

CP5 / CP50

STAGE PIANO

Data List

for Version 1.20 or later

Contents

Performance List	2
Voice List	11
Preset Drum Phrase List.....	15
Preset Drum Kit List.....	16
Pre-Amplifier Block	17
Modulation Effect Block.....	19
Power-Amplifier/Compressor Block (CP5 only).....	28
Mic Effect Block (CP5 only).....	29
Reverb Block.....	30
MIDI Data Format.....	31
MIDI Data Table.....	34
MIDI Implementation Chart.....	41

Performance List

CP5 Performance List

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 1	A01	CF Grand	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Amb Pad	Chorus	HARMONIC ENHANCER		—	
			L1	SectionSt3	VCM EQ 501	DELAY LR		—	
			L2	E.Ba + Cym	CLASSIC COMPRESSOR	CROSS DELAY		—	
			TRACK	Phrase: PopNewAge Kit: Standard 1	—	—		off	
PRE 1	A02	S6 Grand	R1	S6 Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Petit	ROTARY SPEAKER	TEMPO DELAY STEREO		—	
			L1	Orchestra2	Symphonic	LO-FI		—	
			L2	A.Ba + Cym	CLASSIC COMPRESSOR	CROSS DELAY		—	
			TRACK	Phrase: 60'sSwing Kit: Standard 1	—	—		off	
PRE 1	A03	RockBright	R1	CF Grand	VCM EQ 501	Clean Amp	Stage2	—	off
			R2	CP88	ISOLATOR	SPX CHORUS		—	
			L1	FunkGuitar	AMP SIMULATOR 1	TEMPO DELAY STEREO		—	
			L2	PickBa M	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: WestCoast Kit: Standard 1	—	—		off	
PRE 1	A04	S6 Calm	R1	S6 Grand	VCM EQ 501	Clean Amp	Rich Room	—	off
			R2	SynthBrass	2 MODULATOR	EARLY REFLECTION		—	
			L1	Sfz Brass	VCM EQ 501	LO-FI		—	
			L2	101 Bass	SPX CHORUS	NOISY		—	
			TRACK	Phrase: 8Beat Kit: Room	—	—		off	
PRE 1	A05	HonkyTonk	R1	CF Grand	VCM EQ 501	Clean Amp	Room1	—	off
			R2	Musette	TREMOLO	AMP SIMULATOR 1		—	
			L1	CF Grand	VCM EQ 501	Clean Amp		—	
			L2	AcousticBa	CLASSIC COMPRESSOR	Clean Amp		—	
			TRACK	Phrase: Dixieland Kit: Standard 2	—	—		off	
PRE 1	A06	DanceGrand	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	FaatDance	MAX100	TEMPO DELAY STEREO		—	
			L1	Sky Walk	D Chorus	Clean Amp		—	
			L2	Competitor	CLASSIC COMPRESSOR	MULTI BAND COMP		—	
			TRACK	Phrase: TrancePop Kit: Analog19	—	—		off	
PRE 1	A07	Rock Comp	R1	CF Grand	CLASSIC COMPRESSOR	Clean Amp	Rich Hall	—	off
			R2	Darklight	Symphonic	Clean Amp		—	
			L1	Dist Gt 1	COMP DISTORTION DELAY	VCM EQ 501		—	
			L2	PickBa M	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: ContmpRock Kit: Standard 1	—	—		off	
PRE 1	A08	Old School	R1	CF Grand	COMP DISTORTION	Clean Amp	Woody Room	—	off
			R2	Harmonica	LO-FI	AMP SIMULATOR 1		—	
			L1	Banjo	LO-FI	Clean Amp		—	
			L2	AcousticBa	AMP SIMULATOR 1	Clean Amp		—	
			TRACK	Phrase: Bluegrass Kit: Jazz	—	—		off	
PRE 1	A09	CF+DX EP	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Soft Pad 1	DYNAMIC FILTER	TEMPO DELAY STEREO		—	
			L1	DX Legend	816Chorus	Clean Amp		—	
			L2	Fundamentl	Symphonic	Power Amp 77Wr		—	
			TRACK	Phrase: PopNewAge Kit: Analog	—	—		off	
PRE 1	A10	CF+Rd	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Syn Whistl	TEMPO DELAY STEREO	G CHORUS		—	
			L1	75Rd I	G CHORUS	Clean Amp		—	
			L2	BobbyBass	LO-FI	VCM EQ 501		—	
			TRACK	Phrase: 8Beat Kit: Standard 1	—	—		off	
PRE 1	B01	CF+Dyno	R1	Dyno	SPX CHORUS	Power Amp 78Rd II	Rich Hall	—	off
			R2	GlassPad	TEMPO PHASER	AMP SIMULATOR 1		—	
			L1	CF Grand	VCM EQ 501	Clean Amp		—	
			L2	Fretless 2	LO-FI	TEMPO DELAY MONO		—	
			TRACK	Phrase: ContempBld Kit: Electronic	—	—		off	

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 1	B02	CF+Strings	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Soft Pad 2	ISOLATOR	LO-FI		—	
			L1	Slow Str 1	VCM EQ 501	Clean Amp		—	
			L2	Fretless 2	TEMPO DELAY MONO	Clean Amp		—	
			TRACK	Phrase: Chillout2 Kit: Standard 2	—	—		off	
PRE 1	B03	S6+Strings	R1	S6 Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Voice Lead	DYNAMIC RING MODULATOR	TEMPO DELAY STEREO		—	
			L1	Slow Str 1	VCM EQ 501	Clean Amp		—	
			L2	Fundamentl	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: PopNewAge Kit: Analog	—	—		off	
PRE 1	B04	CF+BellPad	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Sci-Fi	Touch Wah	TEMPO DELAY STEREO		—	
			L1	Planet	2 MODULATOR	Clean Amp		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: FmklySoul Kit: Analog	—	—		off	
PRE 1	B05	CF+AnaPad	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Oboe	VCM EQ 501	TEMPO DELAY STEREO		—	
			L1	Soft Pad 1	ENSEMBLE DETUNE	Clean Amp		—	
			L2	Fretless 2	Symphonic	VCM EQ 501		—	
			TRACK	Phrase: PopNewAge Kit: Standard 1	—	—		off	
PRE 1	B06	S6+Pad	R1	S6 Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Flute 2	ISOLATOR	TEMPO DELAY STEREO		—	
			L1	Soft Pad 1	ENSEMBLE DETUNE	Clean Amp		—	
			L2	AcousticBa	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: ModernJazz Kit: Standard 2	—	—		off	
PRE 1	B07	CF+Vox	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	12StrGt 1	VCM EQ 501	TEMPO DELAY STEREO		—	
			L1	Choir 2	2 MODULATOR	Clean Amp		—	
			L2	101 Bass	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: ChartBld Kit: Analog	—	—		off	
PRE 1	B08	PhaseRd/CF	R1	CF Grand	MULTI BAND COMP	Clean Amp	Rich Plate	—	on
			R2	Quartet	VCM EQ 501	TEMPO DELAY STEREO		—	
			L1	75Rd I	MAX90	Clean Amp		—	
			L2	PercPunch	MAX100	Power Amp 77Wr		—	
			TRACK	Phrase: EPBallad Kit: Analog	—	—		off	
PRE 1	B09	Strings/CF	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	on
			R2	Darklight	DYNAMIC RING MODULATOR	TEMPO DELAY STEREO		—	
			L1	SectionSt1	VCM EQ 501	Clean Amp		—	
			L2	Slap Bass	CLASSIC COMPRESSOR	AMP SIMULATOR 1		—	
			TRACK	Phrase: Slow&Easy Kit: Standard 2	—	—		off	
PRE 1	B10	AcBass/CF	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Plate	—	on
			R2	JazzGuitar	AMP SIMULATOR 1	LO-FI		—	
			L1	AcousticBa	VCM EQ 501	Clean Amp		—	
			L2	Clavi Mt	AMP SIMULATOR 1	Clean Amp		—	
			TRACK	Phrase: PopWaltz Kit: Brush	—	—		on	
PRE 1	C01	ABa/CF+Str	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	on
			R2	Strings 2	VCM EQ 501	Clean Amp		—	
			L1	AcousticBa	VCM EQ 501	Clean Amp		—	
			L2	FunkGuitar	AMP SIMULATOR 1	DELAY LR		—	
			TRACK	Phrase: ClscHipHop Kit: Break	—	—		off	
PRE 1	C02	Ba/CF+Str	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	on
			R2	Strings 2	VCM EQ 501	Clean Amp		—	
			L1	Fretless 2	VCM EQ 501	Clean Amp		—	
			L2	FrenchHorn	CLASSIC COMPRESSOR	LO-FI		—	
			TRACK	Phrase: Chillout1 Kit: Standard 2	—	—		on	

CP5 Performance List

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 1	C03	Ba/CF+Pad	R1	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	on
			R2	Soft Pad 1	SPX CHORUS	Clean Amp			
			L1	FingerBa 1	VCM EQ 501	Clean Amp			
			L2	Trojan	NOISY	TEMPO FLANGER			
			TRACK	Phrase: PowerRock1 Kit: Rock	—	—			
PRE 1	C04	CP 80	R1	CP80	816Chorus	Clean Amp	Rich Hall	—	off
			R2	SoftSynBr2	D Chorus	TEMPO DELAY STEREO			
			L1	70's Str 1	Symphonic	Clean Amp			
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501			
			TRACK	Phrase: RockBld2 Kit: Standard 1	—	—			
PRE 1	C05	CP80Chorus	R1	CP80	D Chorus	Clean Amp	Rich Hall	—	off
			R2	Clean Gt 1	AMP SIMULATOR 1	TEMPO DELAY STEREO			
			L1	60's Clean	AMP SIMULATOR 1	VCM EQ 501			
			L2	PickBa 0	Flanger	VCM EQ 501			
			TRACK	Phrase: RockBld2 Kit: Electronic	—	—			
PRE 1	C06	CP80 Trem	R1	CP80	TREMOLO	Clean Amp	Room1	—	off
			R2	Bell Pad 2	Symphonic	TEMPO DELAY STEREO			
			L1	Sitar	LO-FI	EARLY REFLECTION			
			L2	One Voice	VCM EQ 501	CLASSIC COMPRESSOR			
			TRACK	Phrase: PowerRock1 Kit: Rock	—	—			
PRE 1	C07	Rain CP80	R1	CP80	TEMPO DELAY STEREO	Clean Amp	Rich Plate	—	off
			R2	Star Dust	AMP SIMULATOR 1	ISOLATOR			
			L1	VP Soft	VCM EQ 501	Clean Amp			
			L2	Fundamentl	VCM EQ 501	LO-FI			
			TRACK	Phrase: Chillout3 Kit: Analog	—	—			
PRE 1	C08	CP80+DX EP	R1	CP80	D Chorus	Clean Amp	Rich Hall	—	off
			R2	Creation	DYNAMIC RING MODULATOR	TEMPO DELAY STEREO			
			L1	DX Legend	ENSEMBLE DETUNE	Clean Amp			
			L2	FingerBa 1	VCM EQ 501	VCM Compressor 376			
			TRACK	Phrase: ContempBld Kit: Standard 1	—	—			
PRE 1	C09	CP+Dyno	R1	Dyno	SPX CHORUS	Power Amp 78Rd II	Rich Hall	—	off
			R2	Orchestra3	Symphonic	VCM EQ 501			
			L1	CP88	SPX CHORUS	Clean Amp			
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501			
			TRACK	Phrase: SoulBeat Kit: Standard 1	—	—			
PRE 1	C10	Rock CP	R1	CP88	CLASSIC FLANGER	Clean Amp	Rich Hall	—	on
			R2	RotaryOrg	DELAY LR	Clean Amp			
			L1	FingerBa 1	VCM EQ 501	Clean Amp			
			L2	FunkGuitar	AMP SIMULATOR 1	TEMPO DELAY MONO			
			TRACK	Phrase: ContmpRock Kit: Rock	—	—			
PRE 1	D01	DXLegend 1	R1	DX Legend	816Chorus	Clean Amp	Rich Hall	—	off
			R2	Darklight	DELAY LR	LO-FI			
			L1	Kalimba	HARMONIC ENHANCER	TEMPO DELAY STEREO			
			L2	ClickSynBa	Symphonic	Clean Amp			
			TRACK	Phrase: CaribRock Kit: Analog	—	—			
PRE 1	D02	FullTime	R1	DX FTine	816Chorus	Clean Amp	Rich Hall	—	off
			R2	DigiBell 1	DELAY LR	RING MODULATOR			
			L1	SharpTeeth	VCM EQ 501	G CHORUS			
			L2	SynthBass2	CLASSIC FLANGER	AMP SIMULATOR 1			
			TRACK	Phrase: WestCoast Kit: Analog	—	—			
PRE 1	D03	DX Woody	R1	DX Woody	816Chorus	Clean Amp	Rich Hall	—	off
			R2	Sfz Brass	DELAY LR	VCM EQ 501			
			L1	CF Grand	LO-FI	VCM Compressor 376			
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501			
			TRACK	Phrase: CaribRock Kit: Electronic	—	—			

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 1	D04	FM Mellow	R1	DX Mellow	816Chorus	Clean Amp	Rich Hall	—	off
			R2	Choir Aah	DELAY LR	ISOLATOR			
			L1	Steel Gt 1	MULTI BAND COMP	VCM EQ 501			
			L2	PickBa 0	AMP SIMULATOR 1	VCM EQ 501			
			TRACK	Phrase: Clisc16Beat Kit: Standard 1	—	—			
PRE 1	D05	DX7IChrus	R1	DX 7 II	2 MODULATOR	Clean Amp	Rich Hall	—	off
			R2	Soft Pad 2	Symphonic	TEMPO DELAY STEREO			
			L1	ZEN	DELAY LR	AUTO SYNTH			
			L2	101 Bass	Small Phaser	Power Amp 77Wr			
			TRACK	Phrase: RockBld2 Kit: Rock	—	—			
PRE 1	D06	DXLegend 2	R1	DX Mellow	816Chorus	Clean Amp	Rich Hall	—	off
			R2	HawaiianGt	DELAY LR	ISOLATOR			
			L1	DX Legend	816Chorus	Clean Amp			
			L2	Fretless 1	D Chorus	TEMPO DELAY MONO			
			TRACK	Phrase: CaribRock Kit: Dance	—	—			
PRE 1	D07	DX+DigiBel	R1	DigiBell 2	ENSEMBLE DETUNE	Clean Amp	Rich Hall	—	off
			R2	Soft Pad 1	Symphonic	DYNAMIC RING MODULATOR			
			L1	DX Woody	816Chorus	Clean Amp			
			L2	Fundamentl	ISOLATOR	AMP SIMULATOR 1			
			TRACK	Phrase: PopNewAge Kit: Standard 1	—	—			
PRE 1	D08	DX+AnaPad	R1	DX Legend	816Chorus	Clean Amp	Rich Hall	—	off
			R2	Clean Gt 1	AMP SIMULATOR 1	DELAY LR			
			L1	Soft Pad 1	ENSEMBLE DETUNE	Clean Amp			
			L2	FingerBa 1	AMP SIMULATOR 1	VCM EQ 501			
			TRACK	Phrase: PopNewAge Kit: Standard 1	—	—			
PRE 1	D09	Ballad DX	R1	DX Woody	SPX CHORUS	Power Amp 77Wr	Rich Hall	—	on
			R2	Clean Gt 1	AMP SIMULATOR 1	DELAY LR			
			L1	FlangeBa 2	VCM EQ 501	AMP SIMULATOR 1			
			L2	Strings 3	ISOLATOR	TEMPO DELAY STEREO			
			TRACK	Phrase: RockBld2 Kit: Electronic	—	—			
PRE 1	D10	80s Pop	R1	DX Woody	816Chorus	Clean Amp	Rich Hall	—	on
			R2	OberBrass1	SPX CHORUS	EARLY REFLECTION			
			L1	SynthBass2	VCM EQ 501	Clean Amp			
			L2	Mute Dist	AMP SIMULATOR 1	DELAY LR			
			TRACK	Phrase: 8Beat Kit: Electronic	—	—			
PRE 2	A01	71Rd Trem	R1	71Rd I	VCM EQ 501	Power Amp 71Rd I	Rich Hall	—	off
			R2	Darklight	Symphonic	DELAY LR			
			L1	Sweet Vn	EARLY REFLECTION	MULTI BAND COMP			
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501			
			TRACK	Phrase: ChartBld Kit: Hit	—	—			
PRE 2	A02	71RdDriven	R1	71Rd I	VCM EQ 501	AMP SIMULATOR 1	Rich Hall	—	off
			R2	Musette	LO-FI	DELAY LR			
			L1	Clavi	AMP SIMULATOR 1	VCM Compressor 376			
			L2	Slap Bass	AMP SIMULATOR 1	VCM EQ 501			
			TRACK	Phrase: SoulShuffle Kit: Standard 2	—	—			
PRE 2	A03	73Rd	R1	73Rd I	VCM EQ 501	Power Amp 73Rd I	Rich Hall	—	off
			R2	Click Pad	SPX CHORUS	TEMPO DELAY STEREO			
			L1	Mini Thre	TEMPO FLANGER	TEMPO DELAY STEREO			
			L2	SynthBass2	AMP SIMULATOR 1	VCM EQ 501			
			TRACK	Phrase: 8Beat Kit: Rock	—	—			

CP5 Performance List

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 2	A04	73RdPhaser	R1	73Rd I	Small Phaser	Power Amp 73Rd I	Rich Hall	—	off
			R2	Tango	AMP SIMULATOR 1	DELAY LR		—	
			L1	FunkGuitar	AMP SIMULATOR 1	VCM EQ 501		—	
			L2	FingerBa 1	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: FunkPpRock Kit: Standard 1	—	—		off	
PRE 2	A05	Simple RII	R1	75Rd I	Small Phaser	Clean Amp	Rich Hall	—	off
			R2	LFO Pad	DYNAMIC RING MODULATOR	VCM EQ 501		—	
			L1	Perc.Organ	ROTARY SPEAKER	VCM EQ 501		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: FrnklySoul Kit: Standard 1	—	—		off	
PRE 2	A06	Driven RII	R1	75Rd I	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	SaxSection	2 MODULATOR	TEMPO DELAY STEREO		—	
			L1	Clavi	MAX100	Power Amp 77Wr		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: DetroitPp1 Kit: Standard 1	—	—		off	
PRE 2	A07	Fast Phase	R1	75Rd I	MAX90	Clean Amp	Rich Hall	—	off
			R2	Choir Aah	TEMPO DELAY STEREO	VCM EQ 501		—	
			L1	SectionSt3	AMP SIMULATOR 1	DELAY LR		—	
			L2	SynthBass4	Flanger	VCM EQ 501		—	
			TRACK	Phrase: RockBld2 Kit: Electronic	—	—		off	
PRE 2	A08	RII Chorus	R1	75Rd I	D Chorus	Clean Amp	Rich Room	—	off
			R2	Tb Section	VCM EQ 501	TEMPO DELAY MONO		—	
			L1	Tenor Sax	AMP SIMULATOR 1	TREMOLO		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: Samba Kit: Standard 1	—	—		off	
PRE 2	A09	78Rd	R1	78Rd II	VCM EQ 501	Power Amp 78Rd II	Rich Hall	—	off
			R2	LFO Pad	DYNAMIC RING MODULATOR	VCM EQ 501		—	
			L1	Clean Gt 1	AMP SIMULATOR 1	DELAY LR		—	
			L2	PercPunch	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: Chillout1 Kit: Dance	—	—		off	
PRE 2	A10	78RdChorus	R1	78Rd II	SPX CHORUS	Power Amp 78Rd II	Rich Hall	—	off
			R2	DX Woody	DYNAMIC FILTER	TEMPO DELAY MONO		—	
			L1	Darklight	LO-FI	DELAY LR		—	
			L2	Dark Bass	Symphonic	VCM EQ 501		—	
			TRACK	Phrase: Slow&Easy Kit: Standard 2	—	—		off	
PRE 2	B01	Dyno	R1	Dyno	VCM EQ 501	Power Amp 78Rd II	Rich Hall	—	off
			R2	DigiBell 3	816Chorus	DELAY LR		—	
			L1	Celesta	LO-FI	VCM Compressor 376		—	
			L2	ClickSynBa	DYNAMIC FILTER	SPX CHORUS		—	
			TRACK	Phrase: SoulShuffle Kit: Standard 1	—	—		off	
PRE 2	B02	DynoChorus	R1	Dyno	SPX CHORUS	Power Amp 78Rd II	Rich Hall	—	off
			R2	Slow Choir	SPX CHORUS	TEMPO DELAY STEREO		—	
			L1	ZEN	ISOLATOR	LO-FI		—	
			L2	AcidBass	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: Chillout3 Kit: Brak	—	—		off	
PRE 2	B03	Dyno+DX	R1	DX 7 II	816Chorus	Clean Amp	Rich Hall	—	off
			R2	Soft Pad 1	ENSEMBLE DETUNE	TEMPO DELAY STEREO		—	
			L1	Dyno	SPX CHORUS	Power Amp 78Rd II		—	
			L2	Fretless 1	CLASSIC FLANGER	TEMPO DELAY MONO		—	
			TRACK	Phrase: SoulR&B Kit: Hip Hop	—	—		off	

