X	X	O	X	O	X	O	X	X
	51	1	00-7F	CAT LFO FMOD DEPTH	0...127	0	O	O	O	X	X	O	X	X	O	X	X	X
	52	1	00-7F	CAT LFO AMOD DEPTH	0...127	0	O	O	O	X	X	O	X	X	O	X	X	X
	53	1	28-58	PAT PITCH CONTROL	-24...0...+24 [semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X
	54	1	00-7F	PAT LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	X	X	X	X	X	X	X	X	X	X	X	X
	55	1	00-7F	PAT AMPLITUDE CONTROL	-100...0...+100 [%]	40	X	X	X	X	X	X	X	X	X	X	X	X
	56	1	00-7F	PAT LFO PMOD DEPTH	0...127	0	X	X	X	X	X	X	X	X	X	X	X	X
	57	1	00-7F	PAT LFO FMOD DEPTH	0...127	0	X	X	X	X	X	X	X	X	X	X	X	X
	58	1	00-7F	PAT LFO AMOD DEPTH	0...127	0	X	X	X	X	X	X	X	X	X	X	X	X
	59	1	00-5F	AC1 CONTROLLER NUMBER	0...95	10	X	X	X	X	X	X	X	X	X	X	X	X
	5A	1	28-58	AC1 PITCH CONTROL	-24...0...+24 [semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X
	5B	1	00-7F	AC1 LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	X	X	X	X	X	X	X	X	X	X	X	X
	5C	1	00-7F	AC1 AMPLITUDE CONTROL	-100...0...+100 [%]	40	X	X	X	X	X	X	X	X	X	X	X	X
	5D	1	00-7F	AC1 LFO PMOD DEPTH	0...127	0	X	X	X	X	X	X	X	X	X	X	X	X
	5E	1	00-7F	AC1 LFO FMOD DEPTH	0...127	0	X	X	X	X	X	X	X	X	X	X	X	X
	5F	1	00-7F	AC1 LFO AMOD DEPTH	0...127	0	X	X	X	X	X	X	X	X	X	X	X	X
	60	1	00-5F	AC2 CONTROLLER NUMBER	0...95	11	X	X	X	X	X	X	X	X	X	X	X	X
	61	1	28-58	AC2 PITCH CONTROL	-24...0...+24 [semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X
	62	1	00-7F	AC2 LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	X	X	X	X	X	X	X	X	X	X	X	X
	63	1	00-7F	AC2 AMPLITUDE CONTROL	-100...0...+100 [%]	40	X	X	X	X	X	X	X	X	X	X	X	X
	64	1	00-7F	AC2 LFO PMOD DEPTH	0...127	0	X	X	X	X	X	X	X	X	X	X	X	X
	65	1	00-7F	AC2 LFO FMOD DEPTH	0...127	0	X	X	X	X	X	X	X	X	X	X	X	X
	66	1	00-7F	AC2 LFO AMOD DEPTH	0...127	0	X	X	X	X	X	X	X	X	X	X	X	X
	67	1	00-01	PORTAMENTO SWITCH	OFF, ON	0	O	O	O	X	X	O	X	X	O	X	X	X
	68	1	00-7F	PORTAMENTO TIME	0...127	0	O	O	O	X	X	O	X	X	O	X	X	X
	69	1	00-7F	PITCH EG INITIAL LEVEL	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X
	6A	1	00-7F	PITCH EG ATTACK TIME	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X
	6B	1	00-7F	PITCH EG RELEASE LEVEL	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X
	6C	1	00-7F	PITCH EG RELEASE TIME	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X
	6D	1	01-7F	VELOCITY LIMIT LOW	1...127	1	X	X	X	X	X	X	X	X	X	X	X	X
	6E	1	01-7F	VELOCITY LIMIT HIGH	1...127	7F	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE

3F

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)				MIDI Transmission (generated data)						
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI		
	70	1	NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	71	1	NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	72	1	00-7F EQ BASS GAIN	-12dB...+12dB	40	—	O	O	O	X	O	O	O (Mixing Console)	O	O	O	O	X
	73	1	00-7F EQ TREBLE GAIN	-12dB...+12dB	40	—	O	O	O	X	O	O	O (Mixing Console)	O	O	O	O	X

