



# PORTATONE

**PSR-2100**

**PSR-1100**

## Data List Daten-Liste Liste des données Lista de datos

Voice List Voice-Liste Liste des voix Lista de voces ..... 2	Effect Parameter List Liste der Effektparameter Liste des paramètres d'effets Lista de parámetros de efectos ..... 17	MIDI Data Format MIDI-Datenformat Format des données MIDI Formato de datos MIDI ..... 31
Drum/key Assignment List Liste der Tastenzuordnungen der Schlaginstrumente Liste d'assignation instrument de batterie/touche du clavier Lista de asignación de teclas/batería ..... 10	Effect Data Assign Table Effektdaten-Zuordnungstabelle Tableau d'assignation des données d'effets Tabla de asignación de datos para efectos ..... 23	Song System Exclusive Message List Liste der System-Exclusive-Meldungen der Songs Liste des messages exclusifs au système de morceaux Lista de mensajes exclusivos del sistema de canciones... 46
Style List Liste der Styles Liste des styles Lista de estilos ..... 12	Harmony/Echo Type List Liste der Harmony/Echo-Effekttypen Liste des types d'harmonie/d'écho Lista de tipos de ecos/armonías ..... 24	Song Meta Event List Liste der Meta-Events der Songs Liste des méta-événements des morceaux Lista de meta-événements de canciones ..... 46
Multi Pad Bank List Multi-Pad-Bank-Liste Liste des banques multi-pads Lista de bancos de Multi Pad ..... 13	Vocal Harmony Type List Liste der Vocal-Harmony-Effekttypen Liste des types d'harmonie vocale Lista de tipos de armonía ..... 24	MIDI Implementation Chart MIDI-Implementierungstabelle Tableau d'implémentation MIDI Gráfico de implementación MIDI ..... 47
Effect Type List Liste der Effekttypen Liste des types d'effet Lista de tipos de efecto ..... 14	Parameter Chart Parametertabelle Tableau des paramètres Gráfico de parámetros ..... 25	

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

PSR-2100

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Piano & Harpsi	GrandPiano	Live!	0	113	0
	BrightPiano	Regular	0	112	1
	Harpichord	Live!	0	122	6
	GrandHarpsi	Live!	0	123	6
	HonkyTonk	Regular	0	112	3
	RockPiano	Regular	0	114	2
	MidiGrand	Regular	0	112	2
	CP80	Regular	0	113	2
	Oct.Piano1	Regular	0	113	3
	Oct.Piano2	Regular	0	114	3
	GrandPiano	Regular	0	112	0
	Harpichord	Regular	0	112	6
	GrandHarpsi	Regular	0	113	6
	GalaxyEP	Regular	0	114	4
	StageEP	Regular	0	117	4
	PolarisEP	Regular	0	115	4
	JazzChorus	Regular	0	118	5
	HyperTines	Regular	0	113	5
	E.Piano	Cool!	0	119	4
	PhaseEP	Regular	0	120	4
NewTines	Regular	0	116	5	
FunkEP	Regular	0	112	4	
DX Modern	Regular	0	112	5	
VintageEP	Regular	0	116	4	
ModernEP	Regular	0	115	5	
TremoloEP	Regular	0	113	4	
SuperDX	Regular	0	117	5	
Clavi	Regular	0	112	7	
SuitcaseEP	Regular	0	118	4	
VenusEP	Regular	0	114	5	
WahClavi	Regular	0	113	7	
Organ & Accordion	Elec.Organ	Cool!	0	118	18
	JazzOrgan	Cool!	0	117	16
	RotorOrgan	Regular	0	117	18
	RockOrgan1	Regular	0	112	18
	DanceOrgan	Regular	0	113	17
	GospelOrg	Regular	0	119	16
	PurpleOrg	Regular	0	114	18
	JazzOrgan1	Regular	0	112	16
	RockOrgan2	Regular	0	113	18
	RotaryDrive	Regular	0	116	18
	FullRocker	Regular	0	115	18
	Elec.Organ	Regular	0	118	17
	DrawbarOrg	Regular	0	115	16
	ClickOrgan	Regular	0	112	17
	StadiumOrg	Regular	0	118	16
	MellowDraw	Regular	0	115	17
	JazzOrgan2	Regular	0	113	16
	BrightDraw	Regular	0	116	16
	60'sOrgan	Regular	0	116	17
	JazzOrgan3	Regular	0	120	16
	TheatreOrg1	Regular	0	114	16
	TheatreOrg2	Regular	0	114	17
	Musette	Regular	0	112	21
	TuttiAccrd	Regular	0	113	21
	SmallAccrd	Regular	0	115	21
	Accordion	Regular	0	116	21
	Steirisch	Regular	0	117	21
	TangoAccrd	Regular	0	112	23
	Bandoneon	Regular	0	113	23
	SoftAccrd	Regular	0	114	21
	Harmonica	Sweet!	0	122	22
	ModernHarp	Regular	0	113	22
	BluesHarp	Regular	0	114	22
	Harmonica	Regular	0	112	22
	PipeOrgan	Regular	0	112	19
	ChapelOrgn1	Regular	0	113	19
	ChapelOrgn2	Regular	0	114	19
	ChapelOrgn3	Regular	0	115	19
	ReedOrgan	Regular	0	112	20
	Percussion	Vibraphone	Regular	0	112
JazzVibes		Regular	0	113	11
Marimba		Regular	0	112	12
Xylophone		Regular	0	112	13
SteelDrums		Regular	0	112	114
Celesta		Regular	0	112	8
Glocken		Regular	0	112	9
MusicBox		Regular	0	112	10
TubularBell		Regular	0	112	14
Kalimba		Regular	0	112	108
Dulcimer		Regular	0	112	15

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
Percussion	Timpani	Regular	0	112	47	
	StandardKit1	Drums	127	0	0	
	StandardKit2	Drums	127	0	1	
	HitKit	Drums	127	0	4	
	RoomKit	Drums	127	0	8	
	RockKit	Drums	127	0	16	
	ElectroKit	Drums	127	0	24	
	AnalogKit	Drums	127	0	25	
	DanceKit	Drums	127	0	27	
	JazzKit	Drums	127	0	32	
	BrushKit	Drums	127	0	40	
	SymphonyKit	Drums	127	0	48	
	ArabicKit	SFX Kit	126	0	35	
	SFXKit1	SFX Kit	126	0	0	
	SFXKit2	SFX Kit	126	0	1	
	StyStd.Kit	Drums	127	0	80	
	StyBrushKit	Drums	127	0	82	
	Guitar	Nylon Guitar	Live!	0	116	24
		Jazz Guitar	Cool!	0	115	26
		Elec.Gtr	Cool!	0	114	28
		12StrGuitar	Regular	0	113	25
		Smooth Lead	Regular	0	119	26
		Mandolin	Sweet!	0	124	25
		FunkGuitar	Regular	0	113	28
		VintageAmp	Regular	0	115	29
CrunchGtr		Regular	0	113	30	
AlohaGtr		Regular	0	118	26	
ClassicGtr		Live!	0	115	24	
Jazz SolGt		Cool!	0	116	26	
FolkGuitar		Regular	0	112	25	
SolidChord		Regular	0	121	27	
ChorusGtr		Regular	0	124	27	
VintageMute		Regular	0	115	28	
VintageOpen		Regular	0	123	27	
LeadGuitar		Regular	0	114	29	
SolidGuitar		Regular	0	118	27	
PedalSteel		Regular	0	115	27	
SpanishGtr		Regular	0	113	24	
OctaveGtr		Regular	0	113	26	
DeepChorus		Regular	0	114	27	
CampfireGtr		Regular	0	115	25	
SmoothNylon		Regular	0	114	24	
TremoloGtr		Regular	0	113	27	
HawaiianGtr		Regular	0	114	26	
HeavyStack		Regular	0	114	30	
60'sClean		Regular	0	117	27	
WahGuitar		Regular	0	122	27	
ClassicGtr		Regular	0	112	24	
Elec. 12Str		Regular	0	119	27	
FeedbackGtr		Regular	0	113	29	
BrightClean		Regular	0	116	27	
Distortion		Regular	0	112	30	
SlideGuitar	Regular	0	125	27		
VintageTrem	Regular	0	120	27		
Mandolin	Regular	0	114	25		
CleanGuitar	Regular	0	112	27		
MutedGuitar	Regular	0	112	28		
JazzGuitar	Regular	0	112	26		
Overdrive	Regular	0	112	29		
FolkGw_pick1	Regular	0	116	25		
FolkGw_pick2	Regular	0	117	25		
FolkGw_pick3	Regular	0	118	25		
Bass	FingerBass	Regular	0	112	33	
	UprightBass	Regular	0	113	32	
	PickBass	Regular	0	112	34	
	SuperFretles	Regular	0	113	35	
	SlapBass	Regular	0	112	36	
	AnalogBass	Regular	0	112	39	
	DrySynBass	Regular	0	116	39	
	TouchBass	Regular	0	115	39	
	HiQBass	Regular	0	113	38	
	FunkBass	Regular	0	112	37	
	Aco. Bass	Regular	0	112	32	
	Fretless	Regular	0	112	35	
	Bass&Cymbal	Regular	0	114	32	
	FusionBass	Regular	0	113	36	
	RaveBass	Regular	0	114	38	
DanceBass	Regular	0	113	39		
SynthBass	Regular	0	112	38		
SnapBass	Regular	0	114	39		
ClickBass	Regular	0	115	38		

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
Brass	Trumpet	Sweet!	0	115	56	
	Trombone	Sweet!	0	117	57	
	MutedTrump	Sweet!	0	114	59	
	FlugelHorn	Sweet!	0	118	56	
	JazzTrumpet	Regular	0	116	56	
	HyperBrass	Live!	0	118	62	
	PopBrass	Live!	0	117	62	
	OctaveBrass	Live!	0	116	62	
	BrassCombo	Regular	0	115	66	
	BrassSection	Regular	0	112	61	
	SoloTrumpet	Regular	0	112	56	
	SoloTromb	Regular	0	112	57	
	MutedTrump	Regular	0	112	59	
	FrenchHorn	Regular	0	112	60	
	AirTrumpet	Regular	0	117	56	
	Storzando	Regular	0	125	61	
	BrightBrass	Regular	0	120	61	
	SoftBrass	Regular	0	123	61	
	FullHorns	Regular	0	114	61	
	HighBrass	Regular	0	115	61	
	TrumpetEns	Regular	0	122	61	
	Trombone	Regular	0	116	57	
	SoftTromb	Regular	0	115	57	
	MellowTromb	Regular	0	114	57	
	SmoothTromb	Regular	0	118	57	
	MellowHorns	Regular	0	119	61	
	BallroomBrs	Regular	0	113	59	
	Trb.Section	Regular	0	113	57	
	SmallBrass	Regular	0	117	61	
	BrassHit	Regular	0	126	61	
	SoftTrumpet	Regular	0	114	56	
	FlugelHorn	Regular	0	113	56	
	MellowBrass	Regular	0	116	61	
	BigBrass	Regular	0	121	61	
	PopBrass	Regular	0	118	61	
	BigBandBrs	Regular	0	113	61	
	StepBrass	Regular	0	124	61	
	OberBrass	Regular	0	113	63	
	AnalogBrs	Regular	0	112	63	
	SoftAnalog	Regular	0	114	63	
	FunkyAnalog	Regular	0	115	62	
	TechnoBrass	Regular	0	114	62	
	SynthBrass	Regular	0	112	62	
	80'sBrass	Regular	0	113	62	
	BaritoneHorn	Regular	0	113	58	
	BaritoneHit	Regular	0	114	58	
	AlpBass	Regular	0	113	33	
	Tuba	Regular	0	112	58	
	W.Wind	TenorSax	Sweet!	0	117	66
		AltoSax	Sweet!	0	114	65
SopranoSax		Sweet!	0	113	64	
Clarinet		Sweet!	0	114	71	
GrowlSax		Regular	0	118	66	
Flute		Sweet!	0	114	73	
PanFlute		Sweet!	0	113	75	
Oboe		Sweet!	0	122	68	
SaxSection		Regular	0	116	66	
BaritoneSax		Regular	0	112	67	
BreathTenor		Regular	0	114	66	
BreathyAlto		Regular	0	113	65	
SopranoSax		Regular	0	112	64	
Clarinet		Regular	0	112	71	
WoodwindEns		Regular	0	113	66	
Class.Flute		Regular	0	115	73	
PanFlute		Regular	0	113	73	
Piccolo		Regular	0	112	72	
EthnicFlute		Regular	0	112	75	
RockBari		Regular	0	113	67	
TenorSax		Regular	0	112	66	
AltoSax		Regular	0	112	65	
MelClarinet		Regular	0	113	71	
Oboe		Regular	0	112	68	
EnglishHorn		Regular	0	112	69	
Bassoon		Regular	0	112	70	
Flute		Regular	0	112	73	
Shakuhachi		Regular	0	112	77	
Whistle		Regular	0	112	78	
Recorder		Regular	0	112	74	
Ocarina		Regular	0	112	79	
Bagpipe		Regular	0	112	109	

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
Strings	Strings	Live!	0	117	49	
	Allegro	Live!	0	122	49	
	Orchestra	Live!	0	116	49	
	Symphon.Str	Regular	0	114	48	
	Violin	Sweet!	0	122	40	
	OrchStrings	Regular	0	113	48	
	Orch.Brass	Regular	0	118	49	
	Orch.Flute	Regular	0	119	49	
	Orch.Fl.Br	Regular	0	120	49	
	Orch.Oboe	Regular	0	121	49	
	Strings	Regular	0	112	48	
	SoloViolin	Regular	0	112	40	
	SoftViolin	Regular	0	113	40	
	Fiddle	Regular	0	112	110	
	Viola	Regular	0	112	41	
	Cello	Regular	0	112	42	
	Contrabass	Regular	0	112	43	
	ChamberStrs	Regular	0	112	49	
	Str.Quartet	Regular	0	114	49	
	ConcertoStr	Regular	0	115	48	
	BowStrings	Regular	0	116	48	
	MarcatoStrs	Regular	0	115	49	
	SlowStrings	Regular	0	113	49	
	TremoloStrs	Regular	0	112	44	
	PizzStrings	Regular	0	112	45	
	AnalogStrs	Regular	0	112	51	
	SynStrings	Regular	0	112	50	
	TechStrings	Regular	0	113	50	
	Harp	Regular	0	112	46	
	Hackbrett	Regular	0	113	46	
	Banjo	Regular	0	112	105	
	Sitar	Regular	0	112	104	
	Koto	Regular	0	112	107	
	Shamisen	Regular	0	112	106	
	Orch.Hit	Regular	0	112	55	
	Choir & Pad	Gospel	Live!	0	116	52
		HahChoir	Regular	0	114	52
		GothicVox	Regular	0	113	53
		VocalEnsbl	Regular	0	113	52
		VoxHumana	Regular	0	112	53
Choir		Regular	0	112	52	
AirChoir		Regular	0	112	54	
SweetHeaven		Regular	0	118	88	
DreamHeaven		Regular	0	121	88	
CyberPad		Regular	0	113	99	
Fantasia		Regular	0	112	88	
Voices		Regular	0	113	54	
Insomnia		Regular	0	113	94	
Wave2001		Regular	0	112	95	
NeoWarmPad		Regular	0	115	89	
Atmosphere		Regular	0	112	99	
XenonPad		Regular	0	112	91	
Skydiver		Regular	0	112	101	
FarEast		Regular	0	112	97	
Template		Regular	0	114	95	
Equinox	Regular	0	112	94		
GlassPad	Regular	0	114	93		
DX Pad	Regular	0	112	92		
Symbiont	Regular	0	113	88		
Stargate	Regular	0	114	88		
Area51	Regular	0	112	89		
DarkMoon	Regular	0	113	89		
Ionosphere	Regular	0	115	94		
GoldenAge	Regular	0	115	88		
Solaris	Regular	0	114	94		
TimeTravel	Regular	0	116	88		
Millennium	Regular	0	117	88		
Transform	Regular	0	113	95		
Dunes	Regular	0	114	89		
Synthesizer	Oxygen	Regular	0	122	81	
	Matrix	Regular	0	123	81	
	WireLead	Regular	0	120	81	
	HipLead	Regular	0	113	80	
	HopLead	Regular	0	117	80	
	SquareLead	Regular	0	112	80	
	Saw.Lead	Regular	0	112	81	
	FireWire	Regular	0	116	81	
	Analogon	Regular	0	115	81	
	FunkyLead	Regular	0	121	81	
Paraglide	Regular	0	114	84		

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
Synthesizer	Robolead	Regular	0	124	81	
	Fargo	Regular	0	119	81	
	Portatone	Regular	0	112	84	
	Blaster	Regular	0	114	81	
	BigLead	Regular	0	113	81	
	Warp	Regular	0	117	81	
	Adrenaline	Regular	0	113	84	
	Synchronize	Regular	0	112	96	
	TinyLead	Regular	0	118	80	
	Stardust	Regular	0	112	98	
	AeroLead	Regular	0	112	83	
	MiniLead	Regular	0	114	80	
	SynthFlute	Regular	0	119	80	
	SubAqua	Regular	0	118	81	
	Impact	Regular	0	113	87	
	SunBell	Regular	0	113	98	
	UnderHeim	Regular	0	112	87	
	Rhythmic	Regular	0	113	96	
	HiBias	Regular	0	116	80	
	Vinylead	Regular	0	115	80	
	Skyline	Regular	0	115	84	
	Clockwork	Regular	0	114	96	
	Organ Flutes	JazzDraw!	Organ Flutes	0	126	16
		BluesOrgan!	Organ Flutes	0	126	16
		SixteenOne!	Organ Flutes	0	126	16
		EvenBars!	Organ Flutes	0	126	16
PopOrgan!		Organ Flutes	0	126	16	
RockingOrg!		Organ Flutes	0	126	16	
Percussive!		Organ Flutes	0	126	16	
GospelOrg!		Organ Flutes	0	126	16	
PadOrgan!		Organ Flutes	0	126	16	
FullRanks!		Organ Flutes	0	126	16	

PSR-1100

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
Piano & Harpsi	GrandPiano	Regular	0	112	0	
	BrightPiano	Regular	0	112	1	
	HarpSichord	Regular	0	112	6	
	GrandHarpsi	Regular	0	113	6	
	HonkyTonk	Regular	0	112	3	
	RockPiano	Regular	0	114	2	
	MidiGrand	Regular	0	112	2	
	CP80	Regular	0	113	2	
	Oct.Piano1	Regular	0	113	3	
	Oct.Piano2	Regular	0	114	3	
E. Piano	GalaxyEP	Regular	0	114	4	
	StageEP	Regular	0	117	4	
	PolarisEP	Regular	0	115	4	
	JazzChorus	Regular	0	118	5	
	HyperTines	Regular	0	113	5	
	E.Piano	Cool!	0	119	4	
	PhaseEP	Regular	0	120	4	
	NewTines	Regular	0	116	5	
	FunkEP	Regular	0	112	4	
	DX Modern	Regular	0	112	5	
	VintageEP	Regular	0	116	4	
	ModernEP	Regular	0	115	5	
	TremoloEP	Regular	0	113	4	
	SuperDX	Regular	0	117	5	
	Clavi	Regular	0	112	7	
	SuitcaseEP	Regular	0	118	4	
	VenusEP	Regular	0	114	5	
	WahClavi	Regular	0	113	7	
	Organ & Accordion	RotorOrgan	Regular	0	117	18
		RockOrgan1	Regular	0	112	18
DanceOrgan		Regular	0	113	17	
GospelOrg		Regular	0	119	16	
PurpleOrg		Regular	0	114	18	
RotaryDrive		Regular	0	116	18	
JazzOrgan1		Regular	0	112	16	
RockOrgan2		Regular	0	113	18	
FullRocker		Regular	0	115	18	
Elec.Organ		Regular	0	118	17	
DrawbarOrg		Regular	0	115	16	
ClickOrgan		Regular	0	112	17	
MellowDraw		Regular	0	115	17	
JazzOrgan2		Regular	0	113	16	
BrightDraw		Regular	0	116	16	
60'sOrgan		Regular	0	116	17	
JazzOrgan3		Regular	0	120	16	
16+1Organ		Regular	0	121	16	
16+2Organ		Regular	0	122	16	
16+4Organ		Regular	0	123	16	
BluesOrgan		Regular	0	117	17	
Musette		Regular	0	112	21	
TuttiAccrd		Regular	0	113	21	
SmallAccrd		Regular	0	115	21	
Accordion		Regular	0	116	21	
TangoAccrd		Regular	0	112	23	
Bandoneon		Regular	0	113	23	
SoftAccrd		Regular	0	114	21	
ModernHarp		Regular	0	113	22	
BluesHarp		Regular	0	114	22	
Harmonica	Regular	0	112	22		
TheatreOrg1	Regular	0	114	16		
TheatreOrg2	Regular	0	114	17		
PipeOrgan	Regular	0	112	19		
ChapelOrgn1	Regular	0	113	19		
ChapelOrgn2	Regular	0	114	19		
ChapelOrgn3	Regular	0	115	19		
ReedOrgan	Regular	0	112	20		
Percussion	Vibraphone	Regular	0	112	11	
	JazzVibes	Regular	0	113	11	
	Marimba	Regular	0	112	12	
	Xylophone	Regular	0	112	13	
	SteelDrums	Regular	0	112	114	
	Celesta	Regular	0	112	8	
	Glocken	Regular	0	112	9	
	MusicBox	Regular	0	112	10	
	TubularBell	Regular	0	112	14	
	Kalimba	Regular	0	112	108	
	Dulcimer	Regular	0	112	15	
	Timpani	Regular	0	112	47	
	StandardKit1	Drums	127	0	0	
	StandardKit2	Drums	127	0	1	
	RoomKit	Drums	127	0	8	

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Percussion	RockKit	Drums	127	0	16
	ElectroKit	Drums	127	0	24
	AnalogKit	Drums	127	0	25
	DanceKit	Drums	127	0	27
	JazzKit	Drums	127	0	32
	BrushKit	Drums	127	0	40
	SymphonyKit	Drums	127	0	48
	StyStd.Kit	Drums	127	0	80
	StyBrushKit	Drums	127	0	82
	ArabicKit	SFX Kit	126	0	35
Guitar	SFXKit1	SFX Kit	126	0	0
	SFXKit2	SFX Kit	126	0	1
	HitKit	Drums	127	0	4
	NylonGuitar	Regular	0	115	24
	E.Guitar	Cool!	0	114	28
	12StrGuitar	Regular	0	113	25
	SolidGuitar	Regular	0	118	27
	VintageAmp	Regular	0	115	29
	PedalSteel	Regular	0	125	27
	CrunchGtr	Regular	0	113	30
Bass	FunkGuitar	Regular	0	113	28
	60'sClean	Regular	0	117	27
	VintageOpen	Regular	0	123	27
	FolkGuitar	Regular	0	112	25
	SolidChord	Regular	0	121	27
	VintageMute	Regular	0	115	28
	LeadGuitar	Regular	0	114	29
	ChorusGtr	Regular	0	124	27
	VintageTrem	Regular	0	120	27
	SpanishGtr	Regular	0	113	24
	OctaveGtr	Regular	0	113	26
	DeepChorus	Regular	0	114	27
	CampfireGtr	Regular	0	115	25
	SmoothNylon	Regular	0	114	24
	TremoloGtr	Regular	0	113	27
	HawaiianGtr	Regular	0	114	26
	HeavyStack	Regular	0	114	30
	BrightClean	Regular	0	116	27
	WahGuitar	Regular	0	122	27
	ClassicGtr	Regular	0	112	24
	Distortion	Regular	0	112	30
	Elec.12Str	Regular	0	119	27
	Mandolin	Regular	0	114	25
	CleanGuitar	Regular	0	112	27
	FeedbackGtr	Regular	0	113	29
	MutedGuitar	Regular	0	112	28
	JazzGuitar	Regular	0	112	26
	Overdrive	Regular	0	112	29
	FolkGw_pick1	Regular	0	116	25
	FolkGw_pick2	Regular	0	117	25
FolkGw_pick3	Regular	0	118	25	
Bass	FingerBass	Regular	0	112	33
	UprightBass	Regular	0	113	32
	PickBass	Regular	0	112	34
	SuperFretles	Regular	0	113	35
	SlapBass	Regular	0	112	36
	AnalogBass	Regular	0	112	39
	DrySynBass	Regular	0	116	39
	TouchBass	Regular	0	115	39
	HiQBass	Regular	0	113	38
	FunkBass	Regular	0	112	37
Bass	Aco. Bass	Regular	0	112	32
	Fretless	Regular	0	112	35
	Bass&Cymbal	Regular	0	114	32
	FusionBass	Regular	0	113	36
	RaveBass	Regular	0	114	38
	DanceBass	Regular	0	113	39
	SynthBass	Regular	0	112	38
	SnapBass	Regular	0	114	39
	ClickBass	Regular	0	115	38
	Trumpet	Sweet!	0	115	56
Brass	Trombone	Sweet!	0	117	57
	MutedTrump	Regular	0	112	59
	FlugelHorn	Regular	0	113	56
	SoftTrumpet	Regular	0	114	56
	BrassSection	Regular	0	112	61
	MellowBrass	Regular	0	116	61
	BigBandBrs	Regular	0	113	61
	PopBrass	Regular	0	118	61
	BrassCombo	Regular	0	115	66
	SoloTrumpet	Regular	0	112	56