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 2	B04	Rds+AnaPad	R1	75Rd I	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Dulcimer	TEMPO DELAY STEREO	VCM EQ 501		—	
			L1	Soft Pad 1	ENSEMBLE DETUNE	Clean Amp		—	
			L2	FatSineRes	COMP DISTORTION	VCM EQ 501		—	
			TRACK	Phrase: PopNewAge Kit: Standard 1	—	—		off	
PRE 2	B05	Dyno+Str	R1	Dyno	SPX CHORUS	Power Amp 78Rd II	Rich Hall	—	off
			R2	Steel Gt 1	LO-FI	TEMPO DELAY STEREO		—	
			L1	Slow Str 1	VCM EQ 501	Clean Amp		—	
			L2	PickBa M	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: USHipHop Kit: Hip Hop	—	—		off	
PRE 2	B06	Jazz Jam	R1	75Rd I	AMP SIMULATOR 1	Clean Amp	Rich Room	—	on
			R2	Vib ST	MAX90	DELAY LR		—	
			L1	JazzOrgan	AMP SIMULATOR 1	Clean Amp		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: Clsc16Beat Kit: Standard 1	—	—		off	
PRE 2	B07	ABa/73+Str	R1	75Rd I	VCM EQ 501	Power Amp 73Rd I	Rich Hall	—	on
			R2	Strings 2	VCM EQ 501	Clean Amp		—	
			L1	AcousticBa	VCM EQ 501	Clean Amp		—	
			L2	JazzGuitar	AMP SIMULATOR 1	TEMPO DELAY MONO		—	
			TRACK	Phrase: JzWaltzMed Kit: Break	—	—		off	
PRE 2	B08	Jam Groove	R1	75Rd I	VCM EQ 501	Clean Amp	Room1	—	on
			R2	FunkGuitar	AMP SIMULATOR 1	DELAY LR		—	
			L1	FingerBa 1	Small Phaser	Clean Amp		—	
			L2	Clavi	MAX90	AMP SIMULATOR 1		—	
			TRACK	Phrase: SoulR&B Kit: Hip Hop	—	—		on	
PRE 2	B09	Samba Rds	R1	75Rd I	VCM EQ 501	Clean Amp	Rich Hall	—	on
			R2	SaxSection	Symphonic	DELAY LR		—	
			L1	FlangeBa 1	VCM EQ 501	Clean Amp		—	
			L2	Clavi	AMP SIMULATOR 1	TEMPO PHASER		—	
			TRACK	Phrase: Samba Kit: Room	—	—		on	
PRE 2	B10	Ba/Dyno+Pd	R1	Dyno	SPX CHORUS	Power Amp 78Rd II	Rich Hall	—	on
			R2	Soft Pad 1	SPX CHORUS	Clean Amp		—	
			L1	FingerBa 2	VCM EQ 501	SPX CHORUS		—	
			L2	FunkGuitar	AMP SIMULATOR 1	DELAY LR		—	
			TRACK	Phrase: CaribRock Kit: Analog	—	—		on	
PRE 2	C01	Wurli77	R1	77Wr	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Bandoneon	ROTARY SPEAKER	DELAY LR		—	
			L1	FrenchHorn	Symphonic	TEMPO DELAY STEREO		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: FunkPpRock Kit: Standard 1	—	—		off	
PRE 2	C02	RoundWurli	R1	77Wr	VCM EQ 501	Clean Amp	Rich Plate	—	off
			R2	60sOrgan 1	ROTARY SPEAKER	LO-FI		—	
			L1	Tron Str	MAX90	DELAY LR		—	
			L2	PickBa 0	MAX90	AMP SIMULATOR 1		—	
			TRACK	Phrase: RockShuffle Kit: Standard 1	—	—		off	
PRE 2	C03	Wurli Dist	R1	77Wr	AMP SIMULATOR 1	Clean Amp	Rich Hall	—	off
			R2	HawaiianGt	AMP SIMULATOR 1	DELAY LR		—	
			L1	RotaryOrg	ROTARY SPEAKER	LO-FI		—	
			L2	PickBa M	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: SmoothBid Kit: Standard 1	—	—		off	

CP5 Performance List

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 2	C04	Busted6X9	R1	77Wr	COMP DISTORTION	Clean Amp	Rich Plate	—	off
			R2	SharpTeeth	DYNAMIC RING MODULATOR	VCM EQ 501		—	
			L1	Clavi	Small Phaser	AMP SIMULATOR 1		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: FunkPpRock Kit: Standard 1	—	—		off	
PRE 2	C05	BossaNurli	R1	69Wr	VCM EQ 501	Clean Amp	Rich Hall	—	on
			R2	Bell Harp	TEMPO DELAY STEREO	Power Amp 77Wr		—	
			L1	FingerBa 1	VCM EQ 501	Clean Amp		—	
			L2	CF Grand	CLASSIC COMPRESSOR	Clean Amp		—	
			TRACK	Phrase: BossaNova Kit: Brush	—	—		on	
PRE 2	C06	N Nurli	R1	77Wr	VCM EQ 501	Clean Amp	Rich Room	—	on
			R2	Creation	DYNAMIC RING MODULATOR	EARLY REFLECTION		—	
			L1	Fretless 1	VCM EQ 501	TEMPO DELAY MONO		—	
			L2	Mute Dist	AMP SIMULATOR 1	DELAY LR		—	
			TRACK	Phrase: EuroHipHop Kit: Dance	—	—		on	
PRE 2	C07	BrightClav	R1	Clavi	VCM EQ 501	Clean Amp	Rich Room	—	off
			R2	Progressiv	ROTARY SPEAKER	LO-FI		—	
			L1	Clean Gt 3	AMP SIMULATOR 1	DELAY LR		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: SmoothBld Kit: Standard 1	—	—		off	
PRE 2	C08	ClavNasty	R1	Clavi	AMP SIMULATOR 2	Clean Amp	Room2	—	off
			R2	GoblinsSyn	COMP DISTORTION	DELAY LR		—	
			L1	Mini Three	CLASSIC COMPRESSOR	2 MODULATOR		—	
			L2	Slap Bass	CLASSIC COMPRESSOR	AMP SIMULATOR 1		—	
			TRACK	Phrase: ModernR&B Kit: Standard 2	—	—		off	
PRE 2	C09	Wah Clavi	R1	Clavi	Touch Wah	Clean Amp	Rich Plate	—	off
			R2	Rock Perc	ROTARY SPEAKER	DELAY LR		—	
			L1	69Wr	COMP DISTORTION	Power Amp 69Wr		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: Clsc16Beat Kit: Rock	—	—		off	
PRE 2	C10	ClavWahFC2	R1	Clavi	Pedal Wah	Clean Amp	Rich Room	—	off
			R2	Back Pad	DELAY LR	LO-FI		—	
			L1	Balimba	AMP SIMULATOR 1	TEMPO DELAY MONO		—	
			L2	AcousticBa	CLASSIC COMPRESSOR	VCM EQ 501		—	
			TRACK	Phrase: Chillout2 Kit: Standard 1	—	—		off	
PRE 2	D01	ClavPhaser	R1	Clavi	MAX90	Clean Amp	Rich Room	—	off
			R2	CP80	CLASSIC COMPRESSOR	TEMPO DELAY MONO		—	
			L1	DancyHook	EARLY REFLECTION	CLASSIC COMPRESSOR		—	
			L2	101 Bass	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: FunkPpRock Kit: AnalogT9	—	—		off	
PRE 2	D02	ClavFlange	R1	Clavi ST	Flanger	Clean Amp	Rich Plate	—	off
			R2	Vapor	VCM EQ 501	TEMPO DELAY STEREO		—	
			L1	ZEN	MULTI BAND COMP	LO-FI		—	
			L2	Fundamentl	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: PowerRock2 Kit: Rock	—	—		off	
PRE 2	D03	Clavi Mute	R1	Clavi Mt	VCM EQ 501	Clean Amp	Rich Room	—	off
			R2	Pizzicato	TEMPO DELAY STEREO	LO-FI		—	
			L1	Echoes	EARLY REFLECTION	TEMPO DELAY STEREO		—	
			L2	Long Spit	AMP SIMULATOR 1	SPX CHORUS		—	
			TRACK	Phrase: SmoothBld Kit: Standard 1	—	—		off	

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 2	D04	FunkyClavi	R1	Clavi	DYNAMIC PHASER	Clean Amp	Room1	—	on
			R2	Big Squish	TEMPO DELAY STEREO	VCM EQ 501		—	
			L1	SynthBass3	VCM EQ 501	Clean Amp		—	
			L2	60's Clean	816Chorus	AMP SIMULATOR 1		—	
			TRACK	Phrase: KoolShuffle Kit: Room	—	—		on	
PRE 2	D05	HarpSichrd	R1	HarpSi 1	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Harp	VCM EQ 501	TEMPO DELAY STEREO		—	
			L1	Oboe	ISOLATOR	DELAY LR		—	
			L2	Quartet	Symphonic	VCM EQ 501		—	
			TRACK	Phrase: PopWaltz Kit: Standard 1	—	—		off	
PRE 2	D06	HipHarpSi	R1	HarpSi 1	VCM EQ 501	Clean Amp	Rich Hall	—	on
			R2	DancyHook	EARLY REFLECTION	TEMPO DELAY STEREO		—	
			L1	SynthBass3	VCM EQ 501	Clean Amp		—	
			L2	Trojan	AMP SIMULATOR 1	DELAY LR		—	
			TRACK	Phrase: NewHipHop Kit: Hip Hop	—	—		on	
PRE 2	D07	Jazz Fast	R1	Perc.Organ	ROTARY SPEAKER	Clean Amp	Rich Room	—	off
			R2	JazzGuitar	Small Phaser	AMP SIMULATOR 1		—	
			L1	CF Grand	VCM EQ 501	VCM Compressor 376		—	
			L2	AcousticBa	LO-FI	VCM EQ 501		—	
			TRACK	Phrase: ModernJazz Kit: Jazz	—	—		off	
PRE 2	D08	Vib Slow	R1	JazzOrgan	ROTARY SPEAKER	Clean Amp	Rich Plate	—	off
			R2	SaxSection	VCM EQ 501	DELAY LR		—	
			L1	JazzGuitar	AMP SIMULATOR 1	TEMPO DELAY MONO		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: EasyPop Kit: Standard 1	—	—		off	
PRE 2	D09	Vintage C	R1	Vintage C	ROTARY SPEAKER	Clean Amp	Rich Hall	—	off
			R2	Panther	ROTARY SPEAKER	LO-FI		—	
			L1	Dist Gt 1	AMP SIMULATOR 1	DELAY LR		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: AcousticRk Kit: Standard 1	—	—		off	
PRE 2	D10	Soft Perc	R1	70sPercOrg	ROTARY SPEAKER	Clean Amp	Rich Plate	—	off
			R2	FaatDance	VCM EQ 501	DELAY LR		—	
			L1	RotaryOrg	COMP DISTORTION	TEMPO DELAY MONO		—	
			L2	PickBa 0	AMP SIMULATOR 1	LO-FI		—	
			TRACK	Phrase: SoulBeat Kit: Room	—	—		off	
PRE 3	A01	Fat B	R1	Soft Organ	ROTARY SPEAKER	Clean Amp	Rich Hall	—	off
			R2	JazzOrgan	AMP SIMULATOR 1	LO-FI		—	
			L1	70's Str 2	Symphonic	TEMPO DELAY STEREO		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: Gospel2 Kit: Standard 1	—	—		off	
PRE 3	A02	Rotary B	R1	RotaryOrg	TREMOLO	Clean Amp	Rich Room	—	off
			R2	Tron Str	AMP SIMULATOR 1	TEMPO DELAY MONO		—	
			L1	77Wr	AMP SIMULATOR 1	TEMPO DELAY MONO		—	
			L2	Slap Bass	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: SoulShuffle Kit: Standard 1	—	—		off	
PRE 3	A03	ChurchDrbr	R1	EvenBarOrg	ROTARY SPEAKER	Clean Amp	Rich Hall	—	off
			R2	PipeOrganT	DELAY LR	VCM EQ 501		—	
			L1	HarpSi 1	AMP SIMULATOR 1	LO-FI		—	
			L2	Puff Organ	VCM EQ 501	AMP SIMULATOR 1		—	
			TRACK	Phrase: RockBld2 Kit: Standard 1	—	—		off	

CP5 Performance List

Table with columns: Bank, No., Performance Name, Part, Voice/Drum pattern, Modulation Effect, Power Amp, Reverb, Auto Key On Start (all key), Split. Rows include PRE 3 A04 OrComp/Dst, PRE 3 A05 Latin B, PRE 3 A06 PrgRokOrgn, PRE 3 A07 Transistor, PRE 3 A08 Compact, PRE 3 A09 PetitOrg, PRE 3 A10 BigChurch, PRE 3 B01 Nylon, PRE 3 B02 Steel6, PRE 3 B03 Steel12.

Table with columns: Bank, No., Performance Name, Part, Voice/Drum pattern, Modulation Effect, Power Amp, Reverb, Auto Key On Start (all key), Split. Rows include PRE 3 B04 GuitarBack, PRE 3 B05 RockLdGtr, PRE 3 B06 Vibes, PRE 3 B07 Jazz Vibes, PRE 3 B08 MarimbaJoy, PRE 3 B09 ChurchBell, PRE 3 B10 St/Celesta, PRE 3 C01 Kosmos, PRE 3 C02 DarkNight, PRE 3 C03 Ether.

CP5 Performance List

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 3	C04	AnaGroovey	R1	Analog Str	MAX90	Clean Amp	Rich Plate	—	on
			R2	Popcorn	CLASSIC COMPRESSOR	TEMPO DELAY STEREO		—	
			L1	BobbyBass	CLASSIC COMPRESSOR	Clean Amp		—	
			L2	60's Clean	Small Phaser	AMP SIMULATOR 1		—	
			TRACK	Phrase: 70'sDisco Kit: Analog	—	—		on	
PRE 3	C05	Choirs	R1	Choir Aah	VCM EQ 501	Clean Amp	Rich Plate	—	off
			R2	CP80	D Chorus	TEMPO DELAY MONO		—	
			L1	Itopia	VCM EQ 501	Clean Amp		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: 6-8SlowRk Kit: Standard 2	—	—		off	
PRE 3	C06	Choir+Str	R1	Choir 2	ENSEMBLE DETUNE	Clean Amp	Rich Plate	—	off
			R2	Twist	LO-FI	VCM Compressor 376		—	
			L1	Orchestra2	ENSEMBLE DETUNE	Clean Amp		—	
			L2	Competitor	AMP SIMULATOR 1	PITCH CHANGE		—	
			TRACK	Phrase: 70'sBld2 Kit: Analog	—	—		off	
PRE 3	C07	Strings1	R1	Sweet Vn	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Oboe	LO-FI	TEMPO DELAY MONO		—	
			L1	Slow Str 1	VCM EQ 501	Clean Amp		—	
			L2	FrenchHorn	VCM EQ 501	LO-FI		—	
			TRACK	Phrase: 12-8Ballad Kit: Standard 2	—	—		off	
PRE 3	C08	Strings2	R1	Strings 2	G CHORUS	Clean Amp	Rich Hall	—	off
			R2	SrtCrystal	LO-FI	TEMPO DELAY MONO		—	
			L1	Quartet	DELAY LR	Clean Amp		—	
			L2	S6 Grand	LO-FI	Clean Amp		—	
			TRACK	Phrase: CoolJzBld Kit: Brush	—	—		off	
PRE 3	C09	Strings+Vn	R1	Sweet Vn	VCM EQ 501	TEMPO DELAY MONO	Rich Hall	—	off
			R2	DancyHook	Symphonic	TEMPO DELAY STEREO		—	
			L1	Orchestra1	DELAY LR	Clean Amp		—	
			L2	Long Spit	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: ModernR&B Kit: Break	—	—		off	
PRE 3	C10	AnaStrings	R1	Syn Str 3	Symphonic	Clean Amp	Rich Hall	—	off
			R2	Steel Gt 1	HARMONIC ENHANCER	TEMPO DELAY STEREO		—	
			L1	Orchestra1	VCM EQ 501	Clean Amp		—	
			L2	Big Bass	COMP DISTORTION DELAY	VCM EQ 501		—	
			TRACK	Phrase: NewR&B Kit: Hip Hop	—	—		off	
PRE 3	D01	Harp	R1	Harp	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Nylon Gt 1	AMP SIMULATOR 1	TEMPO DELAY MONO		—	
			L1	Harpst 1	LO-FI	VCM EQ 501		—	
			L2	Fretless 1	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: FastBossa Kit: Standard 2	—	—		off	
PRE 3	D02	BrassSect1	R1	BrassSect1	VCM EQ 501	Clean Amp	Rich Plate	—	off
			R2	Sweet Alto	LO-FI	TEMPO DELAY MONO		—	
			L1	Tb Section	TEMPO DELAY STEREO	Clean Amp		—	
			L2	Slap Bass	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: ModernR&B Kit: AnalogT9	—	—		off	
PRE 3	D03	BrassSect2	R1	BrassSect2	VCM EQ 501	Clean Amp	Stage1	—	off
			R2	LightOrgan	ROTARY SPEAKER	AMP SIMULATOR 1		—	
			L1	Tb Section	Symphonic	Clean Amp		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: Chillout1 Kit: Hit	—	—		off	

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 3	D04	Brass+Sax	R1	BrassSect3	VCM EQ 501	Clean Amp	Room1	—	off
			R2	Clavi	Small Phaser	AMP SIMULATOR 1		—	
			L1	BrassSect1	VCM EQ 501	Clean Amp		—	
			L2	PickBa 0	Flanger	AMP SIMULATOR 1		—	
			TRACK	Phrase: Rock&Roll Kit: Dance	—	—		off	
PRE 3	D05	Polybrass	R1	FaatDance	G CHORUS	Clean Amp	Rich Hall	—	off
			R2	CP88	SPX CHORUS	LO-FI		—	
			L1	OberBrass3	DELAY LCR	Clean Amp		—	
			L2	FingerBa 1	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: 8Beat Kit: Rock	—	—		off	
PRE 3	D06	AnalogHorn	R1	OberBrass1	TEMPO DELAY STEREO	Clean Amp	Rich Hall	—	off
			R2	CP88	SPX CHORUS	TEMPO DELAY MONO		—	
			L1	OberBrass2	816Chorus	Clean Amp		—	
			L2	FingerBa 2	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: RockShuffle Kit: Standard 1	—	—		off	
PRE 3	D07	Horn Orch	R1	Orchestra1	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	75Rd 1	AMP SIMULATOR 1	TEMPO DELAY MONO		—	
			L1	FrenchHorn	VCM EQ 501	Clean Amp		—	
			L2	FingerBa 1	AMP SIMULATOR 1	VCM EQ 501		—	
			TRACK	Phrase: RockBld2 Kit: Hip Hop	—	—		off	
PRE 3	D08	Brass Orch	R1	Horn+Str 1	VCM EQ 501	Clean Amp	Rich Hall	—	off
			R2	Vibraphone	VCM EQ 501	VCM Compressor 376		—	
			L1	Trumpet	ENSEMBLE DETUNE	Clean Amp		—	
			L2	AcousticBa	LO-FI	VCM EQ 501		—	
			TRACK	Phrase: AcousticJz Kit: Brush	—	—		off	
PRE 3	D09	Bell Orch	R1	Horn+Str 1	VCM EQ 501	Clean Amp	Rich Plate	—	off
			R2	Harpst 2	LO-FI	DELAY LR		—	
			L1	Glocken	VCM EQ 501	Clean Amp		—	
			L2	Pizzicato	Symphonic	VCM EQ 501		—	
			TRACK	Phrase: Unplugged1 Kit: Standard 2	—	—		off	
PRE 3	D10	Woodwinds	R1	Flute 1	TEMPO DELAY MONO	Clean Amp	Rich Hall	—	off
			R2	Syn Whistl	LO-FI	TEMPO DELAY MONO		—	
			L1	Bassoon	VCM EQ 501	Clean Amp		—	
			L2	PickBa M	AMP SIMULATOR 1	LO-FI		—	
			TRACK	Phrase: 70'sBld2 Kit: Standard 2	—	—		off	

☐ : Parts turned off by default.

CP50 Performance List

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 1	A01	CF Grand	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	E.Ba + Cym	CLASSIC COMPRESSOR	Clean Amp		—	
			TRACK	Phrase: PopNewAge Kit: Standard 1	—	—		off	
PRE 1	A02	Mild CF	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	A.Ba + Cym	CLASSIC COMPRESSOR	Clean Amp		—	
			TRACK	Phrase: 16BeatBld2 Kit: Standard 1	—	—		off	
PRE 1	A03	RockBright	R	CF Grand	VCM EQ 501	Clean Amp	Stage2	—	off
			L	60sOrgan 1	ROTARY SPEAKER	Clean Amp		—	
			TRACK	Phrase: WestCoast Kit: Standard 1	—	—		off	
PRE 1	A04	HonkyTonk	R	CF Grand	VCM EQ 501	Clean Amp	Room1	—	off
			L	CF Grand	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: Dixieland Kit: Standard 2	—	—		off	
PRE 1	A05	DanceGrand	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Back Pad	ENSEMBLE DETUNE	Clean Amp		—	
			TRACK	Phrase: TrancePop Kit: AnalogT9	—	—		off	
PRE 1	A06	Rock Comp	R	CF Grand	CLASSIC COMPRESSOR	Clean Amp	Rich Hall	—	off
			L	NewAgePad	TEMPO DELAY STEREO	Clean Amp		—	
			TRACK	Phrase: ContmpRock Kit: Standard 1	—	—		off	
PRE 1	A07	Old School	R	CF Grand	COMP DISTORTION	Clean Amp	Woody Room	—	off
			L	Musette	AMP SIMULATOR 1	Clean Amp		—	
			TRACK	Phrase: Bluegrass Kit: Jazz	—	—		off	
PRE 1	A08	CF+DX EP	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	DX Legend	816Chorus	Clean Amp		—	
			TRACK	Phrase: PopNewAge Kit: Analog	—	—		off	
PRE 1	A09	CF+Rd	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	75Rd 1	G CHORUS	Clean Amp		—	
			TRACK	Phrase: 8Beat Kit: Standard 1	—	—		off	
PRE 1	A10	CF+Strings	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Slow Str 1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: Chillout2 Kit: Standard 2	—	—		off	
PRE 1	B01	CF+BellPad	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Planet	2 MODULATOR	Clean Amp		—	
			TRACK	Phrase: FrnklySoul Kit: Analog	—	—		off	
PRE 1	B02	CF+AnaPad	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Soft Pad 1	ENSEMBLE DETUNE	Clean Amp		—	
			TRACK	Phrase: PopNewAge Kit: Standard 1	—	—		off	
PRE 1	B03	CF+Vox	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Choir 2	2 MODULATOR	Clean Amp		—	
			TRACK	Phrase: ChartBld Kit: Analog	—	—		off	
PRE 1	B04	DreamyGrnd	R	CF Grand	TEMPO DELAY STEREO	Clean Amp	Rich Hall	—	off
			L	Big Squish	Symphonic	Clean Amp		—	
			TRACK	Phrase: MdrnPopBld Kit: Analog	—	—		off	
PRE 1	B05	Soft'nSlow	R	CF Grand	LO-FI	Clean Amp	Rich Plate	—	off
			L	Star Dust	TEMPO CROSS DELAY	Clean Amp		—	
			TRACK	Phrase: SmoothBld Kit: Electronic	—	—		off	
PRE 1	B06	LatinPiano	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	CF Grand	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: Salsa Kit: Standard 1	—	—		on	
PRE 1	B07	PhaseRd/CF	R	CF Grand	MULTI BAND COMP	Clean Amp	Rich Plate	—	on
			L	75Rd 1	MAX90	Clean Amp		—	
			TRACK	Phrase: EPBallad Kit: Analog	—	—		off	
PRE 1	B08	Strings/CF	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	on
			L	SectionSt1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: Slow&Easy Kit: Standard 2	—	—		off	
PRE 1	B09	AcBass/CF	R	CF Grand	VCM EQ 501	Clean Amp	Rich Plate	—	on
			L	AcousticBa	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: PopWaltz Kit: Brush	—	—		on	
PRE 1	B10	Old Jazz	R	CF Grand	CLASSIC COMPRESSOR	Clean Amp	Room1	—	on
			L	AcousticBa	CLASSIC COMPRESSOR	Clean Amp		—	
			TRACK	Phrase: AcousticJz Kit: Brush	—	—		on	