TOTAL SIZE 04

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)				MIDI Transmission (generated data)						
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI		
	74	1	NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	75	1	NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	76	1	04-28 EQ BASS FREQUENCY	32...2.0k [Hz]	0C	—	O	O	O	X	X	O	O (Sound Creator)	O	X	O	O	X
	77	1	1C-3A EQ TREBLE FREQUENCY	500...16.0k [Hz]	36	—	O	O	O	X	X	O	O (Sound Creator)	O	X	O	O	X
	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

nn = PART NUMBER

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

- BANK SELECT LSB
- MONO/POLY MODE
- SCALE TUNING
- PORTAMENTO
- PITCH EG
- FILTER MODULATION DEPTH (FMOD DEPTH)
- AMPLITUDE MODULATION DEPTH (AMOD DEPTH)

MIDI Parameter Change table (DRUM SETUP)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)				MIDI Transmission (generated data)						
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI		
3n	rr	0	1	00-7F PITCH COARSE	-64...0...+63	40	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		1	1	00-7F PITCH FINE	-64...0...+63 [cent]	40	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		2	1	00-7F LEVEL	0...127	Depends on the note	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		3	1	00-7F ALTERNATE GROUP	OFF, 1...127	Depends on the note	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		4	1	00-7F PAN	RND, L63...C...R63	Depends on the note	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		5	1	00-7F REVERB SEND	0...127	Depends on the note	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		6	1	00-7F CHORUS SEND	0...127	Depends on the note	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		7	1	00-7F VARIATION SEND	0...127	7F	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		8	1	00-01 KEY ASSIGN	SINGLE, MULTI	0	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		9	1	00-01 Rcv NOTE OFF	OFF, ON	Depends on the note	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		0A	1	00-01 Rcv NOTE ON	OFF, ON	1	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		0B	1	00-7F LOW PASS FILTER CUTOFF FREQUENCY	-64...0...+63	40	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		0C	1	00-7F LOW PASS FILTER RESONANCE	-64...0...+63	40	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		0D	1	00-7F EG ATTACK RATE	-64...0...+63	40	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		0E	1	00-7F EG DECAY1 RATE	-64...0...+63	40	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X
		0F	1	00-7F EG DECAY2 RATE	-64...0...+63	40	O (Drum only)	O	X	X	X	X	X	X	O	O	O	X

TOTAL SIZE 10

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice		MIDI Reception (effective or not for each part)				MIDI Transmission (generated data)						
						Regular Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI		
	20	1	00-7F EQ BASS GAIN	-12...+12 [dB]	40	—	X	X	X	X	X	X	X	X	X	X	X	X
	21	1	00-7F EQ TREBLE GAIN	-12...+12 [dB]	40	—	X	X	X	X	X	X	X	X	X	X	X	X
	22	1	NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	1	NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	1	04-28 EQ BASS FREQUENCY	32...2.0k [Hz]	0C	—	X	X	X	X	X	X	X	X	X	X	X	X
	25	1	1C-3A EQ TREBLE FREQUENCY	500...16.0k [Hz]	36	—	X	X	X	X	X	X	X	X	X	X	X	X
	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

n: Drum Setup Number (0-1)

rr: note number (0D-5B)

In the following cases, PSR-A1000 will initialize all Drum Setups.

XG SYSTEM ON received

GM SYSTEM ON 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

- * Not received when the Receive System Exclusive Message is set to off.
- * Not transmitted when the Transmit System Exclusive Message is set to on.

System Exclusive Messages

MIDI Event	Data Format	Corresponding Voice	MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular Voice	Song	Main Layer Left	Key-board	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Section Control	F0 43 7E 00 ss dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000000 00 = 0sssssss ss = Switch No. 00H INTRO A 01H INTRO B 02H INTRO C 03H INTRO D 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 A 21H ENDING B 22H ENDING C 23H ENDING D 0ddddddd dd = Switch On/Off 00H (Off) 7FH (On) 11110111 F7 = End of Exclusive	—	—	—	—	—	—	O (Section LED)	O (Section Sw)	X	X	O	X
Tempo Control	F0 43 7E 01 t4 t3 t2 t1 F7 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 F7 = End of Exclusive 01000011 43 = YAMAHA ID	—	—	—	—	—	—	O (Tempo indication)	O (Tempo Sw)	X	X	O	X
Chord Control	F0 43 7E tt d1 d2 d3 d4 F7 Type 1 (tt=2) 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 Offnnnn 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 Chord Same as Chord root 127:No bass chord bt: Bass Chord Same as Chord type 127:No bass chord * Not received when Receive Chord System Exclusive Message is set to off. * Not transmitted when Transmit Chord System Exclusive Message is set to on.	—	—	—	—	—	—	O (Chord indication)	O (Keyboard)	X	X	O	X
	Type2 (tt=3) 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	—	—	—	—	—	—	O (Chord indication)	X	X	X	X	X