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
Brass	SoloTromb	Regular	0	112	57	
	JazzTrumpet	Regular	0	116	56	
	FrenchHorn	Regular	0	112	60	
	AirTrumpet	Regular	0	117	56	
	BrightBrass	Regular	0	120	61	
	SoftBrass	Regular	0	123	61	
	FullHorns	Regular	0	114	61	
	HighBrass	Regular	0	115	61	
	TrumpetEns	Regular	0	122	61	
	Trombone	Regular	0	116	57	
	SoftTromb	Regular	0	115	57	
	MellowTromb	Regular	0	114	57	
	SmoothTromb	Regular	0	118	57	
	MellowHorns	Regular	0	119	61	
	BallroomBrs	Regular	0	113	59	
	Trb.Section	Regular	0	113	57	
	SmallBrass	Regular	0	117	61	
	BrassHit	Regular	0	126	61	
	StepBrass	Regular	0	124	61	
	OberBrass	Regular	0	113	63	
	AnalogBrs	Regular	0	112	63	
	SoftAnalog	Regular	0	114	63	
	FunkyAnalog	Regular	0	115	62	
	TechnoBrass	Regular	0	114	62	
	SynthBrass	Regular	0	112	62	
	80'sBrass	Regular	0	113	62	
	Tuba	Regular	0	112	58	
	W.Wind	TenorSax	Sweet!	0	117	66
		AltoSax	Sweet!	0	114	65
		SopranoSax	Sweet!	0	113	64
		Clarinet	Sweet!	0	114	71
		GrowlSax	Regular	0	118	66
Flute		Sweet!	0	114	73	
PanFlute		Sweet!	0	113	75	
WoodwindEns		Regular	0	113	66	
SaxSection		Regular	0	116	66	
BaritoneSax		Regular	0	112	67	
BreathTenor		Regular	0	114	66	
BreathyAlto		Regular	0	113	65	
SopranoSax		Regular	0	112	64	
Clarinet		Regular	0	112	71	
Oboe		Regular	0	112	68	
EnglishHorn		Regular	0	112	69	
Bassoon		Regular	0	112	70	
Class.Flute		Regular	0	115	73	
Piccolo		Regular	0	112	72	
PanFlute		Regular	0	113	73	
EthnicFlute		Regular	0	112	75	
RockBari		Regular	0	113	67	
TenorSax		Regular	0	112	66	
AltoSax		Regular	0	112	65	
MelClarinet		Regular	0	113	71	
Flute		Regular	0	112	73	
Shakuhachi		Regular	0	112	77	
Whistle		Regular	0	112	78	
Recorder		Regular	0	112	74	
Ocarina		Regular	0	112	79	
Bagpipe		Regular	0	112	109	
Strings		Orchestra	Live!	0	116	49
	Strings	Regular	0	112	48	
	OrchStrings	Regular	0	113	48	
	Symphon.Str	Regular	0	114	48	
	SlowStrings	Regular	0	113	49	
	SoloViolin	Regular	0	112	40	
	AnalogStrs	Regular	0	112	51	
	Orch.Brass	Regular	0	118	49	
	Orch.Flute	Regular	0	119	49	
	Orch.Oboe	Regular	0	121	49	
	SoftViolin	Regular	0	113	40	
	Fiddle	Regular	0	112	110	
	Viola	Regular	0	112	41	
	Cello	Regular	0	112	42	
	Contrabass	Regular	0	112	43	
	ChamberStrs	Regular	0	112	49	
	Str.Quartet	Regular	0	114	49	
	ConcertoStr	Regular	0	115	48	
	BowStrings	Regular	0	116	48	
	MarcatoStrs	Regular	0	115	49	
	TremoloStrs	Regular	0	112	44	
	PizzStrings	Regular	0	112	45	
	SynStrings	Regular	0	112	50	

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
Strings	TechStrings	Regular	0	113	50	
	Harp	Regular	0	112	46	
	Hackbrett	Regular	0	113	46	
	Banjo	Regular	0	112	105	
	Sitar	Regular	0	112	104	
	Koto	Regular	0	112	107	
	Shamisen	Regular	0	112	106	
	Orch.Hit	Regular	0	112	55	
	Choir & Pad	HahChoir	Regular	0	114	52
		GothicVox	Regular	0	113	53
		VocalEnsbl	Regular	0	113	52
		VoxHumana	Regular	0	112	53
		Choir	Regular	0	112	52
		AirChoir	Regular	0	112	54
		SweetHeaven	Regular	0	118	88
		CyberPad	Regular	0	113	99
		Fantasia	Regular	0	112	88
Insomnia		Regular	0	113	94	
Wave2001		Regular	0	112	95	
Atmosphere		Regular	0	112	99	
NeoWarmPad		Regular	0	115	89	
XenonPad		Regular	0	112	91	
Equinox		Regular	0	112	94	
DX Pad		Regular	0	112	92	
Synth		Symbiont	Regular	0	113	88
	Stargate	Regular	0	114	88	
	Area51	Regular	0	112	89	
	DarkMoon	Regular	0	113	89	
	Ionosphere	Regular	0	115	94	
	GoldenAge	Regular	0	115	88	
	Solaris	Regular	0	114	94	
	Millennium	Regular	0	117	88	
	Transform	Regular	0	113	95	
	Dunes	Regular	0	114	89	
	Oxygen	Regular	0	122	81	
	Matrix	Regular	0	123	81	
	WireLead	Regular	0	120	81	
	HipLead	Regular	0	113	80	
	SquareLead	Regular	0	112	80	
	Saw.Lead	Regular	0	112	81	
	FireWire	Regular	0	116	81	
Analogon	Regular	0	115	81		
FunkLead	Regular	0	121	81		
Fargo	Regular	0	119	81		
Portatone	Regular	0	112	84		
Blaster	Regular	0	114	81		
BigLead	Regular	0	113	81		
Warp	Regular	0	117	81		
Adrenaline	Regular	0	113	84		
TinyLead	Regular	0	118	80		
Stardust	Regular	0	112	96		
AeroLead	Regular	0	112	83		
MiniLead	Regular	0	114	80		
SynthFlute	Regular	0	119	80		
SubAqua	Regular	0	118	81		
SunBell	Regular	0	113	98		
UnderHeim	Regular	0	112	87		
HiBias	Regular	0	116	80		
Vinylead	Regular	0	115	80		
Skyline	Regular	0	115	84		

XG

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
PIANO	GrandPiano	Regular	0	0	0	
	GrndPianoKSP	Regular	0	1	0	
	MellowGrPno	Regular	0	18	0	
	PianoStrings	Regular	0	40	0	
	Dream	Regular	0	41	0	
	BrightPiano	Regular	0	0	1	
	BritePnoKSP	Regular	0	1	1	
	ElecGrandPno	Regular	0	0	2	
	ElecGrPnoKSP	Regular	0	1	2	
	DetunedCP80	Regular	0	32	2	
	LayeredCP1	Regular	0	40	2	
	LayeredCP2	Regular	0	41	2	
	Honkytonk	Regular	0	0	3	
	HonkytonkKSP	Regular	0	1	3	
	El.Piano1	Regular	0	0	4	
	El.Piano1KSP	Regular	0	1	4	
	MellowEP1	Regular	0	18	4	
	ChorusEP1	Regular	0	32	4	
	HardEl.Piano	Regular	0	40	4	
	VXfadeEl.P1	Regular	0	45	4	
	60sEl.Piano1	Regular	0	64	4	
	El.Piano2	Regular	0	0	5	
	El.Piano2KSP	Regular	0	1	5	
	ChorusEP2	Regular	0	32	5	
	DXEPHard	Regular	0	33	5	
	DXLegend	Regular	0	34	5	
	DXPhaseEP	Regular	0	40	5	
	DX+AnalogEP	Regular	0	41	5	
	DXKotoEP	Regular	0	42	5	
	VXfadeEl.P2	Regular	0	45	5	
	Harpsichord	Regular	0	0	6	
	Harpsi.KSP	Regular	0	1	6	
	Harpsichord2	Regular	0	25	6	
	Harpsichord3	Regular	0	35	6	
	Clavi.	Regular	0	0	7	
	Clavi.KSP	Regular	0	1	7	
	Clavi.Wah	Regular	0	27	7	
	PulseClavi.	Regular	0	64	7	
	PierceClavi.	Regular	0	65	7	
	CHROMATIC PERC.	Celesta	Regular	0	0	8
		Glockenspiel	Regular	0	0	9
		MusicBox	Regular	0	0	10
		Orgel	Regular	0	64	10
		Vibraphone	Regular	0	0	11
VibesKSP		Regular	0	1	11	
HardVibes		Regular	0	45	11	
Marimba		Regular	0	0	12	
MarimbaKSP		Regular	0	1	12	
SineMarimba		Regular	0	64	12	
Balimba		Regular	0	97	12	
LogDrums		Regular	0	98	12	
Xylophone		Regular	0	0	13	
TubularBells		Regular	0	0	14	
ChurchBells		Regular	0	96	14	
Carillon		Regular	0	97	14	
Dulcimer		Regular	0	0	15	
Dulcimer2		Regular	0	35	15	
Cimbalom		Regular	0	96	15	
Santur		Regular	0	97	15	
ORGAN		DrawbarOrgan	Regular	0	0	16
		DetDrawOrgan	Regular	0	32	16
		60sDrawOrg1	Regular	0	33	16
		60sDrawOrg2	Regular	0	34	16
	70sDrawOrg1	Regular	0	35	16	
	DrawbarOrg2	Regular	0	36	16	
	60sDrawOrg3	Regular	0	37	16	
	EvenBarOrg	Regular	0	38	16	
	16+2_3Org	Regular	0	40	16	
	OrganBass	Regular	0	64	16	
	70sDrawOrg2	Regular	0	65	16	
	CheezyOrgan	Regular	0	66	16	
	DrawbarOrg3	Regular	0	67	16	
	Perc.Organ	Regular	0	0	17	
	70sPercOrg1	Regular	0	24	17	
	DetPercOrgan	Regular	0	32	17	
	LightOrgan	Regular	0	33	17	
	Perc.Organ2	Regular	0	37	17	
	RockOrgan	Regular	0	0	18	
	RotaryOrgan	Regular	0	64	18	
	SlowRotary	Regular	0	65	18	

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
ORGAN	FastRotary	Regular	0	66	18	
	ChurchOrgan	Regular	0	0	19	
	ChurchOrgan3	Regular	0	32	19	
	ChurchOrgan2	Regular	0	35	19	
	NotreDame	Regular	0	40	19	
	OrganFlute	Regular	0	64	19	
	Trem.OrganFl	Regular	0	65	19	
	ReedOrgan	Regular	0	0	20	
	PuffOrgan	Regular	0	40	20	
	Accordion	Regular	0	0	21	
	AccordIt	Regular	0	32	21	
	Harmonica	Regular	0	0	22	
	Harmonica2	Regular	0	32	22	
	TangoAccord	Regular	0	0	23	
	TangoAccord2	Regular	0	64	23	
	GUITAR	NylonGuitar	Regular	0	0	24
		NylonGuitar2	Regular	0	16	24
		NylonGuitar3	Regular	0	25	24
		VelGtrHarmo	Regular	0	43	24
		Ukulele	Regular	0	96	24
		SteelGuitar	Regular	0	0	25
		SteelGuitar2	Regular	0	16	25
		12StrGuitar	Regular	0	35	25
Nylon&Steel		Regular	0	40	25	
Steel&Body		Regular	0	41	25	
Mandolin		Regular	0	96	25	
JazzGuitar		Regular	0	0	26	
MellowGuitar		Regular	0	18	26	
JazzAmp		Regular	0	32	26	
CleanGuitar		Regular	0	0	27	
ChorusGuitar		Regular	0	32	27	
MutedGuitar		Regular	0	0	28	
FunkGuitar1		Regular	0	40	28	
MuteSteelGtr		Regular	0	41	28	
FunkGuitar2		Regular	0	43	28	
JazzMan		Regular	0	45	28	
Overdriven		Regular	0	0	29	
GuitarPinch		Regular	0	43	29	
Distortion		Regular	0	0	30	
FeedbackGtr	Regular	0	40	30		
FeedbackGtr2	Regular	0	41	30		
GtrHarmonics	Regular	0	0	31		
GtrFeedback	Regular	0	65	31		
GtrHarmonic2	Regular	0	66	31		
BASS	AcousticBass	Regular	0	0	32	
	JazzRhythm	Regular	0	40	32	
	VXUprghtBass	Regular	0	45	32	
	FingerBass	Regular	0	0	33	
	FingerDark	Regular	0	18	33	
	FlangeBass	Regular	0	27	33	
	Bass&DistEG	Regular	0	40	33	
	FingerSlap	Regular	0	43	33	
	FingerBass2	Regular	0	45	33	
	Mod.Bass	Regular	0	65	33	
	PickBass	Regular	0	0	34	
	MutePickBass	Regular	0	28	34	
	FretlessBass	Regular	0	0	35	
	Fretless2	Regular	0	32	35	
	Fretless3	Regular	0	33	35	
	Fretless4	Regular	0	34	35	
	Syn.Fretless	Regular	0	96	35	
	SmithFretless	Regular	0	97	35	
	SlapBass1	Regular	0	0	36	
	ResonantSlap	Regular	0	27	36	
	PunchThumb	Regular	0	32	36	
	SlapBass2	Regular	0	0	37	
	Velo.Sw.Slap	Regular	0	43	37	
	SynthBass1	Regular	0	0	38	
SynBass1Dark	Regular	0	18	38		
FastResoBass	Regular	0	20	38		
AcidBass	Regular	0	24	38		
ClaviBass	Regular	0	35	38		
TechnoBass	Regular	0	40	38		
Orbiter	Regular	0	64	38		
SquareBass	Regular	0	65	38		
RubberBass	Regular	0	66	38		
Hammer	Regular	0	96	38		
SynthBass2	Regular	0	0	39		
MellowSyBass	Regular	0	6	39		
SequenceBass	Regular	0	12	39		

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
BASS	ClickSynBass	Regular	0	18	39	
	SynBass2Dark	Regular	0	19	39	
	SmoothSyBass	Regular	0	32	39	
	ModulrSyBass	Regular	0	40	39	
	DXBass	Regular	0	41	39	
XWireBass	Regular	0	64	39		
STRINGS	Violin	Regular	0	0	40	
	SlwAtkViolin	Regular	0	8	40	
	Viola	Regular	0	0	41	
	Cello	Regular	0	0	42	
	Contrabass	Regular	0	0	43	
	Trem.Strings	Regular	0	0	44	
	SlwAtTremStr	Regular	0	8	44	
	SuspenseStr	Regular	0	40	44	
	PizzicatoStr	Regular	0	0	45	
	Orch.Harp	Regular	0	0	46	
	YangChin	Regular	0	40	46	
	Timpani	Regular	0	0	47	
	ENSEMBLE	Strings1	Regular	0	0	48
		StereoStrngs	Regular	0	3	48
SlwAtkStrngs		Regular	0	8	48	
ArcoStrings		Regular	0	24	48	
60'sStrings		Regular	0	35	48	
Orchestra		Regular	0	40	48	
Orchestra2		Regular	0	41	48	
TremOrchestra		Regular	0	42	48	
Velo.Strings		Regular	0	45	48	
Strings2		Regular	0	0	49	
S.SlowStrngs		Regular	0	3	49	
LegatoStrngs		Regular	0	8	49	
WarmStrings		Regular	0	40	49	
Kingdom		Regular	0	41	49	
70'sStrings		Regular	0	64	49	
Strings3		Regular	0	65	49	
SynStrings1		Regular	0	0	50	
ResoStrings		Regular	0	27	50	
SynStrings4		Regular	0	64	50	
SynStrings5		Regular	0	65	50	
SynStrings2		Regular	0	0	51	
ChoirAahs		Regular	0	0	52	
StereoChoir		Regular	0	3	52	
ChoirAahs2		Regular	0	16	52	
MellowChoir		Regular	0	32	52	
ChoirStrings		Regular	0	40	52	
VoiceOohs		Regular	0	0	53	
SynthVoice		Regular	0	0	54	
SynthVoice2		Regular	0	40	54	
Choral		Regular	0	41	54	
AnalogVoice		Regular	0	64	54	
OrchestraHit		Regular	0	0	55	
OrchestraHit2		Regular	0	35	55	
Impact		Regular	0	64	55	
BRASS		Trumpet	Regular	0	0	56
		Trumpet2	Regular	0	16	56
		BriteTrumpet	Regular	0	17	56
		WarmTrumpet	Regular	0	32	56
		Trombone	Regular	0	0	57
		Trombone2	Regular	0	18	57
		Tuba	Regular	0	0	58
		Tuba2	Regular	0	16	58
		MutedTrumpet	Regular	0	0	59
		FrenchHorn	Regular	0	0	60
		Fr.HornSolo	Regular	0	6	60
		FrenchHorn2	Regular	0	32	60
		HornOrchestr	Regular	0	37	60
	BrassSection	Regular	0	0	61	
	Tp&TbSection	Regular	0	35	61	
	BrassSect2	Regular	0	40	61	
	HighBrass	Regular	0	41	61	
	MellowBrass	Regular	0	42	61	
	SynthBrass1	Regular	0	0	62	
	QuackBrass	Regular	0	12	62	
	ResoSynBrass	Regular	0	20	62	
	PolyBrass	Regular	0	24	62	
	SynthBrass3	Regular	0	27	62	
	JumpBrass	Regular	0	32	62	
	AnaVelBrass1	Regular	0	45	62	
	AnalogBrass1	Regular	0	64	62	
	SynthBrass2	Regular	0	0	63	
	SoftBrass	Regular	0	18	63	

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
BRASS	SynthBrass4	Regular	0	40	63	
	ChoirBrass	Regular	0	41	63	
	AnaVelBrass2	Regular	0	45	63	
	AnalogBrass2	Regular	0	64	63	
REED	SopranoSax	Regular	0	0	64	
	AltoSax	Regular	0	0	65	
	SaxSection	Regular	0	40	65	
	HyperAltoSax	Regular	0	43	65	
	TenorSax	Regular	0	0	66	
	BreathyTenor	Regular	0	40	66	
	SoftTenorSax	Regular	0	41	66	
	TenorSax2	Regular	0	64	66	
	BaritoneSax	Regular	0	0	67	
	Oboe	Regular	0	0	68	
	EnglishHorn	Regular	0	0	69	
	Bassoon	Regular	0	0	70	
	Clarinet	Regular	0	0	71	
	PIPE	Piccolo	Regular	0	0	72
		Flute	Regular	0	0	73
		Recorder	Regular	0	0	74
PanFlute		Regular	0	0	75	
BlownBottle		Regular	0	0	76	
Shakuhachi		Regular	0	0	77	
Whistle		Regular	0	0	78	
Ocarina		Regular	0	0	79	
SYNTH LEAD		SquareLead	Regular	0	0	80
		SquareLead2	Regular	0	6	80
	LMSquare	Regular	0	8	80	
	Hollow	Regular	0	18	80	
	Shroud	Regular	0	19	80	
	Mellow	Regular	0	64	80	
	SoloSine	Regular	0	65	80	
	SineLead	Regular	0	66	80	
	SawtoothLead	Regular	0	0	81	
	SawtoothLd2	Regular	0	6	81	
	ThickSaw	Regular	0	8	81	
	DynamicSaw	Regular	0	18	81	
	DigitalSaw	Regular	0	19	81	
	BigLead	Regular	0	20	81	
	HeavySynth	Regular	0	24	81	
	WaspySynth	Regular	0	25	81	
	PulseSaw	Regular	0	40	81	
	Dr.Lead	Regular	0	41	81	
	VelocityLead	Regular	0	45	81	
	Seq.Analog	Regular	0	96	81	
	CalliopeLead	Regular	0	0	82	
	PurePad	Regular	0	65	82	
	ChiffLead	Regular	0	0	83	
	Rubby	Regular	0	64	83	
	CharangLead	Regular	0	0	84	
	DistortedLd	Regular	0	64	84	
	WireLead	Regular	0	65	84	
	VoiceLead	Regular	0	0	85	
	SynthAahs	Regular	0	24	85	
	VoxLead	Regular	0	64	85	
	FifthsLead	Regular	0	0	86	
	BigFive	Regular	0	35	86	
	Bass&Lead	Regular	0	0	87	
	Big&Low	Regular	0	16	87	
	Fat&Perky	Regular	0	64	87	
	SoftWhirl	Regular	0	65	87	
	SYNTH PAD	NewAgePad	Regular	0	0	88
		Fantasy	Regular	0	64	88
		WarmPad	Regular	0	0	89
		ThickPad	Regular	0	16	89
		SoftPad	Regular	0	17	89
		SinePad	Regular	0	18	89
		HornPad	Regular	0	64	89
		RotaryStrngs	Regular	0	65	89
		PolySynthPad	Regular	0	0	90
		PolyPad80	Regular	0	64	90
		ClickPad	Regular	0	65	90
AnalogPad		Regular	0	66	90	
SquarePad		Regular	0	67	90	
ChoirPad		Regular	0	0	91	
Heaven		Regular	0	64	91	
Itopia		Regular	0	66	91	
CCPad		Regular	0	67	91	
BowedPad		Regular	0	0	92	
Glacier		Regular	0	64	92	



Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
SYNTH PAD	GlassPad	Regular	0	65	92	
	MetallicPad	Regular	0	0	93	
	TinePad	Regular	0	64	93	
	PanPad	Regular	0	65	93	
	HaloPad	Regular	0	0	94	
	SweepPad	Regular	0	0	95	
	Shwimmer	Regular	0	20	95	
	Converge	Regular	0	27	95	
	PolarPad	Regular	0	64	95	
	Celestial	Regular	0	66	95	
	Rain	Regular	0	0	96	
	ClaviPad	Regular	0	45	96	
	HarmoRain	Regular	0	64	96	
	AfricanWind	Regular	0	65	96	
Carib	Regular	0	66	96		
SYNTH EFFECTS	SoundTrack	Regular	0	0	97	
	Prologue	Regular	0	27	97	
	Ancestral	Regular	0	64	97	
	Crystal	Regular	0	0	98	
	SynthDr.Comp	Regular	0	12	98	
	Popcorn	Regular	0	14	98	
	TinyBells	Regular	0	18	98	
	RoundGlocken	Regular	0	35	98	
	GlockenChime	Regular	0	40	98	
	ClearBells	Regular	0	41	98	
	ChorusBells	Regular	0	42	98	
	SynthMallet	Regular	0	64	98	
	SoftCrystal	Regular	0	65	98	
	LoudGlocken	Regular	0	66	98	
	ChristmasBel	Regular	0	67	98	
	VibeBells	Regular	0	68	98	
	DigitalBells	Regular	0	69	98	
	AirBells	Regular	0	70	98	
	BellHarp	Regular	0	71	98	
	Gamelimba	Regular	0	72	98	
	Atmosphere	Regular	0	0	99	
	WarmAtmos.	Regular	0	18	99	
	HollowRelease	Regular	0	19	99	
	NylonElPiano	Regular	0	40	99	
	NylonHarp	Regular	0	64	99	
	HarpVox	Regular	0	65	99	
	Atmos.Pad	Regular	0	66	99	
	Planet	Regular	0	67	99	
	Brightness	Regular	0	0	100	
	FantasyBells	Regular	0	64	100	
	Smokey	Regular	0	96	100	
	Goblins	Regular	0	0	101	
	GoblinsSynth	Regular	0	64	101	
	Creepier	Regular	0	65	101	
	RingPad	Regular	0	66	101	
	Ritual	Regular	0	67	101	
	ToHeaven	Regular	0	68	101	
	Night	Regular	0	70	101	
	Glisten	Regular	0	71	101	
	BellChoir	Regular	0	96	101	
	Echoes	Regular	0	0	102	
	Echoes2	Regular	0	8	102	
	EchoPan	Regular	0	14	102	
	EchoBells	Regular	0	64	102	
	BigPan	Regular	0	65	102	
	SynthPiano	Regular	0	66	102	
	Creation	Regular	0	67	102	
	StarDust	Regular	0	68	102	
	Reso&Panning	Regular	0	69	102	
	Sci-Fi	Regular	0	0	103	
	Starz	Regular	0	64	103	
	ETHNIC	Sitar	Regular	0	0	104
		DetunedSitar	Regular	0	32	104
		Sitar2	Regular	0	35	104
		Tambra	Regular	0	96	104
		Tamboura	Regular	0	97	104
		Banjo	Regular	0	0	105
		MutedBanjo	Regular	0	28	105
		Rabab	Regular	0	96	105
		Gopichant	Regular	0	97	105
		Oud	Regular	0	98	105
		Shamisen	Regular	0	0	106
		Koto	Regular	0	0	107
		Taisho-kin	Regular	0	96	107
		Kanoon	Regular	0	97	107