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 1	C01	Samba Ens	R	CF Grand	VCM EQ 501	Clean Amp	Rich Room	—	on
			L	FingerBa 1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: Samba Kit: Standard 1	—	—		on	
PRE 1	C02	HighwayNet	R	CF Grand	VCM EQ 501	Clean Amp	Rich Hall	—	on
			L	Fretless 1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: Chillout1 Kit: Standard 2	—	—		on	
PRE 1	C03	CP 80	R	CP80	816Chorus	Clean Amp	Rich Hall	—	off
			L	Poly Pad	DELAY LR	Clean Amp		—	
			TRACK	Phrase: RockBld2 Kit: Standard 1	—	—		off	
PRE 1	C04	CP80Chorus	R	CP80	D Chorus	Clean Amp	Rich Hall	—	off
			L	AnalogBrss	Symphonic	Clean Amp		—	
			TRACK	Phrase: RockBld2 Kit: Electronic	—	—		off	
PRE 1	C05	CP80 Trem	R	CP80	TREMOLO	Clean Amp	Room1	—	off
			L	Grass Harp	Symphonic	Clean Amp		—	
			TRACK	Phrase: PowerRock1 Kit: Rock	—	—		off	
PRE 1	C06	PannerCP80	R	CP80	AUTO PAN	Clean Amp	Stage2	—	off
			L	Petit	ROTARY SPEAKER	Clean Amp		—	
			TRACK	Phrase: 8Beat Kit: Standard 1	—	—		off	
PRE 1	C07	Rain CP80	R	CP80	TEMPO DELAY STEREO	Clean Amp	Rich Plate	—	off
			L	VP Soft	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: Chillout3 Kit: Analog	—	—		off	
PRE 1	C08	Strange CP	R	CP80	ROTARY SPEAKER	Clean Amp	Rich Hall	—	off
			L	CP88	RING MODULATOR	Clean Amp		—	
			TRACK	Phrase: 8BtModern Kit: Break	—	—		off	
PRE 1	C09	CP80+DX EP	R	CP80	D Chorus	Clean Amp	Rich Hall	—	off
			L	DX Legend	ENSEMBLE DETUNE	Clean Amp		—	
			TRACK	Phrase: ContempBld Kit: Standard 1	—	—		off	
PRE 1	C10	Rock CP	R	CP88	CLASSIC FLANGER	Clean Amp	Rich Hall	—	on
			L	FingerBa 1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: ContmpRock Kit: Rock	—	—		on	
PRE 1	D01	DXLegend 1	R	DX Legend	816Chorus	Clean Amp	Rich Hall	—	off
			L	Str Pad	TEMPO DELAY STEREO	Clean Amp		—	
			TRACK	Phrase: CaribRock Kit: Analog	—	—		off	
PRE 1	D02	FullTine	R	DX FTime	816Chorus	Clean Amp	Rich Hall	—	off
			L	60's Clean	SPX CHORUS	Clean Amp		—	
			TRACK	Phrase: WestCoast Kit: Analog	—	—		off	
PRE 1	D03	DX Woody	R	DX Woody	816Chorus	Clean Amp	Rich Hall	—	off
			L	Bell Pad 1	TEMPO DELAY STEREO	Clean Amp		—	
			TRACK	Phrase: CaribRock Kit: Electronic	—	—		off	
PRE 1	D04	FM Mellow	R	DX Mellow	816Chorus	Clean Amp	Rich Hall	—	off
			L	Vapor	ENSEMBLE DETUNE	Clean Amp		—	
			TRACK	Phrase: Clsc16Beat Kit: Standard 1	—	—		off	
PRE 1	D05	DX7IIChrus	R	DX 7 II	2 MODULATOR	Clean Amp	Rich Hall	—	off
			L	Syn Str 1	TEMPO DELAY STEREO	Clean Amp		—	
			TRACK	Phrase: RockBld2 Kit: Rock	—	—		off	
PRE 1	D06	DXLegend 2	R	DX Mellow	816Chorus	Clean Amp	Rich Hall	—	off
			L	DX Legend	816Chorus	Clean Amp		—	
			TRACK	Phrase: CaribRock Kit: Dance	—	—		off	
PRE 1	D07	DX+DigiBel	R	DigiBell 2	ENSEMBLE DETUNE	Clean Amp	Rich Hall	—	off
			L	DX Woody	816Chorus	Clean Amp		—	
			TRACK	Phrase: PopNewAge Kit: Standard 1	—	—		off	
PRE 1	D08	DX+AnaPad	R	DX Legend	816Chorus	Clean Amp	Rich Hall	—	off
			L	Soft Pad 1	ENSEMBLE DETUNE	Clean Amp		—	
			TRACK	Phrase: PopNewAge Kit: Standard 1	—	—		off	
PRE 1	D09	Ballad DX	R	DX Woody	SPX CHORUS	Clean Amp	Rich Hall	—	on
			L	FlangeBa 2	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: RockBld2 Kit: Electronic	—	—		on	
PRE 1	D10	80s Pop	R	DX Woody	816Chorus	Clean Amp	Rich Hall	—	on
			L	SynthBass2	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: 8Beat Kit: Electronic	—	—		on	

CP50 Performance List

Table with columns: Bank, No., Performance Name, Part, Voice/Drum pattern, Modulation Effect, Power Amp, Reverb, Auto Key On Start (all key), Split. Rows include PRE 2 A01 to PRE 2 B10.

Table with columns: Bank, No., Performance Name, Part, Voice/Drum pattern, Modulation Effect, Power Amp, Reverb, Auto Key On Start (all key), Split. Rows include PRE 2 C01 to PRE 2 D10.

CP50 Performance List

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 3	A01	Fat B	R	Soft Organ	ROTARY SPEAKER	Clean Amp	Rich Hall	—	off
			L	Slow Str 2	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: Gospel2 Kit: Standard 1	—	—		off	
PRE 3	A02	Rotary B	R	RotaryOrg	TREMOLO	Clean Amp	Rich Room	—	off
			L	7SRd 1	DELAY LR	Clean Amp		—	
			TRACK	Phrase: SoulShfle Kit: Standard 1	—	—		off	
PRE 3	A03	ChurchDrbr	R	EvenBarOrg	ROTARY SPEAKER	Clean Amp	Rich Hall	—	off
			L	PipeOrgan1	ENSEMBLE DETUNE	Clean Amp		—	
			TRACK	Phrase: RockBld2 Kit: Standard 1	—	—		off	
PRE 3	A04	OrComp/Dst	R	JazzOrgan	AMP SIMULATOR 1	Clean Amp	Rich Room	—	on
			L	Soft Organ	AMP SIMULATOR 1	Clean Amp		—	
			TRACK	Phrase: RockBld1 Kit: Rock	—	—		off	
PRE 3	A05	Latin B	R	Perc.Organ	ROTARY SPEAKER	Clean Amp	Room1	—	on
			L	FingerBa 1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: CaribRock Kit: Standard 1	—	—		on	
PRE 3	A06	PrgRokOrgn	R	Rock Perc	ROTARY SPEAKER	Clean Amp	Rich Hall	—	on
			L	PickBa 0	LO-FI	Clean Amp		—	
			TRACK	Phrase: BritPopSwg Kit: Rock	—	—		on	
PRE 3	A07	Transistor	R	1967 Keys	TREMOLO	Clean Amp	Rich Plate	—	off
			L	Tango	TREMOLO	Clean Amp		—	
			TRACK	Phrase: Dixieland Kit: Standard 1	—	—		off	
PRE 3	A08	Compact	R	Compact	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	60's Str	DELAY LR	Clean Amp		—	
			TRACK	Phrase: 70'sBld1 Kit: Standard 1	—	—		off	
PRE 3	A09	PetitOrg	R	Petit	ROTARY SPEAKER	Clean Amp	Rich Plate	—	off
			L	CP88	AMP SIMULATOR 1	Clean Amp		—	
			TRACK	Phrase: CaribRock Kit: Standard 1	—	—		off	
PRE 3	A10	BigChurch	R	ChurchOrg1	G CHORUS	Clean Amp	Rich Hall	—	off
			L	EvenBarOrg	G CHORUS	Clean Amp		—	
			TRACK	Phrase: 70'sDisco Kit: Analog	—	—		off	
PRE 3	B01	Nylon	R	Nylon Gt 1	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Darklight	TEMPO DELAY MONO	Clean Amp		—	
			TRACK	Phrase: BritPop Kit: Brush	—	—		off	
PRE 3	B02	Steel6	R	Steel Gt 1	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Choir Aah	DELAY LR	Clean Amp		—	
			TRACK	Phrase: Country8Bt Kit: Standard 1	—	—		off	
PRE 3	B03	Steel12	R	Steel Gt 1	ENSEMBLE DETUNE	Clean Amp	Rich Hall	—	off
			L	Steel Gt 1	ENSEMBLE DETUNE	Clean Amp		—	
			TRACK	Phrase: Unplugged2 Kit: Standard 1	—	—		off	
PRE 3	B04	GuitarBack	R	Clean Gt 1	SPX CHORUS	Clean Amp	Room1	—	off
			L	Steel Gt 1	HARMONIC ENHANCER	Clean Amp		—	
			TRACK	Phrase: 8Beat Kit: Rock	—	—		off	
PRE 3	B05	RockLdGtr	R	Dist Gt 1	COMP DISTORTION DELAY	Clean Amp	Rich Hall	—	off
			L	Dist Gt 2	COMP DISTORTION DELAY	Clean Amp		—	
			TRACK	Phrase: 8Beat Kit: Rock	—	—		off	
PRE 3	B06	Vibes	R	Vibraphone	TREMOLO	Clean Amp	Rich Room	—	off
			L	HardVibes	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: PianoJazz Kit: Brush	—	—		off	
PRE 3	B07	Jazz Vibes	R	HardVibes	TREMOLO	Clean Amp	Rich Room	—	on
			L	AcousticBa	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: PianoJazz Kit: Brush	—	—		on	
PRE 3	B08	MarimbaJoy	R	Marimba 1	VCM EQ 501	Clean Amp	Rich Room	—	on
			L	FlangeBa 1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: AfroCuban Kit: Hit	—	—		on	
PRE 3	B09	ChurchBell	R	Glocken	EARLY REFLECTION	Clean Amp	Rich Hall	—	on
			L	Carillon	PITCH CHANGE	Clean Amp		—	
			TRACK	Phrase: Reggae Kit: Analog19	—	—		off	
PRE 3	B10	St/Celesta	R	Celesta	VCM EQ 501	Clean Amp	Rich Hall	—	on
			L	Strings 1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: 16BeatPop Kit: Hip Hop	—	—		off	

Bank	No.	Performance Name	Part	Voice/Drum pattern	Modulation Effect	Power Amp	Reverb	Auto Key On Start (all key)	Split
PRE 3	C01	Kosmos	R	VP Soft	ENSEMBLE DETUNE	Clean Amp	Rich Hall	—	off
			L	ZEN	DYNAMIC RING MODULATOR	Clean Amp		—	
			TRACK	Phrase: Chillout2 Kit: Analog	—	—		off	
PRE 3	C02	DarkNight	R	Darklight	AUTO PAN	Clean Amp	Rich Plate	—	off
			L	GlassPad	TEMPO FLANGER	Clean Amp		—	
			TRACK	Phrase: Chillout1 Kit: Analog	—	—		off	
PRE 3	C03	Ether	R	SlwAttrem	EARLY REFLECTION	Clean Amp	Rich Hall	—	off
			L	Amb Pad	EARLY REFLECTION	Clean Amp		—	
			TRACK	Phrase: ContempBld Kit: Standard 1	—	—		off	
PRE 3	C04	AnaGroovey	R	Analog Str	MAX90	Clean Amp	Rich Plate	—	on
			L	BobbyBass	CLASSIC COMPRESSOR	Clean Amp		—	
			TRACK	Phrase: 70'sDisco Kit: Analog	—	—		on	
PRE 3	C05	Choirs	R	Choir Aah	VCM EQ 501	Clean Amp	Rich Plate	—	off
			L	Itopia	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: 6-8SlowRk Kit: Standard 2	—	—		off	
PRE 3	C06	Choir+Str	R	Choir 2	ENSEMBLE DETUNE	Clean Amp	Rich Plate	—	off
			L	Orchestra2	ENSEMBLE DETUNE	Clean Amp		—	
			TRACK	Phrase: 70'sBld2 Kit: Analog	—	—		off	
PRE 3	C07	Strings1	R	Sweet Vn	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Slow Str 1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: 12-8Ballad Kit: Standard 2	—	—		off	
PRE 3	C08	Strings2	R	Strings 2	G CHORUS	Clean Amp	Rich Hall	—	off
			L	Quartet	LO-FI	Clean Amp		—	
			TRACK	Phrase: CoolJzBld Kit: Brush	—	—		off	
PRE 3	C09	Strings+Vn	R	Sweet Vn	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Orchestra1	TEMPO DELAY STEREO	Clean Amp		—	
			TRACK	Phrase: ModernR&B Kit: Break	—	—		off	
PRE 3	C10	AnaStrings	R	Syn Str 3	Symphonic	Clean Amp	Rich Hall	—	off
			L	Orchestra1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: NewR&B Kit: Hip Hop	—	—		off	
PRE 3	D01	Harp	R	Harp	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Celestial	LO-FI	Clean Amp		—	
			TRACK	Phrase: FastBossa Kit: Standard 2	—	—		off	
PRE 3	D02	BrassSect1	R	BrassSect1	VCM EQ 501	Clean Amp	Rich Plate	—	off
			L	Tb Section	TEMPO DELAY STEREO	Clean Amp		—	
			TRACK	Phrase: ModernR&B Kit: Analog19	—	—		off	
PRE 3	D03	BrassSect2	R	BrassSect2	VCM EQ 501	Clean Amp	Stage1	—	off
			L	Tb Section	ISOLATOR	Clean Amp		—	
			TRACK	Phrase: Chillout1 Kit: Hit	—	—		off	
PRE 3	D04	Brass+Sax	R	BrassSect3	VCM EQ 501	Clean Amp	Room1	—	off
			L	BrassSect1	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: Rock&Roll Kit: Dance	—	—		off	
PRE 3	D05	Polybrass	R	FaatDance	G CHORUS	Clean Amp	Rich Hall	—	off
			L	OberBrass3	DELAY LCR	Clean Amp		—	
			TRACK	Phrase: 8Beat Kit: Rock	—	—		off	
PRE 3	D06	AnalogHorn	R	OberBrass1	TEMPO DELAY STEREO	Clean Amp	Rich Hall	—	off
			L	OberBrass2	816Chorus	Clean Amp		—	
			TRACK	Phrase: RockShfle Kit: Standard 1	—	—		off	
PRE 3	D07	Horn Orch	R	Orchestra1	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	FrenchHorn	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: RockBld2 Kit: Hip Hop	—	—		off	
PRE 3	D08	Brass Orch	R	Horn+Str 1	VCM EQ 501	Clean Amp	Rich Hall	—	off
			L	Trumpet	ENSEMBLE DETUNE	Clean Amp		—	
			TRACK	Phrase: AcousticJz Kit: Brush	—	—		off	
PRE 3	D09	Bell Orch	R	Horn+Str 1	VCM EQ 501	Clean Amp	Rich Plate	—	off
			L	Glocken	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: Unplugged1 Kit: Standard 2	—	—		off	
PRE 3	D10	Woodwinds	R	Flute 1	LO-FI	Clean Amp	Rich Hall	—	off
			L	Bassoon	VCM EQ 501	Clean Amp		—	
			TRACK	Phrase: 70'sBld2 Kit: Standard 2	—	—		off	

— : Parts turned off by default.

Voice List

CP5 Voice List

Category	Voice No.	Voice Name
Piano	1	CF Grand
	2	S6 Grand
E.Piano	1	CP80
	2	CP88
	3	71Rd I
	4	73Rd I
	5	75Rd I
	6	78Rd II
	7	Dyno
	8	69Wr
	9	77Wr
	10	DX Legend
	11	DX Woody
	12	DX FTine
	13	DX 7 II
	14	DX Mellow
	15	DX Crisp
Keyboard	1	Clavi
	2	Clavi ST
	3	Clavi Mt
	4	Harpsi 1
	5	Harpsi 2
	6	RockRotar2
	7	Full CV
	8	Rotary Vel
	9	Progressiv
	10	RockOrgan1
	11	DrawOrg 2
	12	60sOrgan 3
	13	LightOrgan
	14	RockOrgan2
	15	60sOrgan 4
	16	RotaryOrg
	17	FastRotarC
	18	RockRotar1
	19	DetPercOrg
	20	DrawOrg 1
	21	Perc.Organ
	22	Vintage C
	23	Rock Perc
	24	EvenBarOrg
	25	Soft Organ
	26	JazzOrgan
	27	Petit
	28	70sPercOrg
	29	60sOrgan 1
	30	60sOrgan 2
	31	1967 Keys
	32	Compact
	33	Panther
	34	Saw Combo
	35	PipeOrganT
	36	ChurchOrg2
	37	PipeOrgan4
	38	Bandoneon
	39	ChurchOrg1
	40	PipeOrgan1
	41	PipeOrgan2
	42	PipeOrgan3
	43	Puff Organ
	44	Trem.Organ
	45	Musette
	46	Tango
	47	Celesta
	48	Orgel

Category	Voice No.	Voice Name
Guitar	1	Nylon Gt 1
	2	Nylon+Harm
	3	Steel Gt 1
	4	12StrGt 1
	5	12StrGt 2
	6	Clean Gt 1
	7	60's Clean
	8	FunkGuitar
	9	Clean Gt 3
	10	12StrClean
	11	Dist Gt 1
	12	OverTheTop
	13	Crunch Gt
	14	Crunch Oct
	15	Mute Dist
	16	JazzGuitar
	17	Nylon Gt 2
	18	Steel Gt 2
	19	Clean Gt 2
	20	Dist Gt 2
	21	HawaiianGt
	22	Banjo
	23	Mandolin
	24	DigiBell 3
	25	Bell Harp
	26	TubularBel
	27	SftCrystal
	28	RoundGlock
	29	Marimba 2
	30	Vib ST
	31	Dulcimer
	32	SteelDrums
	33	Agogo
	34	Glocken
	35	AirBells
	36	DigiBell 1
	37	Star Dust
	38	DigiBell 2
	39	Carillon
	40	Vibraphone
	41	HardVibes
	42	Marimba 1
	43	Balimba
	44	MusicBox
	45	Xylophone
	46	Kalimba
	47	Kanoon
	48	Shamisen
	49	Sitar
Bass	1	AcousticBa
	2	FingerBa 2
	3	FingerBa 1
	4	FlangeBa 1
	5	FlangeBa 2
	6	PickBa OM
	7	PickBa M
	8	PickBa O
	9	Slap Bass
	10	Fretless 1
	11	Fretless 2
	12	SynthBass5
	13	Big Bass
	14	101 Bass
	15	Competitor
	16	PercPunch

Category	Voice No.	Voice Name	
Bass	17	SynthBass6	
	18	TranceBass	
	19	Dark Bass	
	20	ClickSynBa	
	21	SynthBass1	
	22	SynthBass2	
	23	SynthBass3	
	24	AcidBass	
	25	SynthBass4	
	26	SquareBass	
	27	Long Spit	
	28	FundamentI	
	29	One Voice	
	30	Fat Sine	
	31	FatSineRes	
	32	BobbyBass	
	33	A.Ba + Cym	
	34	E.Ba + Cym	
	Pads/Choirs	1	NeoCrystal
		2	Bell Pad 2
		3	SharpTeeth
		4	Ring Pad
		5	Analog Pad
		6	LFO Pad
		7	Chill Scap
		8	Str Pad
		9	Back Pad
		10	Planet
		11	Atmosphere
		12	Click Pad
		13	Harp Vox
		14	Pad 80
		15	Poly Pad
		16	Glass Harp
17		Bell Pad 1	
18		Digi Stuff	
19		NewAgePad	
20		Darklight	
21		Vapor	
22		Soft Pad 1	
23		VP Soft	
24		GlassPad	
25		Soft Pad 2	
26		SinePad	
27		Echoes	
28		Amb Pad	
29		Pan Pad	
30		Sci-Fi	
31		Big Pan	
32		Goblins	
33		SweepPad 1	
34		GoblinsSyn	
35		Celestial	
36		Converge	
37		Creation	
38		SweepPad 2	
39		Da Pad	
40		Ancestral	
41		Soundtrack	
42		Echo Pad	
43		Rain	
44		Dark Star	
45		Mind Bell	
46		Choir 1	
47		Air Choir	

CP5 Voice List

Category	Voice No.	Voice Name
Pads/Choirs	48	Choir Aah
	49	Choir 2
	50	VoiceOohs1
	51	Itopia
	52	Choir 3
	53	Slow Vox
	54	Slow Choir
	55	VoiceOohs2
	56	Twist
57	ZEN	
Strings	1	Velo Str
	2	SectionSt4
	3	Warm Str
	4	Flute+Str
	5	TremOrchst
	6	Trem+Horn
	7	70's Str 2
	8	SectionSt1
	9	SectionSt2
	10	Orchestra1
	11	SectionSt3
	12	ArcoString
	13	Strings 1
	14	Strings 2
	15	Orchestra2
	16	Strings 3
	17	Orchestra3
	18	Slow Str 1
	19	Legato Str
	20	Slow Str 2
	21	SlwAtTrem
	22	Trem Str
	23	Pizzicato
	24	Quartet
	25	Sweet Vn
	26	Harp
	27	Light Pad
	28	Slow Str 3
	29	Syn Str 1
	30	Analog Str
	31	Syn Str 2
	32	Syn Str 3
	33	60's Str
	34	70's Str 1
	35	Tron Str
Synth	1	DancyHook
	2	FaaatDance
	3	TechnoBrss
	4	After 1984
	5	AnalogLd 3
	6	Saw Lead 3
	7	Wire Lead
	8	Big Lead 2
	9	AnalogLd 4
	10	Early Lead
	11	Trojan
	12	Punch Lead
	13	Soft RnB
	14	Popcorn
	15	Impact
	16	Synth Tp
	17	AnalogLd 1
	18	Big Lead 1
	19	DynmicMini
	20	Crying

Category	Voice No.	Voice Name	
Synth	21	Saw Lead 1	
	22	Digital Ld	
	23	Mini Three	
	24	Sky Walk	
	25	AnalogLd 2	
	26	Saw Lead 2	
	27	Mini Soft	
	28	Inda Night	
	29	Orbit Sine	
	30	Tiny Lead	
	31	Syn Whistl	
	32	Raplead	
	33	FunkLead 1	
	34	RezzPunch	
	35	FunkLead 2	
	36	SquareLd 1	
	37	SquareLd 2	
	38	Voice Lead	
	39	Wind Lead	
	40	CalliopeLd	
	Brass	1	BrassSect4
		2	SaxSection
		3	High Brass
		4	5th Horns
		5	Horn+Str 2
		6	Sweet Tp
		7	Tp&TbSect
		8	Sfz Brass
		9	BrassSect1
		10	BrassSect2
		11	BrassSect3
		12	MellowBr 1
		13	MellowBr 2
		14	Soft Brass
		15	FrenchHorn
		16	Horn+Str 1
		17	Brass+Str
		18	Trumpet
		19	Tb Section
		20	SoftSynBr1
21		SoftSynBr2	
22		SynthBrass	
23		Big Squish	
24		AnalogBrss	
25		OberBrass1	
26		OberBrass2	
27		OberBrass3	
28		Funky Poly	
29		ChoirBrass	
Woodwind	1	Sweet Alto	
	2	Flute 2	
	3	Bottle	
	4	Alto Sax	
	5	Tenor Sax	
	6	Flute 1	
	7	Recorder	
	8	Clarinet	
	9	Oboe	
	10	Bassoon	
	11	Harmonica	
	12	Ocarina	
	13	PanFlute	
	14	Shakuhachi	
	15	Bagpipe	