System Exclusive Messages (Universal Realtime messages)

MIDI Event	Data Format	Corresponding Voice	MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular Voice	Song	Main Layer Left	Key-board	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Master Volume	F0 7F 7F 04 01 ll mm F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 01111111 7F = ID of target device 00000100 04 = Sub-ID #1=Device Control Message 00000001 01 = Sub-ID #2=Master Volume 01111111 ll = Volume LSB 0mmmmmmmm mm = Volume MSB 11110111 F7 = End of Exclusive or F0 7F XN 04 01 ll mm F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxxnnnn XN = When N is received N=0-F, whichever is received. X = ignored 00000100 04 = Sub-ID #1=Device Control Message 00000001 01 = Sub-ID #2=Master Volume 01111111 ll = Volume LSB 0mmmmmmmm mm = Volume MSB 11110111 F7 = End of Exclusive	O	O	X	X	X	X	X	X	X	X	X	X

System Exclusive Messages (Universal Non Realtime messages)

MIDI Event	Data Format	Corresponding Voice	MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular Voice	Song	Main Layer Left	Key-board	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
General MIDI System On	F0 7E 7F 09 01 F7 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 01111111 7F = ID of target device 00001001 09 = Sub-ID #1=General MIDI Message 00000001 01 = Sub-ID #2=General MIDI On 11110111 F7 = End of Exclusive or F0 7E XN 09 01 F7 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxxnnnn 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	O	O	X	X	X	O	O (Mixing Console)	X	X	X	O	X

System Exclusive Messages (XG)

MIDI Event	Data Format	Corresponding Voice	MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular Voice	Song	Main Layer Left	Key-board	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
XG Parameter Change	F0 43 1n 4C hh mm ll dd ... F7 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 0hhhhhhh hh = Address High 0mmmmmm mm = Address Mid 01111111 ll = Address Low 0ddddd dd = Data : : 11110111 F7 = End of Exclusive	* Refer to Parameter Change Table	* Refer to Parameter Change Table					—	* Refer to Parameter Change Table				
XG Bulk Dump	F0 43 0n 4C aa bb hh mm ll dd ... dd cc F7 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 0aaaaaaa aa = Byte Count MSB 0bbbbbbb bb = Byte Count LSB 0hhhhhhh hh = Address High 0mmmmmm mm = Address Mid 01111111 ll = Address Low 0ddddd dd = Data : : 0ddddd dd = Data 0ccccccc cc = Checksum 11110111 F7 = End of Exclusive	* Refer to Parameter Change Table	* Refer to Parameter Change Table					—	X	X	X	X (Output as Parameter Change)	O (When receiving the XG Dump Request)
XG Parameter Request	F0 43 3n 4C hh ll F7 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 0hhhhhhh hh = Address High 0mmmmmm mm = Address Mid 01111111 ll = Address Low 11110111 F7 = End of Exclusive	—	—	—	—	—	—	O (—)	X	X	X	X	X
XG Dump Request	F0 43 2n 4C hh mm ll F7 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 0hhhhhhh hh = Address High 0mmmmmm mm = Address Mid 01111111 ll = Address Low 11110111 F7 = End of Exclusive	—	—	—	—	—	—	O (—)	X	X	X	X	X

System Exclusive Messages (Others)

MIDI Event	Data Format	Corresponding Voice		MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular Voice	Song	Main Layer Left	Key-board	Style	Extra	Panel (main generation method)		M. Pad	Style	Song	MIDI	
MIDI Master Tuning	F0 43 1n 27 30 00 00 mm ll cc F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n n = always 0 (when transmit), n=0-F (when receive) 00100111 27 = Model ID of TG100 00110000 30 = Address High 00000000 00 = Address Mid 00000000 00 = Address Low 0000mmmm 0m = Master Tune MSB 00001111 0l = Master Tune LSB 0ccccccc cc = don't care 11110111 F7 = End of Exclusive	O			O				O (Function)	X	X	X	X	X