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number	
			MSB	LSB		
ETHNIC	Kalimba	Regular	0	0	108	
	Bagpipe	Regular	0	0	109	
	Fiddle	Regular	0	0	110	
	Shanai	Regular	0	0	111	
	Shanai2	Regular	0	64	111	
	Pungi	Regular	0	96	111	
	Hichiriki	Regular	0	97	111	
	PERCUSSIVE	TinkleBell	Regular	0	0	112
		Bonang	Regular	0	96	112
		Altair	Regular	0	97	112
		GamelanGongs	Regular	0	98	112
StereoGamlan		Regular	0	99	112	
RamaCymbal		Regular	0	100	112	
AsianBells		Regular	0	101	112	
Agogo		Regular	0	0	113	
SteelDrums		Regular	0	0	114	
GlassPerc.		Regular	0	97	114	
ThaiBells		Regular	0	98	114	
Woodblock		Regular	0	0	115	
Castanets		Regular	0	96	115	
TaikoDrum		Regular	0	0	116	
GranCassa		Regular	0	96	116	
MelodicTom		Regular	0	0	117	
MelodicTom2		Regular	0	64	117	
RealTom		Regular	0	65	117	
RockTom		Regular	0	66	117	
SynthDrum		Regular	0	0	118	
AnalogTom	Regular	0	64	118		
ElectroPerc.	Regular	0	65	118		
Rev.Cymbal	Regular	0	0	119		
SOUND EFFECTS	GtrFretNoise	Regular	0	0	120	
	BreathNoise	Regular	0	0	121	
	Seashore	Regular	0	0	122	
	BirdTweet	Regular	0	0	123	
	TelephonRing	Regular	0	0	124	
	Helicopter	Regular	0	0	125	
	Applause	Regular	0	0	126	
	Gunshot	Regular	0	0	127	
	SFX	CuttingNoise	Regular	64	0	0
		CuttingNoiz2	Regular	64	0	1
		StringSlap	Regular	64	0	3
		FLKeyClick	Regular	64	0	16
		Shower	Regular	64	0	32
		Thunder	Regular	64	0	33
Wind		Regular	64	0	34	
Stream		Regular	64	0	35	
Bubble		Regular	64	0	36	
Feed		Regular	64	0	37	
Dog		Regular	64	0	48	
Horse		Regular	64	0	49	
BirdTweet2		Regular	64	0	50	
Ghost		Regular	64	0	54	
Maou		Regular	64	0	55	
PhoneCall		Regular	64	0	64	
DoorSqueak		Regular	64	0	65	
DoorSlam		Regular	64	0	66	
ScratchCut		Regular	64	0	67	
ScratchSplit		Regular	64	0	68	
WindChime		Regular	64	0	69	
TelephonRing2		Regular	64	0	70	
CarEngineIgn		Regular	64	0	80	
CarTiresSql		Regular	64	0	81	
CarPassing		Regular	64	0	82	
CarCrash		Regular	64	0	83	
Siren		Regular	64	0	84	
Train	Regular	64	0	85		
JetPlane	Regular	64	0	86		
Starship	Regular	64	0	87		
Burst	Regular	64	0	88		
RollrCoaster	Regular	64	0	89		
Submarine	Regular	64	0	90		
Laugh	Regular	64	0	96		
Scream	Regular	64	0	97		
Punch	Regular	64	0	98		
Heartbeat	Regular	64	0	99		
FootSteps	Regular	64	0	100		
MachineGun	Regular	64	0	112		
LaserGun	Regular	64	0	113		
Explosion	Regular	64	0	114		
Firework	Regular	64	0	115		

# Drum/key Assignment List

## Liste der Tastenzuordnungen der Schlaginstrumente


## Liste d'assignation instrument de batterie/touche du clavier

## Lista de asignación de teclas/batería

Bank Select MSB (0-127)					127	127	127	127	127	127	127	127
Bank Select LSB (0-127)					0	0	0	0	0	0	0	0
Program Change (0-127)					0	1	4	8	16	24	25	27
MIDI Note#	MIDI Note	Keyboard Note	Key Off	Alternate Group	Standard Kit1	Standard Kit2	Hit Kit (PSR-2100)	Room Kit	Rock Kit	Electro Kit	Analog Kit	Dance Kit
13	C <sup>2</sup> -1	(C <sup>2</sup> 0)		3	Surdo Mute							
14	D-1	(D0)		3	Surdo Open							
15	D <sup>2</sup> -1	(D <sup>2</sup> 0)			Hi Q							
16	E-1	(E0)			Whip Slap							
17	F-1	(F0)		4	Scratch H							
18	F <sup>2</sup> -1	(F <sup>2</sup> 0)		4	Scratch L							
19	G-1	(G0)			Finger Snap							
20	G <sup>2</sup> -1	(G <sup>2</sup> 0)			Click Noise							
21	A-1	(A0)			Metronome Click							
22	A <sup>2</sup> -1	(A <sup>2</sup> 0)			Metronome Bell							
23	B-1	(B0)			Seq Click L							
24	C0	C1			Seq Click H							
25	C <sup>2</sup> 0	C <sup>2</sup> 1			Brush Tap							
26	D0	D1	O		Brush Swirl							
27	D <sup>2</sup> 0	D <sup>2</sup> 1			Brush Slap							
28	E0	E1	O		Brush Tap Swirl					Reverse Cymbal	Reverse Cymbal	Reverse Cymbal
29	F0	F1	O		Snare Roll							
30	F <sup>2</sup> 0	F <sup>2</sup> 1			Castanet					Hi Q 2	Hi Q 2	Hi Q 2
31	G0	G1			Snare Soft	Snare Soft 2	Snare Electro		Snare Noisy	Snare Snappy Electro	Snare Noisy 4	Snare Techno
32	G <sup>2</sup> 0	G <sup>2</sup> 1			Sticks							
33	A0	A1			Kick Soft		Kick Tight L			Kick 3	Kick 3	Kick Techno Q
34	A <sup>2</sup> 0	A <sup>2</sup> 1			Open Rim Shot	Open Rim Shot H Short	Snare Pitched					Rim Gate
35	B0	B1			Kick Tight		Kick Wet		Kick 2	Kick Gate	Kick Analog Short	Kick Techno L
36	C1	C2			Kick	Kick Short	Kick Tight H		Kick Gate	Kick Gate Heavy	Kick Analog	Kick Techno
37	C <sup>2</sup> 1	C <sup>2</sup> 2			Side Stick	Side Stick Light	Stick Ambient				Side Stick Analog	Side Stick Analog
38	D1	D2			Snare	Snare Short	Snare Ambient	Snare Snappy	Snare Rock	Snare Noisy 2	Snare Analog	Snare Clap
39	D <sup>2</sup> 1	D <sup>2</sup> 2			Hand Clap							
40	E1	E2			Snare Tight	Snare Tight H	Snare Tight 2	Snare Tight Snappy	Snare Rock Tight	Snare Noisy 3	Snare Analog 2	Snare Dry
41	F1	F2			Floor Tom L		Hybrid Tom 1	Tom Room 1	Tom Rock 1	Tom Electro 1	Tom Analog 1	Tom Analog 1
42	F <sup>2</sup> 1	F <sup>2</sup> 2	1		Hi-Hat Closed		Hi-Hat Closed 2				Hi-Hat Closed Analog	Hi-Hat Closed 3
43	G1	G2			Floor Tom H		Hybrid Tom 2	Tom Room 2	Tom Rock 2	Tom Electro 2	Tom Analog 2	Tom Analog 2
44	G <sup>2</sup> 1	G <sup>2</sup> 2	1		Hi-Hat Pedal		Hi-Hat Pedal 2				Hi-Hat Closed Analog 2	Hi-Hat Closed Analog 3
45	A1	A2			Low Tom		Hybrid Tom 3	Tom Room 3	Tom Rock 3	Tom Electro 3	Tom Analog 3	Tom Analog 3
46	A <sup>2</sup> 1	A <sup>2</sup> 2	1		Hi-Hat Open		Hi-Hat Open 2				Hi-Hat Open Analog	Hi-Hat Open 3
47	B1	B2			Mid Tom L		Hybrid Tom 4	Tom Room 4	Tom Rock 4	Tom Electro 4	Tom Analog 4	Tom Analog 4
48	C2	C3			Mid Tom H		Hybrid Tom 5	Tom Room 5	Tom Rock 5	Tom Electro 5	Tom Analog 5	Tom Analog 5
49	C <sup>2</sup> 2	C <sup>2</sup> 3			Crash Cymbal 1						Crash Analog	Crash Analog
50	D2	D3			High Tom		Hybrid Tom 6	Tom Room 6	Tom Rock 6	Tom Electro 6	Tom Analog 6	Tom Analog 6
51	D <sup>2</sup> 2	D <sup>2</sup> 3			Ride Cymbal 1							
52	E2	E3			Chinese Cymbal							
53	F2	F3			Ride Cymbal Cup							
54	F <sup>2</sup> 2	F <sup>2</sup> 3			Tambourine		Tambourine Light					
55	G2	G3			Splash Cymbal							
56	G <sup>2</sup> 2	G <sup>2</sup> 3			Cowbell						Cowbell Analog	Cowbell Analog
57	A2	A3			Crash Cymbal 2							
58	A <sup>2</sup> 2	A <sup>2</sup> 3			Vibraslap							
59	B2	B3			Ride Cymbal 2							
60	C3	C4			Bongo H							
61	C <sup>2</sup> 3	C <sup>2</sup> 4			Bongo L							
62	D3	D4			Conga H Mute						Conga Analog H	Conga Analog H
63	D <sup>2</sup> 3	D <sup>2</sup> 4			Conga H Open						Conga Analog M	Conga Analog M
64	E3	E4			Conga L						Conga Analog L	Conga Analog L
65	F3	F4			Timbale H							
66	F <sup>2</sup> 3	F <sup>2</sup> 4			Timbale L							
67	G3	G4			Agogo H							
68	G <sup>2</sup> 3	G <sup>2</sup> 4			Agogo L							
69	A3	A4			Cabasa							
70	A <sup>2</sup> 3	A <sup>2</sup> 4			Maracas						Maracas 2	Maracas 2
71	B3	B4	O		Samba Whistle H							
72	C4	C5	O		Samba Whistle L							
73	C <sup>2</sup> 4	C <sup>2</sup> 5			Guiro Short							
74	D4	D5	O		Guiro Long							
75	D <sup>2</sup> 4	D <sup>2</sup> 5			Claves						Claves 2	Claves 2
76	E4	E5			Wood Block H							
77	F4	F5			Wood Block L							
78	F <sup>2</sup> 4	F <sup>2</sup> 5			Cuica Mute					Scratch H 2	Scratch H 2	Scratch H 2
79	G4	G5			Cuica Open					Scratch L 2	Scratch L 2	Scratch L 2
80	G <sup>2</sup> 4	G <sup>2</sup> 5		2	Triangle Mute							
81	A4	A5		2	Triangle Open							
82	A <sup>2</sup> 4	A <sup>2</sup> 5			Shaker							
83	B4	B5			Jingle Bells							
84	C5	C6			Bell Tree							
85	C <sup>2</sup> 5	(C <sup>2</sup> 6)										
86	D5	(D6)										
87	D <sup>2</sup> 5	(D <sup>2</sup> 6)										
88	E5	(E6)										
89	F5	(F6)										
90	F <sup>2</sup> 5	(F <sup>2</sup> 6)										
91	G5	(G6)										

\* 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

Bank Select MSB (0-127)					127	127	127	127	127	126	126	126
Bank Select LSB (0-127)					0	0	0	0	0	0	0	0
Program Change (0-127)					32	40	48	80	82	35	0	1
MIDI Note#	Keyboard Note	Key Off	Alternate Group	Jazz Kit	Brush Kit	Symphony Kit	Sty Std.Kit	Sty BrushKit	Arabic Kit	SFX Kit1	SFX Kit2	
13	C <sup>2</sup> -1	(C <sup>2</sup> 0)	3									
14	D-1	(D0)	3									
15	D <sup>2</sup> -1	(D <sup>2</sup> 0)										
16	E-1	(E0)										
17	F-1	(F0)	4									
18	F <sup>2</sup> -1	(F <sup>2</sup> 0)	4									
19	G-1	(G0)										
20	G <sup>2</sup> -1	(G <sup>2</sup> 0)										
21	A-1	(A0)										
22	A <sup>2</sup> -1	(A <sup>2</sup> 0)										
23	B-1	(B0)										
24	C0	C1							Nakarazan Dom			
25	C <sup>2</sup> 0	C <sup>2</sup> 1					Brush Tap Style Std	Brush Tap Style Brush	Cabasa			
26	D0	D1	O				Brush Swirl Style Std	Brush Swirl StyleBrush	Nakarazan Edge			
27	D <sup>2</sup> 0	D <sup>2</sup> 1					Brush Slap Style Std	Brush Slap Style Brush	Hager Dom			
28	E0	E1	O				BrushTapSwirlStyleStd	BrushTapSwirlStyleBrsh	Hager Edge			
29	F0	F1	O						Bongo H			
30	F <sup>2</sup> 0	F <sup>2</sup> 1							Bongo L			
31	G0	G1		Snare Jazz H	Brush Slap 2		Snare Soft Style Std	Snare Soft Style Brush	Conga H Mute			
32	G <sup>2</sup> 0	G <sup>2</sup> 1							Conga H Open			
33	A0	A1				Kick Soft 2	Kick Soft Style Std	Kick Soft Style Brush	Conga L			
34	A <sup>2</sup> 0	A <sup>2</sup> 1			Open Rim Shot Light		Open Rim Shot Style Std	OpenRimShot StyleBrush	Zagrouda H			
35	B0	B1				Gran Cassa	Kick Tight Style Std	Kick Tight Style Brush	Zagrouda L			
36	C1	C2		Kick Jazz	Kick Jazz	Gran Cassa Mute	Kick Style Std	Kick Style Brush	Kick Soft	Cutting Noise	Phone Call	
37	C <sup>2</sup> 1	C <sup>2</sup> 2		Side Stick Light	Side Stick Light		Side Stick Style Std	Side Stick Style Brush	Side Stick	Cutting Noise 2	Door Squeak	
38	D1	D2		Snare Jazz L	Brush Slap 3	Band Snare	Snare Style Std	Snare Style Brush	Snare Soft		Door Slam	
39	D <sup>2</sup> 1	D <sup>2</sup> 2							Arabic Hand Clap	String Slap	Scratch Cut	
40	E1	E2		Snare Jazz M	Brush Tap 2	Band Snare 2	Snare Tight Style Std	Snare Tight StyleBrush	Snare		Scratch H 3	
41	F1	F2			Tom Brush 1		Floor Tom L Style Std	Floor Tom L StyleBrush	Floor Tom L		Wind Chime	
42	F <sup>2</sup> 1	F <sup>2</sup> 2	1				Hi-Hat Closed StyleStd	Hi-HatClosedStyleBrush	Hi-Hat Closed		Telephone Ring 2	
43	G1	G2			Tom Brush 2		Floor Tom H Style Std	Floor Tom H StyleBrush	Floor Tom H			
44	G <sup>2</sup> 1	G <sup>2</sup> 2	1				Hi-Hat Pedal Style Std	Hi-HatPedal StyleBrush	Hi-Hat Pedal			
45	A1	A2			Tom Brush 3		Low Tom Style Std	Low Tom Style Brush	Low Tom			
46	A <sup>2</sup> 1	A <sup>2</sup> 2	1				Hi-Hat Open Style Std	Hi-HatOpen StyleBrush	Hi-Hat Open			
47	B1	B2			Tom Brush 4		Mid Tom L Style Std	Mid Tom L Style Brush	Mid Tom L			
48	C2	C3			Tom Brush 5		Mid Tom H Style Std	Mid Tom H Style Brush	Mid Tom H			
49	C <sup>2</sup> 2	C <sup>2</sup> 3				Hand Cymbal	CrashCymbal1 StyleStd	CrashCymbal1StyleBrush	Crash Cymbal 1			
50	D2	D3			Tom Brush 6		High Tom Style Std	High Tom Style Brush	High Tom			
51	D <sup>2</sup> 2	D <sup>2</sup> 3				Hand Cymbal Short	RideCymbal1 StyleStd	RideCymbal1 StyleBrush	Ride Cymbal 1			
52	E2	E3					ChineseCymbal StyleStd	ChineseCymbalStyleBrsh	Crash Cymbal 2	Flute Key Click	Car Engine Ignition	
53	F2	F3					RideCymbalCup StyleStd	RideCymbalCupStyleBrsh	Duhulla Dom		Car Tires Squeal	
54	F <sup>2</sup> 2	F <sup>2</sup> 3							Tambourine		Car Passing	
55	G2	G3					Splash Cymbal StyleStd	SplashCymbalStyleBrush	Duhulla Tak		Car Crash	
56	G <sup>2</sup> 2	G <sup>2</sup> 3							Cowbell		Siren	
57	A2	A3				Hand Cymbal 2	CrashCymbal2 StyleStd	CrashCymbal2StyleBrush	Duhulla Sak		Train	
58	A <sup>2</sup> 2	A <sup>2</sup> 3							Claves		Jet Plane	
59	B2	B3				Hand Cymbal 2 Short	RideCymbal2 StyleStd	RideCymbal2 StyleBrush	Doff Dom		Starship	
60	C3	C4							Katem Dom		Burst	
61	C <sup>2</sup> 3	C <sup>2</sup> 4							Katem Tak		Roller Coaster	
62	D3	D4							Katem Sak		Submarine	
63	D <sup>2</sup> 3	D <sup>2</sup> 4							Katem Tak			
64	E3	E4							Doff Tak			
65	F3	F4							Tabla Dom			
66	F <sup>2</sup> 3	F <sup>2</sup> 4							Tabla Tak1			
67	G3	G4							Tabla Tik			
68	G <sup>2</sup> 3	G <sup>2</sup> 4							Tabla Tak2	Shower	Laugh	
69	A3	A4							Tabla Sak	Thunder	Scream	
70	A <sup>2</sup> 3	A <sup>2</sup> 4							Tabla Roll of Edge	Wind	Punch	
71	B3	B4	O						Tabla Flam	Stream	Heart Beat	
72	C4	C5	O						Sagat 1	Bubble	Foot Steps	
73	C <sup>2</sup> 4	C <sup>2</sup> 5							Tabel Dom	Feed		
74	D4	D5	O						Sagat 3			
75	D <sup>2</sup> 4	D <sup>2</sup> 5							Tabel Tak			
76	E4	E5							Sagat 2			
77	F4	F5							Rik Dom			
78	F <sup>2</sup> 4	F <sup>2</sup> 5							Rik Tak 2			
79	G4	G5							Rik Finger 1			
80	G <sup>2</sup> 4	G <sup>2</sup> 5	2						Rik Tak 1			
81	A4	A5	2						Rik Finger 2			
82	A <sup>2</sup> 4	A <sup>2</sup> 5							Rik Brass Tremolo			
83	B4	B5							Rik Sak			
84	C5	C6							Rik Tik	Dog	Machine Gun	
85	C <sup>2</sup> 5	(C <sup>2</sup> 6)								Horse	Laser Gun	
86	D5	(D6)								Bird Tweet 2	Explosion	
87	D <sup>2</sup> 5	(D <sup>2</sup> 6)									Firework	
88	E5	(E6)										
89	F5	(F6)										
90	F <sup>2</sup> 5	(F <sup>2</sup> 6)								Ghost		
91	G5	(G6)								Maou		

# Style List

## Liste der Styles

## Liste des styles

## Lista de estilos

Category	Style Name	PSR-2100	PSR-1100
Pop&Rock	HeartBeat	●	●
	60'sGtrPop	●	●
	60's8Beat	●	●
	8Beat1	●	●
	8Beat2	●	●
	BubblegumPop	●	●
	OffBeat	●	●
	60'sRock1	●	●
	60'sRock2	●	●
	BritPop	●	●
	HardRock	●	●
	Rock+HalfTime	●	●
	RockShuffle	●	●
	RootRock	●	●
	8BeatRock	●	●
	PopShuffle1	●	●
	PopShuffle2	●	●
	GuitarPop	●	●
	16BtUptempo	●	●
	KoolShuffle	●	●
	FunkyFusion	●	●
	JazzPop	●	●
	JazzRock	●	●
	Soul	●	●
	DetroitPop1	●	●
	Twist	●	-
	60'sRock&Roll	●	●
	GospelBrothers	●	●
	6-8Soul	●	●
	CrocoTwist	●	●
	Rock&Roll	●	●
	SoulBeat	●	●
	DetroitPop2	●	●
	SoulShuffle	●	●
	BoogieWoogie	●	●
	6-8Blues	●	●
	AmazingGospel	●	●
	Country8Beat1	●	●
	CountryPop1	●	●
	CountryRock	●	●
	CountrySwing	●	●
	Country2-4	●	●
	CowboyBoogie	●	●
	Country8Beat2	●	●
	CountryPop2	●	●
	CntryBrothers	●	●
	CountryShuffle	●	●
	Hoedown	●	●
	FingerPickin	●	●
	SingrSngWriter	●	-
Ballad	8BeatModern	●	●
	OrganBallad	●	●
	8BeatAdria	●	●
	6-8SlowRock1	●	●
	6-8SlowRock2	●	●
	ClassicPianoBld	●	●
	PianoBallad	●	●
	AcousticBallad	●	●
	6-8ModernEP	●	●
	6-8Orchestral	●	●
	RockBallad	●	●
	LoveSong	●	●
	16Beat	●	●
	PopBallad	●	●
	16BeatBallad1	●	●
	16BeatBallad2	●	●
	Slow&Easy	●	●
	AnalogBallad	●	●
	R&B	●	●
	R&B Ballad	●	●
	ModCntryPop	●	●
	CountryBallad	●	●
	Unplugged	●	●
	SecretService	●	●
	Swing&Jazz	BigBandFast1	●
BigBandMid1		●	●
BigBandFast2		●	●
BigBandMid2		●	●
DixieJazz		●	●
BigBandBallad		●	●
MoonlightBallad		●	●