CP50 Voice List

Category	Voice No.	Voice Name
Piano	1	CF Grand
E.Piano	1	CP80
	2	CP88
	3	75Rd I
	4	69Wr
	5	77Wr
	6	DX Legend
	7	DX Woody
	8	DX FTine
	9	DX 7 II
	10	DX Mellow
	11	DX Crisp
Keyboard	1	Clavi
	2	Clavi ST
	3	Clavi Mt
	4	Harpsi 1
	5	Harpsi 2
	6	RotaryOrg
	7	FastRotarC
	8	RockRotar1
	9	DetPercOrg
	10	DrawOrg 1
	11	Perc.Organ
	12	Vintage C
	13	Rock Perc
	14	EvenBarOrg
	15	Soft Organ
	16	JazzOrgan
	17	Petit
	18	70sPercOrg
	19	60sOrgan 1
	20	60sOrgan 2
	21	1967 Keys
	22	Compact
	23	Panther
	24	Saw Combo
	25	ChurchOrg1
	26	PipeOrgan1
	27	PipeOrgan2
	28	PipeOrgan3
	29	Puff Organ
	30	Trem.Organ
	31	Musette
	32	Tango
	33	Celesta
	34	Orgel
Guitar	1	Nylon Gt 1
	2	Steel Gt 1
	3	Clean Gt 1
	4	60's Clean
	5	Dist Gt 1
	6	Nylon Gt 2
	7	Steel Gt 2
	8	Clean Gt 2
	9	Dist Gt 2
	10	Glocken
	11	AirBells
	12	DigiBell 1
	13	Star Dust
	14	DigiBell 2
	15	Carillon
	16	Vibraphone
	17	HardVibes
	18	Marimba 1
	19	Balimba

Category	Voice No.	Voice Name
Guitar	20	MusicBox
	21	Xylophone
	22	Kalimba
	23	Kanoon
	24	Shamisen
	25	Sitar
	Bass	1
2		FingerBa 1
3		FlangeBa 1
4		FlangeBa 2
5		PickBa OM
6		PickBa M
7		PickBa O
8		Slap Bass
9		Fretless 1
10		Fretless 2
11		ClickSynBa
12		SynthBass1
13		SynthBass2
14		SynthBass3
15		AcidBass
16		SynthBass4
17		SquareBass
18		Long Spit
19		Fundamentl
20		One Voice
21		Fat Sine
22		FatSineRes
23		BobbyBass
24		A.Ba + Cym
25		E.Ba + Cym
Pads/Choirs	1	Str Pad
	2	Back Pad
	3	Planet
	4	Atmosphere
	5	Click Pad
	6	Harp Vox
	7	Pad 80
	8	Poly Pad
	9	Glass Harp
	10	Bell Pad 1
	11	Digi Stuff
	12	NewAgePad
	13	Darklight
	14	Vapor
	15	Soft Pad 1
	16	VP Soft
	17	GlassPad
	18	Soft Pad 2
	19	SinePad
	20	Echoes
	21	Amb Pad
	22	Pan Pad
	23	Sci-Fi
	24	Big Pan
	25	Goblins
	26	SweepPad 1
	27	GoblinsSyn
	28	Celestial
	29	Converge
	30	Creation
	31	SweepPad 2
	32	Da Pad
	33	Ancestral
	34	Soundtrack

Category	Voice No.	Voice Name
Pads/Choirs	35	Echo Pad
	36	Rain
	37	Dark Star
	38	Mind Bell
	39	Choir 1
	40	Air Choir
	41	Choir Aah
	42	Choir 2
	43	VoiceOohs1
	44	Itopia
	45	Twist
46	ZEN	
Strings	1	SectionSt1
	2	SectionSt2
	3	Orchestra1
	4	SectionSt3
	5	ArcoString
	6	Strings 1
	7	Strings 2
	8	Orchestra2
	9	Strings 3
	10	Orchestra3
	11	Slow Str 1
	12	Legato Str
	13	Slow Str 2
	14	StwAtTrem
	15	Trem Str
	16	Pizzicato
	17	Quartet
	18	Sweet Vn
	19	Harp
Synth	20	Syn Str 1
	21	Analog Str
	22	Syn Str 2
	23	Syn Str 3
	24	60's Str
	25	70's Str 1
	26	Tron Str
	1	DancyHook
	2	FaaatDance
	3	TechnoBrss
	4	After 1984
	5	Synth Tp
	6	AnalogLd 1
	7	Big Lead 1
	8	DynmicMini
	9	Crying
	10	Saw Lead 1
	11	Digital Ld
	12	Mini Three
	13	Sky Walk
	14	AnalogLd 2
	15	Saw Lead 2
	16	Mini Soft
	17	Inda Night
	18	Orbit Sine
	19	Tiny Lead
	20	Syn Whistl
21	Raplead	
22	FunkLead 1	
23	RezzPunch	
24	FunkLead 2	
25	SquareLd 1	
26	SquareLd 2	
27	Voice Lead	

CP50 Voice List

Category	Voice No.	Voice Name
Synth	28	Wind Lead
	29	CalliopeLd
Brass	1	BrassSect1
	2	BrassSect2
	3	BrassSect3
	4	Sfz Brass
	5	MellowBr 1
	6	MellowBr 2
	7	Soft Brass
	8	FrenchHorn
	9	Horn+Str 1
	10	Brass+Str
	11	Trumpet
	12	Tb Section
	13	SynthBrass
	14	Big Squish
	15	AnalogBrss
	16	OberBrass1
	17	OberBrass2
	18	OberBrass3
	19	Funky Poly
	20	ChoirBrass
Woodwind	1	Alto Sax
	2	Tenor Sax
	3	Flute 1
	4	Recorder
	5	Clarinet
	6	Oboe
	7	Bassoon
	8	Harmonica
	9	Ocarina
	10	PanFlute
	11	Shakuhachi
	12	Bagpipe

Preset Drum Phrase List

Category	Phrase No.	Phrase Name	Time Signature	Original Tempo	Suitable Kit
Rock/Pop	1	8Beat	4/4	97	Room
	2	EasyPop	4/4	110	Standard 1
	3	ContmpRock	4/4	126	Standard 1
	4	AcousticRk	4/4	90	Rock
	5	FunkPpRock	4/4	95	Standard 2
	6	PowerRock1	4/4	121	Standard 1
	7	PowerRock2	4/4	112	Standard 2
	8	BritPop	4/4	86	Brush
	9	BritPopSwg	4/4	110	Standard 2
	10	UKSoulPop	4/4	96	Hip Hop
	11	8BitModern	4/4	92	Dance
	12	CaribRock	4/4	138	Standard 1
	13	WestCoast	4/4	100	Standard 2
	14	Clsc16Beat	4/4	99	Standard 1
	15	KoolShuffle	4/4	100	Standard 1
	16	PopShuffle	4/4	90	Hip Hop
	17	ScandPpShf	4/4	146	Standard 2
	18	RockShuffle	4/4	121	Standard 2
	19	60'sSwing	4/4	124	Standard 2
	20	60'sPnoPop	4/4	116	Standard 1
	21	VintagePop	4/4	132	Jazz
	22	BubbglmPop	4/4	128	Standard 2
Ballad	23	Unplugged1	4/4	120	Standard 1
	24	Unplugged2	4/4	120	Standard 1
	25	8BeatBld1	4/4	84	Standard 1
	26	8BeatBld2	4/4	100	Brush
	27	RockBld1	4/4	61	Rock
	28	RockBld2	4/4	72	Standard 2
	29	70'sBld1	4/4	69	Standard 1
	30	70'sBld2	4/4	72	Standard 1
	31	EPBallad	4/4	60	Standard 2
	32	16BeatBld1	4/4	60	Standard 2
	33	16BeatBld2	4/4	70	Standard 1
	34	CoolBallad	4/4	80	Standard 1
	35	ContempBld	4/4	77	Analog
	36	16BeatPop	4/4	80	Standard 1
	37	Slow&Easy	4/4	72	Dance
	38	Chillout1	4/4	79	Standard 2
	39	Chillout2	4/4	88	Hit
	40	Chillout3	4/4	80	Break
	41	6-8SlowRk	4/4	73	Standard 1
	42	6-8Modern	4/4	64	Standard 1
	43	12-8Ballad	4/4	72	Standard 1
	44	PopWaltz	3/4	94	Standard 1
	45	AnalogBld	4/4	76	Analog
	46	PopNewAge	4/4	66	Standard 2
	47	MdmPopBld	4/4	60	Break
R&B/HipHop	48	SoulR&B	4/4	54	Hip Hop
	49	SmoothBld	4/4	87	Standard 1
	50	R&BSoulBld	4/4	85	Dance

Category	Phrase No.	Phrase Name	Time Signature	Original Tempo	Suitable Kit
R&B/HipHop	51	ChartBld	4/4	61	Analog
	52	NewR&B Bld	4/4	76	Break
	53	NewR&B	4/4	97	Hip Hop
	54	ModernR&B	4/4	98	Analog
	55	ClscHipHop	4/4	93	Dance
	56	NewHipHop	4/4	85	Hip Hop
	57	EuroHipHop	4/4	94	Break
	58	USHipHop	4/4	104	Hip Hop
Dance	59	House	4/4	125	AnalogT9
	60	Garage	4/4	125	Break
	61	TrancePop	4/4	130	AnalogT9
	62	Dancehall	4/4	103	Break
	63	70'sDisco	4/4	120	Standard 2
Classic R&B	64	JazzFunk	4/4	120	Standard 2
	65	SoulBeat	4/4	124	Standard 1
	66	FrnklySoul	4/4	128	Standard 2
	67	Rock&Roll	4/4	172	Standard 1
	68	OldiesR&R	4/4	180	Brush
	69	DetroitPp1	4/4	172	Standard 1
	70	DetroitPp2	4/4	118	Standard 2
	71	SoulShuffle	4/4	98	Standard 1
	72	SlowBlues	4/4	49	Standard 2
	73	Gospel1	3/4	90	Standard 2
	74	Gospel2	3/4	72	Standard 1
	75	PnoBoogie	4/4	160	Standard 1
	Country	76	Country8Bt	4/4	136
77		CountryBld	4/4	72	Standard 1
78		CountryShf	4/4	126	Standard 1
79		CountryWlz	3/4	140	Brush
80		Bluegrass	4/4	140	Brush
Jazz	81	ModernJazz	4/4	218	Standard 1
	82	AcousticJz	4/4	152	Brush
	83	CoolJazz	4/4	120	Standard 1
	84	BigBand	4/4	144	Standard 1
	85	PianoJazz	4/4	123	Brush
	86	CoolJzBld	4/4	70	Brush
	87	JazzBallad	4/4	61	Brush
	88	JzWltzSlow	3/4	110	Brush
	89	JzWltzMed	3/4	180	Standard 2
	90	JzWltzFast	3/4	194	Brush
	91	Five-Four	5/4	168	Brush
	92	Dixieland	4/4	224	Standard 2
	93	Ragtime	4/4	176	Standard 2
	94	AfroCuban	4/4	200	Standard 1
World	95	Salsa	4/4	123	Standard 1
	96	Samba	4/4	96	Standard 2
	97	BossaNova	4/4	124	Brush
	98	FastBossa	4/4	175	Standard 1
	99	RockChaCha	4/4	120	Standard 2
	100	Reggae	4/4	90	Standard 1

Preset Drum Kit List

Kit No.	Kit name
1	Standard 1
2	Standard 2
3	Brush
4	Classic
5	Hip Hop
6	Break
7	AnalogT9
8	Hit
9	Room
10	Rock
11	Electronic
12	Analog
13	Dance
14	Jazz

Pre-Amplifier Block

Pre-Amplifier Block Parameter List

Piano Category

[1] CF Grand,

[2] S6 Grand (CP5 only)

No.	Parameter	Range	Value
Piano Parameters			
1	Decay (Decay Time)	-16 – +16	0 – 127
2	Release (Release Time)	-16 – +16	0 – 127
3	Key-off (Key-off Noise Level)	-16 – +16	48 – 80
4	---		
5	Hammer (Hammer Stiffness) *1	Soft2, Soft1, Normal, Hard1, Hard2	62 – 66
Pre-amplifier Parameters			
1	---		
2	---		
3	---		
4	---		
5	---		
6	---		
7	---		
8	---		
9	---		
10	Damper Resonance Level	-16 – +16	10 – 42
11	---		
12	---		
13	---		
14	---		
15	---		
16	---		

E. Piano Category

[1] CP80

[2] CP88

No.	Parameter	Range	Value
Piano Parameters			
1	Decay (Decay Time)	-16 – +16	0 – 127
2	Release (Release Time)	-16 – +16	0 – 127
3	Key-off (Key-off Noise Level)	-16 – +16	48 – 80
4	---		
5	Hammer (Hammer Stiffness)*1	Soft2, Soft1, Normal, Hard1, or Hard2	62 – 66
Pre-amplifier Parameters			
1	Bass	0 – 10.0	0 – 50
2	Middle	0 – 10.0	0 – 50
3	Treble	0 – 10.0	0 – 50
4	Brilliance	Low, Medium, High	0 – 2
5	Volume	0 – 127	0 – 127
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	---		
15	Input Gain	-18.0dB – +4.0dB	28 – 72
16	---		

[3] 71Rd I (CP5 only)

[4] 73Rd I (CP5 only)

[5] 75Rd I

No.	Parameter	Range	Value
Piano Type Parameters			
1	Decay (Decay Time)	-16 – +16	0 – 127
2	Release (Release Time)	-16 – +16	0 – 127
3	Key-off (Key-off Noise Level)	-16 – +16	48 – 80
4	StrkPos (Striking Position)	Top3 to Top1, Default, or Rear1 to Rear3	61 – 67
5	Hammer (Hammer Stiffness) *1	Soft2, Soft1, Normal, Hard1, or Hard2	62 – 66
Pre-amplifier Parameters			
1	Bass	-10.0 – +10.0	0 – 50
2	Treble	-10.0 – +10.0	0 – 50
3	Vibrato Depth	0 – 10.0	0 – 50
4	Vibrato Speed	0 – 10.0	0 – 50
5	Volume	0 – 127	0 – 127
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	---		
15	Input Gain	-18.0dB – +4.0dB	28 – 72
16	---		

[10] 78Rd II (CP5 only)

No.	Parameter	Range	Value
Piano Parameters			
1	Decay (Decay Time)	-16 – +16	0 – 127
2	Release (Release Time)	-16 – +16	0 – 127
3	Key-off (Key-off Noise Level)	-16 – +16	48 – 80
4	StrkPos (Striking Position)	Top3 to Top1, Default, or Rear1 to Rear3	61 – 67
5	Hammer (Hammer Stiffness)	Soft2, Soft1, Normal, Hard1, or Hard2	62 – 66
Pre-amplifier Parameters			
1	Bass	-10.0 – +10.0	0 – 50
2	Treble	-10.0 – +10.0	0 – 50
3	Vibrato Depth	0 – 10.0	0 – 50
4	Vibrato Speed	0 – 10.0	0 – 50
5	Volume	0 – 127	0 – 127
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	---		
15	Input Gain	-18.0dB – +4.0dB	28 – 72
16	---		

*1: The Hammer parameter is available on the CP5 only.

[11] Dyno (CP5 only)

No.	Parameter	Range	Value
Piano Parameters			
1	Decay (Decay Time)	-16 – +16	0 – 127
2	Release (Release Time)	-16 – +16	0 – 127
3	Key-off (Key-off Noise Level)	-16 – +16	48 – 80
4	StrkPos (Striking Position)	Top3 to Top1, Default, or Rear1 to Rear3	61 – 67
5	Hammer (Hammer Stiffness)	Soft2, Soft1, Normal, Hard1, or Hard2	62 – 66
Pre-amplifier Parameters			
1	Bass Boost	0 – 10.0	0 – 50
2	Normal	0 – 10.0	0 – 50
3	Overtone	0 – 10.0	0 – 50
4	---		
5	Volume	0 – 127	0 – 127
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	---		
15	Input Gain	-18.0dB – +4.0dB	28 – 72
16	---		

[12] 69Wr

[13] 77Wr

No.	Parameter	Range	Value
Piano Parameters			
1	Decay (Decay Time)	-16 – +16	0 – 127
2	Release (Release Time)	-16 – +16	0 – 127
3	Key-off (Key-off Noise Level)	-16 – +16	48 – 80
4	StrkPos (Striking Position)	Top3 to Top1, Default, or Rear1 to Rear3	61 – 67
5	Hammer (Hammer Stiffness)*1	Soft2, Soft1, Normal, Hard1, or Hard2	62 – 66
Pre-amplifier Parameters			
1	Bass	-10.0 – +10.0	0 – 50
2	Mid Boost	0.0 – +10.0	0 – 50
3	Treble	-10.0 – +10.0	0 – 50
4	Vibrato Depth	0-10.0	0 – 50
5	Volume	0 – 127	0 – 127
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	---		
15	Input Gain	-18.0dB – +4.0dB	28 – 72
16	---		

*1: The Hammer parameter is available on the CP5 only.

[14] DX Legend

[15] DX Woody

[16] DX FTine

[17] DX 7 II

[18] DX Mellow

[19] DX Crisp

No.	Parameter	Range	Value
Piano Parameters			
1	Decay (Decay Time)	-16 – +16	0 – 127
2	Release (Release Time)	-16 – +16	0 – 127
3	---		
4	---		
5	---		
Pre-amplifier Parameters			
1	Low	-12.0dB – +12.0dB	40 – 88
2	Low Middle	-12.0dB – +12.0dB	40 – 88
3	High Middle	-12.0dB – +12.0dB	40 – 88
4	High	-12.0dB – +12.0dB	40 – 88
5	Volume	0 – 127	0 – 127
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	---		
15	Input Gain	-18.0dB – +4.0dB	28 – 72
16	---		

Modulation Effect Block

Modulation Effect Type List

	Type name	Type (HEX)	
		MSB	LSB
1	SmallPha (Small Phaser)	20	00
2	Max90	21	00
3	Max100	22	00
4	Flanger	23	00
5	TouchWah (Touch Wah)	24	00
6	PedalWah (Pedal Wah)	25	00
7	Chorus	26	00
8	D Chorus	27	00
9	816Cho (816Chorus)	28	00
10	Sympho (Symphonic)	29	00
11	Other *2	—	—

*2: For more details regarding the Other effect types and the corresponding parameters, see *Effect Type List for Other Group* (page 21) and *Effect Parameter List for Other Group* (page 22).

Modulation Effect Parameter List

[1] SmallPha (Small Phaser)

No.	Parameter	Range	Value	Control
1	Rate	0.092Hz – 16.270Hz (when <i>Color</i> is set to "0.") 0.06Hz – 11.07Hz (when <i>Color</i> is set to "1.")	0 – 127	●
2	Color	0, 1	0 – 1	
3	Drive	0 – 42	0 – 42	
4	---			
5	---			
6	---			
7	---			
8	---			
9	---			
10	---			
11	---			
12	---			
13	---			
13	---			
15	---			
16	---			

[2] MAX90

No.	Parameter	Range	Value	Control
1	Speed	0.100Hz – 10.000Hz	0 – 127	●
2	Type	1, 2	0 – 1	
3	Drive	0 – 127	0 – 127	
4	---			
5	---			
6	---			
7	---			
8	---			
9	---			
10	---			
11	---			
12	---			
13	---			
14	---			
15	---			
16	---			

[3] MAX100

No.	Parameter	Range	Value	Control
1	Speed	0.100Hz – 10.000Hz	0 – 127	●
2	Mode	1, 2, 3, 4	0 – 3	
3	---			
4	---			
5	---			
6	---			
7	---			
8	---			
9	---			
10	---			
11	---			
12	---			
13	---			
14	---			
15	---			
16	---			

[4] Flanger

No.	Parameter	Range	Value	Control
1	Speed	0.040Hz – 10.00Hz	0 – 235	
2	Manual	0 – 127	0 – 127	
3	Depth	0 – 127	0 – 127	
4	Feedback	0 – 127	0 – 127	
5	---			
6	---			
7	Mix	0 – 127	0 – 127	●
8	---			
9	---			
10	---			
11	---			
12	---			
13	---			
14	---			
15	---			
16	---			

[5] TouchWah (Touch Wah)

No.	Parameter	Range	Value	Control
1	Sensitivity	0 – 127	0 – 127	●
2	Bottom	0 – 127	0 – 127	
3	Top	0 – 127	0 – 127	
4	Resonance Offset	-12.0 – +12.0	40 – 88	
5	---			
6	---			
7	Drive	0.0dB – +40.0dB	0 – 80	
8	---			
9	---			
10	---			
11	---			
12	---			
13	---			
14	---			
15	---			
16	---			

[6] PedalWah (Pedal Wah)

No.	Parameter	Range	Value	Control
1	Pedal Control	0 – 127	0 – 127	●
2	Bottom	0 – 127	0 – 127	
3	Top	0 – 127	0 – 127	
4	Resonance Offset	-12.0 – +12.0	40 – 88	
5	---			
6	---			
7	Drive	0.0dB – +40.0dB	0 – 80	
8	---			
9	---			
10	---			
11	---			
12	---			
13	---			
14	---			
15	---			
16	---			

[9] 816Cho (816Chorus)

No.	Parameter	Range	Value	Control
1	Speed	0.100Hz – 10.000Hz	0 – 127	
2	Phase	0, 30, 45, 60, 90, ..., 330	0 – 15	
3	Depth	0 – 127	0 – 127	
4	Feedback	0 – 127	0 – 127	
5	---			
6	---			
7	---			
8	---			
9	---			
10	Mix	1 – 127	1 – 127	●
11	---			
12	---			
13	---			
14	---			
15	---			
16	---			

[7] Chorus

No.	Parameter	Range	Value	Control
1	Speed	0.040Hz – 10.00Hz	0 – 235	
2	---			
3	Depth	0 – 127	0 – 127	
4	---			
5	---			
6	---			
7	Mix	0 – 127	0 – 127	●
8	---			
9	---			
10	---			
11	---			
12	---			
13	---			
14	---			
15	---			
16	---			

[10] Sympho (Symphonic)

No.	Parameter	Range	Value	Control
1	Speed	0.0Hz – 39.7Hz	0 – 127	
2	Depth	0 – 127	0 – 127	
3	Delay	0.0ms – 50.0ms	0 – 127	
4	---			
5	---			
6	---			
7	---			
8	---			
9	---			
10	Mix	1 – 127	1 – 127	●
11	---			
12	---			
13	---			
14	---			
15	---			
16	---			

[8] D Chorus

No.	Parameter	Range	Value	Control
1	Type	Type1 – Type5	0 – 4	
2	---			
3	---			
4	---			
5	---			
6	---			
7	---			
8	---			
9	---			
10	---			
11	---			
12	---			
13	---			
14	---			
15	---			
16	---			