Song System Exclusive Message List

Liste der System-Exclusive-Meldungen der Songs

Liste des messages exclusifs au système de morceaux

Data Format	Parameter	Description
Panel Setting		
F0 43 73 01 22 00 0n mm ll pp F7	Panel Program Change	mm=Bank Select MSB, ll=Bank Select LSB, nn=Program Change
F0 43 73 01 22 01 0n vv F7	Panel Voice Volume	00H-07FH
F0 43 73 01 22 02 0n vv F7	Panel Voice Reverb Depth	00H-07FH
F0 43 73 01 22 03 0n vv F7	Panel Voice Effect Depth	00H-07FH

Style

F0 43 73 01 11 00 16 dd dd F7	Style No.	dd dd=StyleNo.
F0 43 73 01 51 05 00 00 08 Rhy1 Rhy2 Bass Chd1 Chd2 Pad Phr1 Phr2	Style Part On / Off	00H: OFF, 01H: ON
F0 43 73 01 51 00 00 00 03 10 00 dd F7	ACMP SPLIT POINT	00H-7FH

Song Meta Event List

Liste der Meta-Events der Songs

Liste des méta-événements des morceaux

Data Format	Parameter	Description
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SMF META Event

FF 01 len [Data]	TEXT	len=Data length, [Data]=Text data
FF 02 len [Data]	Copyright	len=Data length, [Data]=Copyright data
FF 03 len [Data]	Sequence Name	len=Data length, [Data]=Sequence Name
FF 05 len [Data]	Lyrics	len=Data length, [Data]=Lyrics data
FF 2F 00	End Of Track	
FF 51 03 t1 t2 t3	Set Tempo	t1 t2 t3 = 01D4C0H-B71B00 (5-500)
FF 58 04 nn dd cc bb	Beat (Time signature)	nn =Denominator (2n), dd=Numerator, CC=MIDI clock per metronome click, dd=Number of thirty-second notes in MIDI quarter note
FF 59 02 sf mi	Key Signature	sf=-7-7 (7 ^b -7 [#]) mi=0:Major key, 1:Minor key

YAMAHA META Event

FF 7F 07 43 73 0A 00 07 dd	Song Offset Measure	-100 -1, 1-100
FF 7F len 43 73 0C 00 [Data]	Style Name	len=Data length, [Data]=Style Name

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)
FF 7F 05 43 7B 03 dd 08	Phrase Mark	See below
FF 7F 04 43 7B 04 dd	Max Phrase Number	01H-7FH
FF 7F 05 43 7B 0C rr ll	Guide Track Flag	rr=Melody Track 1 Ch, ll=Melody Track 2 Ch
FF 7F len 43 7B 21 00 pp [Data]	Lyrics Bitmap	pp=Display type 00H: Center 01H: Tile len=Data length, [Data]=File Path

[Phrase mark]

FF 7F 05 43 7B 03 xx 08 Phrase mark

xx Phrase mark 0hfcccc

bit6(h)

0:Right, 1:Left Right hand/Left hand

bit5(f)

0:Channel available, 1:Channel not available

Flag for whether channel information (bit 4-0) is valid or not

Phrases common to all channels assigned to 1

bit4-0(ccccc)

CH(0:1ch-31:32ch) Channel information whose phrase mark is available

Function...	Transmitted	Recognized	Remarks	
Basic Channel	Default 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 6,38 64,65,66,67 71-74 84 91,93,94 96-97 98-99 100-101 120 121	○ ○ ○ ○ ○ ○ ○ × ○ ○ × ×	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Bank Select Data Entry Sound Controller Portament Cntrl Effect Depth RPN Inc,Dec NRPN LSB,MSB RPN LSB,MSB All Sound Off Reset All Cntrls
Prog Change : True #	○ 0 - 127 *****	○ 0 - 127		
System Exclusive		○	○	
Common : Song Pos. : Song Sel. : Tune	× × ×	× × ×		
System : Clock Real Time : Commands	○ ○	○ ○		
Aux : All Sound Off : Reset All Cntrls : Local ON/OFF Mes- : All Notes OFF sages: Active Sense : Reset	× × × × ○ ×	○ (120,126-127) ○ (121) × ○ (123-125) ○ ×		
Notes:				

Mode 1 : OMNI ON , POLY
 Mode 3 : OMNI OFF, POLY

Mode 2 : OMNI ON , MONO
 Mode 4 : OMNI OFF, MONO

○ : Yes
 × : No