Category	Style Name	PSR-2100	PSR-1100	
Swing&Jazz	BigBandShft1	●	●	
	BigBandShft2	●	●	
	MediumJazz	●	●	
	JazzClub	●	●	
	Swing1	●	●	
	Swing2	●	●	
	TapDanceSwing	●	●	
	JazzBallad	●	●	
	GypsySwing	●	●	
	CatGroove	●	●	
	Dixieland	●	●	
	Ragtime	●	●	
	Bebop	●	●	
	Charleston	●	●	
	Dance	Ibiza2003	●	-
		RetroPop	●	●
		DreamDance	●	-
		EuroTrance	●	●
		Ibiza 2000	●	●
		HouseMusik	●	●
		SwingHouse	●	●
		TechnoPolis	●	●
		Clubdance	●	●
		ClubLatin	●	●
		Garage1	●	●
Garage2		●	●	
TechnoParty		●	●	
UKPop		●	●	
HipHopGroove		●	●	
HipHopLight		●	●	
ModernR&B		●	-	
HipShuffle		●	●	
HipHopPop		●	●	
70'sDisco1		●	●	
70'sDisco2		●	●	
70'sDisco3		●	●	
LatinDisco		●	●	
DiscoPhilly		●	●	
SaturdayNight		●	●	
DiscoChocolate	●	●		
DiscoHands	●	●		
DiscoFunk	●	●		
DiscoSamba	●	●		
DiscoParty	●	●		
DiscoFox	●	●		
FunkyDisco	●	●		
Ballroom	VienneseWaltz1	●	●	
	VienneseWaltz2	●	-	
	EnglishWaltz	●	●	
	Slowfox	●	●	
	Foxtrot	●	●	
	Quickstep	●	●	
	OrgQuickstep	●	●	
	Tango1	●	●	
	Tango2	●	●	
	Swingfox	●	●	
	Pasodoble	●	●	
	Samba	●	●	
	ChaChaCha	●	●	
	Rumba	●	●	
	Jive	●	●	
SchlagerBeat	●	●		
SchlagerPop	●	●		
SchlagerRock	●	-		
SchlagerAlp	●	●		
SchlagerRumba	●	●		
Latin	BrazilianSamba	●	●	
	PopSamba	●	●	
	BossaNova	●	●	
	PopBossa	●	●	
	BigBandMambo	●	●	
	BigBandSalsa	●	●	
	SlowBossa	●	●	
	Tijuana	●	●	
	DiscoLatin	●	●	
	Cumbia	●	●	
	RockChaCha	●	●	
	FastBossa	●	●	
	Mambo	●	●	
	Salsa	●	●	
	Beguine	●	●	

# Multi Pad Bank List

## Multi-Pad-Bank-Liste

### Liste des banques multi-pads

### Lista de bancos de Multi Pad

Category	Style Name	PSR-2100	PSR-1100
Latin	GypsyRumba	●	●
	RmbFlamenca	●	●
	Rumbalsland	●	●
	Espagnole	●	-
	Caribbean	●	●
	HappyReggae	●	●
	JumboReggae	●	●
	Bolero	●	-
March&Waltz	USMarch	●	●
	6-8March	●	●
	GermanMarch1	●	●
	GermanMarch2	●	-
	BandMarch	●	-
	OrchMarch	●	●
	OrchPolka	●	●
	PolkaPop	●	●
	OberPolka	●	●
	MariachiWaltz	●	●
	Tarantella	●	●
	GuitarSerenade	●	●
	SwingWaltz	●	●
	PopWaltz	●	-
	JazzWaltz	●	●
	BandWaltz	●	-
	CountryWaltz	●	●
	TraditionalWaltz	●	-
	OberWaltzer	●	●
	Musette	●	●
	Bluegrass1	●	●
	Bluegrass2	●	-
	Showtune	●	●
	PubPiano	●	●
	ChildrensMarch	●	●
	Santa'sSwing	●	●
	ChristmasSwing	●	●
	ChristmasWaltz	●	●
	ScottishReel	●	●
	Jig	●	-
	Hawaiian	●	●
	LimboRock	●	●
	HullyGully	●	●

Bank Name
Tom Flam
Crash Kit
Drum Kit 1
Drum Kit 2
Drum Kit 3
ArabicPerc 1
ArabicPerc 2
Latin Perc 1
Latin Perc 2
Dance Kit
Attention 1
Attention 2
Fanfare 1
Fanfare 2
Swingy
Brassy 1
Brassy 2
SynBrass
Mallet Fills
Piano Man
Heaven Arp
Piano Arp
Harpeggio 1
Harpeggio 2
Arpeggio
Crystal Arp
Twinkle Arp
Piano Gliss
Xmas 1
Xmas 2
Guitar Cut 1
Guitar Cut 2
GuitarRiff 1
GuitarRiff 2
Guitar Strum
DrumFill
Limbo Dancer
DJ Set 1
DJ Set 2
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

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

## ■ XG Effect Type

### ○ Reverb Type

Effect Name	Type MSB	Type LSB	
HALL1	1	0	
HALL2	1	16	
HALL3	1	17	
HALL4	1	18	
HALL5	1	1	
HALL M	1	6	●
HALL L	1	7	●
ROOM1	2	16	
ROOM2	2	17	
ROOM3	2	18	
ROOM4	2	19	
ROOM5	2	0	
ROOM6	2	1	
ROOM7	2	2	
ROOM S	2	5	●
ROOM M	2	6	●
ROOM L	2	7	●
STAGE1	3	16	
STAGE2	3	17	
STAGE3	3	0	
STAGE4	3	1	
PLATE1	4	16	
PLATE2	4	17	
PLATE3	4	0	
GM PLATE	4	7	●
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	
GM CHORUS1	65	3	●
GM CHORUS2	65	4	●
GM CHORUS3	65	5	●
GM CHORUS4	65	6	●
FB CHORUS	65	7	●
CELESTE1	66	0	
CELESTE2	66	2	
FLANGER1	67	8	
FLANGER2	67	16	
FLANGER3	67	17	
FLANGER4	67	1	
FLANGER5	67	0	
GM FLANGER	67	7	●
SYMPHONIC1	68	16	●
SYMPHONIC2	68	0	●
PHASER1	72	0	●
ENS DETUNE (ENSEMBLE DETUNE)	87	0	●
NO EFFECT	0	0	

● PSR-2100 only

## ○ DSP Type

### DSP Block

	PSR-2100	PSR-1100
Variation	DSP 1	DSP
Insertion 1	DSP 2	
Insertion 2	DSP 3	
Insertion 3	DSP 4	

### PSR-2100 Variation

Effect Name	Type MSB	Type LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
HALL M	1	6
HALL L	1	7
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
ROOM S	2	5
ROOM M	2	6
ROOM L	2	7
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
GM PLATE	4	7
WHITE ROOM	16	0
TUNNEL	17	0
CANYON	18	0
BASEMENT	19	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
GM CHORUS1	65	3
GM CHORUS2	65	4
GM CHORUS3	65	5
GM CHORUS4	65	6
FB CHORUS	65	7
CELESTE1	66	0
CELESTE2	66	2
SYMPHONIC1	68	16
SYMPHONIC2	68	0
ENS DETUNE (ENSEMBLE DETUNE)	87	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
HM ENHANCE1 (HARMONIC ENHANCER 1)	81	16
HM ENHANCE2 (HARMONIC ENHANCER 2)	81	0
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
GM FLANGER	67	7
DELAY LCR1	5	16
DELAY LCR2	5	0
DELAY LR	6	0
ECHO	7	0
CROSS DELAY	8	0
TEMPO DELAY	21	0
TEMPO ECHO	21	8
TEMPO CROSS	22	0
DIST HEAVY	73	0
ST DIST (STEREO DISTORTION)	73	8
COMP+DIST1 (COMPRESSOR+DISTORTION 1)	73	16
COMP+DIST2 (COMPRESSOR+DISTORTION 2)	73	1
OVERDRIVE	74	0
ST OD (STEREO OVER DRIVE)	74	8
DIST HARD (DISTORTION HARD)	75	16
DIST SOFT (DISTORTION SOFT)	75	17
ST DIST HARD (STEREO DISTORTION HARD)	75	18
ST DIST SOFT (STEREO DISTORTION SOFT)	75	19
V_DIST HARD (V DISTORTION HARD)	98	0
V_DIST SOFT (V DISTORTION SOFT)	98	2
AMP SIM (AMP SIMULATOR)	75	0
ST AMP1 (STEREO AMP SIMULATOR 1)	75	20

Effect Name	Type MSB	Type LSB
ST AMP2 (STEREO AMP SIMULATOR 2)	75	21
ST AMP3 (STEREO AMP SIMULATOR 3)	75	8
DST+DELAY1 (DISTORTION+DELAY 1)	95	16
DST+DELAY2 (DISTORTION+DELAY 2)	95	0
OD+DELAY1 (OVERDRIVE+DELAY 1)	95	17
OD+DELAY2 (OVERDRIVE+DELAY 2)	95	1
CMP+DST+DLY1 (COMPRESSOR+DISTORTION+DELAY 1)	96	16
CMP+DST+DLY2 (COMPRESSOR+DISTORTION+DELAY 2)	96	0
CMP+OD+DLY1 (COMPRESSOR+OVERDRIVE+DELAY 1)	96	17
CMP+OD+DLY2 (COMPRESSOR+OVERDRIVE+DELAY 2)	96	1
V_DST H+DLY (V DISTORTION HARD+DELAY)	98	1
V_DST S+DLY (V DISTORTION SOFT+DELAY)	98	3
DST+TDLY (DISTORTION+TEMPO DELAY)	100	0
OD+TDLY (OVERDRIVE+TEMPO DELAY)	100	1
CMP+DST+TDL (COMPRESSOR+DISTORTION+TEMPO DELAY)	101	0
CMP+OD+TDLY (COMPRESSOR+OVERDRIVE+TEMPO DELAY)	101	1
V_DST H+TDLY (V DISTORTION HARD+TEMPO DELAY)	103	0
V_DST S+TDLY (V DISTORTION SOFT+TEMPO DELAY)	103	1
COMPRESSOR	83	0
NOISE GATE	84	0
VCE CANCEL	85	0
AMBIENCE	88	0
TALKING MOD	93	0
LO-FI	94	0
PHASER1	72	0
PHASER2	72	8
EP PHASER1	72	17
EP PHASER2	72	18
EP PHASER3	72	16
PITCH CHG1 (PITCH CHANGE 1)	80	16
PITCH CHG2 (PITCH CHANGE 2)	80	0
PITCH CHG3 (PITCH CHANGE 3)	80	1
ROTARY SP1	69	16
ROTARY SP2	71	17
ROTARY SP3	71	18
ROTARY SP4	70	17
ROTARY SP5	66	18
ROTARY SP6	69	0
2WAY ROT SP (2WAY ROTARY SP)	86	0
DST+ROT SP (DISTORTION+ROTARY SP)	69	1
DST+2ROT SP (DISTORTION+2WAY ROTARY SP)	86	1
OD+ROT SP (OVERDRIVE+ROTARY SP)	69	2
OD+2ROT SP (OVERDRIVE+2WAY ROTARY SP)	86	2
AMP+ROT SP (AMP SIMULATOR+ROTARY SP)	69	3
AMP+2ROT SP (AMP SIMULATOR+2WAY ROTARY SP)	86	3
DUAL ROT SP1 (DUAL ROTOR SPEAKER 1)	99	0
DUAL ROT SP2 (DUAL ROTOR SPEAKER 2)	99	1
AUTO PAN1	71	16
AUTO PAN2	71	0
EP AUTOPAN	71	21
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
EP TREMOLO	70	18
GT TREMOLO1	71	20
GT TREMOLO2	70	19
AUTO WAH1	78	16
AUTO WAH2	78	0
AT WAH+DST1 (AUTO WAH+DISTORTION 1)	78	17
AT WAH+DST2 (AUTO WAH+DISTORTION 2)	78	1
AT WAH+OD1 (AUTO WAH+OVERDRIVE 1)	78	18
AT WAH+OD2 (AUTO WAH+OVERDRIVE 2)	78	2
TOUCH WAH1	82	0
TOUCH WAH2	82	8
TC WAH+DST1 (TOUCH WAH+DISTORTION 1)	82	16
TC WAH+DST2 (TOUCH WAH+DISTORTION 2)	82	1
TC WAH+OD1 (TOUCH WAH+OVERDRIVE 1)	82	17
TC WAH+OD2 (TOUCH WAH+OVERDRIVE 2)	82	2
CLAVI TC WAH (CLAVI TOUCH WAH)	82	18
EP TC WAH (EP TOUCH WAH)	82	19
WH+DST+DLY1 (WAH+DISTORTION+DELAY 1)	97	16
WH+DST+DLY2 (WAH+DISTORTION+DELAY 2)	97	0
WH+DST+TDLY (WAH+DISTORTION+TEMPO DELAY)	102	0
WH+OD+DLY1 (WAH+OVERDRIVE+DELAY 1)	97	17
WH+OD+DLY2 (WAH+OVERDRIVE+DELAY 2)	97	1
WH+OD+TDLY (WAH+OVERDRIVE+TEMPO DELAY)	102	1
THRU	64	0
NO EFFECT	0	0

PSR-2100 Insertion1 – 3

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
ENS DETUNE (ENSEMBLE DETUNE)	87	0
KARAOKE1	20	0
KARAOKE2	20	1
KARAOKE3	20	2
EQ DISCO	76	16
EQ TEL	76	17
2BAND EQ	77	0
3BAND EQ	76	0
HM ENHANCE1 (HARMONIC ENHANCER 1)	81	16
HM ENHANCE2 (HARMONIC ENHANCER 2)	81	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
TEMPO DELAY	21	0
TEMPO ECHO	21	8
TEMPO CROSS	22	0
DIST HEAVY	73	0
OVERDRIVE	74	0
DIST HARD (DISTORTION HARD)	75	16
DIST HARD2	75	22
DIST SOFT (DISTORTION SOFT)	75	17
DIST SOFT2	75	23
AMP SIM (AMP SIMULATOR)	75	0
ST AMP2	75	21
COMPRESSOR	83	0
NOISE GATE	84	0
PHASER1	72	0
EP PHASER1	72	17
EP PHASER2	72	18
EP PHASER3	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
AUTO PAN1	71	16
AUTO PAN2	71	0
EP AUTOPAN	71	21
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
EP TREMOLO	70	18
GT TREMOLO1	71	20
GT TREMOLO2	70	19
AUTO WAH1	78	16
AUTO WAH2	78	0
TOUCH WAH1	82	0
TOUCH WAH2	82	8
THRU	64	0

PSR-1100 Variation

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
FLANGERS	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
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



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

If a table has no LSB number specified, the table applies for any LSB numbers.

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).

MSB = 1

MSB = 2

MSB = 3

MSB = 4

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	1.0k – Thru	34 – 60	table#3	
6					
7					
8					
9					
10	Dry/Wet Balance	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)	0 – 4		
		0 – 2 (ins1-3) (*1)	0 – 2		
13	Er/Rev Balance	E63>R – E=R – E<R63	1 – 127		
14	High Damp (*1)	0.1 – 1.0	1 – 10		
15	Feedback Level	-63 – +63	1 – 127		
16					

MSB = 5

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1 – 1486.0ms (*2) 0.1 – 715.0ms (*3)	1 – 14860 1 – 7150		
2	Rch Delay	0.1 – 1486.0ms (*2) 0.1 – 715.0ms (*3)	1 – 14860 1 – 7150		
3	Cch Delay	0.1 – 1486.0ms (*2) 0.1 – 715.0ms (*3)	1 – 14860 1 – 7150		
4	Feedback Delay	0.1 – 1486.0ms (*2) 0.1 – 715.0ms (*3)	1 – 14860 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 Balance	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		

MSB = 6

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1 – 1486.0ms (*2) 0.1 – 715.0ms (*3)	1 – 14860 1 – 7150		
2	Rch Delay	0.1 – 1486.0ms (*2) 0.1 – 715.0ms (*3)	1 – 14860 1 – 7150		
3	Feedback Delay 1	0.1 – 1486.0ms (*2) 0.1 – 715.0ms (*3)	1 – 14860 1 – 7150		
4	Feedback Delay 2	0.1 – 1486.0ms (*2) 0.1 – 715.0ms (*3)	1 – 14860 1 – 7150		
5	Feedback Level	-63 – +63	1 – 127		
6	High Damp	0.1 – 1.0	1 – 10		
7					
8					
9					
10	Dry/Wet Balance	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		

MSB = 7

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay1	0.1 – 743.0ms (*2) 0.1 – 355.0ms (*3)	1 – 7430 1 – 3550		
2	Lch Feedback Level	-63 – +63	1 – 127		
3	Rch Delay1	0.1 – 743.0ms (*2) 0.1 – 355.0ms (*3)	1 – 7430 1 – 3550		
4	Rch Feedback Level	-63 – +63	1 – 127		
5	High Damp	0.1 – 1.0	1 – 10		
6	Lch Delay2	0.1 – 743.0ms (*2) 0.1 – 355.0ms (*3)	1 – 7430 1 – 3550		
7	Rch Delay2	0.1 – 743.0ms (*2) 0.1 – 355.0ms (*3)	1 – 7430 1 – 3550		
8	Delay2 Level	0 – 127	0 – 127		
9					
10	Dry/Wet Balance	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		

MSB = 8

No.	Parameter	Display	Value	See Table	Control
1	L→R Delay	0.1 – 743.0ms (*2) 0.1 – 355.0ms (*3)	1 – 7430 1 – 3550		
2	R→L Delay	0.1 – 743.0ms (*2) 0.1 – 355.0ms (*3)	1 – 7430 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 Balance	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		

MSB = 9

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	1.0k – Thru	34 – 60	table#3	
8					
9					
10	Dry/Wet Balance	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					

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	1.0k – Thru	34 – 60	table#3	
8					
9					
10	Dry/Wet Balance	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					

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	1.0k – Thru	34 – 60	table#3	
6	Width	0.5 – 10.2m	0 – 37	table#11	
7	Height	0.5 – 20.2m	0 – 73	table#11	
8	Depth	0.5 – 30.2m	0 – 104	table#11	
9	Wall Vary	0 – 30	0 – 30		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Rev Delay	0.1mS – 99.3mS	0 – 63	table#5	
12	Density (*1)	0 – 4	0 – 4		
13	Er/Rev Balance (*1)	E63>R – E=R – E<R63	1 – 127		
14	High Damp (*1)	0.1 – 1.0	1 – 10		
15	Feedback Level (*1)	-63 – +63	1 – 127		
16					

**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	1.0k – Thru	34 – 60	table#3	
5					
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13					
14					
15					
16					

**MSB = 21**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Feedback Level	-63 – +63	1 – 127		
3	Feedback High Dump	0 – 1.0	0 – 10		
4	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
5	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		●
11					
12					
13	EQ Low Frequency	32 – 2.0kH	4 – 40		
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500 – 16.0kHz	28 – 58		
16	EQ High Gain	-12 – +12dB	52 – 76		

**MSB = 22**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time L>R	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Time R>L	64th/3 – 4thx6	0 – 19	table#14	
3	Feedback Level	-63 – +63	1 – 127		
4	Input Select	L, R, L&R	0 – 2		
5	Feedback High Dump	0 – 1.0	0 – 10		
6	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		●
11					
12					
13	EQ Low Frequency	32 – 2.0kH	4 – 40		
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500 – 16.0kHz	28 – 58		
16	EQ High Gain	-12 – +12dB	52 – 76		

**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 Balance	D63>W – D=W – D<W63	1 – 127		●
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14					
15	Input Mode	mono/stereo	0 – 1		
16					

**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 Balance	D63>W – D=W – D<W63	1 – 127		●
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14	LFO Phase Difference	-180 – +180deg (resolution=3deg.)	4 – 124		
15					
16					

**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 Balance	D63>W – D=W – D<W63	1 – 127		●
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14					
15					
16					

**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 Balance	D63>W – D=W – D<W63	1 – 127		
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14					
15					
16					

**MSB = 69, LSB = 1**

**MSB = 69, LSB = 2**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.0 – 39.7Hz	0 – 127		●
2	LFO Depth	0 – 127	0 – 127		
3					
4					
5					
6	EQ Low Frequency	32 – 2.0kHz	4 – 40		
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500 – 16.0kHz	28 – 58		
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		
11					
12					
13					
14	Drive	0 – 127	0 – 127		
15	LPF Cutoff	1kHz – Thru	34 – 60		
16	Output Level	0 – 127	0 – 127		

**MSB = 69, LSB = 3**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.0 – 39.7Hz	0 – 127		●
2	LFO Depth	0 – 127	0 – 127		
3	AMP Type	Off, Stack, Combo, Tube	0 – 3		
4					
5					
6	EQ Low Frequency	32 – 2.0kHz	4 – 40		
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500 – 16.0kHz	28 – 58		
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		
11					
12					
13					
14	Drive	0 – 127	0 – 127		
15	LPF Cutoff	1kHz – Thru	34 – 60		
16	Output Level	0 – 127	0 – 127		

**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	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14	LFO Phase Difference	-180 – +180deg (resolution=3deg.)	4 – 124		
15	Input Mode	mono/stereo	0 – 1		
16					

**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, Rturn, 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	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14					
15					
16					

**MSB = 72, LSB = 0, 16, 17, 18**

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 Balance	D63>W – D=W – D<W63	1 – 127		●
11	Stage	4, 5, 6 (*5) 4 – 12 (*4) 6, 7, 8, 9, 10 (*6)	4 – 6 4 – 12 6 – 10		
12	Diffusion (*1)	mono/stereo	0 – 1		
13					
14					
15					
16					

**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 Balance	D63>W – D=W – D<W63	1 – 127		●
11	Stage	3, 4, 5, 6 (*1) 3, 4, 5 (*6)	3 – 6 3 – 5		
12					
13	LFO Phase Difference	-180deg – +180deg (resolution=3deg.)	4 – 124		
14					
15					
16					

**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	1.0k – 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 Balance	D63>W – D=W – D<W63	1 – 127		
11	Edge (Clip Curve)	0 (mild) – 127 (sharp)	0 – 127		
12					
13					
14					
15					
16					

**MSB = 73, LSB = 1, 16**

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	1.0k – 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 Balance	D63>W – D=W – D<W63	1 – 127		
11	Edge (Clip Curve)	0 (mild) – 127 (sharp)	0 – 127		
12	Attack	1ms – 40ms	0 – 19	table#8	
13	Release	10ms – 680ms	0 – 15	table#9	
14	Threshold	-48dB – -6dB	79 – 121		
15	Ratio	1.0 – 20.0	0 – 7	table#10	
16					

**MSB = 73, LSB = 8**  
**MSB = 74, LSB = 8**

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

**MSB = 75**

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	1.0k – Thru	34 – 60	table#3	
4	Output Level		0 – 127		
5					
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		
11	Edge (Clip Curve)	0 (mild) – 127 (sharp)	0 – 127		
12					
13					
14					
15					
16					

**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					

**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					

**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 Balance	D63>W – D=W – D<W63	1 – 127		
11	Drive (*4)	0 – 127	0 – 127		
12					
13					
14					
15					
16					

MSB = 78, LSB = 1, 17  
MSB = 78, LSB = 2, 18

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	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 Balance	D63>W – D=W – D<W63	1 – 127		
11	Drive	0 – 127	0 – 127		
12	EQ Low Gain (distortion)	-12 – +12dB	52 – 76		
13	EQ Mid Gain (distortion)	-12 – +12dB	52 – 76		
14	LPF Cutoff	1.0kHz – thru	34 – 60	table#3	
15	Output Level	0 – 127	0 – 127		
16					

MSB = 80, LSB = 0, 16

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

MSB = 80, LSB = 1

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

MSB = 81

No.	Parameter	Display	Value	See Table	Control
1	HPF Cutoff	500Hz – 16.0kHz	28 – 58		
2	Drive	0 – 127	0 – 127		
3	Mix Level	0 – 127	0 – 127		
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

MSB = 82, LSB = 0  
MSB = 82, LSB = 1, 16

No.	Parameter	Display	Value	See Table	Control
1	Sensitive	0 – 127	0 – 127	table#1	●
2	Cutoff Frequency Offset	0 – 127	0 – 127		
3	Resonance	1.0 – 12.0	10 – 120		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	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 Balance	D63>W – D=W – D<W63	1 – 127		
11	Drive	0 – 127 (var/ins1-4 block)	0 – 127		
12					
13					
14					
15					
16					