Effect Type List for Other Group

Category	Effect Type Name	Type (HEX)		Mod Effect Power Amp Mic Insertion	Master Comp
		MSB	LSB		
DLY (DELAY)	CrsDly (CROSS DELAY)	02	00	●	
	T-CrsDly (TEMPO CROSS DELAY)	02	10	●	
	T-DlyMono (TEMPO DELAY MONO)	02	20	●	
	T-DlySt (TEMPO DELAY STEREO)	02	28	●	
	DlyLR (DELAY LR)	02	40	●	
	DlyLCR (DELAY LCR)	02	50	●	
	DlyLR(St) {DELAY LR (Stereo)}	02	48	●	
CHO (CHORUS)	G Cho (G CHORUS)	03	00	●	
	2Mod (2 MODULATOR)	03	10	●	
	SPX Cho (SPX CHORUS)	03	20	●	
	Ensemble (ENSEMBLE DETUNE)	03	40	●	
FLG (FLANGER)	ClscFig (CLASSIC FLANGER)	04	10	●	
	T-Flg (TEMPO FLANGER)	04	20	●	
	DynaFig (DYNAMIC FLANGER)	04	30	●	
PHA (PHASER)	T-Pha (TEMPO PHASER)	05	20	●	
	DynaPha (DYNAMIC PHASER)	05	30	●	
T&R (TOREMOLO&ROTARY)	AutoPan (AUTO PAN)	06	00	●	
	Tremolo (TREMOLO)	06	10	●	
	Rotary (ROTARY SPEAKER)	06	20	●	
DST (DISTORTION)	AmpSim1 (AMP SIMULATOR 1)	07	00	●	
	AmpSim2 (AMP SIMULATOR 2)	07	10	●	
	CmpDst (COMP DISTORTION)	07	20	●	
	CmpDst+ (COMP DISTORTION DELAY)	07	30	●	
CMP (COMPRESSOR)	ClscCmp (CLASSIC COMPRESSOR)	08	10	●	
	MCmp (MULTI BAND COMP)	08	20	●	●
L-F (LO-FI)	Lo-Fi (LO-FI)	0B	00	●	
	Noisy (NOISY)	0B	10	●	
	D-Turn (DIGITAL TURNTABLE)	0B	20	●	
TEC (TECH)	RingMod (RING MODULATOR)	0C	00	●	
	DynaRing (DYNAMIC RING MODULATOR)	0C	10	●	
	DynaFlt (DYNAMIC FILTER)	0C	20	●	
	Auto Syn (AUTO SYNTH)	0C	30	●	
	Isoltr (ISOLATOR)	0C	40	●	
	TechMod (TECH MODULATION)	0C	60	●	
MSC (MISC)	EQ501 (EQ 501)	0D	00	●	
	Enhans (HARMONIC ENHANCER)	0D	10	●	
	TalkMod (TALKING MODULATOR)	0D	20	●	
	PchChg (PITCH CHANGE)	0D	40	●	
	ER (EARLY REFLECTION)	0D	50	●	

Effect Parameter List for Other Group Insertion Block

Category — DELAY

[1] CROSS DELAY

No.	Parameter	Range	Value	Control
1	Delay Time L>R	0.1ms – 1638.3ms	(1 – 16383)	●
2	Delay Time R>L	0.1ms – 1638.3ms	(1 – 16383)	
3	Feedback Level	-63 – +63	(1 – 127)	
4	Input Select	L, R, L&R	(0 – 2)	
5	Feedback High Damp	0.1 – 1.0	(1 – 10)	
6	—			
7	—			
8	—			
9	—			
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	—			
12	—			
13	EQ Low Frequency	32Hz – 2.0kHz	(4 – 40)	
14	EQ Low Gain	-12dB – +12dB	(52 – 76)	
15	EQ High Frequency	500Hz – 16.0kHz	(28 – 58)	
16	EQ High Gain	-12dB – +12dB	(52 – 76)	

[2] TEMPO CROSS DELAY

No.	Parameter	Range	Value	Control
1	Delay Time L>R	32nd/3 – 4thx6	(0 – 19)	●
2	Delay Time R>L	32nd/3 – 4thx6	(0 – 19)	
3	Feedback Level	-63 – +63	(1 – 127)	
4	Input Select	L, R, L&R	(0 – 2)	
5	Feedback High Damp	0.1 – 1.0	(1 – 10)	
6	Lag	-63ms – +63ms	(1 – 127)	
7	—			
8	—			
9	—			
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	—			
12	—			
13	—			
14	—			
15	—			

13 – 16: Same as the parameters shaded in gray in CROSS DELAY above.

[3] TEMPO DELAY MONO

No.	Parameter	Range	Value	Control
1	Delay Time	32nd/3 – 4thx6	(0 – 19)	●
2	Feedback Level	-63 – +63	(1 – 127)	
3	Feedback High Damp	0.1 – 1.0	(1 – 10)	
4	L/R Diffusion	-63ms – +63ms	(1 – 127)	
5	Lag	-63ms – +63ms	(1 – 127)	
6	—			
7	—			
8	—			
9	—			
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	—			
12	—			
13	—			
14	—			
15	—			

13 – 16: Same as the parameters shaded in gray in CROSS DELAY above.

[4] TEMPO DELAY STEREO

No.	Parameter	Range	Value	Control
1	Delay Time	32nd/3 – 4thx6	(0 – 19)	●
2	Feedback Level	-63 – +63	(1 – 127)	
3	Feedback High Damp	0.1 – 1.0	(1 – 10)	
4	L/R Diffusion	-63ms – +63ms	(1 – 127)	
5	Lag	-63ms – +63ms	(1 – 127)	
6	—			
7	—			
8	—			
9	—			
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	—			
12	—			
13	—			
14	—			
15	—			

13 – 16: Same as the parameters shaded in gray in CROSS DELAY above.

[5] DELAY L, R

No.	Parameter	Range	Value	Control
1	Delay Time L	0.1ms – 1638.3ms	(1 – 16383)	●
2	Delay Time R	0.1ms – 1638.3ms	(1 – 16383)	
3	Feedback Time 1	0.1ms – 1638.3ms	(1 – 16383)	
4	Feedback Time 2	0.1ms – 1638.3ms	(1 – 16383)	
5	Feedback Level	-63 – +63	(1 – 127)	
6	Feedback 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	—			
14	—			
15	—			

13 – 16: Same as the parameters shaded in gray in CROSS DELAY above.

[6] DELAY L, C, R

No.	Parameter	Range	Value	Control
1	Delay Time L	0.1ms_1638.3ms	(1 – 16383)	●
2	Delay Time R	0.1ms_1638.3ms	(1 – 16383)	
3	Delay Time C	0.1ms_1638.3ms	(1 – 16383)	
4	Feedback Time	0.1ms_1638.3ms	(1 – 16383)	
5	Feedback Level	-63_+63	(1 – 127)	
6	Delay Level C	0_127	(0 – 127)	
7	Feedback 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	—			
14	—			
15	—			

13 – 16: Same as the parameters shaded in gray in CROSS DELAY above.

[7] DELAY L, R (STEREO)

No.	Parameter	Range	Value	Control
1	Delay Time L	0.1ms – 1638.3ms	(1 – 16383)	●
2	Delay Time R	0.1ms – 1638.3ms	(1 – 16383)	
3	Feedback Time L	0.1ms – 1638.3ms	(1 – 16383)	
4	Feedback Time R	0.1ms – 1638.3ms	(1 – 16383)	
5	Feedback Level	-63 – +63	(1 – 127)	
6	Feedback 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	—			
14	—			
15	—			

13 – 16: Same as the parameters shaded in gray in CROSS DELAY above.

Category — CHORUS

[1] G CHORUS

No.	Parameter	Range	Value	Control
1	LFO Speed	0.0Hz – 39.70Hz	(0 – 127)	●
2	—			
3	PM Depth	0 – 127	(0 – 127)	
4	Feedback Level	-63 – +63	(1 – 127)	
5	Delay Offset	0.0ms – 50.0ms	(0 – 127)	
6	—			
7	—			
8	—			
9	—			
10	Dry / Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	EQ Mid Frequency	100Hz – 10.0kHz	(14 – 54)	
12	EQ Mid Gain	-12dB – +12dB	(52 – 76)	
13	EQ Mid Width	0.1 – 12.0	(1 – 120)	
14	—			
15	Input Mode	mono, stereo	(0 – 1)	
16	—			

6 – 9: Same as the parameters shaded in gray in CROSS DELAY above.

[2] 2 MODULATOR

No.	Parameter	Range	Value	Control
1	LFO Speed	0.0Hz – 39.70Hz	(0 – 127)	
2	AM Depth	0 – 127	(0 – 127)	
3	PM Depth	0 – 127	(0 – 127)	
4	Feedback Level	-63 – +63	(1 – 127)	
5	Delay Offset	0.0ms – 50.0ms	(0 – 127)	
6 – 9: Same as the parameters shaded in gray in CROSS DELAY on page 22.				
10	Dry / Wet Balance	D63>W – D=W – D<W63	(1 – 127)	●
11	EQ Mid Frequency	100Hz – 10.0kHz	(14 – 54)	
12	EQ Mid Gain	-12dB – +12dB	(52 – 76)	
13	EQ Mid Width	0.1 – 12.0	(1 – 120)	
14	—			
15	Input Mode	mono, stereo	(0 – 1)	
16	—			

[3] SPX CHORUS

No.	Parameter	Range	Value	Control
1	LFO Speed	0.0Hz – 39.70Hz	(0 – 127)	
2	LFO Depth	0 – 127	(0 – 127)	
3	Feedback Level	-63 – +63	(1 – 127)	
4	Delay Offset	0.0ms – 50.0ms	(0 – 127)	
5	—			
6 – 9: Same as the parameters shaded in gray in CROSS DELAY on page 22.				
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	●
11	EQ Mid Frequency	100Hz – 10.0kHz	(14 – 54)	
12	EQ Mid Gain	-12dB – +12dB	(52 – 76)	
13	EQ Mid Width	0.1 – 12.0	(1 – 120)	
14	—			
15	Input Mode	mono, stereo	(0 – 1)	
16	—			

[4] ENSEMBLE DETUNE

No.	Parameter	Range	Value	Control
1	Detune	-50cent – +50cent	(14 – 114)	
2	Initial Delay Lch	0.0ms – 50.0ms	(0 – 127)	
3	Initial Delay Rch	0.0ms – 50.0ms	(0 – 127)	
4	Spread	0 – 63	(0 – 63)	
5	—			
6	—			
7	—			
8	—			
9	—			
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	●
11 – 14: Same as the parameters shaded in gray in CROSS DELAY on page 22.				
15	—			
16	—			

Category — FLANGER

[1] CLASSIC FLANGER

No.	Parameter	Range	Value	Control
1	LFO Speed	0.0Hz – 39.70Hz	(0 – 127)	
2	LFO Depth	0 – 127	(0 – 127)	
3	LFO Wave	Triangle, Sine, Random	(0 – 2)	
4	Delay Offset	0.09 – 36.21ms	(0 – 139)	
5	Feedback Level	-100 – +100%	(0 – 200)	
6 – 9: Same as the parameters shaded in gray in CROSS DELAY on page 22.				
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	●
11	EQ Mid Frequency	100Hz – 10.0kHz	(14 – 54)	
12	EQ Mid Gain	-12dB – +12dB	(52 – 76)	
13	EQ Mid Width	0.1 – 12.0	(1 – 120)	
14	Modulation Phase	-180 – +180	(0 – 16)	
15	Feedback High Damp	0.1 – 1.0	(1 – 10)	
16	Analog Feel	0 – 10	(0 – 10)	

[2] TEMPO FLANGER

No.	Parameter	Range	Value	Control
1	LFO Speed	16th – 4thx16	(5 – 29)	
2	LFO Depth	0 – 127	(0 – 127)	
3	Feedback Level	-63 – +63	(1 – 127)	
4	Delay Offset	0.0ms – 50.0ms	(0 – 127)	
5	—			
6 – 9: Same as the parameters shaded in gray in CROSS DELAY on page 22.				
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	●
11	EQ Mid Frequency	100Hz – 10.0kHz	(14 – 54)	
12	EQ Mid Gain	-12dB – +12dB	(52 – 76)	
13	EQ Mid Width	0.1 – 12.0	(1 – 120)	
14	LFO Phase Difference	-180deg – +180deg	(4 – 124)	
15	—			
16	—			

[3] DYNAMIC FLANGER

No.	Parameter	Range	Value	Control
1	Sensitivity	0 – 127	(0 – 127)	●
2	Delay Offset	0 – 127	(0 – 127)	
3	Feedback Level	-63 – +63	(1 – 127)	
4	Attack Time	0.3ms – 227ms	(0 – 127)	
5	Release Time	2.6ms – 2171ms	(0 – 127)	
6	Release Curve	0 – 127	(0 – 127)	
7	Direction	up, down	(0 – 1)	
8	Dyna Threshold Level	0 – 127	(0 – 127)	
9	Dyna Level Offset	0 – 127	(0 – 127)	
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	—			
12	—			
13 – 16: Same as the parameters shaded in gray in CROSS DELAY on page 22.				

Category — PHASER

[1] TEMPO PHASER

No.	Parameter	Range	Value	Control
1	LFO Speed	16th – 4thx16	(5 – 29)	
2	LFO Depth	0 – 127	(0 – 127)	
3	Phase Shift Offset	0 – 127	(0 – 127)	
4	Feedback Level	-63 – +63	(1 – 127)	
5	—			
6 – 9: Same as the parameters shaded in gray in CROSS DELAY on page 22.				
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	●
11	Stage	4 – 22	(4 – 22)	
12	Diffusion	mono, stereo	(0 – 1)	
13	—			
14	—			
15	—			
16	—			

[2] DYNAMIC PHASER

No.	Parameter	Range	Value	Control
1	Sensitivity	0 – 127	(0 – 127)	●
2	Dyna Level Offset	0 – 127	(0 – 127)	
3	Feedback Level	-63 – +63	(1 – 127)	
4	Attack Time	0.3ms – 227ms	(0 – 127)	
5	Release Time	2.6ms – 2171ms	(0 – 127)	
6	Release Curve	0 – 127	(0 – 127)	
7	Direction	up, down	(0 – 1)	
8	Dyna Threshold Level	0 – 127	(0 – 127)	
9	—			
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	Stage	4, 5, 6	(4 – 6)	
12	—			
13 – 16: Same as the parameters shaded in gray in CROSS DELAY on page 22.				

Category — TREMOLO&ROTARY

[1] AUTO PAN

No.	Parameter	Range	Value	Control
1	LFO Speed	0.0Hz – 39.70Hz	(0 – 127)	●
2	L/R Depth	0 – 127	(0 – 127)	
3	F/R Depth	0 – 127	(0 – 127)	
4	PAN Direction	L<>R, L>>R, L<<R, Lturn, Rturn, L/R	(0 – 5)	
5	LFO Wave	0 – 28	(0 – 28)	
6 – 9: Same as the parameters shaded in gray in CROSS DELAY on page 22.				
10	—			
11	EQ Mid Frequency	100Hz – 10.0kHz	(14 – 54)	
12	EQ Mid Gain	-12dB – +12dB	(52 – 76)	
13	EQ Mid Width	0.1 – 12.0	(1 – 120)	
14	—			
15	Input Mode	mono, stereo	(0 – 1)	
16	—			

[2] TREMOLO

No.	Parameter	Range	Value	Control
1	LFO Speed	0.0Hz – 39.70Hz	(0 – 127)	●
2	AM Depth	0 – 127	(0 – 127)	
3	PM Depth	0 – 127	(0 – 127)	
4	—			
5	—			
6 – 9: Same as the parameters shaded in gray in CROSS DELAY on page 22.				
10	—			
11	EQ Mid Frequency	100Hz – 10.0kHz	(14 – 54)	
12	EQ Mid Gain	-12dB – +12dB	(52 – 76)	
13	EQ Mid Width	0.1 – 12.0	(1 – 120)	
14	LFO Phase difference	-180deg – +180deg	(4 – 124)	
15	Input Mode	mono, stereo	(0 – 1)	
16	—			

[3] ROTARY SPEAKER

No.	Parameter	Range	Value	Control
1	Rotor Speed Slow	0.0Hz – 2.65Hz	(0 – 63)	
2	Horn Speed Slow	0.0Hz – 2.65Hz	(0 – 63)	
3	Rotor Speed Fast	2.69Hz – 39.70Hz	(64 – 127)	
4	Horn Speed Fast	2.69Hz – 39.70Hz	(64 – 127)	
5	Slow-Fast Time of R	0 – 127	(0 – 127)	
6	Slow-Fast Time of H	0 – 127	(0 – 127)	
7	Drive Rotor	0 – 127	(0 – 127)	
8	Drive Horn	0 – 127	(0 – 127)	
9	Rotor/Horn Balance	R63>H – R=H – R<H63	(1 – 127)	
10	—			
11 – 14: Same as the parameters shaded in gray in CROSS DELAY on page 22.				
15	Mic L-R Angle	0deg – 180deg	(0 – 60)	
16	Speed Control	Slow, Fast	(0 – 1)	●*3

*3: Speed Control cannot be controlled using the pitch bend wheel.

Category — DISTORTION

[1] AMP SIMULATOR 1

No.	Parameter	Range	Value	Control
1	Overdrive	0 – 100%	(0 – 100)	●
2	Device	Transistor, Vintage Tube, Distortion 1, Distortion 2, Fuzz	(0 – 4)	
3	Speaker Type	Flat, Stack, Combo, Twin, Radio, Megaphone	(0 – 5)	
4	Presence	-10 – 10	(0 – 20)	
5	Output Level	0 – 100%	(0 – 100)	
6	—			
7	—			
8	—			
9	—			
10	Dry/Wet Balance	D63>W _ D=W _ D<W63	(1 – 127)	
11	—			
12	—			
13	—			
14	—			
15	—			
16	—			

[2] AMP SIMULATOR 2

No.	Parameter	Range	Value	Control
1	Overdrive	0 – 127	(0 – 127)	●
2	AMP Type	off, Stack, Combo, Tube, Crunch, Hi Gain, British	(0 – 6)	
3	LPF Cutoff Frequency	1.0kHz – 20.0kHz	(34 – 60)	
4	Output Level	0 – 127	(0 – 127)	
5	—			
6	—			
7	—			
8	—			
9	—			
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	—			
12	—			
13	—			
14	—			
15	—			
16	—			

[3] COMP DISTORTION

No.	Parameter	Range	Value	Control
1	Overdrive	0 – 127	(0 – 127)	●
2	EQ Low Frequency	32Hz – 2.0kHz	(4 – 40)	
3	EQ Low Gain	-12dB – +12dB	(52 – 76)	
4	LPF Cutoff Frequency	1.0kHz – 20.0kHz	(34 – 60)	
5	Output Level	0 – 127	(0 – 127)	
6	—			
7	EQ Mid Frequency	100Hz – 10.0kHz	(14 – 54)	
8	EQ Mid Gain	-12dB – +12dB	(52 – 76)	
9	EQ Mid Width	0.1 – 12.0	(1 – 120)	
10	Dry / Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	Edge	0 – 127	(0 – 127)	
12	Attack	1ms – 40ms	(0 – 19)	
13	Release	10ms – 680ms	(0 – 15)	
14	Threshold	-48dB – -6dB	(79 – 121)	
15	Ratio	1 – 20.0	(0 – 7)	
16	—			

[4] COMP DISTORTION DELAY

No.	Parameter	Range	Value	Control
1	Overdrive	0 – 100%	(0 – 100)	●
2	Device	Transistor, Vintage Tube, Distortion 1, Distortion 2, Fuzz	(0 – 4)	
3	Speaker Type	Flat, Stack, Combo, Twin, Radio, Megaphone	(0 – 5)	
4	Presence	-10 – 10	(0 – 20)	
5	Output Level	0 – 100%	(0 – 100)	
6	Delay Time L	0.1ms – 1638.3ms	(1 – 16383)	
7	Delay Time R	0.1ms – 1638.3ms	(1 – 16383)	
8	Feedback Time	0.1ms – 1638.3ms	(1 – 16383)	
9	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	Feedback High Damp	0.1 – 1.0	(1 – 10)	
13	Compress	-48dB – -6dB	(79 – 121)	
14	—			
15	—			
16	—			

Category — COMPRESSOR

[1] CLASSIC COMPRESSOR

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

[2] MULTI BAND COMP

No.	Parameter	Range	Value	Control
1	Low Attack	1ms – 200ms	(0 – 29)	
2	Low Threshold	-54dB – -6dB	(73 – 121)	
3	Low Ratio	1 – 20.0	(0 – 7)	
4	Low Gain	-∞ – +18dB	(0 – 55)	
5	Mid Attack	1ms – 200ms	(0 – 29)	
6	Mid Threshold	-54dB – -6dB	(73 – 121)	
7	Mid Ratio	1 – 20.0	(0 – 7)	
8	Mid Gain	-∞ – +18dB	(0 – 55)	
9	High Attack	1ms – 200ms	(0 – 29)	
10	High Threshold	-54dB – -6dB	(73 – 121)	
11	High Ratio	1 – 20.0	(0 – 7)	
12	High Gain	-∞ – +18dB	(0 – 55)	
13	Divide Freq Low	16Hz – 20kHz	(0 – 124)	
14	Divide Freq High	16Hz – 20kHz	(0 – 124)	
15	Common Release	10msec – 3000msec	(0 – 23)	
16	—			

When the value of Bottom is greater than Top, the sound will not be modulated and only the Bottom value is available.

Category — Lo-Fi

[1] LO-FI

No.	Parameter	Range	Value	Control
1	Sampling Freq. Control	44.1 – 344Hz	(0 – 127)	
2	Word Length	1 – 127	(1 – 127)	
3	Output Gain	-6dB – +36dB	(0 – 42)	
4	Pre-LPF Cutoff Frequency	63Hz – 20.0kHz	(10 – 60)	
5	Filter Type	thru, Power Bass, Radio, Telephone, Clean, Low	(0 – 5)	
6	Pre-LPF Resonance	1 – 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	(0 – 1)	
16	—			

[2] NOISY

No.	Parameter	Range	Value	Control
1	Mod Depth	0 – 10	(0 – 10)	●
2	Mod Speed	0 – 127	(0 – 127)	
3	Mod Feedback	-63 – +63	(1 – 127)	
4	Mod Mix Balance	1 – 127	(1 – 127)	
5	Drive	0 – 127	(0 – 127)	
6	AM Speed	0.00Hz – 39.7Hz	(0 – 127)	
7	AM Depth	0 – 127	(0 – 127)	
8	LPF Cutoff Frequency	1.0kHz – 20.0kHz	(34 – 60)	
9	LPF Resonance	1.0 – 12.0	(10 – 120)	
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	EQ Frequency	100Hz – 10.0kHz	(14 – 54)	
12	EQ Gain	-12 – +12dB	(52 – 76)	
13	EQ Width	1.0 – 12.0	(10 – 120)	
14	—			
15	—			
16	—			

[3] DIGITAL TURNTABLE

No.	Parameter	Range	Value	Control
1	Click Density	0 – 5	(0 – 5)	
2	Click Level	0 – 127	(0 – 127)	
3	Noise Tone	0 – 6	(0 – 6)	
4	Noise Mod Speed	0.00Hz – 39.7Hz	(0 – 127)	●
5	Noise Mod Depth	0 – 127	(0 – 127)	
6	Dry Send to Noise	0 – 127	(0 – 127)	
7	Noise LPF Cutoff Frequency	1.0kHz – 20.0kHz	(34 – 60)	
8	Noise LPF Q	1.0 – 12.0	(10 – 120)	
9	Noise Level	0 – 127	(0 – 127)	
10	—			
11	Dry Level	0 – 127	(0 – 127)	
12	Dry LPF Cutoff Frequency	1.0kHz – 20.0kHz	(34 – 60)	
13	—			
14	—			
15	—			
16	—			

Category — TEC

[1] RING MODULATOR

No.	Parameter	Range	Value	Control
1	OSC Frequency Coarse	0.5 – 5kHz	(0 – 127)	●
2	OSC Frequency Fine	0 – 127	(0 – 127)	
3	LFO Wave	tri, sine	(0 – 1)	
4	LFO Depth	0 – 127	(0 – 127)	
5	LFO Speed	0.0Hz – 39.70Hz	(0 – 127)	
6	HPF Cutoff Frequency	20Hz – 8.0kHz	(0 – 52)	
7	LPF Cutoff Frequency	1.0kHz – 20.0kHz	(34 – 60)	
8	—			
9	—			
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	—			
12	—			

13 – 16: Same as the parameters shaded in gray in CROSS DELAY on page 22.