MSB = 82, LSB = 8  
MSB = 82, LSB = 2, 17, 18, 19

No.	Parameter	Display	Value	See Table	Control
1	Sensitive	0 – 127	0 – 127	table#1	●
2	Cutoff Frequency Offset	0 – 127	0 – 127		
3	Resonance	1.0 – 12.0	10 – 120		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	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 Balance	D63>W – D=W – D<W63	1 – 127		
11	Drive	0 – 127 (*4)	0 – 127		
12	EQ Low Gain(distortion)	-12 – +12dB (*4)	52 – 76		
13	EQ Mid Gain(distortion)	-12 – +12dB (*4)	52 – 76		
14	LPF Cutoff	1.0kHz – thru (*4)	34 – 60	table#3	
15	Output Level	0 – 127 (*4)	0 – 127		
16	Release	10 – 680mS (*4)	52 – 67	table#12	

MSB = 83

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

MSB = 84

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

MSB = 85

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

MSB = 86, LSB = 0

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0Hz – 39.7Hz	0 – 127	table#1	●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High	L63>H – L=L – L<H63	1 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	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	Crossover Frequency	100Hz – 10.0kHz	14 – 54	table#3	
12	Mic L-R Angle	0deg – 180deg (resolution=3deg.)	0 – 60		
13					
14					
15					
16					

**MSB = 86, LSB = 1**  
**MSB = 86, LSB = 2**

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0 – 39.7Hz	0 – 127		●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High Balance	L63>H – L=H – L<H=63	1 – 127		
5					
6	EQ Low Frequency	32 – 2.0kHz	4 – 40		
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500 – 16.0kHz	28 – 58		
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	Crossover Frequency	100 – 10.0kHz	14 – 54		
12	Mic L-R Angle	0 – 180deg	0 – 60		
13					
14	Drive		0 – 127		
15	LPF Cutoff	1kHz – Thru	34 – 60		
16	Output Level		0 – 127		

**MSB = 86, LSB = 3**

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0 – 39.7Hz	0 – 127		●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High Balance	L63>H – L=H – L<H=63	1 – 127		
5					
6	EQ Low Frequency	32 – 2.0kHz	4 – 40		
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500 – 16.0kHz	28 – 58		
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	Crossover Frequency	100 – 10.0kHz	14 – 54		
12	Mic L-R Angle	0 – 180deg	0 – 60		
13	AMP Type	Off, Stack, Combo, Tube (AMPSIM only)	0 – 3		
14	Drive		0 – 127		
15	LPF Cutoff	1kHz – Thru	34 – 60		
16	Output Level		0 – 127		

**MSB = 87**

No.	Parameter	Display	Value	See Table	Control
1	Detune	-50 – +50cent	14 – 114		
2	Lch Init Delay	0.0mS – 50mS	0 – 127	table#2	
3	Rch Init Delay	0.0mS – 50mS	0 – 127	table#2	
4					
5					
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	EQ Low Frequency	32Hz – 2.0kHz (variation, insertion block)	4 – 40	table#3	
12	EQ Low Gain	-12 – +12dB (variation, insertion block)	52 – 76		
13	EQ High Frequency	500Hz – 16.0kHz (variation, insertion block)	28 – 58	table#3	
14	EQ High Gain	-12 – +12dB (variation, insertion block)	52 – 76		
15					
16					

**MSB = 88**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.0mS – 50mS	0 – 127	table#2	
2	Output Phase	normal/invers	0 – 1		
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 Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13					
14					
15					
16					

**MSB = 93**

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

**MSB = 94**

No.	Parameter	Display	Value	See Table	Control
1	Sampling Freq Control	44.1kHz – 345Hz	0 – 127	table#13	
2	Word Length	1 – 127	1 – 127		
3	Output Gain	-6 – +12dB	0 – 18		
4	LPF Cutoff	63Hz – Thru	10 – 60	table#3	
5	Filter Type	Thru, PowerBass, Radio, Tel, Clean, Low	0 – 5		
6	LPF Resonance	1.0 – 12.0	10 – 120		
7	Bit Assign	0 – 6	0 – 6		
8	Emphasis	Off/On	0 – 1		
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13					
14					
15	Input Mode	mono/stereo			
16					

**MSB = 95**

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay Time	0.1 – 1486.0ms	1 – 14860		
2	Rch Delay Time	0.1 – 1486.0ms	1 – 14860		
3	Delay Feedback Time	0.1 – 1486.0ms	1 – 14860		
4	Delay Feedback Level	-63 – +63	1 – 127		
5	Delay Mix	0 – 127	0 – 127		
6	Dist Drive	0 – 127	0 – 127		
7	Dist Output Level	0 – 127	0 – 127		
8	Dist EQ Low Gain	-12 – +12dB	52 – 76		
9	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13					
14					
15					
16					

**MSB = 96**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1 – 1486.0ms	1 – 14860		
2	Delay Feedback Level	-63 – +63	1 – 127		
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127		
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Comp. Attack	1ms – 40ms	0 – 19	table#8	
12	Comp. Release	10ms – 680ms	0 – 15	table#9	
13	Comp. Threshold	-48dB – -6dB	79 – 121		
14	Comp. Ratio	1.0 – 20.0	0 – 7	table#10	
15					
16					

**MSB = 97**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1 – 1486.0ms	1 – 14860		
2	Delay Feedback Level	-63 – +63	1 – 127		
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127		
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Wah Sensitive	0 – 127	0 – 127		
12	Wah Cutoff Freq Offset	0 – 127	0 – 127		
13	Wah Resonance	1.0 – 12.0	10 – 120		
14	Wah Release	10 – 680ms	52 – 67	table#12	
15					
16					

**MSB = 98, LSB = 0**  
**MSB = 98, LSB = 2**

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

**MSB = 98, LSB = 1**  
**MSB = 98, LSB = 3**

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0 – 100%	0 – 100		
2	Device	Transister/Vintage Tube/ Dist1/Dist2/Fuzz	0 – 4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0 – 5		
4	Presence	0 – 20	0 – 20		
5	Output Level	0 – 100%	0 – 100		
6	Delay Time L	0.1ms – 1486.0ms	1 – 14860		
7	Delay Time R	0.1ms – 1486.0ms	1 – 14860		
8	Delay Feedback Time	0.1ms – 1486.0ms	1 – 14860		
9	Delay Feedback Level	-63 – +63	1 – 127		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Delay Mix	0 – 127	0 – 127		
12					
13					
14					
15					
16					

**MSB = 99**

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed Slow	0.0 – 2.65Hz	0 – 63	table#1	
2	Horn Speed Slow	0.0 – 2.65Hz	0 – 63	table#1	
3	Rotor Speed Fast	2.69 – 39.7Hz	64 – 127	table#1	
4	Horn Speed Fast	2.69 – 39.7Hz	64 – 127	table#1	
5	Slow-Fast Time of R	0 – 127	0 – 127		
6	Slow-Fast Time of H	0 – 127	0 – 127		
7	Drive Low	0 – 127	0 – 127		
8	Drive High	0 – 127	0 – 127		
9	Low/High Balance	L63>H – L=H – L<H=63	1 – 127		
10					
11	EQ Low Frequency	32 – 2.0kH	4 – 40	table#3	
12	EQ Low Gain	-12 – +12dB	52 – 76		
13	EQ High Frequency	500 – 16.0kH	28 – 58	table#3	
14	EQ High Gain	-12 – +12dB	52 – 76		
15	Mic L-R Angle	0 – 180deg	0 – 60		
16	Speed Control	Slow/Fast	0/1		●

**MSB = 100**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Feedback Level	-63 – +63	1 – 127		
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127		
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ High Gain	-12 – +12dB	52 – 76		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		●
11					
12					
13					
14					
15					
16					

**MSB = 101**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Feedback Level	-63 – +63	1 – 127		
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127		
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ High Gain	-12 – +12dB	52 – 76		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		●
11	Comp. Attack	1ms – 40ms	0 – 19		
12	Comp. Release	10ms – 680ms	0 – 15		
13	Comp. Threshold	-48dB – -6dB	79 – 121		
14	Comp. Ratio	1.0 – 20.0	0 – 7		
15					
16					

**MSB = 102**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Feedback Level	-63 – +63	1 – 127		
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127		
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ High Gain	-12 – +12dB	52 – 76		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		●
11	Wah Sensitive	0 – 127	0 – 127		
12	Wah Cutoff Freq Offset	0 – 127	0 – 127		
13	Wah Resonance	1.0 – 12.0	10 – 120		
14	Wah Release	10 – 680mS	52 – 67		
15					
16					

**MSB = 103**

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0 – 100%	0 – 100		
2	Device	Transister/Vintage Tube/ Dist1/Dist2/Fuzz	0 – 4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0 – 5		
4	Presence	0 – 20	0 – 20		
5	Output Level	0 – 100%	0 – 100		
6	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
7	Delay Feedback Level	-63 – +63	1 – 127		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Delay Mix	0 – 127	0 – 127		
12					
13					
14					
15					
16					

**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					

**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 Balance only affects insertion type effects.

\*1  
PSR-2100 only

\*2  
PSR-2100: Variation

\*3  
PSR-2100: Insertion 1 – 3  
PSR-1100: Variation

\*4  
PSR-2100 Variation only

\*5  
PSR-2100 Chorus, Insertion only

\*6  
PSR-1100 only

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

**Table#1**  
LFO Frequency

Data	Value	Data	Value	Data	Value	Data	Value
0	0.00	32	1.35	64	2.69	96	8.41
1	0.04	33	1.39	65	2.78	97	8.75
2	0.08	34	1.43	66	2.86	98	9.08
3	0.13	35	1.47	67	2.94	99	9.42
4	0.17	36	1.51	68	3.03	100	9.76
5	0.21	37	1.56	69	3.11	101	10.1
6	0.25	38	1.60	70	3.20	102	10.8
7	0.29	39	1.64	71	3.28	103	11.4
8	0.34	40	1.68	72	3.37	104	12.1
9	0.38	41	1.72	73	3.45	105	12.8
10	0.42	42	1.77	74	3.53	106	13.5
11	0.46	43	1.81	75	3.62	107	14.1
12	0.51	44	1.85	76	3.70	108	14.8
13	0.55	45	1.89	77	3.87	109	15.5
14	0.59	46	1.94	78	4.04	110	16.2
15	0.63	47	1.98	79	4.21	111	16.8
16	0.67	48	2.02	80	4.37	112	17.5
17	0.72	49	2.06	81	4.54	113	18.2
18	0.76	50	2.10	82	4.71	114	19.5
19	0.80	51	2.15	83	4.88	115	20.9
20	0.84	52	2.19	84	5.05	116	22.2
21	0.88	53	2.23	85	5.22	117	23.6
22	0.93	54	2.27	86	5.38	118	24.9
23	0.97	55	2.31	87	5.55	119	26.2
24	1.01	56	2.36	88	5.72	120	27.6
25	1.05	57	2.40	89	6.06	121	28.9
26	1.09	58	2.44	90	6.39	122	30.3
27	1.14	59	2.48	91	6.73	123	31.6
28	1.18	60	2.52	92	7.07	124	33.0
29	1.22	61	2.57	93	7.40	125	34.3
30	1.26	62	2.61	94	7.74	126	37.0
31	1.30	63	2.65	95	8.08	127	39.7

**Table#4**  
Reverb Time

Data	Value	Data	Value	Data	Value
0	0.3	32	3.5	64	17.0
1	0.4	33	3.6	65	18.0
2	0.5	34	3.7	66	19.0
3	0.6	35	3.8	67	20.0
4	0.7	36	3.9	68	25.0
5	0.8	37	4.0	69	30.0
6	0.9	38	4.1	70	35.0
7	1.0	39	4.2	71	40.0
8	1.1	40	4.3	72	45.0
9	1.2	41	4.4	73	50.0
10	1.3	42	4.5	74	55.0
11	1.4	43	4.6	75	60.0
12	1.5	44	4.7	76	65.0
13	1.6	45	4.8	77	70.0
14	1.7	46	4.9	78	75.0
15	1.8	47	5.0	79	80.0
16	1.9	48	5.5	80	85.0
17	2.0	49	6.0	81	90.0
18	2.1	50	6.5	82	95.0
19	2.2	51	7.0	83	100.0
20	2.3	52	7.5	84	105.0
21	2.4	53	8.0	85	110.0
22	2.5	54	8.5	86	115.0
23	2.6	55	9.0	87	120.0
24	2.7	56	9.5	88	125.0
25	2.8	57	10.0	89	130.0
26	2.9	58	11.0	90	135.0
27	3.0	59	12.0	91	140.0
28	3.1	60	13.0	92	145.0
29	3.2	61	14.0	93	150.0
30	3.3	62	15.0	94	155.0
31	3.4	63	16.0	95	160.0

**Table#7**  
Delay Time (400.0ms)

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	100.9	64	201.6	96	302.4
1	3.2	33	104.0	65	204.8	97	305.5
2	6.4	34	107.2	66	207.9	98	308.7
3	9.5	35	110.3	67	211.1	99	311.8
4	12.7	36	113.5	68	214.2	100	315.0
5	15.8	37	116.6	69	217.4	101	318.1
6	19.0	38	119.8	70	220.5	102	321.3
7	22.1	39	122.9	71	223.7	103	324.4
8	25.3	40	126.1	72	226.8	104	327.6
9	28.4	41	129.2	73	230.0	105	330.7
10	31.6	42	132.4	74	233.1	106	333.9
11	34.7	43	135.5	75	236.3	107	337.0
12	37.9	44	138.6	76	239.4	108	340.2
13	41.0	45	141.8	77	242.6	109	343.3
14	44.2	46	144.9	78	245.7	110	346.5
15	47.3	47	148.1	79	248.9	111	349.6
16	50.5	48	151.2	80	252.0	112	352.8
17	53.6	49	154.4	81	255.2	113	355.9
18	56.8	50	157.5	82	258.3	114	359.1
19	59.9	51	160.7	83	261.5	115	362.2
20	63.1	52	163.8	84	264.6	116	365.4
21	66.2	53	167.0	85	267.7	117	368.5
22	69.4	54	170.1	86	270.9	118	371.7
23	72.5	55	173.3	87	274.0	119	374.8
24	75.7	56	176.4	88	277.2	120	378.0
25	78.8	57	179.6	89	280.3	121	381.1
26	82.0	58	182.7	90	283.5	122	384.3
27	85.1	59	185.9	91	286.6	123	387.4
28	88.3	60	189.0	92	289.8	124	390.6
29	91.4	61	192.2	93	292.9	125	393.7
30	94.6	62	195.3	94	296.1	126	396.9
31	97.7	63	198.5	95	299.2	127	400.0

**Table#12**  
Wah Release Time

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

**Table#2**  
Modulation Delay Offset

Data	Value	Data	Value	Data	Value	Data	Value
0	0.0	32	3.2	64	6.4	96	9.6
1	0.1	33	3.3	65	6.5	97	9.7
2	0.2	34	3.4	66	6.6	98	9.8
3	0.3	35	3.5	67	6.7	99	9.9
4	0.4	36	3.6	68	6.8	100	10.0
5	0.5	37	3.7	69	6.9	101	11.1
6	0.6	38	3.8	70	7.0	102	12.2
7	0.7	39	3.9	71	7.1	103	13.3
8	0.8	40	4.0	72	7.2	104	14.4
9	0.9	41	4.1	73	7.3	105	15.5
10	1.0	42	4.2	74	7.4	106	17.1
11	1.1	43	4.3	75	7.5	107	18.6
12	1.2	44	4.4	76	7.6	108	20.2
13	1.3	45	4.5	77	7.7	109	21.8
14	1.4	46	4.6	78	7.8	110	23.3
15	1.5	47	4.7	79	7.9	111	24.9
16	1.6	48	4.8	80	8.0	112	26.5
17	1.7	49	4.9	81	8.1	113	28.0
18	1.8	50	5.0	82	8.2	114	29.6
19	1.9	51	5.1	83	8.3	115	31.2
20	2.0	52	5.2	84	8.4	116	32.8
21	2.1	53	5.3	85	8.5	117	34.3
22	2.2	54	5.4	86	8.6	118	35.9
23	2.3	55	5.5	87	8.7	119	37.5
24	2.4	56	5.6	88	8.8	120	39.0
25	2.5	57	5.7	89	8.9	121	40.6
26	2.6	58	5.8	90	9.0	122	42.2
27	2.7	59	5.9	91	9.1	123	43.7
28	2.8	60	6.0	92	9.2	124	45.3
29	2.9	61	6.1	93	9.3	125	46.9
30	3.0	62	6.2	94	9.4	126	48.4
31	3.1	63	6.3	95	9.5	127	50.0

**Table#5**  
Delay Time (200.0ms)

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	50.5	64	100.8	96	151.2
1	1.7	33	52.0	65	102.4	97	152.8
2	3.2	34	53.6	66	104.0	98	154.4
3	4.8	35	55.2	67	105.6	99	155.9
4	6.4	36	56.8	68	107.1	100	157.5
5	8.0	37	58.3	69	108.7	101	159.1
6	9.5	38	59.9	70	110.3	102	160.6
7	11.1	39	61.5	71	111.9	103	162.2
8	12.7	40	63.1	72	113.4	104	163.8
9	14.3	41	64.6	73	115.0	105	165.4
10	15.8	42	66.2	74	116.6	106	166.9
11	17.4	43	67.8	75	118.2	107	168.5
12	19.0	44	69.4	76	119.7	108	170.1
13	20.6	45	70.9	77	121.3	109	171.7
14	22.1	46	72.5	78	122.9	110	173.2
15	23.7	47	74.1	79	124.4	111	174.8
16	25.3	48	75.7	80	126.0	112	176.4
17	26.9	49	77.2	81	127.6	113	178.0
18	28.4	50	78.8	82	129.2	114	179.5
19	30.0	51	80.4	83	130.7	115	181.1
20	31.6	52	81.9	84	132.3	116	182.7
21	33.2	53	83.5	85	133.9	117	184.3
22	34.7	54	85.1	86	135.5	118	185.8
23	36.3	55	86.7	87	137.0	119	187.4
24	37.9	56	88.2	88	138.6	120	189.0
25	39.5	57	89.8	89	140.2	121	190.6
26	41.0	58	91.4	90	141.8	122	192.1
27	42.6	59	93.0	91	143.3	123	193.7
28	44.2	60	94.5	92	144.9	124	195.3
29	45.7	61	96.1	93	146.5	125	196.9
30	47.3	62	97.7	94	148.1	126	198.4
31	48.9	63	99.3	95	149.6	127	200.0

**Table#8**  
Compressor  
Attack Time

Data	Value
0	1
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	10
10	12
11	14
12	16
13	18
14	20
15	23
16	26
17	30
18	35
19	40

# Harmony/Echo Type List

## Liste der Harmony/Echo-Effekttypen

## Liste des types d'harmonie/d'écho

## Lista de tipos de ecos/armonías

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

# Vocal Harmony Type List

## Liste der Vocal-Harmony-Effekttypen

## Liste des types d'harmonie vocale

## Lista de tipos de armonía

(PSR-2100 only)

Display Name	Harmony Type	Mode
Std Duet	Standard Duet	Chordal/Vocoder
Girl Duet	Girl in Duet	Chordal/Vocoder
Lisa&Tina	Lisa and Tina	Chordal/Vocoder
Sing B+G	Sing B+G	Chordal/Vocoder
Dream Girls	Dream Girls	Chordal/Vocoder
MenChoir	Men Choir	Chordal/Vocoder
WomenChoir	Women Choir	Chordal/Vocoder
ClosedChoir	Closed Choir	Chordal/Vocoder
MixedChoir	Mixed Choir	Chordal/Vocoder
CountryMen	Country Men	Chordal/Vocoder
CntryGirls	Country Girls	Chordal/Vocoder
Barbershop	Barbershop	Chordal/Vocoder
JazzMenCho	JazzMenChoir	Chordal/Vocoder
J_WomenCho	JazzWomenCho	Chordal/Vocoder
J_CloseCho	JazzClosedCho	Chordal/Vocoder
J_MixedCho	JazzMixedCho	Chordal/Vocoder
DiatncJazz	Diatonic Jazz	Chordal/Vocoder
DiatncGirl	Diatonic Girl	Chordal/Vocoder
ACapellBoy	A Capella Boy	Chordal/Vocoder
ACapellaMix	A Capella Mix	Chordal/Vocoder
ACapellaDia	A Capella Dia	Chordal/Vocoder
FalsetDuet	False Duet	Chordal/Vocoder
FalsetTrio	False Trio	Chordal/Vocoder
FalseDua	False Duet	Chordal/Vocoder
FalseJazz	False Jazz	Chordal/Vocoder
FalACapella	Fal A Capella	Chordal/Vocoder
2UnisonLow	2 Unison Low	Chordal/Vocoder
2UnisonHigh	2 Unison High	Chordal/Vocoder
3UnisonLow	3 Unison Low	Chordal/Vocoder
3UnisonHigh	3 Unison High	Chordal/Vocoder
Voice&Inst	Voice & Inst	Chordal/Vocoder
ChordalXG	ChordalXG	Chordal/Vocoder
VocodAutoU	Vocoder Auto Upper	Chordal/Vocoder
VocodAutoL	Vocoder Auto Lower	Chordal/Vocoder
VocodModeU	Vocoder Mode Upper	Chordal/Vocoder
VocodModeL	Vocoder Mode Lower	Chordal/Vocoder
VocodGirlU	Vocoder Girl Upper	Chordal/Vocoder
VocodGirlL	Vocoder Girl Lower	Chordal/Vocoder
VocodPichU	Vocoder Pitch Upper	Chordal/Vocoder
VocodPichL	Vocoder Pitch Lower	Chordal/Vocoder
KaraokAuto	Karaoke Auto	Chordal/Vocoder
KaraokMode	Karaoke Mode	Chordal/Vocoder
KaraokGirl	Karaoke Girl	Chordal/Vocoder
KaraokPich	Karaoke Pitch	Chordal/Vocoder
VocoderXG	VocoderXG	Chordal/Vocoder
SingBass	Sing the Bass	Chromatic
SpdyMouse	Speedy Mouse	Chromatic
ChromatXG	ChromaticXG	Chromatic
DetuneXG	DetuneXG	Detune
Thru	Thru	-

Vocal harmony types that have "Chordal/Vocoder" in the Mode column can be used in either Chordal or Vocoder Mode.



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

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
OTS	When you memorize settings with the REGISTRATION buttons and then save the current style as a Style file.	When you call up an OTS by pressing one of OTS buttons.	
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.