[2] DYNAMIC RING MODULATOR

No.	Parameter	Range	Value	Control
1	Sensitivity	0 – 127	(0 – 127)	●
2	HPF Cutoff Frequency	20Hz – 8.0kHz	(0 – 52)	
3	LPF Cutoff Frequency	1.0kHz – 20.0kHz	(34 – 60)	
4	Attack Time	0.3ms – 227ms	(0 – 127)	
5	Release Time	2.6ms – 2171ms	(0 – 127)	
6	Release Curve	0 – 127	(0 – 127)	
7	Direction	up, down	(0 – 1)	
8	Dyna Threshold Level	0 – 127	(0 – 127)	
9	Dyna Level Offset	0 – 127	(0 – 127)	
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	—			
12	—			

13 – 16: Same as the parameters shaded in gray in CROSS DELAY on page 22.

[3] DYNAMIC FILTER

No.	Parameter	Range	Value	Control
1	Filter Type	LPF (12dB), LPF (18dB), LPF (24dB), HPF, BPF, BEF	(0 – 5)	
2	Sensitivity	0 – 127	(0 – 127)	●
3	Dyna Level Offset	0 – 127	(0 – 127)	
4	Resonance	-16 – +111	(0 – 127)	
5	Attack Time	0.3ms – 227ms	(0 – 127)	
6	Release Time	2.6ms – 2171ms	(0 – 127)	
7	Release Curve	0 – 127	(0 – 127)	
8	Direction	up, down	(0 – 1)	
9	Dyna Threshold Level	0 – 127	(0 – 127)	
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	—			
12	—			

13 – 16: Same as the parameters shaded in gray in CROSS DELAY on page 22.

[4] AUTO SYNTH

No.	Parameter	Range	Value	Control
1	Mod Speed	0 – 127	(0 – 127)	●
2	Mod Wave Type	Type A, Type B, Type C, Type D	(0 – 3)	
3	Mod Depth	0 – 127	(0 – 127)	
4	Mod Depth Ofst R	-63 – +63	(1 – 127)	
5	HPF Cutoff Frequency	20Hz – 8.0kHz	(0 – 52)	
6	LPF Cutoff Frequency	1.0kHz – 20.0kHz	(34 – 60)	
7	Delay Time	0.1 – 370.0ms	(1 – 3700)	
8	Delay Time Ofst R	0 – 884	(0 – 884)	
9	Delay Level	0 – 127	(0 – 127)	
10	Dry Mix Level	0 – 127	(0 – 127)	
11	Feedback Level	-63 – +63	(1 – 127)	
12	FB Level Ofst R	-63 – +63	(1 – 127)	
13	AM Speed	0.00Hz – 39.7Hz	(0 – 127)	
14	AM Wave	tri, sine, saw up, saw down	(0 – 3)	
15	AM Depth	0 – 127	(0 – 127)	
16	AM Inverse R	normal, inverse	(0 – 1)	

[5] ISOLATOR

No.	Parameter	Range	Value	Control
1	On/off Switch	on, off	(0 – 1)	●*3
2	Low Level	-64 – +63	(0 – 127)	
3	Mid Level	-64 – +63	(0 – 127)	
4	High Level	-64 – +63	(0 – 127)	
5	Low Mute	off/on	(0 – 1)	
6	Mid Mute	off/on	(0 – 1)	
7	High Mute	off/on	(0 – 1)	
8	—			
9	—			
10	—			
11	—			
12	—			
13	—			
14	—			
15	—			
16	—			

*3: On/off Switch cannot be controlled using the pitch bend wheel.

[6] TECH MODULATION

No.	Parameter	Range	Value	Control
1	Mod Speed	0 – 127	(0 – 127)	●
2	Mod Depth	0 – 127	(0 – 127)	
3	Mod Gain	-12 – +12dB	(52 – 76)	
4	Mod Mix Balance	D63>W – D=W – D<W63	(1 – 127)	
5	Pre Mod HPF Cutoff Frequency	20Hz – 8.0kHz	(0 – 52)	
6	Mod LPF Cutoff Frequency	1.0kHz – 20.0kHz	(34 – 60)	
7	Mod LPF Resonance	1.0 – 12.0	(10 – 120)	
8	Delay Time	0.1 – 740.0ms	(1 – 7400)	
9	Delay Time Ofst R	0 – 884	(0 – 884)	
10	Dry/Wet Balance	D63>W – D=W – D<W63	(1 – 127)	
11	Feedback Level	-63 – +63	(1 – 127)	
12	FB Level Ofst R	-63 – +63	(1 – 127)	
13	Feedback Hi Damp	0.1 – 1.0	(1 – 10)	
14	FB Hi Damp Ofst R	-0.9 – +0.9	(1 – 19)	
15	—			
16	—			

Category — MISC

[1] VCM EQ 501

No.	Parameter	Range	Value	Control
1	EQ1 (LSH) Frequency	31.5Hz – 2.0kHz	(12 – 84)	
2	EQ1 (LSH) Gain	-12.0dB – +12.0dB	(60 – 300)	
3	EQ2 Q	0.50 – 16.00	(0 – 60)	
4	EQ2 Frequency	50.0 Hz – 20.0kHz	(20 – 124)	
5	EQ2 Gain	-18.0dB – +18.0dB	(0 – 360)	
6	EQ3 Q	0.50 – 16.00	(0 – 60)	
7	EQ3 Frequency	50.0 Hz – 20.0kHz	(20 – 124)	
8	EQ3 Gain	-18.0dB – +18.0dB	(0 – 360)	
9	EQ4 Q	0.50 – 16.00	(0 – 60)	
10	EQ4 Frequency	50.0 Hz – 20.0kHz	(20 – 124)	
11	EQ4 Gain	-18.0dB – +18.0dB	(0 – 360)	
12	EQ5 (HSH) Frequency	500Hz – 20.0kHz	(60 – 124)	
13	EQ5 (HSH) Gain	-12.0dB – +12.0dB	(60 – 300)	
14	Output Level	-12.0dB – +12.0dB	(60 – 300)	
15				
16				

[2] HARMONIC ENHANCER

No.	Parameter	Range	Value	Control
1	HPF Cutoff Frequency	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	—			

[3] Talking Modulator

No.	Parameter	Range	Value	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	—			

[4] PITCH CHANGE

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

[5] EARLY REFLECTION

No.	Parameter	Range	Value	Control
1	Type	S-hall, L-hall, random, reverse, plate, spring	(0 – 5)	
2	Room Size	0.1 – 20.0	(0 – 127)	
3	Diffusion	0 – 10	(0 – 10)	
4	Initial Delay	0.1ms – 200.0ms	(0 – 127)	
5	Feedback Level	-63 – +63	(1 – 127)	
6	HPF Cutoff Frequency	20Hz – 8.0kHz	(0 – 52)	
7	LPF Cutoff Frequency	1.0kHz – 20.0kHz	(34 – 60)	
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	Feedback High Damp	0.1 – 1.0	(1 – 10)	
14	—			
15	—			
16	—			

Power-Amplifier/Compressor Block (CP5 only)

Power-Amplifier/Compressor Type List

	Type name	Type (HEX)	
		MSB	LSB
1	71Rd I (PowerAmp 71Rd I)	30	08
2	73Rd I (PowerAmp 73Rd I)	31	08
3	75Rd I (PowerAmp 75Rd I)	32	08
4	78Rd II (PowerAmp 78Rd II)	33	08
5	69Wr (PowerAmp 69Wr)	34	08
6	77Wr (PowerAmp 77Wr)	35	08
7	Clean (Clean Amp)	36	00
8	Comp376 (Compressor 376)	37	00
9	Other *4	—	—

*4: Details regarding the Other effect types and the corresponding parameters are as described for the Modulation Effect block. See *Effect Type List for Other Group* (page 21) and *Effect Parameter List for Other Group* (page 22).

Power-Amplifier/Compressor Parameter List

[1] – [6] Power Amp 71Rd I / 73Rd I / 75Rd I / 78Rd II / 69Wr / 77Wr

No.	Parameter	Range	Value
1	Line Balance	L63>S – L<S63	1 – 127
2	Output	0 – 127	0 – 127
3	---		
4	---		
5	---		
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	---		
15	---		
16	---		

[7] Clean (Clean Amp)

No.	Parameter	Range	Value
1	Output	0 – 127	0 – 127
2	---		
3	---		
4	---		
5	---		
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	---		
15	---		
16	---		

[8] Comp376 (Compressor 376)

No.	Parameter	Range	Value
1	Drive	0 – 100	0 – 100
2	Output	0 – 127	0 – 127
3	Ratio	2, 4, 8, 12, 20	0 – 4
4	Attack	0.203ms – 50.40ms	21 – 200
5	Release	11.96ms – 544.22ms	9 – 200
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	---		
15	---		
16	---		

Mic Effect Block (CP5 only)

Mic Effect Parameter

[1] NOISE GATE+COMP+EQ

No.	Parameter	Range	Value
1	Comp Attack	1ms – 40ms	(0 – 19)
2	Comp Release	10ms – 680ms	(0 – 15)
3	Comp Threshold	-48dB – -6dB	(79 – 121)
4	Comp Ratio	1.0 – 20.0	(0 – 7)
5	Comp Output Level	0 – 127	(0 – 127)
6	EQ Low Frequency	32Hz – 2.0kHz	(4 – 40)
7	EQ Low Gain	-12dB – +12dB	(52 – 76)
8	EQ High Frequency	500Hz – 16.0kHz	(28 – 58)
9	EQ High Gain	-12dB – +12dB	(52 – 76)
10	---		
11	Noise Gate Attack	1ms – 40ms	(0 – 19)
12	Noise Gate Release	10ms – 680ms	(0 – 15)
13	Noise Gate Threshold	-73dB – -30dB	(54 – 97)
14	EQ Mid Frequency	100Hz – 10.0kHz	(14 – 54)
15	EQ Mid Gain	-12dB – +12dB	(52 – 76)
16	EQ Mid Width	0.1 – 12.0	(1 – 120)

Reverb Block

Reverb Type List

	Type name	Type (HEX)	
		MSB	LSB
1	RichHall (Rich Hall)	01	00
2	RichPlate (Rich Plate)	01	01
3	RichRoom (Rich Room)	01	02
4	WoodRoom (Woody Room)	01	03
5	Room1	01	04
6	Room2	01	05
7	Stage1	01	06
8	Stage2	01	07

Reverb Parameter List

- [1] RichHall (Rich Hall)
- [2] RichPlate (Rich Plate)
- [3] RichRoom (Rich Room)
- [5] Room1
- [6] Room2
- [7] Stage1
- [8] Stage2

No.	Parameter	Range	Value
1	Reverb Time	0.3s – 30.0ms	0 – 69
2	---		
3	---		
4	HPF Cutoff Frequency	20Hz – 8.0kHz	0 – 52
5	---		
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	Feedback High Damp	0.1 – 1.0	1 – 10
15	---		
16	---		

[4] WoodRoom (Woody Room)

No.	Parameter	Range	Value
1	Reverb Time	0.3s – 10.0ms	0 – 69
2	---		
3	---		
4	HPF Cutoff Frequency	20Hz – 8.0kHz	0 – 52
5	---		
6	---		
7	---		
8	---		
9	---		
10	---		
11	---		
12	---		
13	---		
14	---		
15	---		
16	---		

MIDI Data Format

Many MIDI messages listed in the MIDI Data Format section are expressed in hexadecimal or binary numbers. Hexadecimal numbers may include the letter "H" as a suffix. The letter "n" indicates a certain whole number. The chart below lists the corresponding decimal number for each hexadecimal number.

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

Additional Notes

- For example, 144 – 159 (Decimal)/9nH/1001 0000 – 1001 1111 (Binary) indicate the note-on messages for the channels 1 through 16 respectively. 176 – 191/BnH/1011 0000 – 1011 1111 indicate the control change messages for the channels 1 through 16 respectively. 192 – 207/CnH/1100 0000 – 1100 1111 indicate the program change messages for the channels 1 through 16 respectively. 240/F0H/1111 0000 is positioned at the beginning of data to indicate a system exclusive message. 247/F7H/1111 0111 is positioned at the end of the system exclusive message.
- aaH (Hexadecimal)/0aaaaaa (Binary) indicates the data addresses. The data address consists of High, Mid and Low.
- bbH/0bbbbbbb indicates byte counts.
- ccH/0ccccccc indicates check sums.
- ddH/0ddddddd indicates data/value.

(1) TRANSMIT FLOW

```

MIDI <---[SW1]-----NOTE ON/OFF                               9nH
OUT
|
|-----KEY'S AFTER TOUCH                                     AnH (Seq only)
|
|-----CONTROL CHANGE (All in Seq)
|     SUSTAIN SWITCH                                         BnH, 40H
|     ASSIGNABLE CONTROLLERS                                 BnH, (00H...5FH)
|
|---[SW4]---BANK SEL MSB                                       BnH, 00H
|     BANK SEL LSB                                           BnH, 20H
|
|-----CHANNEL MODE MESSAGE (Seq only)
|     RESET ALL CONTROLLERS                                   BnH, 79H
|     LOCAL CONTROL                                          BnH, 7AH
|     OMNI MODE OFF                                          BnH, 7CH
|     OMNI MODE ON                                           BnH, 7DH
|     MONO MODE ON                                           BnH, 7EH
|     POLY MODE ON                                           BnH, 7FH
|
|---[SW5]---PROGRAM CHANGE                                       CnH
|
|-----CHANNEL AFTER TOUCH                                     DnH (Seq only)
|
|-----PITCH BEND CHANGE                                       EnH
|
|---[SW6]-----SYSTEM REALTIME MESSAGE
|     TIMING CLOCK                                           F8H
|
|-----SYSTEM REALTIME MESSAGE
|     START                                                  FAH
|     CONTINUE                                               FBH
|     STOP                                                    FCH
|
|-----ACTIVE SENSING                                         FEH
|
|---[SW3]---SYSTEM EXCLUSIVE MESSAGE (All in Seq)
|     <BULK DUMP>
|     F0H 43H 0nH 7FH 00H bhH b1H ahH amH a1H ddH...ddH ccH F7H
|
|     <PARAMETER CHANGE>
|     F0H 43H 1nH 7FH 00H ahH amH a1H ddH...ddH F7H
|
|-----SYSTEM EXCLUSIVE MESSAGE
|     IDENTITY REPLY
|     F0H 7EH 7FH 06H 02H 43H 00H 41H 3FH (or40H) 06H 00H 00H
|
|     CP5: 3FH, 06H
|     CP50: 40H, 06H
  
```

- [SW1] MIDI Transmit Channel
When Zone Switch (ZoneSw) is set to "on", MIDI data is transmitted via the corresponding zone transmit channels (TransCh).
- [SW2] MIDI Sync (can be set whether the sequencer block uses the internal Timing Clock, or external Timing Clock messages received via MIDI IN)
- [SW3] MIDI Device Number
When set to all, transmitted via 1.
- [SW4] SYSTEM Bank Select Switch
- [SW5] SYSTEM Program Change Switch
- [SW6] MIDI Clock Out

(2) RECEIVE FLOW

```

MIDI>---[SW6]-----NOTE OFF                                   8nH
|
|-----NOTE ON/OFF                                           9nH
|
|-----CONTROL CHANGE (All in Seq)
|     MODULATION                                             BnH, 01H
|     PORTAMENTO TIME                                         BnH, 05H
|     DATA ENTRY MSB                                        BnH, 06H
|     DATA ENTRY LSB                                        BnH, 26H
|     MAIN VOLUME                                           BnH, 07H
|     PAN                                                     BnH, 0AH
|     EXPRESSION                                              BnH, 0BH
|     SUSTAIN SWITCH                                         BnH, 40H
|     PORTAMENTO SWITCH                                       BnH, 41H
|     SOSTENUTO                                              BnH, 42H
|     HARMONIC CONTENT                                       BnH, 47H
|     EG RELEASE TIME                                        BnH, 48H
|     EG ATTACK TIME                                         BnH, 49H
|     BRIGHTNESS                                             BnH, 4AH
|     EG DECAY TIME                                          BnH, 4BH
|     EFFECT1 DEPTH                                          BnH, 5BH
|     EFFECT3 DEPTH                                          BnH, 5DH
|     DATA ENTRY INC                                        BnH, 60H
|     DATA ENTRY DEC                                        BnH, 61H
|     ASSIGNABLE CONTROLLER                                 BnH, (00H...5FH)
|     RPN
|     PITCH BEND SENS.                                       BnH, 64H, 00H, 65H, 00H, 06H, mmH
|     FINE TUNING                                           BnH, 64H, 01H, 65H, 00H, 06H,
|     mmH, 26H, 11H
|     COARSE TUNING                                         BnH, 64H, 02H, 65H, 00H, 06H, mmH
|     RPN RESET                                             BnH, 64H, 7FH, 65H, 7FH
|
|---[SW4]---BANK SEL MSB                                       BnH, 00H
|     BANK SEL LSB                                           BnH, 20H
|
|-----CHANNEL MODE MESSAGE
|     ALL SOUND OFF                                         BnH, 78H
|     RESET ALL CONTROLLERS                                   BnH, 79H
|     LOCAL CONTROL                                          BnH, 7AH
|     ALL NOTE OFF                                           BnH, 7BH
|     OMNI MODE OFF                                          BnH, 7CH
|     OMNI MODE ON                                           BnH, 7DH
|     MONO                                                    BnH, 7EH
|     POLY                                                    BnH, 7FH
|
|---[SW5]---PROGRAM CHANGE                                       CnH
|
|-----PITCH BEND CHANGE                                       EnH
  
```

```

|
| [SW2]-----SYSTEM REALTIME MESSAGE
| |           TIMING CLOCK           F8H
| |
| |-----SYSTEM REALTIME MESSAGE
| | START           FAH
| | CONTINUE       FBH
| | STOP           FCH
| |
| |-----ACTIVE SENSING             FEH
| |
| | [SW3]-----SYSTEM EXCLUSIVE MESSAGE (All in Seq)
| |
| |-----<BULK DUMP>
| | F0H 43H 0nH 7FH mmH bhH b1H ahH amH a1H ddH....ddH ccH F7H
| | mm = CP5: 10, CP50: 11
| |
| |-----<PARAMETER CHANGE>
| | F0H 43H 1nH 7FH mmH ahH amH a1H ddH....ddH F7H
| |
| |-----<BULK DUMP REQUEST>
| | F0H 43H 2nH 7FH mmH ahH amH a1H ddH....ddH F7H
| |
| |-----<PARAMETER REQUEST>
| | F0H 43H 3nH 7FH mmH ahH amH a1H F7H
| |
| |-----SYSTEM EXCLUSIVE MESSAGE
| | IDENTIFY REQUEST           F0H 7EH 0nH 06H 01H F7H
| |
| |-----SYSTEM EXCLUSIVE MESSAGE
| | TEST ENTRY                 F0H 43H 73H 01H 60H 00H F7H
|

```

[SW2] Complies with SYSTEM MIDI Sync setting. (This parameter can be received when it is not set to internal.)
 [SW3] MIDI Device Number
 [SW4] SYSTEM Bank Select Switch
 [SW5] SYSTEM Program Change Switch
 [SW6] MIDI Receive Channel and Receive Filter Complies with Receive Channel and Receive Switch.

(3) TRANSMIT/RECEIVE DATA

(3-1) CHANNEL VOICE MESSAGES

(3-1-1) NOTE OFF

```

STATUS           1000nnnn (8nH)           n = 0 - 15 CHANNEL NUMBER
NOTE No.         0kkkkkkk                 k = 0 (C-2) - 127 (G8)
VELOCITY         0vvvvvvv                 v: ignored
Receive only

```

(3-1-2) NOTE ON/OFF

```

STATUS           1001nnnn (9nH)           n = 0 - 15 CHANNEL NUMBER
NOTE NUMBER      0kkkkkkk                 k = 0 (C-2) - 127 (G8)
VELOCITY NOTE ON 0vvvvvvv (v#0)
NOTE OFF        0vvvvvvv (v=0)

```

(3-1-3) CONTROL CHANGE

```

STATUS           1011nnnn (BnH)           n = 0 - 15 CHANNEL NUMBER
CONTROL NUMBER   0ccccccc
CONTROL VALUE    0vvvvvvv

```

*TRANSMITTED CONTROL NUMBER
 c = 0 BANK SEL MSB ; v = 0 - 127 *2
 c = 32 BANK SEL LSB ; v = 0 - 127 *2
 c = 64 SUSTAIN ; v = 0 - 127 *4
 c = 0...95 ASSIGNABLE CONTROLLERS ; v = 0 - 127 *3

The Sequencer Part will play back all recorded control change messages.

*RECEIVED CONTROL NUMBER
 c = 0 BANK SEL MSB ; v = 0 - 127 *2
 c = 32 BANK SEL LSB ; v = 0 - 127 *2
 c = 1 MODULATION ; v = 0 - 127
 c = 5 PORTAMENTO TIME ; v = 0 - 127
 c = 6 DATA ENTRY MSB ; v = 0 - 127 *1
 c = 38 DATA ENTRY LSB ; v = 0 - 127 *1
 c = 7 MAIN VOLUME ; v = 0 - 127
 c = 10 PAN ; v = 0 - 127
 c = 11 EXPRESSION ; v = 0 - 127
 c = 31 EG SUSTAIN LEVEL ; v = 0: -64 - 64: 0 - 127: +63
 c = 64 SUSTAIN ; v = 0 - 127
 c = 65 PORTAMENTO SWITCH ; v = 0 - 63: OFF, 64 - 127: ON
 c = 66 SOSTENUTO ; v = 0 - 63: OFF, 64 - 127: ON
 c = 71 HARMONIC CONTENT ; v = 0: -64 - 64: 0 - 127: +63
 c = 72 EG RELEASE TIME ; v = 0: -64 - 64: 0 - 127: +63
 c = 73 EG ATTACK TIME ; v = 0: -64 - 64: 0 - 127: +63
 c = 74 BRIGHTNESS ; v = 0: -64 - 64: 0 - 127: +63
 c = 75 EG DECAY TIME ; v = 0: -64 - 64: 0 - 127: +63
 c = 91 EFFECT1 DEPTH ; v = 0 - 127
 c = 93 EFFECT3 DEPTH ; v = 0 - 127
 c = 96 DATA ENTRY INC ; v = 127 *1
 c = 97 DATA ENTRY DEC ; v = 127 *1
 c = 0...95 ASSIGNABLE CONTROLLER ; v = 0 - 127 *3

*1 Used only when a value is set using RPN.

*2 Relation between BANK CHANGE and PROGRAM is as follows:

CATEGORY	MSB	LSB	PROGRAM No.
Performance Preset 1	63	64	0...39 (1...40)
Preset 2	63	65	0...39 (1...40)
Preset 3	63	66	0...39 (1...40)
User 1	63	67	0...39 (1...40)
User 2	63	68	0...39 (1...40)
User 3	63	69	0...39 (1...40)
External 1	63	70	0...39 (1...40)
External 2	63	71	0...39 (1...40)
External 3	63	72	0...39 (1...40)

*3 The default CONTROL NUMBERS of ASSIGNABLE CONTROLLER are as follows:

```

FOOT CONTROLLER 1 11
FOOT CONTROLLER 2 4
FOOT SWITCH 88

```

*4 When the sustain pedal is set to something other than "FC3 (Half On)," operating the sustain pedal transmits only values of 0 (off) or 127 (on).

PORTAMENTO TIME is set the time it takes for the pitch to reach the next note played when PORTAMENTO SWITCH is set to on.

0: shortest time; 127: longest time

PAN position relatively changes according to the value for each performance part.

EFFECT1 DEPTH controls reverb send level.

HARMONIC CONTENT adjusts the resonance preset for each performance.

Setting a value adds to or subtracts from the center value. 64, since it is an offset parameter.

The larger the value more resonant sound will be produced.

The effective range may be narrower than the range you can designate depending on the selected voice.

The parameters, EG ATTACK TIME, EG DECAY TIME, EG SUSTAIN LEVEL, EG RELEASE TIME adjust the envelopes preset for each performance.

Setting these values add to or subtract from the center value. 64, since these are offset parameters.

BRIGHTNESS adjusts the cutoff frequency preset for each performance.

Setting a value adds to or subtracts from the center value. 64, since it is an offset parameter.

The smaller the value the cutoff frequency will be lowered.

The effective range may be narrower than the range you can designate depending on the selected voice.

Bank Select will be actually executed when the Program Change message is received.

Bank Select and Program Change numbers that are not supported by Yamaha will be ignored.

(3-1-4) PROGRAM CHANGE

```

STATUS           1100nnnn (CnH)           n = 0 - 15 CHANNEL NUMBER
PROGRAM NUMBER   0ppppppp                 p = 0 - 127

```

(3-1-5) CHANNEL AFTER TOUCH

```

STATUS           1101nnnn (DnH)           n = 0 - 15 CHANNEL NUMBER
VALUE           0vvvvvvv                 v = 0 - 127 AFTER TOUCH VALUE

```

(3-1-6) PITCH BEND CHANGE

```

STATUS           1110nnnn (EnH)           n = 0 - 15 CHANNEL NUMBER
LSB             0vvvvvvv                 PITCH BEND CHANGE LSB
MSB             0vvvvvvv                 PITCH BEND CHANGE MSB

```

Transmitted with a resolution of 7 bits.

(3-2) CHANNEL MODE MESSAGES

```

STATUS           1011nnnn (BnH)           n = 0 - 15 CHANNEL NUMBER
CONTROL NUMBER   0ccccccc                 c = CONTROL NUMBER
CONTROL VALUE    0vvvvvvv                 v = DATA VALUE

```

(3-2-1) ALL SOUND OFF (CONTROL NUMBER = 78H, DATA VALUE = 0)

All the sounds currently played including the channel messages such as note-on and hold-on in a certain channel are muted when receiving this message.

(3-2-2) RESET ALL CONTROLLERS (CONTROL NUMBER = 79H, DATA VALUE = 0)

Resets the values set for the following controllers.

```

PITCH BEND CHANGE 0 (center)
MODULATION        0 (minimum)
EXPRESSION        127 (maximum)
FOOT CONTROLLER  127 (maximum)
SUSTAIN SWITCH    0 (off)
SOSTENUTO SWITCH 0 (off)
RPN               Not assigned; No change

```

Doesn't reset the following data:

PROGRAM CHANGE, BANK SELECT MSB/LSB, VOLUME, PAN, HARMONIC CONTENT, SUSTAIN LEVEL, RELEASE TIME, ATTACK TIME, DECAY TIME, BRIGHTNESS, EFFECT SEND LEVEL 1, EFFECT SEND LEVEL 3, PORTAMENTO SWITCH, PITCH BEND SENSITIVITY, FINE TUNING, COARSE TUNING

(3-2-3) ALL NOTE OFF (CONTROL NUMBER = 7BH, DATA VALUE = 0)

All the notes currently set to on in certain channel(s) are muted when receiving this message. However, if Sustain or Sostenuto is on, notes will continue sounding until these are turned off.

(3-2-4) OMNI MODE OFF (CONTROL NUMBER = 7CH, DATA VALUE = 0)

Performs the same function as when receiving ALL SOUND OFF. Sets VOICE RECEIVE CHANNEL to "OMNI OFF" channel 1.

(3-2-5) OMNI MODE ON (CONTROL NUMBER = 7DH, DATA VALUE = 0)

Performs the same function as when receiving ALL SOUND OFF. Sets VOICE RECEIVE CHANNEL to "OMNI ON."

(3-2-6) MONO (CONTROL NUMBER = 7EH, DATA VALUE = 0)

Sets Part Mode to "mono."

(3-2-7) POLY (CONTROL NUMBER = 7FH, DATA VALUE = 0)

Sets Part Mode to "poly."

(3-3) REGISTERED PARAMETER NUMBER

```

STATUS           1011nnnn (BnH)           n = 0 - 15 CHANNEL NUMBER
LSB             01100100 (64H)
RPN LSB         0ppppppp                 p = RPN LSB (Refer to the table as shown below.)
MSB             01100101 (65H)
RPN MSB         0qqqqqqq                 q = RPN MSB (Refer to the table as shown below.)
DATA ENTRY MSB 00000110 (06H)
DATA VALUE      0mmmmmmm                 m = Data Value
DATA ENTRY LSB 00100110 (26H)
DATA VALUE      01111111                 1 = Data Value

```

First, designate the parameter using RPN MSB/LSB numbers. Then, set its value with data entry MSB/LSB.

```

RPN  D.ENTRY  LSB MSB MSB LSB  PARAMETER NAME  DATA RANGE
00H 00H mmH --- PITCH BEND SENSITIVITY 00H - 0CH (0 - 12 semitones)
01H 00H mmH 11H MASTER FINE TUNE          {mmH,11H}={00H,00H}-(40H,00H)-(7FH,7FH)
                                           (-8192*100/8192) - 0 - (+8192*100/8192)
02H 00H mmH --- MASTER COARSE TUNE       28H - 40H - 58H (-24 - 0 - +24 semitones)
7FH 7FH --- --- RPN RESET
                                           RPN numbers will be left not designated.
                                           The internal values are not affected.

```


(3-4) SYSTEM REAL TIME MESSAGES

(3-4-1) ACTIVE SENSING

STATUS 11111110 (FEH)

Transmitted at every 200 msec.
Once this code is received, the instrument starts sensing.
When no status nor data is received for over approximately 350 ms, MIDI receiving buffer will be cleared, and the sounds currently played is forcibly turned off.
Also, the values of the Controllers are reset to the default settings.

(3-5) SYSTEM EXCLUSIVE MESSAGE

(3-5-1) UNIVERSAL NON REALTIME MESSAGE

(3-5-1-1) IDENTITY REQUEST (Receive only)

F0H 7EH 0nH 06H 01H F7H
("n" = Device No. However, this instrument receives under "omni.")

(3-5-1-2) IDENTITY REPLY (Transmit only)

F0H 7EH 7FH 06H 02H 43H 00H 41H ddH ddH 00H 00H 00H 7FH F7H

dd: Device Number Code
CP5: 3FH, 06H
CP50: 40H, 06H

(3-5-2) PARAMETER CHANGE

(3-5-2-1) NATIVE PARAMETER CHANGE, MODE CHANGE

11110000	F0	Exclusive status	
01000011	43	YAMAHA ID	
0001nnnn	1n	device Number	
0*****	**	Model ID	CP5: 7F, CP50: 7F
0*****	**	Model ID	CP5: 10, CP50: 11
0aaaaaaaa	aaaaaaaa	Address High	
0aaaaaaaa	aaaaaaaa	Address Mid	
0aaaaaaaa	aaaaaaaa	Address Low	
0ddddddd	ddddddd	Data	
11110111	F7	End of Exclusive	

For parameters with data size of 2 or more, the appropriate number of data bytes will be transmitted.
See the following MIDI Data Table for Address.

(3-5-3) BULK DUMP

11110000	F0	Exclusive status	
01000011	43	YAMAHA ID	
0000nnnn	0n	device Number	
0*****	**	Model ID	CP5: 7F, CP50: 7F
0*****	**	Model ID	CP5: 10, CP50: 11
0bbbbbbb	bbbbbbb	Byte Count	
0bbbbbbb	bbbbbbb	Byte Count	
0aaaaaaaa	aaaaaaaa	Address High	
0aaaaaaaa	aaaaaaaa	Address Mid	
0aaaaaaaa	aaaaaaaa	Address Low	
0	0	Data	
0ccccccc	ccccccc	Check-sum	
11110111	F7	End of Exclusive	

See the following MIDI Data Table for Address and Byte Count.
The Check sum is the value that results in a value of 0 for the lower 7 bits when the Byte Count, Start Address, Data and Check sum itself are added.

(3-5-4) DUMP REQUEST

11110000	F0	Exclusive status	
01000011	43	YAMAHA ID	
0010nnnn	2n	device Number	
0*****	**	Model ID	CP5: 7F, CP50: 7F
0*****	**	Model ID	CP5: 10, CP50: 11
0aaaaaaaa	aaaaaaaa	Address High	
0aaaaaaaa	aaaaaaaa	Address Mid	
0aaaaaaaa	aaaaaaaa	Address Low	
11110111	F7	End of Exclusive	

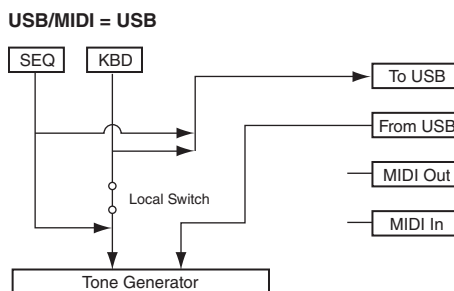
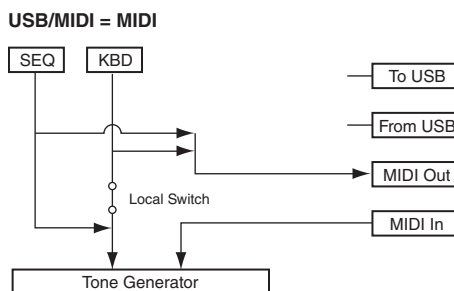
See the following MIDI Data Table for Address and Byte Count.

(3-5-5) PARAMETER REQUEST

11110000	F0	Exclusive status	
01000011	43	YAMAHA ID	
0011nnnn	3n	device Number	
0*****	**	Model ID	CP5: 7F, CP50: 7F
0*****	**	Model ID	CP5: 10, CP50: 11
0aaaaaaaa	aaaaaaaa	Address High	
0aaaaaaaa	aaaaaaaa	Address Mid	
0aaaaaaaa	aaaaaaaa	Address Low	
11110111	F7	End of Exclusive	

See the following MIDI Data Table for Address.

(4) SYSTEM OVERVIEW (Keyboard, Sequencer and Tone Generator)



Although three types of note on/note off data, received via MIDI, played by the internal sequencer and played on the keyboard will be distinguished, the other controllers (channel messages) equally affect the entire notes.

ALL SOUND OFF clears all the sounds in the specific channel(s) played by both the keyboard and the data via MIDI.

ALL NOTES OFF received via MIDI clears the sounds in the specific channel(s) played via MIDI.

MIDI Data Table

Bank Select

Available Bank Select/Program Change

MSB	(HEX)	LSB	(HEX)	Program No.	Type	Memory
63	3F	64	40	0 – 39	Performance	PRE1
		65	41	0 – 39	Performance	PRE2
		66	42	0 – 39	Performance	PRE3
		67	43	0 – 39	Performance	USR1
		68	44	0 – 39	Performance	USR2
		69	45	0 – 39	Performance	USR3
		70	46	0 – 39	Performance	EXT1
		71	47	0 – 39	Performance	EXT2
		72	48	0 – 39	Performance	EXT3

Parameter Base Address

Parameter Block	Top Address			Description
	H	M	L	
SYSTEM	00	00	00	System
	00	20	00	Master EQ
	00	21	00	Master Comp
BULK CONTROL	0E	00	00	Header
	0F	00	00	Footer
MULTIPLE BULK CONTROL	10	00	00	Header
	11	00	00	Footer
PERFORMANCE COMMON	30	00	00	Performance Common
PERFORMANCE PART	31	00	00	Part 1
				:
	31	03	00	Part 4
PERFORMANCE PART Pre-Amp	32	00	00	Part 1
				:
	32	03	00	Part 4
PERFORMANCE PART ModFx/Ins 1	33	00	00	Part 1
				:
	33	03	00	Part 4
PERFORMANCE PART PowAmp/Ins 2	34	00	00	Part 1 (CP5 only)
				:
	34	03	00	Part 4
PERFORMANCE PART BACKING PART	35	00	00	
PERFORMANCE PART AD PART	36	00	00	(CP5 only)
PERFORMANCE ZONE	37	00	00	Zone 1
				:
	37	03	00	Zone 4

Bulk Dump Block

"Top Address" indicates the top address of each block designated by bulk dump operation. "Byte Count" indicates the data size contained in each block designated by bulk dump operation.

The Block from the Bulk Header to the Bulk Footer of the Performance can be received regardless their order.

They can be received even if all of them are not transmitted. They cannot be received if the irrelevant Block is included.

To execute 1 Performance bulk dump request, designate its corresponding Bulk Header address.

When the Multiple Bulk Control Footer is received, Performances will be saved to the Flash ROM.

For the information about "mm" and "nn" shown in the following list, refer to MIDI PARAMETER CHANGE TABLE (BULK CONTROL).

Parameter Block	Top Address					Byte Count	Description
	High	Mid	Low	Dec	Hex		
SYSTEM	00	00	00	40	28		Utility
	00	20	00	20	14		MasterEQ
	00	21	00	40	28		MasterComp
PERFORMANCE	0E	mm	nn	00	00		BULK HEADER
COMMON	30	00	00	24	18		Common
	30	01	00	40	28		Reverb
	30	02	00	24	18		Controller
	30	03	00	18	12		Assignable
	30	04	00	18	12		Backing
PART	31	pp	00	56	38		Part (pp = 00 – 03 (CP5), 00 – 01 (CP50); PartNo.)
	32	pp	00	40	28		PreAmp (pp = 00 – 03 (CP5), 00 – 01 (CP50); PartNo.)
	33	pp	00	40	28		ModFx (pp = 00 – 03 (CP5), 00 – 01 (CP50); PartNo.)
	34	pp	00	40	28		PowAmp (pp = 00 – 03 (CP5); PartNo.) (CP5 only)
BACKING PART	35	00	00	18	12		Backing Part
A/D PART	36	00	00	6	06		AD Part (CP5 only)
	36	01	00	40	28		AD Insertion (CP5 only)
	36	02	00	40	28		MicEffect (CP5 only)
ZONE	37	zz	00	16	10		Zone (zz = 00 – 03: ZoneNo.)
	0F	mm	nn	00	00		BULK FOOTER

Bulk Header / Footer	Address			Description
	High	Mid	Low	
HEADER	0E	mm	nn	
PERF PRESET		40	nn	Performance PRE1 (nn = 0 – 27)
		41	nn	Performance PRE2 (nn = 0 – 27)
		42	nn	Performance PRE3 (nn = 0 – 27)
PERF USER		43	nn	Performance USR1 (nn = 0 – 27)
		44	nn	Performance USR2 (nn = 0 – 27)
		45	nn	Performance USR3 (nn = 0 – 27)
PERF EDIT	4F	nn	Performance Edit Buffer (nn = 0)	
MULTIPLE CONTROL	10	00	00	
FOOTER	0F	mm	nn	
PERF PRESET		40	nn	Performance PRE1 (nn = 0 – 27)
		41	nn	Performance PRE2 (nn = 0 – 27)
		42	nn	Performance PRE3 (nn = 0 – 27)
PERF USER		43	nn	Performance USR1 (nn = 0 – 27)
		44	nn	Performance USR2 (nn = 0 – 27)
		45	nn	Performance USR3 (nn = 0 – 27)
PERF EDIT	4F	nn	Performance Edit Buffer (nn = 0)	
MULTIPLE CONTROL	11	00	00	

MIDI PARAMETER CHANGE TABLE (SYSTEM)

Utility parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
00	00	00	1	00	reserved		00	
		01	1	00	reserved		00	
		02	4	00-0F 00-0F 00-0F 00-0F	Master Tune	-102.4 - +102.3 [cent] 1st bit 3-0: bit 15-12 2nd bit 3-0: bit 11-8 3rd bit 3-0: bit 7-4 4th bit 3-0: bit 3-0	00 04 00 00	
		06	1	00	reserved		00	
		07	1	34-4C	Master Transpose	-12 - +12 [semitones]	40	
		08	1	00	reserved		00	
		09	1	00-01	Local Switch	off, on	01	
		0A	1	00-10, 7F	Basic Receive Channel	1 - 16, omni, off	00	
		0B	1	00-0F, 7F	Keyboard Transmit Channel	1 - 16, off	00	
		0C	1	00	reserved		00	
		0D	1	00	reserved		00	
		0E	1	00-01	Piano Tuning Curve	flat, stretch	01	
		0F	1	00	reserved		00	
		10	1	00-04	Keyboard Velocity Curve	norm, soft, hard, wide, fixed	00	
		11	1	01-7F	Keyboard Fixed Velocity	1 - 127	40	
		12	1	00-01	Receive/Transmit Bank Select	off, on	01	
		13	1	00-01	Receive/Transmit Program Change	off, on	01	
		14	1	00	reserved		00	
		15	1	00-01	MIDI IN/OUT	MIDI, USB	00	
		16	1	00	reserved		00	
		17	1	00	reserved		00	
		18	1	00	reserved		00	
		19	1	00	reserved		00	
		1A	1	00	reserved		00	
		1B	1	00	reserved		00	
		1C	1	00	reserved		00	
		1D	1	00	reserved		00	
		1E	1	00-01	AutoLoad Switch	off, on	00	
		1F	1	00-08	Power on Memory	PRE1, PRE2, PRE3, USR1, USR2, USR3, EXT1, EXT2, EXT3	00	
		20	1	00-27	Power on PgmNo.	1 - 40	00	
		21	1	00	reserved		00	
		22	1	00	reserved		00	
		23	1	00	reserved		00	
		24	1	00-64	FS Control Number	off, 1 - 95, 98 (Play/Stop), 99 (PCInc), 100 (PCDec)	58	
		25	1	00-5F	FC2 Control Number	off, 1 - 95	04	
		26	1	00-5F	FC1 Control Number	off, 1 - 95	0B	
		27	1	00-02	Sustain Pedal Select	FC3 (HalfOn), FC3 (HalfOff), FC4/5	00	

TOTAL SIZE = 40 28 (HEX)

Master EQ parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
00	20	00	1	34-4C	EQ Gain 1	-12 - +12 [dB]	40	
		01	1	04-28	EQ Frequency 1	32 - 2000 [Hz]	0C	
		02	1	01-78	EQ Q 1	0.1 - 12.0	07	
		03	1	00-01	EQ Shape 1	shelv, peak	00	
		04	1	34-4C	EQ Gain 2	-12 - +12 [dB]	40	
		05	1	0E-36	EQ Frequency 2	100 - 10.0 [kHz]	14	
		06	1	01-78	EQ Q 2	0.1 - 12.0	07	
		07	1	01-01	NOT USED (EQ Shape 2)	peak	01	fixed
		08	1	34-4C	EQ Gain 3	-12 - +12 [dB]	40	
		09	1	0E-36	EQ Frequency 3	100 - 10.0 [kHz]	1C	
		0A	1	01-78	EQ Q 3	0.1 - 12.0	07	
		0B	1	00	NOT USED		00	
		0C	1	34-4C	EQ Gain 4	-12 - +12 [dB]	40	
		0D	1	0E-36	EQ Frequency 4	100 - 10.0 [kHz]	2C	
		0E	1	01-78	EQ Q 4	0.1 - 12.0	07	
		0F	1	00	NOT USED		00	
		10	1	34-4C	EQ Gain 5	-12 - +12 [dB]	40	
		11	1	1C-3A	EQ Frequency 5	0.5 - 16.0 [kHz]	34	
		12	1	01-78	EQ Q 5	0.1 - 12.0	07	
		13	1	00-01	EQ Shape 5	shelv, peak	00	

TOTAL SIZE = 20 14 (HEX)

Master Compressor parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
00	21	00	2	08 20	reserved			
		02	1	00	reserved		00	
		03	1	00	reserved		00	
		04	2	00 00-1D	Low Attack	1ms - 200ms		
		06	2	00 49-79	Low Threshold	-54dB - -6dB		
		08	2	00 00-07	Low Ratio	1.0 - 20.0		
		0A	2	00 00-37	Low Gain	-∞ - +18dB		
		0C	2	00 00-1D	Mid Attack	1ms - 200ms		
		0E	2	00 49-79	Mid Threshold	-54dB - -6dB		
		10	2	00 00-07	Mid Ratio	1.0 - 20.0		
		12	2	00 00-37	Mid Gain	-∞ - +18dB		
		14	2	00 00-1D	High Attack	1ms - 200ms		
		16	2	00 49-79	High Threshold	-54dB - -6dB		
		18	2	00 00-07	High Ratio	1.0 - 20.0		
		1A	2	00 00-37	High Gain	-∞ - +18dB		
		1C	2	00 00-7C	Divide Freq Low	16Hz - 20kHz		
		1E	2	00 00-7C	Divide Freq High	16Hz - 20kHz		
		20	2	00 00-17	Common Release	10ms - 3000ms		
		22	2	00 00	reserved			
		24	1	00	reserved		00	
		25	1	00	reserved		00	
		26	1	00-01	MComp On/Off	off, on	01	
		27	1	00	reserved		00	

TOTAL SIZE = 40 28 (HEX)

MIDI PARAMETER CHANGE TABLE (PERFORMANCE COMMON)