O: Memorized  
X: Not Memorized

Parameter	System Setup	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
<b>Main Window</b>											
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./OTS is not actual Voice, but Program Change.
MultiPadFile	X	X	-	O	Keyboard Voice	X	O	O	MultiPad	-	
RegistrationBankFile	X	X	-	X	-	X	X	X	-	-	
PartSelect	X	X	-	X	-	X	X	X	-	-	
PartOnOff (Main, Layer)	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
PartOnOff (Left)	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
<b>Balance Popup</b>											
SongVolume	X	X	-	X	-	X	X	O	Song	-	
StyleVolume	X	X	-	O	-	X	X	O	Style	-	
M.PadVolume	X	X	-	O	Keyboard Voice	X	O	O	MultiPad	-	
MicVolume	X	X	-	O	Mic. Setting	X	X	O	Mic	-	PSR-2100 only
MainVolume	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
LeftVolume	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
LayerVolume	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
<b>Channel OnOff Popup</b>											
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	-	
<b>Voice Effect</b>											
Touch	X	X	-	X	-	X	X	O	Voice	-	
Sustain	X	X	-	X	-	X	X	O	Voice	-	
LeftHold	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
Dsp (Main, Layer)	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
Dsp (Left)	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
Variation (Main, Layer)	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
Variation (Left)	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
Harmony/Echo	X	X	-	O	Keyboard Voice	X	O	O	Harmony	-	
Poly/Mono (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Poly/Mono (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
<b>Registration</b>											
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	-	-	
<b>Menu&gt;Function</b>											
<b>MasterTune/ScaleTune</b>											
<b>MasterTune</b>											
MasterTune	O	X	-	X	-	X	X	X	-	-	
<b>ScaleTune</b>											
Scale	X	X	-	X	-	X	X	O	Scale	-	
Tune	X	X	-	X	-	X	X	O	Scale	-	
BaseNote	X	X	-	X	-	X	X	O	Scale	-	
Scale Part	X	X	-	X	-	X	X	O	Scale	-	
<b>SongSetting</b>											
QuickStart	O	X	-	X	-	X	X	X	-	-	
SongChainPlay	O	X	-	X	-	X	X	X	-	-	
<b>Channel Setting</b>											
Track1 Channel	O	X	-	O	-	X	X	X	-	-	
Track2 Channel	O	X	-	O	-	X	X	X	-	-	
Vocal Harmony Channel →	Mic>MicSetup>VH Song Track										
Auto Ch Set	O	X	-	X	-	X	X	X	-	-	
Phrase Mark	X	X	-	X	-	X	X	X	-	-	
Lyrics Language	O	X	-	O	Lyrics Language	X	X	X	-	-	
<b>StyleSetting/SplitPoint/ChordFingering</b>											
<b>StyleSetting/SplitPoint</b>											
StopAccomp	O	X	-	X	-	X	X	X	-	-	
OTSLinkTiming	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) →	Main Window										
SplitPoint(Left) →	Main Window										
<b>ChordFingering</b>											
FingeringType	O	X	-	X	-	X	X	O	Style	-	
TutorRoot	X	X	-	X	-	X	X	X	-	-	
TutorType	X	X	-	X	-	X	X	X	-	-	

Parameter	System Setup	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
<b>Controller</b>											
<b>Pedal</b>											
PedalType	X	O (Left only)	LPDL	O (Left only)	Keyboard Voice	X	O (Left only)	O	Pedal	-	
PedalSettings	X	O (Left only)	LPDL	O (Left only)	Keyboard Voice	X	O (Left only)	O	Pedal	-	
PedalTypeDefaultSetting	X	X	X	X	-	X	X	X	X	-	
PedalPolarity	O	X	-	X	-	X	X	X	-	-	
<b>Keyboard/Panel</b>											
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	-	-	
<b>Regist.Sequence/Freeze/VoiceSet</b>											
<b>RegistrationSequence</b>											
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.
<b>Freeze</b>											
FreezeGroupSetting	O	X	-	X	-	X	X	X	-	-	
<b>VoiceSet</b>											
VoiceSetEnable Main	O	X	-	X	-	X	X	X	-	-	
VoiceSetEnable Layer	O	X	-	X	-	X	X	X	-	-	
VoiceSetEnable Left	O	X	-	X	-	X	X	X	-	-	
<b>Harmony/Echo</b>											
Type	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
Volume	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
Speed	X	O	Harm	O	Keyboard Voice (Included in Type)	X	O	O	Harm	-	
Assign	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
ChordNoteOnly	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
TouchLimit	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
<b>Utility</b>											
<b>Configuration</b>											
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	O	O	Style	-	
TapCountVelocity	X	X	-	O	Keyboard Voice	X	O	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	-	-	
<b>Disk</b>											
FloppyDiskSongAutoOpen	O	X	-	X	-	X	X	X	-	-	
<b>Owner</b>											
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.
MainPicture	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
<b>SystemReset</b>											
FactoryResetSetting	X	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
<b>MIDI</b>											
<b>System</b>											
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	-	-	
<b>Transmit</b>											
Part (Ch1 – 16)	X	X	-	X	-	X	X	X	-	-	
Filter (Ch1 – 16)	X	X	-	X	-	X	X	X	-	-	
<b>Receive</b>											
Mode (Ch1 – 32)	X	X	-	X	-	X	X	X	-	-	
Filter (Ch1 – 32)	X	X	-	X	-	X	X	X	-	-	
Root	X	X	-	X	-	X	X	X	-	-	
Chord Detect	X	X	-	X	-	X	X	X	-	-	
<b>MIDI Template</b>											
Template No.	O	X	-	X	-	X	X	X	-	-	
Template Name	X	X	-	X	-	X	X	X	-	-	
<b>Lyrics</b>											
BackGround (Panel Setting)	O	X	-	X	Lyrics Language	X	X	X	-	-	Cannot be reset with Factory Reset.
BackGround (Song Setting)	X	X	-	O	Lyrics Language	X	X	X	-	-	Reset to default background with Factory Reset.
<b>MusicScore</b>											
Left on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Right on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Lyric on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Chord on/off	O	X	-	O	Score Setting	X	X	X	-	-	
NoteName on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Size	O	X	-	O	Score Setting	X	X	X	-	-	
Left ch.	X	X	-	O	Score Setting	X	X	X	-	-	
Right ch.	X	X	-	O	Score Setting	X	X	X	-	-	
KeySignature	X	X	-	O	Score Setting	X	X	X	-	-	
Quantize	O	X	-	O	Score Setting	X	X	X	-	-	
NoteName	O	X	-	O	Score Setting	X	X	X	-	-	
ColorNote	O	X	-	O	Score Setting	X	X	X	-	-	
<b>Song</b>											
Track1, 2 On/Off	X	X	-	O	Guide Setting	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	-	-	
StartStop	X	X	-	X	-	X	X	X	-	-	
A-B Repeat	X	X	-	X	-	X	X	X	-	-	

Parameter	System Setup	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
<b>DigitalStudio&gt;DigitalRecording&gt;Song Creator</b>											
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	-	-	
<b>Tempo</b>											
Tempo	X	X	-	O	-	O	X	O	Tempo	-	
Transpose	→ MainWindow										
<b>UpperOctave</b>											
UpperOctave	→ MainWindow										
<b>MultiPad</b>											
Multi Pad ContentsName	X	X	-	X	-	X	X	X	-	-	
<b>DigitalStudio&gt;DigitalRecording&gt;Multi Pad Creator</b>											
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	-	-	
<b>DigitalStudio&gt;DigitalRecording&gt;Style Creator</b>											
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	-	-	
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	-	-	
<b>Style</b>											
AccompanimentOnOff	X	X	-	X	-	X	O (On)	O	Style	-	
AutoFillOnOff	O	X	-	X	-	X	X	X	-	-	
OTSLink	O	X	-	X	-	X	X	X	-	-	
Section	X	X	-	O	-	X	X	O	Style	-	
SyncroStart	X	X	-	X	-	X	O (On)	X	-	-	
SyncroStop	X	X	-	X	-	X	X	X	-	-	
StartStop	X	X	-	O	-	X	X	X	-	-	

Parameter	System Setup	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
<b>MusicFinder</b>											
SortKind	O	X	-	X	-	X	X	X	-	-	
SortOrder	O	X	-	X	-	X	X	X	-	-	
TempoLock	O	X	-	X	-	X	X	X	-	-	
<b>Search1/2</b>											
Music	O	X	-	X	-	X	X	X	-	-	
Keyword	O	X	-	X	-	X	X	X	-	-	
FileNumber	O	X	-	X	-	X	X	X	-	-	
Beat	O	X	-	X	-	X	X	X	-	-	
SearchArea	O	X	-	X	-	X	X	X	-	-	
Tempo	O	X	-	X	-	X	X	X	-	-	
Genre	O	X	-	X	-	X	X	X	-	-	
Search results	X	X	-	X	-	X	X	X	-	-	
Record (=Property settings)	X	X	-	X	-	X	X	X	-	-	
<b>Mic (PSR-2100 only)</b>											
VocalHarmonyOnOff	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
TalkOnOff	X	X	-	X	-	X	X	X	-	-	
EffectOnOff	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
VHType	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
VHParameters	X	X	-	O	Mic. Setting	X	X	X	-	Mic	Current VH Type settings and Type name
<b>MicSetting (PSR-2100 only)</b>											
<b>OverallSetting</b>											
EQ Low Freq.	O	X	-	X	-	X	X	X	-	-	
EQ Low Gain	O	X	-	X	-	X	X	X	-	-	
EQ Mid Freq.	O	X	-	X	-	X	X	X	-	-	
EQ Mid Gain	O	X	-	X	-	X	X	X	-	-	
EQ High Freq.	O	X	-	X	-	X	X	X	-	-	
EQ High Gain	O	X	-	X	-	X	X	X	-	-	
Noise Gate SW	O	X	-	X	-	X	X	X	-	-	
Noise Gate TH	O	X	-	X	-	X	X	X	-	-	
Compressow SW	O	X	-	X	-	X	X	X	-	-	
Compressor TH	O	X	-	X	-	X	X	X	-	-	
Compressor RAT	O	X	-	X	-	X	X	X	-	-	
Compressor OUT	O	X	-	X	-	X	X	X	-	-	
VH Song Track Mute	X	X	-	X	-	X	X	O	Mic	Mic	
VH Song Track	X	X	-	X	-	X	X	O	Mic	Mic	
VH Keyboard	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
VH Balance	X	X	-	X	-	X	X	O	Mic	Mic	
VH Mode	X	X	-	X	-	X	X	O	Mic	Mic	
VH Chord Detect	X	X	-	X	-	X	X	O	Mic	Mic	
Mute	X	X	-	X	-	X	X	X	-	-	
MicVol	→ BalancePoup>MicVolume										
<b>TalkSetting</b>											
Volume	O	X	-	X	-	X	X	X	-	-	
Pan	O	X	-	X	-	X	X	X	-	-	
ReverbDepth	O	X	-	X	-	X	X	X	-	-	
ChorusDepth	O	X	-	X	-	X	X	X	-	-	
TotalVolumeAttenuator	O	X	-	X	-	X	X	X	-	-	
DSPOnOff	O	X	-	X	-	X	X	X	-	-	
DSPDepth	O	X	-	X	-	X	X	X	-	-	
DSPType	O	X	-	X	-	X	X	X	-	-	
<b>DigitalStudio&gt;SoundCreator</b>											
Voice (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Voice (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Volume for Balance (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Volume for Balance (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Touch Sens (Main, Layer)	X	O	Voice	X	Keyboard Voice	X	O	O	Voice	-	
Touch Sens (Left)	X	O	Voice	X	Keyboard Voice	X	O	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	O	O	Voice	-	
EG Attack (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
EG Decay (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
EG Decay (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
EG Release (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
EG Release (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Vibrato Depth (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Vibrato Depth (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Vibrato Speed (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Vibrato Speed (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Vibrato Delay (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Vibrato Delay (Left)	X	O	Voice	O	Keyboard Voice	X	O	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	O	O	Voice	-	
Panel Sustain (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
DSP Type (Main, Layer)	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
DSP Type (Left)	X	O	Effect	O	Keyboard Voice	X	O	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	Effect	O	Keyboard Voice	X	O	O	Voice	-	
DSP Fast Value (Left)	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
EQ Low Freq (Main, Layer)	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
EQ Low Freq (Left)	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
EQ Low Gain	→ DigitalStudio>Mixing Console										
EQ High Freq (Main, Layer)	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
EQ High Freq (Left)	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
EQ High Gain	→ DigitalStudio>Mixing Console										
<b>Harmony/Echo</b>											
Type	→ Harmony/Echoe										
Volume											
Speed	→ Harmony/Echoe										
Assign	→ Harmony/Echoe										
ChordNoteOnly	→ Harmony/Echoe										
TouchLimit	→ Harmony/Echoe										

Parameter	System Setup	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
Organ Flutes Footage (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Footage (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Type (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Type (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Vib On/Off (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Vib On/Off (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Attack Footage (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Attack Footage (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Attack Mode (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Attack Mode (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Attack length (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Attack length (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Response (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Response (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Volume (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Volume (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
<b>DigitalStudio&gt;Mixing Console</b>											
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									
Mic	→	MainWindow>BalancePopup>MicVolume									
Voice											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Voice	X	X	X	-	-	
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	O	O	Voice	-	
Left	X	X	-	O	Keyboard Voice	X	O	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	-	
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	PSR-2100 only
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	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	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	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Octave											
Main, Layer	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Tune											
Main, Layer	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
Portamento Time											
Main, Layer	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	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	Tune Trans	-	
Song	X	X	-	X	-	X	X	O	Tune Trans	-	
Keyboard	X	X	-	X	-	X	X	O	Tune Trans	-	
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	
Natural Voice Reverb Type	X	O	Effect	X	-	O	X	O	Voice/Style/Song		
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	O	O	Voice	-	
Left	X	O	Effect	O	Keyboard Voice	X	O	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	-	
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	PSR-2100 only
Chorus Type	X	X	-	X	-	O	X	O	Style/Song		
Chorus Return Level	X	X	-	X	-	X	X	O	Style/Song	Chorus Return Level	
Natural Voice Chorus Type	X	O	Effect	X	-	O	X	O	Voice/Style/Song		
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	O	O	Voice	-	
Left	X	O	Effect	O	Keyboard Voice	X	O	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	-	
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
DSP1 Type	X	O	Effect	O	Keyboard Voice	X	O	O	Voice/Song	-	PSR-1100 only
DSP1 Type	X	X	-	X	-	O	X	O	Style/Song	-	PSR-2100 only
DSP1 Return Level	X	X	-	X	-	X	X	O	Voice/Song	DSP1 Return Level (on PSR-1100: DSP Return Level)	PSR-1100 only
DSP1 Return Level	X	X	-	X	-	X	X	O	Style/Song	DSP1 Return Level	PSR-2100 only
Natural Voice DSP Type	X	O	Effect	X	-	O	X	O	Voice/Style/Song	-	
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	O	O	Voice	-	
Left	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	PSR-2100 only
DSP Type											
Main, Layer	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Left	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Song	X	X	-	O	-	X	X	O	Song	-	PSR-2100 only
Effect Parameter	X	X	-	X	-	X	X	X	-	-	
MasterEQ Type	O	X	-	X	-	X	X	X	-	Master EQ	PSR-2100 only
MasterEQ Parameter	X	X	-	X	-	X	X	X	-	Master EQ	PSR-2100 only
EQ Low Gain											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	PSR-2100 only
Song Part	X	X	-	O	Filter	X	X	X	-	-	PSR-2100 only
Main, Layer	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Left	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Acmp (Offset)	X	X	-	X	-	X	X	O	Style	-	PSR-2100 only
Song (Offset)	X	X	-	X	-	X	X	X	-	-	PSR-2100 only
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	
EQ High Gain											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	PSR-2100 only
Song Part	X	X	-	O	Filter	X	X	X	-	-	PSR-2100 only
Main, Layer	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Left	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Acmp (Offset)	X	X	-	X	-	X	X	O	Style	-	PSR-2100 only
Song (Offset)	X	X	-	X	-	X	X	X	-	-	PSR-2100 only
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	

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

Many MIDI messages listed in the MIDI Data Format are expressed in decimal numbers, binary numbers and hexadecimal numbers. Hexadecimal numbers may include the letter "H" as a suffix. Also, "n" can freely be defined as any whole number. To enter data/values, refer to the table below.

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

- Except the table above, for example 144-159(decimal)/9nH/1001 0000-1001 1111(binary) denotes the Note On Message for each channel (1-16). 176-191/BnH/1011 0000-1011 1111 denotes the Control Change Message for each channel (1-16). 192-207/CnH/1100 0000-1100 1111 denotes the Program Change Message for each channel (1-16). 240/FOH/1111 0000 denotes the start of a System Exclusive Message. 247/F7H/1111 0111 denotes the end of a System Exclusive Message.
- aaH (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.

O: available

	PSR-2100	PSR-1100
Regular Voice	O	O
Organ (Organ Flutes) Voice	O	-
Mic	O	-
Vocal Harmony	O	-
M. Pad (Multi Pad)	O	O

# MIDI CHANNEL MESSAGE (1)

O: available

MIDI Events	Status byte		1st Data byte		2nd Data byte		Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)							
	Status		Data (HEX)	Parameter	Data (HEX)	Parameter	Regular/Organ Voice	Mic/Vocal Harmony	Natural 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 (Harmony Channel/ Melody Channel)	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 (Harmony Channel/ Melody Channel)	O	O	O	O	O	O	O	O	O	O	O	O	X	
Control Change	BnH	(n: Channel Number)	0 (00H)	Bank Select MSB	0 (00H) 64 (40H) 126 (7EH) 127 (7FH)	Normal SFX voice SFX kit Drum kit	O	X	O	O	O	O (Main)	O	O	O	X	O	O	O	O	X	
			1 (01H)	Modulation	0 - 127 (00H - 7FH)	Data	O	X	X	O	O	O	O (Main/Layer/Left)	O	O	O	O	O	O	O	O	X
			5 (05H)	Portamento Time	0 - 127 (00H - 7FH)	Data	O	X	X	O	O	O	O (Main/Layer/Left)	X	O	O	O	X	O	X	O	X
			6 (06H)	Data Entry MSB	0 - 127 (00H - 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X
			7 (07H)	Main Volume	0 - 127 (00H - 7FH)	Data	O	O (Mic)	O	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X
			10 (0AH)	Panpot	0 - 127 (00H - 7FH)	L64 - C - R63	O	O (Mic)	O	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X
			11 (0BH)	Expression	0 - 127 (00H - 7FH)	Data	O	X	O	O	O	O	O (Main/Layer/Left)	O	O	O	O	O	O	O	O	X
			32 (20H)	Bank Select LSB	0 - 127 (00H - 7FH)	Data	O	X	O	O	O	O	O (Main)	O	O	O	O	X	O	O	O	X
			38 (26H)	Data Entry LSB	0 - 127 (00H - 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O (Main/Layer/Left)	X	O	O	O	X	O	X	O	X
			64 (40H)	Sustain (Damper)	0 - 127 (00H - 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O (Main/Layer/Left)	X	O	O	O	O	O	O	X	O
			65 (41H)	Portamento	0 - 127 (00H - 7FH)	0 - 63, 64 - 127 (OFF, ON)	O	X	X	O	O	O	O (Main/Layer/Left)	X	O	O	O	O	O	O	X	O
			66 (42H)	Sostenuto	0 - 127 (00H - 7FH)	0 - 63, 64 - 127 (OFF, ON)	O	X	O	O	O	O	O (Main/Layer/Left)	X	O	O	O	O	O	O	X	O
			67 (43H)	Soft Pedal	0 - 127 (00H - 7FH)	0 - 63, 64 - 127 (OFF, ON)	O	X	O	O	O	O	O (Main/Layer/Left)	X	O	O	O	O	O	O	X	O
			71 (47H)	Harmonic Content	0 - 127 (00H - 7FH)	-64 - 0 - +63	O	X	X	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X
			72 (48H)	Release Time	0 - 127 (00H - 7FH)	-64 - 0 - +63	O	X	X	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X
			73 (49H)	Attack Time	0 - 127 (00H - 7FH)	-64 - 0 - +63	O	X	X	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X
			74 (4AH)	Brightness	0 - 127 (00H - 7FH)	-64 - 0 - +63	O	X	X	O	O	O	O (Main/Layer/Left)	X	O	O	O	X	O	O	O	X
			84 (54H)	Portamento Control	0 - 127 (00H - 7FH)	Key no. (0 - 127)	O	X	X	O	O	O	X	O	O	O	O	O	X	O	X	O
			91 (5BH)	Effect1 Depth (Reverb Send Level)	0 - 127 (00H - 7FH)	Data	O	O (Mic)	O	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X
			93 (5DH)	Effect3 Depth (Chorus Send Level)	0 - 127 (00H - 7FH)	Data	O	O (Mic)	O	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X
			94 (5EH)	Effect4 Depth (Variation Send Level)	0 - 127 (00H - 7FH)	Data	O	O (Mic)	X	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X
			96 (60H)	RPN Increment	- -	*1	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	X	O	O	O	X	X	O	X	O	X
			97 (61H)	RPN Decrement	- -	*1	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	X	O	O	O	X	X	O	X	O	X
98 (62H)	NRPN LSB	0 - 127 (00H - 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	X	O	O	O	X	O	O	O	O	X	O	O	O	X			
99 (63H)	NRPN MSB	0 - 127 (00H - 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	X	O	O	O	X	O	O	O	O	X	O	O	O	X			
100 (64H)	RPN LSB	0 - 127 (00H - 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X			
101 (65H)	RPN MSB	0 - 127 (00H - 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O (Main/Layer/Left)	O	O	O	O	X	O	O	O	X			
Mode Message	BnH	(n: Channel Number)	120 (78H)	All Sound Off	0 (00H)	Data	O	X	O	O	O	O (Main/Layer/Left)	O	O	X	X	O	X	O	X		
			121 (79H)	Reset All Controllers	0 (00H)	Data	O	X	O	O	X	X	X	X	X	X	X	O	X	O	X	
			122 (7AH)	Local Control	0 (00H) 127 (7FH)	OFF ON	-	-	-	O	O	O	O	O	O	O	X	X	X	X	X	
			123 (7BH)	All Note Off	0 (00H)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O (Main/Layer/Left)	O	O	O	X	X	O	X	O	X
			124 (7CH)	Omni Off	0 (00H)	Data	O	X	X	O	X	X	X	X	X	X	X	X	O	X	O	X
			125 (7DH)	Omni On	0 (00H)	Data	O	X	X	O	X	X	X	X	X	X	X	X	O	X	O	X
			126 (7EH)	Mono	0 - 16 (00H - 10H)	Data	O	X	X	O	X	X	X	X	X	X	X	X	O	X	O	X
127 (7FH)	Poly	0 (00H)	Data	O	X	X	O	X	X	X	X	X	X	X	X	O	X	O	X			



MIDI Events	Status byte		1st Data byte		2nd Data byte		Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
	Status		Data (HEX)	Parameter	Data (HEX)	Parameter	Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
Program Change	CnH	(n: Channel Number)	pp (00H – 7FH)	Voice Number (0 – 127)	-	-	O	X	O	O	O	O	O	O	O (Voice)	X	O	O	O	X
Channel After Touch	DnH	(n: Channel Number)	wv (00H – 7FH)	Data	-	-	O	X	X	O	O	O	O	O (Main/Layer/Left)	X	X	O	X	O	X
Polyphonic After Touch	AnH	(n: Channel Number)	kk (00H – 7FH)	Key no. (0 – 127)	wv (00H – 7FH)	Data	X	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 (Harmony Channel/Melody Channel)	O	O	O	O	O	O	O (Wheel, Pedal)	O	O	O	O	X
Realtime Message	F8H	MIDI Clock	-	-	-	-	-	-	-	O (*2)					O (*3)					
	FAH	Start	-	-	-	-	-	-	-	O (*2)					O (*4)					
	FBH	Continue	-	-	-	-	-	-	-	X					X					
	FCH	Stop	-	-	-	-	-	-	-	O (*2)					O (*4)					
	FEH	Active Sens	-	-	-	-	-	-	-	O					O					
	FFH	System Reset	-	-	-	-	-	-	-	X					X					

\*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.

\*5 PSR-2100 only.

About Mic/Vocal Harmony column:

The relevant parameters are received by the song part designated by the Effect's Harmony Channel Parameter or Melody Parameter.

## MIDI CHANNEL MESSAGE (2)

### NRPN

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/Organ Voice	Mic/Vocal Harmony	Natural 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)	O	O (Harmony Channel/Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	09H	mmH	--	Vibrato Depth	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	O (Harmony Channel/Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	0AH	mmH	--	Vibrato Delay	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	O (Harmony Channel/Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	20H	mmH	--	Low Pass Filter Cutoff Frequency	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	X	O	X	X
01H	21H	mmH	--	Low Pass Filter Resonance	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	X	O	X	X
01H	30H	mmH	--	EQ BASS (*1)	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	X	X	O	X
01H	31H	mmH	--	EQ TREBLE (*1)	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	X	X	O	X
01H	34H	mmH	--	EQ BASS Frequency (*1)	mm: 04H – 28H (32 – 2.0k[Hz])	O	X	X	O	X	X	X	X	X	X	X	X	O	X
01H	35H	mmH	--	EQ TREBLE Frequency (*1)	mm: 1CH – 3AH (500 – 16.0k[Hz])	O	X	X	O	X	X	X	X	X	X	X	X	O	X
01H	63H	mmH	--	EG Attack Time	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	X	O	X	X
01H	64H	mmH	--	EG Decay Time	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	66H	mmH	--	EG Release	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	X	O	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	O	X	X	X	X	X	X	X	O	O	X
15H	rrH	mmH	--	Drum Low Pass Filter Resonance	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)		X	X	O	X	X	X	X	X	X	X	O	O	X
16H	rrH	mmH	--	Drum EG Attack Rate	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)		X	X	O	X	X	X	X	X	X	X	O	O	X
17H	rrH	mmH	--	Drum EG Decay Rate	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)		X	X	O	X	X	X	X	X	X	X	O	O	X
18H	rrH	mmH	--	Drum Pitch Coarse	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)		X	X	O	X	X	X	X	X	X	X	O	O	X
19H	rrH	mmH	--	Drum Pitch Fine	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)		X	X	O	X	X	X	X	X	X	X	O	O	X
1AH	rrH	mmH	--	Drum Level	rr: drum instrument note number mm: 00H – 7FH (0 – 127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1CH	rrH	mmH	--	Drum Pan	rr: drum instrument note number mm: 00H, 01H – 40H – 7FH (RND, L63 – C – R63)		X	X	O	X	X	X	X	X	X	X	O	O	X
1DH	rrH	mmH	--	Drum Reverb Send Level	rr: drum instrument note number mm: 00H – 7FH (0 – 127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1EH	rrH	mmH	--	Drum Chorus Send Level	rr: drum instrument note number mm: 00H – 7FH (0 – 127)		X	X	O	X	X	X	X	X	X	X	O	O	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	O	X	X	X	X	X	X	X	O	O	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.

## NRPN (Vocal Harmony)

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)				MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song
00H	00H	mmH	--	Harmony Mute (*1)	0 – 63, 64 – 127 (Off, On)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	X	O	X
01H	1AH	mmH	--	Detune Modulation (*1)	mm: 00H – 7FH (0 – 127)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	X	O	X
02H	10H	mmH	--	Harmony1 Volume (*1)	mm: 00H – 7FH (0 – 127)	X	O (Harmony Channel)	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	11H	mmH	--	Harmony2 Volume (*1)	mm: 00H – 7FH (0 – 127)	X	O (Harmony Channel)	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	12H	mmH	--	Harmony3 Volume (*1)	mm: 00H – 7FH (0 – 127)	X	O (Harmony Channel)	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	20H	mmH	--	Harmony1 Pan (*1)	mm: 00H, 01H – 40H – 7FH (RND, L63 – C – R63)	X	O (Harmony Channel)	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	21H	mmH	--	Harmony2 Pan (*1)	mm: 00H, 01H – 40H – 7FH (RND, L63 – C – R63)	X	O (Harmony Channel)	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	30H	mmH	--	Harmony1 Detune (*1)	mm: 00H – 40H – 7FH (-64 – 0 – +63)	X	O (Harmony Channel)	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	31H	mmH	--	Harmony2 Detune (*1)	mm: 00H – 40H – 7FH (-64 – 0 – +63)	X	O (Harmony Channel)	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X

Data Entry LSB: Ignored.

## RPN

RPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)				MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song
00H	00H	mmH	--	Pitch Bend Sensitivity	mm: 00H – 18H (0 – +24[semitones])	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O	O (Mixing Console)	X	O	O	O	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]	O	X	O	O	O	O	O (Main/ Layer/ Left)	O	O	O	O	O	X
00H	02H	mmH	--	Coarse Tune	mm: 28H – 40H – 58H (-24 – 0 – +24[semitones])	O	X	O	O	O	O	O (Main/ Layer/ Left)	X	X	O	O	O	X
7FH	7FH	--	--	Null	-	O	O	O	O	O	O	O (Main/ Layer/ Left)	X	X	O	O	O	X

\*1 PSR-2100 only

About Mic/Vocal Harmony column:  
The relevant parameters are received by the song part designated by the Effect's Harmony Channel Parameter or Melody Parameter.

# 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 off.

## MIDI Parameter Change table (XG SYSTEM)

O: available

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)					
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI	
00 00 00	4	00-0F	MASTER TUNE	-102.4 - 0 - +102.3[cent]	*Panel setting value	O	X	O	O						O (Function)	X	X	O	X
01 02 03		00-0F 00-0F 00-0F		1st bit 3 - 0 -> bit 15 - 12 2nd bit 3 - 0 -> bit 11 - 8 3rd bit 3 - 0 -> bit 7 - 4 4th bit 3 - 0 -> bit 3 - 0															
04	1	00-7F	MASTER VOLUME	0 - 127	7F	O	X	O	O	X	X	X	X	X	X	X	X	O	X
05	1	00-7F	MASTER ATTENUATOR	0 - 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X	X
06	1	28-58	TRANSPOSE	-24 - 0 - +24[semitones]	40	O	X	O	O	X	X	X	X	X	X	X	X	O	X
7D	1	N	DRUM SETUP RESET	N: Drum setup number	-	O	X	X	O	X	X	X	X	X	X	X	X	O	X
						(Drum only)													
7E	1	00	XG SYSTEM ON	00=XG system ON	-	O	X	O	O	X	X	X	O	X	X	X	O	X	
7F	1	00	ALL PARAMETER RESET	00=ON	-	O	X	O	O	X	X	X	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/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)						
					Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI		
01 00 00	E	20-7F	Model Name 1	32 - 127(ASCII CHARACTER)	-	-	-	-	-	-	-	-	-	X	X	X	X	O	
0D 0E 0F	1	20-7F	Model Name 14 NOT USED	32 - 127(ASCII CHARACTER)															
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/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)					
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI	
02 01 00	2	00-7F	REVERB TYPE MSB	Refer to Effect Parameter List	01 (=HALL1)	O	O	X	O					O (Mixing Console)	X	O	O	X	
		00-7F	REVERB TYPE LSB	-	00														
02	1	00-7F	REVERB PARAMETER 1	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X	
03	1	00-7F	REVERB PARAMETER 2	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
04	1	00-7F	REVERB PARAMETER 3	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
05	1	00-7F	REVERB PARAMETER 4	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
06	1	00-7F	REVERB PARAMETER 5	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
07	1	00-7F	REVERB PARAMETER 6	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
08	1	00-7F	REVERB PARAMETER 7	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
09	1	00-7F	REVERB PARAMETER 8	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
0A	1	00-7F	REVERB PARAMETER 9	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
0B	1	00-7F	REVERB PARAMETER 10	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
0C	1	00-7F	REVERB RETURN	->dB - 0dB - +6dB (0 - 96 - 127)	40	O	O	X	O					O (Mixing Console)	X	O	O	X	
0D	1	01-7F	REVERB PAN	L63 - C - R63	40	O	O	X	O					X	X	O	O	X	
TOTAL SIZE		0E																	

02 01 10	1	00-7F	REVERB PARAMETER 11	Refer to Effect Parameter List	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
		00-7F	REVERB PARAMETER 12	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
12	1	00-7F	REVERB PARAMETER 13	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
13	1	00-7F	REVERB PARAMETER 14	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
14	1	00-7F	REVERB PARAMETER 15	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
15	1	00-7F	REVERB PARAMETER 16	-	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X	
TOTAL SIZE		06																	

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)					
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M. Pad	Style	Song	MIDI	
02 01 20	2	00 – 7F	CHORUS TYPE MSB	Refer to Effect Parameter List	41 (=CHORUS1)	O	O	X			O				O (Mixing Console)	X	O	O	X
		00 – 7F	CHORUS TYPE LSB	-	00														
	22	1 00 – 7F	CHORUS PARAMETER 1	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X	
	23	1 00 – 7F	CHORUS PARAMETER 2	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X	
	24	1 00 – 7F	CHORUS PARAMETER 3	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X	
	25	1 00 – 7F	CHORUS PARAMETER 4	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X	
	26	1 00 – 7F	CHORUS PARAMETER 5	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X	
	27	1 00 – 7F	CHORUS PARAMETER 6	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X	
	28	1 00 – 7F	CHORUS PARAMETER 7	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X	
	29	1 00 – 7F	CHORUS PARAMETER 8	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X	
	2A	1 00 – 7F	CHORUS PARAMETER 9	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X	
	2B	1 00 – 7F	CHORUS PARAMETER 10	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X	
	2C	1 00 – 7F	CHORUS RETURN	--dB – 0dB – +6dB (0 – 96 – 127)	40	O	O	X			O			O (Mixing Console)	X	O	O	X	
	2D	1 01 – 7F	CHORUS PAN	L63 – C – R63	40	O	O	X			O			X	X	X	O	X	
	2E	1 00 – 7F	SEND CHORUS TO REVERB	--dB – 0dB – +6dB (0 – 96 – 127)	00	O	O	X			O			X	X	X	O	X	

TOTAL SIZE 0F

02 01 30	1	00 – 7F	CHORUS PARAMETER 11	Refer to Effect Parameter List	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
	31	1 00 – 7F	CHORUS PARAMETER 12	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
	32	1 00 – 7F	CHORUS PARAMETER 13	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
	33	1 00 – 7F	CHORUS PARAMETER 14	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
	34	1 00 – 7F	CHORUS PARAMETER 15	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
	35	1 00 – 7F	CHORUS PARAMETER 16	-	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X

TOTAL SIZE 06

02 01 40	2	00 – 7F	VARIATION TYPE MSB	Refer to Effect Parameter List	05 (=DELAY L, C, R)	O	O	X			O			O (Mixing Console)	X	O	O	X
		00 – 7F	VARIATION TYPE LSB	-	00													
	42	2 00 – 7F	VARIATION PARAMETER 1 MSB	-	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		00 – 7F	VARIATION PARAMETER 1 LSB	-														
	44	2 00 – 7F	VARIATION PARAMETER 2 MSB	-	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		00 – 7F	VARIATION PARAMETER 2 LSB	-														
	46	2 00 – 7F	VARIATION PARAMETER 3 MSB	-	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		00 – 7F	VARIATION PARAMETER 3 LSB	-														
	48	2 00 – 7F	VARIATION PARAMETER 4 MSB	-	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		00 – 7F	VARIATION PARAMETER 4 LSB	-														
	4A	2 00 – 7F	VARIATION PARAMETER 5 MSB	-	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		00 – 7F	VARIATION PARAMETER 5 LSB	-														
	4C	2 00 – 7F	VARIATION PARAMETER 6 MSB	-	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		00 – 7F	VARIATION PARAMETER 6 LSB	-														
	4E	2 00 – 7F	VARIATION PARAMETER 7 MSB	-	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		00 – 7F	VARIATION PARAMETER 7 LSB	-														
	50	2 00 – 7F	VARIATION PARAMETER 8 MSB	-	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		00 – 7F	VARIATION PARAMETER 8 LSB	-														
	52	2 00 – 7F	VARIATION PARAMETER 9 MSB	-	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		00 – 7F	VARIATION PARAMETER 9 LSB	-														
	54	2 00 – 7F	VARIATION PARAMETER 10 MSB	-	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		00 – 7F	VARIATION PARAMETER 10 LSB	-														
	56	1 00 – 7F	VARIATION RETURN	--dB – 0dB – +6dB (0 – 96 – 127)	40	O	O	X			O			O (Mixing Console)	X	O	O	X
	57	1 01 – 7F	VARIATION PAN	L63 – C – R63	40	O	O	X			O			X	X	O	O	X
	58	1 00 – 7F	SEND VARIATION TO REVERB	--dB – 0dB – +6dB (0 – 96 – 127)	00	O	O	X			O			X	X	O	O	X
	59	1 00 – 7F	SEND VARIATION TO CHORUS	--dB – 0dB – +6dB (0 – 96 – 127)	00	O	O	X			O			X	X	O	O	X

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)						
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI		
	5A	1	00-01	VARIATION CONNECTION	INSERTION, SYSTEM	00	O	O	X		O					X	X	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	X		O				O (Mixing Console)	X	O	O	O	X
	5C	1	00-7F	MW VARIATION CONTROL DEPTH	-64 - 0 - +63	40	O	O	X		O				X	X	O	O	X	
	5D	1	00-7F	BEND VARIATION CONTROL DEPTH	-64 - 0 - +63	40	O	O	X		O				X	X	O	O	X	
	5E	1	00-7F	CAT VARIATION CONTROL DEPTH	-64 - 0 - +63	40	O	O	X		O				X	X	O	O	X	
	5F	1	00-7F	AC1 VARIATION CONTROL DEPTH	-64 - 0 - +63	40	X	X	X		X				X	X	X	X	X	
	60	1	00-7F	AC2 VARIATION CONTROL DEPTH	-64 - 0 - +63	40	X	X	X		X				X	X	X	X	X	
TOTAL SIZE		21																		

02	01	70	1	00-7F	VARIATION PARAMETER 11	Refer to Effect Parameter List	Depends on Variation Type	O	O	X	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	X	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	X	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	X	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	X	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	X	O (*Depends on Variation Type)			O (Mixing Console *Depends on Variation Type)		X	O	O	X	
TOTAL SIZE		06																		

### MIDI Parameter Change table (MULTI EQ) (PSR-2100 only)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)						
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI		
02	40	00	1	00-04	EQ TYPE	flat, jazz, pops, rock, classic	O	O	X		O				X	X	O	X		
		01	1	34-4C	EQ GAIN1	-12 - 0 - +12[dB]	O	O	X		O				O (Mixing Console)	X	X	O	X	
		02	1	04-28	EQ FREQUENCY1	32 - 2.0k[Hz]	O	O	X		O				O (Mixing Console)	X	X	O	X	
		03	1	01-78	EQ Q1	0.1 - 12.0	O	O	X		O				O (Mixing Console)	X	X	O	X	
		04	1	00-01	EQ SHAPE1	shelving, peaking	O	O	X		O				X	X	O	X		
		05	1	34-4C	EQ GAIN2	-12 - 0 - +12[dB]	O	O	X		O				O (Mixing Console)	X	X	O	X	
		06	1	0E-36	EQ FREQUENCY2	100 - 10.0k[Hz]	O	O	X		O				O (Mixing Console)	X	X	O	X	
		07	1	01-78	EQ Q2	0.1 - 12.0	O	O	X		O				O (Mixing Console)	X	X	O	X	
		08	1		NOT USED	-	-	-	-	-	-	-	-	-	-	-	-	-		
		09	1	34-4C	EQ GAIN3	-12 - 0 - +12[dB]	O	O	X		O				O (Mixing Console)	X	X	O	X	
		0A	1	0E-36	EQ FREQUENCY3	100 - 10.0k[Hz]	O	O	X		O				O (Mixing Console)	X	X	O	X	
		0B	1	01-78	EQ Q3	0.1 - 12.0	O	O	X		O				O (Mixing Console)	X	X	O	X	
		0C	1		NOT USED	-	-	-	-	-	-	-	-	-	-	-	-	-		
		0D	1	34-4C	EQ GAIN4	-12 - 0 - +12[dB]	O	O	X		O				O (Mixing Console)	X	X	O	X	
		0E	1	0E-36	EQ FREQUENCY4	100 - 10.0k[Hz]	O	O	X		O				O (Mixing Console)	X	X	O	X	
		0F	1	01-78	EQ Q4	0.1 - 12.0	O	O	X		O				O (Mixing Console)	X	X	O	X	
		10	1		NOT USED	-	-	-	-	-	-	-	-	-	-	-	-	-		
		11	1	34-4C	EQ GAIN5	-12 - 0 - +12[dB]	O	O	X		O				O (Mixing Console)	X	X	O	X	
		12	1	1C-3A	EQ FREQUENCY5	0.5k - 16.0k[Hz]	O	O	X		O				O (Mixing Console)	X	X	O	X	
		13	1	01-78	EQ Q5	0.1 - 12.0	O	O	X		O				O (Mixing Console)	X	X	O	X	
		14	1	00-01	EQ SHAPE5	shelving, peaking	O	O	X		O				X	X	O	X		
TOTAL SIZE		5																		

The MULTI EQ Parameter cannot be reset to its factory setting with XG SYSTEM ON.

### MIDI Parameter Change table (EFFECT2) (PSR-2100 only)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)					
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI	
03	n	00	2	00-7F	INSERTION EFFECT TYPE MSB	Refer to Effect Parameter List	O	O	X		O				O (Mixing Console)	X	X	O	X
		00-7F	INSERTION EFFECT TYPE LSB	-															
		02	1	00-7F	INSERTION EFFECT PARAMETER 1	-	O	O	X		O (*Depends on Insertion Type)				O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		03	1	00-7F	INSERTION EFFECT PARAMETER 2	-	O	O	X		O (*Depends on Insertion Type)				O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		04	1	00-7F	INSERTION EFFECT PARAMETER 3	-	O	O	X		O (*Depends on Insertion Type)				O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		05	1	00-7F	INSERTION EFFECT PARAMETER 4	-	O	O	X		O (*Depends on Insertion Type)				O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		06	1	00-7F	INSERTION EFFECT PARAMETER 5	-	O	O	X		O (*Depends on Insertion Type)				O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		07	1	00-7F	INSERTION EFFECT PARAMETER 6	-	O	O	X		O (*Depends on Insertion Type)				O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		08	1	00-7F	INSERTION EFFECT PARAMETER 7	-	O	O	X		O (*Depends on Insertion Type)				O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		09	1	00-7F	INSERTION EFFECT PARAMETER 8	-	O	O	X		O (*Depends on Insertion Type)				O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		0A	1	00-7F	INSERTION EFFECT PARAMETER 9	-	O	O	X		O (*Depends on Insertion Type)				O (Mixing Console *Depends on Insertion Type)	X	X	O	X

Address (H)	Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)					
					Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI	
	0B	1	00-7F	INSERTION EFFECT PARAMETER 10	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
	0C	1	00-7F	INSERTION EFFECT PART NUMBER	Reception: Part1 - 16 (0 - 15) Transmission: Part1 - 16 (0 - 15) AD (64) OFF (127)	O	O	X	O					O (Mixing Console)	X	X	O	X
	0D	1	00-7F	MW INSERTION CONTROL DEPTH	-64 - 0 - +63	O	O	X	O					X	X	X	O	X
	0E	1	00-7F	BEND INSERTION CONTROL DEPTH	-64 - 0 - +63	O	O	X	O					X	X	X	O	X
	0F	1	00-7F	CAT INSERTION CONTROL DEPTH	-64 - 0 - +63	O	O	X	O					X	X	X	O	X
	10	1	00-7F	AC1 INSERTION CONTROL DEPTH	-64 - 0 - +63	X	X	X	X					X	X	X	X	X
	11	1	00-7F	AC2 INSERTION CONTROL DEPTH	-64 - 0 - +63	X	X	X	X					X	X	X	X	X
TOTAL SIZE		12																

03	n	20	1	00-7F	INSERTION EFFECT PARAMETER 11	Refer to Effect Parameter List	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		21	1	00-7F	INSERTION EFFECT PARAMETER 12	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		22	1	00-7F	INSERTION EFFECT PARAMETER 13	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		23	1	00-7F	INSERTION EFFECT PARAMETER 14	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		24	1	00-7F	INSERTION EFFECT PARAMETER 15	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		25	1	00-7F	INSERTION EFFECT PARAMETER 16	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
TOTAL SIZE		6																	

03	n	30	2	00-7F	INSERTION EFFECT PARAMETER 1 MSB	Refer to Effect Parameter List	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
				00-7F	INSERTION EFFECT PARAMETER 1 LSB	-													
		32	2	00-7F	INSERTION EFFECT PARAMETER 2 MSB	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
				00-7F	INSERTION EFFECT PARAMETER 2 LSB	-													
		34	2	00-7F	INSERTION EFFECT PARAMETER 3 MSB	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
				00-7F	INSERTION EFFECT PARAMETER 3 LSB	-													
		36	2	00-7F	INSERTION EFFECT PARAMETER 4 MSB	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
				00-7F	INSERTION EFFECT PARAMETER 4 LSB	-													
		38	2	00-7F	INSERTION EFFECT PARAMETER 5 MSB	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
				00-7F	INSERTION EFFECT PARAMETER 5 LSB	-													
		3A	2	00-7F	INSERTION EFFECT PARAMETER 6 MSB	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
				00-7F	INSERTION EFFECT PARAMETER 6 LSB	-													
		3C	2	00-7F	INSERTION EFFECT PARAMETER 7 MSB	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
				00-7F	INSERTION EFFECT PARAMETER 7 LSB	-													
		3E	2	00-7F	INSERTION EFFECT PARAMETER 8 MSB	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
				00-7F	INSERTION EFFECT PARAMETER 8 LSB	-													
		40	2	00-7F	INSERTION EFFECT PARAMETER 9 MSB	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
				00-7F	INSERTION EFFECT PARAMETER 9 LSB	-													
		42	2	00-7F	INSERTION EFFECT PARAMETER 10 MSB	-	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
				00-7F	INSERTION EFFECT PARAMETER 10 LSB	-													
TOTAL SIZE		14																	

The EFFECT 2 Parameter cannot be reset to its factory setting with XG SYSTEM ON.

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

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

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

\*1 PSR-2100: n=0 - 2

**MIDI Parameter Change table (SPECIAL EFFECT) (PSR-2100 only)**

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)						
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M. Pad	Style	Song	MIDI		
04	00	00	2	00-7F	00-7F	INSERTION EFFECT TYPE MSB	Vocoder (89), Chordal (90), Detune (91), Chromatic (92), Thru (0-88, 93-127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
				00-7F		INSERTION EFFECT TYPE LSB														
	02	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 1 Harmony Mode		X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X	
	03	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 2 Harmony Gender Type	Off (0), Auto (1)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X	
	04	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 3 Lead Gender Type	Off (0), Unison (1), Male (2), Female (3)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X	
	05	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 4 Lead Gender Depth	-64-0-+63 (0-127)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X	
	06	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 5 Lead Pitch Correction	Free (0), Correct (1)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X	
	07	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 6 Auto Upper Gender Threshold	0-12 (0-12)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X	
	08	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 7 Auto Lower Gender Threshold	0-12 (0-12)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X	
	09	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 8 Upper Gender Depth	-64-0-+63 (0-127)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X	
	0A	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 9 Lower Gender Depth	-64-0-+63 (0-127)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X	
	0B	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 10	L63>H-L=H-L<H63 (1-64-127)	X	O	X	X	X	X	X	O (MicSetting)	X	X	O	X	
	0C	1	00-7F	00-7F	00-7F	INSERTION EFFECT PART NUMBER	AD (64), OFF (0-63, 65-127)	X	O	X	X	X	X	X	O (Vocal Harmony Sw)	X	X	O	X	
	0D	1	00-7F	00-7F	00-7F	MW INSERTION CONTROL DEPTH	-64-0-+63	X	X	X	X	X	X	X	X	X	X	X	X	
	0E	1	00-7F	00-7F	00-7F	BEND INSERTION CONTROL DEPTH	-64-0-+63	X	X	X	X	X	X	X	X	X	X	X	X	
	0F	1	00-7F	00-7F	00-7F	CAT INSERTION CONTROL DEPTH	-64-0-+63	X	X	X	X	X	X	X	X	X	X	X	X	
	10	1	00-7F	00-7F	00-7F	AC1 INSERTION CONTROL DEPTH	-64-0-+63	X	X	X	X	X	X	X	X	X	X	X	X	
	11	1	00-7F	00-7F	00-7F	AC2 INSERTION CONTROL DEPTH	-64-0-+63	X	X	X	X	X	X	X	X	X	X	X	X	

TOTAL SIZE 12

	14	1	00-7F	00-7F	00-7F	UNIQUE INSERTION EFFECT EXTERNAL CONTROL CH1 (HARMONY CHANNEL)	1-16 (0-15), OFF (127)	X	O	X	X	X	X	X	X	O (MicSetting)	X	X	O	X
	15	1	00-7F	00-7F	00-7F	UNIQUE INSERTION EFFECT EXTERNAL CONTROL CH1 (MELODY CHANNEL)	1-16 (0-15), OFF (127)	X	O	X	X	X	X	X	X	X	X	X	O	X

TOTAL SIZE 2

	20	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 11 Vibrate Depth	0-100cent (0-127)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X
	21	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 12 Vibrate Rate	0Hz (0), 0.1-12.7Hz (1-127)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X
	22	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 13 Vibrate Delay	0-2.54sec (0-127)	X	O	X	X	X	X	X	O (VH Type Select)	X	X	O	X
	23	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 14		X	X	X	X	X	X	X	X	X	X	X	X
	24	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 15		X	X	X	X	X	X	X	X	X	X	X	X
	25	1	00-7F	00-7F	00-7F	INSERTION EFFECT PARAMETER 16		X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 6

The SPECIAL EFFECT Parameter cannot be reset to its factory setting with XG SYSTEM ON.

**MIDI Parameter Change table (MULTI PART)**

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)							
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M. Pad	Style	Song	MIDI			
08	nn	00	1	00-20	00-20	ELEMENT RESERVE	0-32	part10=00, other parts=02	O	X	X	O	X	X	X	X	X	X	X	O	X
	01	1	00-7F	00-7F	00-7F	BANK SELECT MSB	0-127	part10=7F, other parts=00	O	X	O	O	O	X	O	O	X	X	X	O	X
	02	1	00-7F	00-7F	00-7F	BANK SELECT LSB	0-127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
	03	1	00-7F	00-7F	00-7F	PROGRAM NUMBER	0-127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
	04	1	00-0F, 7F	00-0F, 7F	00-0F, 7F	Rcv CHANNEL	1-16, OFF	Part No.	O	X	X	O	X	X	X	X	X	X	X	O	X
	05	1	00-01	00-01	00-01	MONO/POLY MODE	MONO, POLY	01	O	X	X	O	X	X	X	X	X	X	X	O	X
	06	1	00-02	00-02	00-02	SAME NOTE NUMBER KEY ON ASSIGN	SINGLE, MULTI, INST (for Drum)	01	O	X	X	O	X	X	O	X	X	X	X	O	X
	07	1	00-03	00-03	00-03	PART MODE	NORMAL, DRUM, DRUMS1-2	part10=02, other parts=00	O	X	O	O	X	X	X	X	O (Drum Voice)	X	X	O	X
	08	1	00-7F	00-7F	00-7F	CHANNEL TRANSPOSE	-24-0-+24[semitones]	40	O	X	O	O	O	X	O	O	X	X	X	O	X
	09	2	00-0F, 0A	00-0F, 0A	00-0F, 0A	DETUNE	-12.8-0-+12.7[Hz] 1st bit3-0-bit7-4 2nd bit3-0-bit3-0	08 00	O	X	O	O	O	X	O	O	X	X	X	O	X
	0B	1	00-7F	00-7F	00-7F	VOLUME	0-127	64	O	X	O	O	O	X	O	O	X	X	X	O	X
	0C	1	00-7F	00-7F	00-7F	VELOCITY SENSE DEPTH	0-127	40	O	X	O	O	O	X	X	O	O (Sound Creator)	O	X	O	X
	0D	1	00-7F	00-7F	00-7F	VELOCITY SENSE OFFSET	0-127	40	O	X	O	O	O	X	X	O	O (Sound Creator)	O	X	O	X
	0E	1	00-7F	00-7F	00-7F	PAN	RND, L63-C-R63	40	O	X	O	O	O	X	O	O	X	X	X	O	X
	0F	1	00-7F	00-7F	00-7F	NOTE LIMIT LOW	C-2-G8	00	O	X	X	O	X	X	X	X	X	X	X	O	X
	10	1	00-7F	00-7F	00-7F	NOTE LIMIT HIGH	C-2-G8	7F	O	X	X	O	X	X	X	X	X	X	X	O	X

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
11	1	00-7F	DRY LEVEL	0-127	7F	O	X	X	O	O	X	O	O	O	X	X	X	X
12	1	00-7F	CHORUS SEND	0-127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
13	1	00-7F	REVERB SEND	0-127	28	O	X	O	O	O	X	O	O	X	X	X	O	X
14	1	00-7F	VARIATION SEND	0-127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
15	1	00-7F	VIBRATO RATE	-64-0-+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
16	1	00-7F	VIBRATO DEPTH	-64-0-+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
17	1	00-7F	VIBRATO DELAY	-64-0-+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
18	1	00-7F	FILTER CUTOFF FREQUENCY	-64-0-+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
19	1	00-7F	FILTER RESONANCE	-64-0-+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
1A	1	00-7F	EG ATTACK TIME	-64-0-+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
1B	1	00-7F	EG DECAY TIME	-64-0-+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
1C	1	00-7F	EG RELEASE TIME	-64-0-+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
1D	1	28-58	MW PITCH CONTROL	-24-0-+24[semitones]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
1E	1	00-7F	MW LOW PASS FILTER CONTROL	-9600-0-+9450[cent]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
1F	1	00-7F	MW AMPLITUDE CONTROL	-100-0-+100[%]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
20	1	00-7F	MW LFO PMOD DEPTH	0-127	0A	O	X	X	O	O	X	O	O	X	X	X	O	X
21	1	00-7F	MW LFO FMOD DEPTH	0-127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
22	1	00-7F	MW LFO AMOD DEPTH	0-127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
23	1	28-58	BEND PITCH CONTROL	-24-0-+24[semitones]	42	O	X	X	O	O	X	O	O	X	X	X	O	X
24	1	00-7F	BEND LOW PASS FILTER CONTROL	-9600-0-+9450[cent]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
25	1	00-7F	BEND AMPLITUDE CONTROL	-100-0-+100[%]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
26	1	00-7F	BEND LFO PMOD DEPTH	0-127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
27	1	00-7F	BEND LFO FMOD DEPTH	0-127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
28	1	00-7F	BEND LFO AMOD DEPTH	0-127	00	O	X	X	O	O	X	O	O	X	X	X	O	X

TOTAL SIZE 29

30	1	00-01	Rcv PITCH BEND	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
31	1	00-01	Rcv CH AFTER TOUCH (CAT)	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
32	1	00-01	Rcv PROGRAM CHANGE	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
33	1	00-01	Rcv CONTROL CHANGE	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
34	1	00-01	Rcv POLY AFTER TOUCH (PAT)	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
35	1	00-01	Rcv NOTE MESSAGE	OFF, ON	01	O	X	O	O	X	X	X	X	X	X	X	O	X
36	1	00-01	Rcv RPN	OFF, ON	01	X	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	X
38	1	00-01	Rcv MODULATION	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
39	1	00-01	Rcv VOLUME	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
3A	1	00-01	Rcv PAN	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
3B	1	00-01	Rcv EXPRESSION	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
3C	1	00-01	Rcv HOLD1	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
3D	1	00-01	Rcv PORTAMENTO	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
3E	1	00-01	Rcv SOSTENUTO	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
3F	1	00-01	Rcv SOFT PEDAL	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
40	1	00-01	Rcv BANK SELECT	OFF, ON	01	X	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	X	O	O	O	X	O	O	O (Function)	X	X	O	X
42	1	00-7F	SCALE TUNING C <sup>♯</sup>	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
43	1	00-7F	SCALE TUNING D	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
44	1	00-7F	SCALE TUNING D <sup>♯</sup>	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
45	1	00-7F	SCALE TUNING E	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
46	1	00-7F	SCALE TUNING F	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
47	1	00-7F	SCALE TUNING F <sup>♯</sup>	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
48	1	00-7F	SCALE TUNING G	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
49	1	00-7F	SCALE TUNING G <sup>♯</sup>	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
4A	1	00-7F	SCALE TUNING A	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
4B	1	00-7F	SCALE TUNING A <sup>♯</sup>	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
4C	1	00-7F	SCALE TUNING B	-63-0-+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
4D	1	28-58	CAT PITCH CONTROL	-24-0-+24[semitones]	40	O	X	X	O	O	X	X	O	X	X	X	O	X
4E	1	00-7F	CAT LOW PASS FILTER CONTROL	-9600-0-+9450[cent]	40	O	X	X	O	O	X	X	O	X	X	X	O	X
4F	1	00-7F	CAT AMPLITUDE CONTROL	-100-0-+100[%]	40	O	X	X	O	O	X	X	O	X	O	X	O	X
50	1	00-7F	CAT LFO PMOD DEPTH	0-127	00	O	X	X	O	O	X	X	O	X	O	X	O	X
51	1	00-7F	CAT LFO FMOD DEPTH	0-127	00	O	X	X	O	O	X	X	O	X	X	X	O	X
52	1	00-7F	CAT LFO AMOD DEPTH	0-127	00	O	X	X	O	O	X	X	O	X	X	X	O	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	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	X
55	1	00-7F	PAT AMPLITUDE CONTROL	-100-0-+100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
56	1	00-7F	PAT LFO PMOD DEPTH	0-127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
57	1	00-7F	PAT LFO FMOD DEPTH	0-127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
58	1	00-7F	PAT LFO AMOD DEPTH	0-127	00	X	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	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	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	X
5C	1	00-7F	AC1 AMPLITUDE CONTROL	-100-0-+100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
5D	1	00-7F	AC1 LFO PMOD DEPTH	0-127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
5E	1	00-7F	AC1 LFO FMOD DEPTH	0-127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
5F	1	00-7F	AC1 LFO AMOD DEPTH	0-127	00	X	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	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	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	X
63	1	00-7F	AC2 AMPLITUDE CONTROL	-100-0-+100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
64	1	00-7F	AC2 LFO PMOD DEPTH	0-127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
65	1	00-7F	AC2 LFO FMOD DEPTH	0-127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
66	1	00-7F	AC2 LFO AMOD DEPTH	0-127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
67	1	00-01	PORTAMENTO SWITCH	OFF, ON	00	O	X	X	O	O	X	X	O	X	X	X	O	X
68	1	00-7F	PORTAMENTO TIME	0-127	00	O	X	X	O	O	X	X	O	X	X	X	O	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	X



Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M. Pad	Style	Song	MIDI
6A	1	00-7F	PITCH EG ATTACK TIME	-64 - 0 - +63	40	X	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	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	X
6D	1	01-7F	VELOCITY LIMIT LOW	1 - 127	01	X	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	X

TOTAL SIZE 3F

70	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	1	00-7F	EQ BASS GAIN	-12dB - +12dB	40	O (*2)	X	X	O (*2)	O (*2)	X	O (*2)	O (*2)	O (Mixing Console) (*2)	O	O	O	X
73	1	00-7F	EQ TREBLE GAIN	-12dB - +12dB	40	O (*2)	X	X	O (*2)	O (*2)	X	O (*2)	O (*2)	O (Mixing Console) (*2)	O	O	O	X

TOTAL SIZE 04

74	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	1	04-28	EQ BASS FREQUENCY	32 - 2.0k[Hz]	0C	O (*2)	X	X	O (*2)	O (*2)	X	X	O (*2)	O (Sound Creator) (*2)	O	X	O	X
77	1	1C-3A	EQ TREBLE FREQUENCY	500 - 16.0k[Hz]	36	O (*2)	X	X	O (*2)	O (*2)	X	X	O (*2)	O (Sound Creator) (*2)	O	X	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)

\*2 On PSR-2100, the following parameters are not accepted, or are not transmitted by the Panel operations.

- EQ BASS GAIN
- EQ TREBLE GAIN
- EQ BASS FREQUENCY
- EQ TREBLE FREQUENCY

### MIDI Parameter Change table (A/D PART) (PSR-2100 only)

Address (H)	Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)					
					Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M. Pad	Style	Song	MIDI	
10	00	00	1	00-01	INPUT GAIN	MIC, LINE	X	X	X	X	X	X	X	X	X	X	X	X
		01	1	00-7F	BANK SELECT MSB	0 - 127	X	X	X	X	X	X	X	X	X	X	X	X
		02	1	00-7F	BANK SELECT LSB	0 - 127	X	X	X	X	X	X	X	X	X	X	X	X
		03	1	00-7F	PROGRAM NUMBER	0 - 127	X	X	X	X	X	X	X	X	X	X	X	X
		04	1	00-1F, 7F	Rcv CHANNEL	1 - 16, OFF	X	O	X	X	X	X	X	X	X	X	O	X
		05	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		06	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		07	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		08	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		09	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		0A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		0B	1	00-7F	VOLUME	0 - 127	X	O	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		0C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		0D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		0E	1	01-7F	PAN	L63 - C - R63	X	O	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		0F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		10	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		11	1	00-7F	DRY LEVEL		X	O	X	X	X	X	X	X	X	X	O	X
		12	1	00-7F	CHORUS SEND		X	O	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		13	1	00-7F	REVERB SEND		X	O	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		14	1	00-7F	VARIATION SEND		X	O	X	X	X	X	X	O (Mixing Console)	X	X	O	X

TOTAL SIZE 15

10	0n	30	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		31	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		32	1	00-01	Rcv PROGRAM CHANGE	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X
		33	1	00-01	Rcv CONTROL CHANGE	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X
		34	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		35	1	00-01	MUTE	ON, OFF	X	X	X	X	X	X	X	X	X	X	X	X
		36	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		37	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		38	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		39	1	00-01	Rcv VOLUME	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X
		3A	1	00-01	Rcv PAN	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X
		3B	1	00-01	Rcv EXPRESSION	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X
		3C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		3D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		3E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		3F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		40	1	00-01	Rcv BANK SELECT	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X
		41	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		42	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		43	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		44	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		45	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		46	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		47	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-
		48	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-

Address (H)	Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
					Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
49	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
4A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
4B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
4C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
4D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
4E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
4F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
50	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
51	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
52	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
53	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
54	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
55	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
56	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
57	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
58	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
59	1	00-5F	AC1 CONTROLLER NUMBER	0-95	X	X	X	X	X	X	X	X	X	X	X	X	X
5A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
5B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
5C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
5D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
5E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
5F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
60	1	00-5F	AC2 CONTROLLER NUMBER	0-95	X	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 31

The A/D PART Parameter cannot be reset to its factory setting with XG SYSTEM ON.

### MIDI Parameter Change table (DRUM SETUP)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)							
						Regular/Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI			
3n	rr	00	1	00-7F	PITCH COARSE	-64-0-+63	40	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		01	1	00-7F	PITCH FINE	-64-0-+63[cent]	40	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		02	1	00-7F	LEVEL	0-127	Depends on the note	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		03	1	00-7F	ALTERNATE GROUP	OFF, 1-127	Depends on the note	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		04	1	00-7F	PAN	RND, L63-C-R63	Depends on the note	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		05	1	00-7F	REVERB SEND	0-127	Depends on the note	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		06	1	00-7F	CHORUS SEND	0-127	Depends on the note	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		07	1	00-7F	VARIATION SEND	0-127	7F	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		08	1	00-01	KEY ASSIGN	SINGLE, MULTI	00	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		09	1	00-01	Rcv NOTE OFF	OFF, ON	Depends on the note	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		0A	1	00-01	Rcv NOTE ON	OFF, ON	01	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		0B	1	00-7F	LOW PASS FILTER CUTOFF FREQUENCY	-64-0-+63	40	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		0C	1	00-7F	LOW PASS FILTER RESONANCE	-64-0-+63	40	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		0D	1	00-7F	EG ATTACK RATE	-64-0-+63	40	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		0E	1	00-7F	EG DECAY1 RATE	-64-0-+63	40	0	X	X	0	X	X	X	X	X	X	X	0	0	X
		0F	1	00-7F	EG DECAY2 RATE	-64-0-+63	40	0	X	X	0	X	X	X	X	X	X	X	0	0	X

TOTAL SIZE 10

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)							
						Regular/Organ Voice	Mic/Vocal Harmony	Natural 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	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	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	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	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, the PSR-2100/1100 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

O: available

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)					
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI	
Section Control	<b>F0 43 7E 00 ss dd F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000000 00 = 0sssssss ss = Switch No. 00H INTRO 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 0ddddd dd = Switch On/Off 00H (Off) 7HF (On) 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	-	O (Section LED)	O (Section Sw)	X	X	O	X
Tempo Control	<b>F0 43 7E 01 t4 t3 t2 t1 F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000001 01 = 0ttttttt t4 = tempo4 0ttttttt t3 = tempo3 0ttttttt t2 = tempo2 0ttttttt t1 = tempo1 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	-	O (Tempo indication)	O (Tempo Sw)	X	X	O	X
Chord Control	<b>F0 43 7E tt d1 d2 d3 d4 F7</b> Type 1 (tt=2) 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000010 02 = type 1 0ddddd d1 = chord root(cr) 0ddddd d2 = chord type(ct) 0ddddd d3 = bass note(bn) 0ddddd 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 Maj7(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 0ddddd dd = note1 0ddddd dd = note2 0ddddd dd = note3 : : 0ddddd 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/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)					
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI	
Master Volume	<b>F0 7F 7F 04 01 ll mm F7</b> 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 <b>F0 7F XN 04 01 ll mm F7</b> 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	O	X	X	X	X	X	X	X	X	X	X	X

### System Exclusive Messages (Universal Non Realtime messages)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
General MIDI System On	<b>F0 7E 7F 09 01 F7</b> 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 <b>F0 7E XN 09 01 F7</b> 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	O	X	X	X	O	O (Mixing Console)	X	X	X	O	X

### System Exclusive Messages (XG)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
XG Parameter Change	<b>F0 43 1n 4C hh mm ll dd ... F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n = Device Number n=always 0 (when transmit), n=0 – F (when receive) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm 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	<b>F0 43 0n 4C aa bb hh mm ll dd ... dd cc F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0000nnnn 0n = Device Number n=always 0 (when transmit), n=0 – F (when receive) 01001100 4C = Model ID 0aaaaaaa aa = Byte Count MSB 0bbbbbbb bb = Byte Count LSB 0hhhhhhh hh = Address High 0mmmmmmm 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	<b>F0 43 3n 4C hh ll F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0011nnnn 3n = Device Number n=always 0 (when transmit), n=0 – F (when receive) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 01111111 ll = Address Low 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (-)	X	X	X	X	X
XG Dump Request	<b>F0 43 2n 4C hh mm ll F7</b> 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0010nnnn 2n = Device Number n=always 0 (when transmit), n=0 – F (when receive) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 01111111 ll = Address Low 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (-)	X	X	X	X	X

## System Exclusive Messages (Clavinova compliance)

11110000	F0 = Exclusive status
01000011	43 = YAMAHA ID
01110011	73 = Clavinova ID
:	:
11110111	F7 = End of Exclusive

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Internal Clock	F0 43 73 01 02 F7 00000001 01 = Model ID (Clavinova common ID) 00000010 02 = Internal Clock Substatus	-	-	-	X	X	X	X	X	O (Function)	X	X	X	X	X
External Clock	F0 43 73 01 03 F7 00000001 01 = Model ID (Clavinova common ID) 00000011 03 = External Clock Substatus	-	-	-	X	X	X	X	X	O (Function)	X	X	X	X	X
Organ Flutes data Bulk Dump (PSR-2100 only)	F0 43 73 01 06 0B 00 00 01 06 0n [Bulk Data] sum F7 01H Model ID (Clavinova common ID) 06H Bulk ID 0BH Bulk No. (Organ Flutes data Bulk Dump) 00H, 00H, 01H, 06H Data Length :16bytes  1st Channel No. 0nH 2nd Footage [1'] 00 - mmH mm : maximum 3rd [1 1/3] 00 - mmH 4th [1 3/5] 00 - mmH (not used) 5th [2] 00 - mmH 6th [2 2/3] 00 - mmH 7th [4] 00 - mmH 8th [5 1/3] 00 - mmH 9th [8] 00 - mmH 10th [16] 00 - mmH 11th [Attack 2'] 00 - mmH 12th [Attack 2 2/3] 00 - mmH 13th [Attack 4'] 00 - mmH 14th Settings [Attack Length] 00 - mmH 15th [Response] 00 - mmH 16th [Attack Mode] 00 - 01H 00H: Each, 01H: First 17th [Wave Variation] 00 - 01H 00H: Sine, 01H: Tone Wheel 18th [Volume] 01 - vvH vv: maximum 19th [aux] 00H 20th [aux] 00H 21th [aux] 00H 22th [aux] 00H sum Check Sum = 0-sum (BULK DATA)	O (Organ Flute)	X	X	O	O	X	X	O	O (Sound Creator)	O (Sound Creator)	X	X	O	X

## System Exclusive Messages Special Operators (Vocal Harmony Additional Parameters)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Vocal Harmony Pitch to Note ON/OFF (PSR-2100 only)	F0 43 73 01 11 0n 50 00 ss F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00000000 00 = Pitch to Note Parameter No. 00000000 dd = data (00H : Off, 01H : On) 11110111 F7 = End of Exclusive	X	O	X	X	X	X	X	X	O (Vocal Harmony Edit)	O (Vocal Harmony Edit)	X	X	O	X
Vocal Harmony Pitch to Note Part (PSR-2100 only)	F0 43 73 01 11 00 50 01 ss F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00000001 01 = Pitch to Note Part Parameter No. 00000000 dd = data 00H : Main 01H : Layer 02H : Left 04H : Upper 11110111 F7 = End of Exclusive	X	O	X	X	X	X	X	X	O (Vocal Harmony Edit)	O (Vocal Harmony Edit)	X	X	O	X
Vocal Harmony Vocoder Part (Harmony Part (Panel)) (PSR-2100 only)	F0 43 73 01 11 00 50 10 ss F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00010000 10 = Vocoder Part Parameter No. 00000000 dd = data 00H : Off 01H : Upper 02H : Lower 11110111 F7 = End of Exclusive	X	O	X	X	X	X	X	X	O (Mic Setting)	O (Mic Setting)	X	X	O	X

## System Exclusive Messages (Others)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	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 = 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 00000000 cc = don't care 11110111 F7 = End of Exclusive	O	X	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

## Lista de mensajes exclusivos del sistema de canciones

Data Format	Parameter	Description
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### Panel Setting

F0 43 73 01 22 00 0n mm ll pp F7	Panel Program Change	pp=Bank Select MSB, ll=Bank Select LSB, nn=Program Change, On=Channel
F0 43 73 01 22 01 0n vv F7	Panel Voice Volume	00H – 07FH, On=Channel
F0 43 73 01 22 02 0n vv F7	Panel Voice Reverb Depth	00H – 07FH, On=Channel
F0 43 73 01 22 03 0n vv F7	Panel Voice Effect Depth	00H – 07FH, On=Channel

### Score

F0 43 73 01 50 12 00 00 dd F7	Left Part indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 00 01 dd F7	Right Part indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 00 02 dd F7	Lyrics indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 00 03 dd F7	Chord indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 00 04 dd F7	N.Name indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 00 05 dd F7	Size designation	00H: SMALL, 01H: MIDDLE, 02H: LARGE, 03H: Xlarge
F0 43 73 01 50 12 00 06 dd F7	Left Ch	00H – 0FH=CH, 7EH=OFF, 7FH=AUTO
F0 43 73 01 50 12 00 07 dd F7	Right Ch	00H – 0FH=CH, 7EH=OFF, 7FH=AUTO
F0 43 73 01 50 12 00 08 dd F7	Quantize triplet On/Off	00H: Triplet OFF, 7FH: Triplet ON
F0 43 73 01 50 12 00 09 dd F7	Quantize	00H: quarter, 01H: eighth, 02H: sixteenth, 03H: thirty-second
F0 43 73 01 50 12 00 0A dd F7	NoteName	00H: ABC, 01H: FixedDo, 02H: MovableDo
F0 43 73 01 50 12 00 0B dd F7	Color Note	00H: OFF, 7FH: ON

### Style

F0 43 73 dd 11 00 16 dd dd F7	Style No.	dd dd=StyleNo. PSR-2100: 7F 3C PSR-1100: 7F 3B
F0 43 73 01 51 05 00 00 08 Rhy1 Rhy2 Bass Chd1 Chd2 Pad Phr1 Phr2 7F	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

## Lista de meta-eventos de canciones

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 11 12 13	Set Tempo	t1 t2 t3 = 01D4C0H – B71B00 (5 – 500)
FF 58 04 nn dd cc bb	Beat (Time signature)	nn =Denominator (2 <sup>n</sup> ), 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 <sub>b</sub> – 7 <sub>s</sub> ) 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
FF 7F len 43 73 0D 00 [Data]	Song OTS	len=Data length, [Data]=OTS Data

### 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 X *****	3 X X	
Note Number : True voice		0 - 127 *****	0 - 127 0 - 127	
Velocity	Note ON Note OFF	O 9nH,v=1-127 X 9nH,v=0	O 9nH,v=1-127 X	
After Touch	Key's Ch's	X X	X O	
Pitch Bend		O	O 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	O O O O O O X O O O X X	O O O O O O O O O O O O	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 #		O 0 - 127 *****	O 0 - 127	
System Exclusive		O	O	
Common : Song Pos. : Song Sel. : Tune	X X X	X X X	X X X	
System : Clock Real Time : Commands	O O	O O	O O	
Aux : All Sound Off : Reset All Cntrls : Local ON/OFF Mes- : All Notes OFF sages: Active Sense : Reset	X X X X O X	X X X X O X	O (120,126-127) O (121) O O (123-125) O X	
Notes:				

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

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

O : Yes  
 X : No