Common parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
30	00	00	1	20 - 7F	Performance Name 1	32 - 126 (ASCII)	40	'l'
		01	1	20 - 7F	Performance Name 2	32 - 126 (ASCII)	6E	'n'
		02	1	20 - 7F	Performance Name 3	32 - 126 (ASCII)	69	'i'
		03	1	20 - 7F	Performance Name 4	32 - 126 (ASCII)	74	't'
		04	1	20 - 7F	Performance Name 5	32 - 126 (ASCII)	20	
		05	1	20 - 7F	Performance Name 6	32 - 126 (ASCII)	50	'P'
		06	1	20 - 7F	Performance Name 7	32 - 126 (ASCII)	65	'e'
		07	1	20 - 7F	Performance Name 8	32 - 126 (ASCII)	72	'r'
		08	1	20 - 7F	Performance Name 9	32 - 126 (ASCII)	66	'f'
		09	1	20 - 7F	Performance Name 10	32 - 126 (ASCII)	20	
		0A	1	00	reserved		00	
		0B	1	00	reserved		00	
		0C	1	00	reserved		00	
		0D	1	00	reserved		00	
		0E	1	00 - 01	Master Keyboard Split On/Off	off, on	00	
		0F	1	00 - 7F	Master Keyboard Split Point	C-2 - G8	3C	
		10	1	00 - 01	Master Keyboard Zone On/Off	off, on	00	
		11	1	00	reserved		00	
		12	1	00	reserved		00	
		13	1	00	reserved		00	
		14	1	00	reserved		00	
		15	1	00	reserved		00	
		16	1	00	reserved		00	
		17	1	00	reserved		00	

TOTAL SIZE = 24 18 (HEX)

Reverb parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
30	01	00	2	00 - 7F 00 - 7F	Reverb Type MSB Reverb Type LSB	Refer to Effect Parameter List		
		02	1	00	reserved		00	
		03	1	00	reserved		00	
		04	2	00 - 7F 00 - 7F	Reverb Parameter 1 MSB Reverb Parameter 1 LSB	:		
		06	2	00 - 7F 00 - 7F	Reverb Parameter 2 MSB Reverb Parameter 2 LSB	:		
		08	2	00 - 7F 00 - 7F	Reverb Parameter 3 MSB Reverb Parameter 3 LSB	:		
		0A	2	00 - 7F 00 - 7F	Reverb Parameter 4 MSB Reverb Parameter 4 LSB	:		
		0C	2	00 - 7F 00 - 7F	Reverb Parameter 5 MSB Reverb Parameter 5 LSB	:		
		0E	2	00 - 7F 00 - 7F	Reverb Parameter 6 MSB Reverb Parameter 6 LSB	:		
		10	2	00 - 7F 00 - 7F	Reverb Parameter 7 MSB Reverb Parameter 7 LSB	:		
		12	2	00 - 7F 00 - 7F	Reverb Parameter 8 MSB Reverb Parameter 8 LSB	:		
		14	2	00 - 7F 00 - 7F	Reverb Parameter 9 MSB Reverb Parameter 9 LSB	:		
		16	2	00 - 7F 00 - 7F	Reverb Parameter 10 MSB Reverb Parameter 10 LSB	:		
		18	2	00 - 7F 00 - 7F	Reverb Parameter 11 MSB Reverb Parameter 11 LSB	:		
		1A	2	00 - 7F 00 - 7F	Reverb Parameter 12 MSB Reverb Parameter 12 LSB	:		
		1C	2	00 - 7F 00 - 7F	Reverb Parameter 13 MSB Reverb Parameter 13 LSB	:		
		1E	2	00 - 7F 00 - 7F	Reverb Parameter 14 MSB Reverb Parameter 14 LSB	:		
		20	2	00 - 7F 00 - 7F	Reverb Parameter 15 MSB Reverb Parameter 15 LSB	:		

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
		22	2	00 - 7F 00 - 7F	Reverb Parameter 16 MSB Reverb Parameter 16 LSB	:		
		24	1	00	reserved		00	
		25	1	00	reserved		00	
		26	1	00 - 01	Reverb On/Off	off, on	01	
		27	1	00	reserved		00	

TOTAL SIZE = 40 28 (HEX)

Controller parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
30	02	00	1	00 - 01	Pitch Bend L1 Destination	off, modFx	00	
		01	1	00 - 01	Pitch Bend L2 Destination	off, modFx	00	CP5 only
		02	1	00 - 01	Pitch Bend R1 Destination	off, modFx	00	
		03	1	00 - 01	Pitch Bend R2 Destination	off, modFx	00	CP5 only
		04	1	00	reserved		00	
		05	1	00	reserved		00	
		06	1	00 - 02	Foot Controller 1 L1 Destination	off, volume, modFx	00	
		07	1	00 - 02	Foot Controller 1 L2 Destination	off, volume, modFx	00	CP5 only
		08	1	00 - 02	Foot Controller 1 R1 Destination	off, volume, modFx	00	
		09	1	00 - 02	Foot Controller 1 R2 Destination	off, volume, modFx	00	CP5 only
		0A	1	00	reserved		00	
		0B	1	00	reserved		00	
		0C	1	00 - 02	Foot Controller 2 L1 Destination	off, volume, modFx	00	
		0D	1	00 - 02	Foot Controller 2 L2 Destination	off, volume, modFx	00	CP5 only
		0E	1	00 - 02	Foot Controller 2 R1 Destination	off, volume, modFx	00	
		0F	1	00 - 02	Foot Controller 2 R2 Destination	off, volume, modFx	00	CP5 only
		10	1	00	reserved		00	
		11	1	00	reserved		00	
		12	1	00 - 03	Foot Switch L1 Destination	off, vibOn, bypsModFx, bypsPowAmp	00	
		13	1	00 - 03	Foot Switch L2 Destination	off, vibOn, bypsModFx, bypsPowAmp	00	CP5 only
		14	1	00 - 03	Foot Switch R1 Destination	off, vibOn, bypsModFx, bypsPowAmp	00	
		15	1	00 - 03	Foot Switch R2 Destination	off, vibOn, bypsModFx, bypsPowAmp	00	CP5 only
		16	1	00 - 01	Foot Switch Mode	momentary, latch	00	
		17	1	00	reserved		00	

TOTAL SIZE = 24 18 (HEX)

MIDI PARAMETER CHANGE TABLE (PERFORMANCE PART)

Assignable parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
30	03	00	1	00	reserved		00	
		01	1	00 – 11	Assignable Knob 1 FxBlock	off, pianoL 1, preAmpL 1, modFxD 1, powAmpL 1, ..., pianoR 2, preAmpR 2, modFxD 2, powAmpR 2, Reverb	00	
		02	1	00 – 0F	Assignable Knob 1 FxParam	param 1 .. param 16	00	
		03	1	00	reserved		00	
		04	1	00	reserved		00	
		05	1	00	reserved		00	
		06	1	00	reserved		00	
		07	1	00 – 11	Assignable Knob 2 FxBlock	off, pianoL 1, preAmpL 1, modFxD 1, powAmpL 1, ..., pianoR 2, preAmpR 2, modFxD 2, powAmpR 2, Reverb	00	
		08	1	00 – 0F	Assignable Knob 2 FxParam	param 1 .. param 16	00	
		09	1	00	reserved		00	
		0A	1	00	reserved		00	
		0B	1	00	reserved		00	
		0C	1	00	reserved		00	
		0D	1	00 – 11	Assignable Knob 3 FxBlock	off, pianoL 1, preAmpL 1, modFxD 1, powAmpL 1, ..., pianoR 2, preAmpR 2, modFxD 2, powAmpR 2, Reverb	00	
		0E	1	00 – 0F	Assignable Knob 3 FxParam	param 1 .. param 16	00	
		0F	1	00	reserved		00	
		10	1	00	reserved		00	
		11	1	00	reserved		00	

TOTAL SIZE = 18 12 (HEX)

Backing parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
30	04	00	1	00 – 02	Backing Type	preDrum, usrSong, wave	00	
		01	1	00 – 7F	Song Number	1 – 128	00	
		02	2	00 – 01 1E – 2C	Tempo MSB Tempo LSB	30 – 300	00 78	
		04	1	00 – 2F	Beat	1/4 – 16/16	03	
		05	2	00 – 00 00 – 80	Start Key	C-2 – G8, all	00 80	
		07	1	00 – 7F	Kit Number	1 – 128	00	
		08	1	20 – 7E	Wave File Name 1	32 – 126 (ASCII)	20	
		09	1	20 – 7E	Wave File Name 2	32 – 126 (ASCII)	20	
		0A	1	20 – 7E	Wave File Name 3	32 – 126 (ASCII)	20	
		0B	1	20 – 7E	Wave File Name 4	32 – 126 (ASCII)	20	
		0C	1	20 – 7E	Wave File Name 5	32 – 126 (ASCII)	20	
		0D	1	20 – 7E	Wave File Name 6	32 – 126 (ASCII)	20	
		0E	1	20 – 7E	Wave File Name 7	32 – 126 (ASCII)	20	
		0F	1	20 – 7E	Wave File Name 8	32 – 126 (ASCII)	20	
		10	1	00 – 01	Auto Key-on Start	off, on	00	
		11	1	00	reserved		00	

TOTAL SIZE = 18 12 (HEX)

Part parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
31	pp	00	1	00 – 7F	Bank Select MSB	0 – 127	00	
		01	1	00 – 7F	Bank Select LSB	0 – 127	00	
		02	1	00 – 7F	Program Number	1 – 128	00	
		03	1	00	reserved		00	
		04	1	00 – 01	Part Mode	mono, poly	01	
		05	1	00 – 7F	Note Limit Low	C-2 – G8	00	
		06	1	00 – 7F	Note Limit High	C-2 – G8	7F	
		07	1	00 – 06	Micro Tuning	Equal, PureMaj, PureMin, Pythag, MeanTn, WerckMt, KimBerger	00	
		08	1	00 – 0B	Micro Tuning Root	C – B	00	
		09	1	00	reserved		00	
		0A	1	00	reserved		00	
		0B	1	00 – 7F	Velocity Sense Depth	0 – 127	40	
		0C	1	00 – 7F	Velocity Send Offset	0 – 127	40	
		0D	1	00 – 7F	Volume	0 – 127	64	
		0E	1	01 – 7F	Pan	L63 – C – R63	40	
		0F	1	00 – 0C	Pitch Bend Range	0 – 12	02	
		10	2	00 – 0F 00 – 0F	Detune MSB Detune LSB	-12.8 – +12.7 [Hz] 1st bit 3-0: bit 7-4, 2nd bit 3-0: bit 3-0	08 00	
		12	1	00 – 7F	Reverb Send	0 – 127	28	
		13	1	00	reserved		00	
		14	1	00	reserved		00	
		15	1	28 – 58	Note Shift	-24 – +24 [semitones]	40	
		16	1	00 – 7F	Filter Cutoff Frequency	-64 – +63	40	
		17	1	00 – 7F	Filter Resonance/Width	-64 – +63	40	
		18	1	00	reserved		00	
		19	1	00 – 01	Portamento Switch	off, on	00	
		1A	1	00 – 7F	Portamento Time	0 – 127	40	
		1B	1	00 – 01	Portamento Mode	fingered, fulltime	01	
		1C	1	00	reserved		00	
		1D	1	00 – 7F	AEG Attack Time	-16 – +16	40	
		1E	1	00 – 7F	reserved		40	
		1F	1	00 – 7F	reserved		40	
		20	1	00	reserved		00	
		21	1	00	reserved		00	
		22	1	00 – 01	Part On/Off		01	
		23	1	00 – 7F	Decay Time	-16 – +16	40	
		24	1	00 – 7F	Release Time	-16 – +16	40	
		25	1	30 – 50	Key-off Sound Volume	-16 – +16	40	
		26	1	30 – 50	reserved	-16 – +16	40	
		27	1	3D – 43	Striking Position	top3, top2, top1, default, rear1, rear2, rear3	40	
		28	1	00	reserved		00	
		29	1	3E – 42	Hammer Stiffness	soft2, soft1, normal, hard1, hard2	40	
		2A	1	00	reserved		00	
		2B	1	00	reserved		00	
		2C	1	00	reserved		00	
		2D	1	00	reserved		00	
		2E	1	00	reserved		00	
		2F	1	00	reserved		00	
		30	1	00 – 01	Receive Control Change		01	
		31	1	00 – 01	Receive Pitch Bend		01	
		32	1	00 – 01	Receive FC1		01	

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
		33	1	00 – 01	Receive FC2		01	
		34	1	00 – 01	Receive FS		01	
		35	1	00 – 01	Receive Sustain		01	
		36	1	00 – 01	Receive Volume		01	
		37	1	00 – 01	Receive Pan		01	

TOTAL SIZE = 56 38 (HEX)

pp = Part Number

CP5: 00 – 03 (HEX) Part 1 – Part 4 (L1, R1, L2, R2) CP50: 00 – 01 (HEX) Part 1 – Part 2 (L, R)

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
		24	1	00	reserved		00	
		25	1	00	reserved		00	
		26	1	00 – 01	Pre-Amplifier On/Off	off, on	01	
		27	1	00	reserved		00	

TOTAL SIZE = 40 28 (HEX)

pp = Part Number

CP5: 00 – 03 (HEX) Part 1 – Part 4 (L1, R1, L2, R2) CP50: 00 – 01 (HEX) Part 1 – Part 2 (L, R)

Pre-Amplifier parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
32	pp	02	1	00	reserved		00	
		03	1	00	reserved		00	
		04	2	00 – 7F	Pre-Amplifier Parameter 1 MSB Pre-Amplifier Parameter 1 LSB	Refer to <i>Pre-Amplifier Parameter List</i> .		
		06	2	00 – 7F	Pre-Amplifier Parameter 2 MSB Pre-Amplifier Parameter 2 LSB	:		
		08	2	00 – 7F	Pre-Amplifier Parameter 3 MSB Pre-Amplifier Parameter 3 LSB	:		
		0A	2	00 – 7F	Pre-Amplifier Parameter 4 MSB Pre-Amplifier Parameter 4 LSB	:		
		0C	2	00 – 7F	Pre-Amplifier Parameter 5 MSB Pre-Amplifier Parameter 5 LSB	:		
		0E	2	00 – 7F	Pre-Amplifier Parameter 6 MSB Pre-Amplifier Parameter 6 LSB	:		
		10	2	00 – 7F	Pre-Amplifier Parameter 7 MSB Pre-Amplifier Parameter 7 LSB	:		
		12	2	00 – 7F	Pre-Amplifier Parameter 8 MSB Pre-Amplifier Parameter 8 LSB	:		
		14	2	00 – 7F	Pre-Amplifier Parameter 9 MSB Pre-Amplifier Parameter 9 LSB	:		
		16	2	00 – 7F	Pre-Amplifier Parameter 10 MSB Pre-Amplifier Parameter 10 LSB	:		
		18	2	00 – 7F	Pre-Amplifier Parameter 11 MSB Pre-Amplifier Parameter 11 LSB	:		
		1A	2	00 – 7F	Pre-Amplifier Parameter 12 MSB Pre-Amplifier Parameter 12 LSB	:		
		1C	2	00 – 7F	Pre-Amplifier Parameter 13 MSB Pre-Amplifier Parameter 13 LSB	:		
		1E	2	00 – 7F	Pre-Amplifier Parameter 14 MSB Pre-Amplifier Parameter 14 LSB	:		
		20	2	00 – 7F	Pre-Amplifier Parameter 15 MSB Pre-Amplifier Parameter 15 LSB	:		
		22	2	00 – 7F	Pre-Amplifier Parameter 16 MSB Pre-Amplifier Parameter 16 LSB	:		

Modulation Effect/Insertion 1 parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
33	pp	00	2	00 – 7F	Modulation Effect Type MSB	Refer to <i>Modulation Effect Type List and Effect Types List for Other Group</i> .		
				00 – 7F	Modulation Effect Type LSB			
		02	1	00	reserved		00	
		03	1	00	reserved		00	
		04	2	00 – 7F	Modulation Effect Parameter 1 MSB Modulation Effect Parameter 1 LSB	Refer to <i>Modulation Effect Parameter List and Effect Parameter List for Other Group</i> .		
		06	2	00 – 7F	Modulation Effect Parameter 2 MSB Modulation Effect Parameter 2 LSB	:		
		08	2	00 – 7F	Modulation Effect Parameter 3 MSB Modulation Effect Parameter 3 LSB	:		
		0A	2	00 – 7F	Modulation Effect Parameter 4 MSB Modulation Effect Parameter 4 LSB	:		
		0C	2	00 – 7F	Modulation Effect Parameter 5 MSB Modulation Effect Parameter 5 LSB	:		
		0E	2	00 – 7F	Modulation Effect Parameter 6 MSB Modulation Effect Parameter 6 LSB	:		
		10	2	00 – 7F	Modulation Effect Parameter 7 MSB Modulation Effect Parameter 7 LSB	:		
		12	2	00 – 7F	Modulation Effect Parameter 8 MSB Modulation Effect Parameter 8 LSB	:		
		14	2	00 – 7F	Modulation Effect Parameter 9 MSB Modulation Effect Parameter 9 LSB	:		
		16	2	00 – 7F	Modulation Effect Parameter 10 MSB Modulation Effect Parameter 10 LSB	:		
		18	2	00 – 7F	Modulation Effect Parameter 11 MSB Modulation Effect Parameter 11 LSB	:		
		1A	2	00 – 7F	Modulation Effect Parameter 12 MSB Modulation Effect Parameter 12 LSB	:		
		1C	2	00 – 7F	Modulation Effect Parameter 13 MSB Modulation Effect Parameter 13 LSB	:		
		1E	2	00 – 7F	Modulation Effect Parameter 14 MSB Modulation Effect Parameter 14 LSB	:		
		20	2	00 – 7F	Modulation Effect Parameter 15 MSB Modulation Effect Parameter 15 LSB	:		

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
		22	2	00 – 7F 00 – 7F	Modulation Effect Parameter 16 MSB Modulation Effect Parameter 16 LSB	:		
		24	1	00	reserved		00	
		25	1	00	reserved		00	
		26	1	00 – 01	Modulation Effect On/Off	off, on	01	
		27	1	00	reserved		00	

TOTAL SIZE = 40 28 (HEX)

pp = Part Number
CP5: 00 – 03 (HEX) Part 1 – Part 4 (L1, R1, L2, R2)

Power-Amplifier/Insertion 2 parameters (CP5 only)

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
34	pp	00	2	00 – 7F 00 – 7F	Power-Amp Type MSB Power-Amp Type LSB	Refer to <i>Power-Amplifier/Compressor Type List and Effect Types List for Other Group.</i>		
		02	1	00	reserved		00	
		03	1	00	reserved		00	
		04	2	00 – 7F 00 – 7F	Power-Amp Parameter 1 MSB Power-Amp Parameter 1 LSB	Refer to <i>Power-Amplifier/Compressor Parameter List and Effect Parameter List for Other Group.</i>		
		06	2	00 – 7F 00 – 7F	Power-Amp Parameter 2 MSB Power-Amp Parameter 2 LSB	:		
		08	2	00 – 7F 00 – 7F	Power-Amp Parameter 3 MSB Power-Amp Parameter 3 LSB	:		
		0A	2	00 – 7F 00 – 7F	Power-Amp Parameter 4 MSB Power-Amp Parameter 4 LSB	:		
		0C	2	00 – 7F 00 – 7F	Power-Amp Parameter 5 MSB Power-Amp Parameter 5 LSB	:		
		0E	2	00 – 7F 00 – 7F	Power-Amp Parameter 6 MSB Power-Amp Parameter 6 LSB	:		
		10	2	00 – 7F 00 – 7F	Power-Amp Parameter 7 MSB Power-Amp Parameter 7 LSB	:		
		12	2	00 – 7F 00 – 7F	Power-Amp Parameter 8 MSB Power-Amp Parameter 8 LSB	:		
		14	2	00 – 7F 00 – 7F	Power-Amp Parameter 9 MSB Power-Amp Parameter 9 LSB	:		
		16	2	00 – 7F 00 – 7F	Power-Amp Parameter 10 MSB Power-Amp Parameter 10 LSB	:		
		18	2	00 – 7F 00 – 7F	Power-Amp Parameter 11 MSB Power-Amp Parameter 11 LSB	:		
		1A	2	00 – 7F 00 – 7F	Power-Amp Parameter 12 MSB Power-Amp Parameter 12 LSB	:		
		1C	2	00 – 7F 00 – 7F	Power-Amp Parameter 13 MSB Power-Amp Parameter 13 LSB	:		
		1E	2	00 – 7F 00 – 7F	Power-Amp Parameter 14 MSB Power-Amp Parameter 14 LSB	:		

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
		20	2	00 – 7F 00 – 7F	Power-Amp Parameter 15 MSB Power-Amp Parameter 15 LSB	:		
		22	2	00 – 7F 00 – 7F	Power-Amp Parameter 16 MSB Power-Amp Parameter 16 LSB	:		
		24	1	00	reserved		00	
		25	1	00	reserved		00	
		26	1	00 – 01	Power-Amp On/Off	off, on	01	
		27	1	00	reserved		00	

TOTAL SIZE = 40 28 (HEX)

pp = Part Number
CP5: 00 – 03 (HEX) Part1 – Part4 (L1, R1, L2, R2) CP50: 00 – 01 (HEX) Part1 – Part2 (L, R)

Backing Part parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
35	00	00	1	00 – 01	Part Switch	off, on	01	
		01	1	00 – 7F	Part Volume	0 – 127	64	
		02	1	01 – 7F	Part Pan	L63 – C – R63	40	
		03	1	00 – 7F	Part ReverbSend	0 – 127	00	
		04	2	00 – 01 2E – 36	reserved	50.1 – 2.00k	00 36	
		06	1	20 – 60	reserved	-32 – +32	40	
		07	1	00	reserved		00	
		08	2	01 – 01 03 – 7F	reserved	503.8 – 14k	01 67	
		0A	1	20 – 60	reserved	-32 – +32	40	
		0B	1	00	reserved		00	

TOTAL SIZE = 12 0C (HEX)

MIC INPUT Part parameters (CP5 only)

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
36	00	00	1	00 – 01	Part Switch		01	
		01	1	00 – 7F	Audio Input Part Volume	0 – 127	64	
		02	1	01 – 7F	Audio Input Part Pan	L63 – C – R63	40	Inactive when playing Wave files.
		03	1	00 – 7F	Audio Input Reverb Send	0 – 127	00	Inactive when playing Wave files.
		04	1	00	reserved		00	
		05	1	00	reserved		00	

TOTAL SIZE = 6 6 (HEX)

MIC Insertion Effect parameters (CP5 only)

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
36	01	00	2	00 – 7F 00 – 7F	Ins Type MSB Ins Type LSB	Refer to Effect Parameter List of Other group.		
		02	1	00	reserved		00	
		03	1	00	reserved		00	
		04	2	00 – 7F 00 – 7F	Ins Parameter 1 MSB Ins Parameter 1 LSB	:		
		06	2	00 – 7F 00 – 7F	Ins Parameter 2 MSB Ins Parameter 2 LSB	:		
		08	2	00 – 7F 00 – 7F	Ins Parameter 3 MSB Ins Parameter 3 LSB	:		
		0A	2	00 – 7F 00 – 7F	Ins Parameter 4 MSB Ins Parameter 4 LSB	:		
		0C	2	00 – 7F 00 – 7F	Ins Parameter 5 MSB Ins Parameter 5 LSB	:		

MIDI PARAMETER CHANGE TABLE (PERFORMANCE ZONE)

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
		0E	2	00 – 7F 00 – 7F	Ins Parameter 6 MSB Ins Parameter 6 LSB	:		
		10	2	00 – 7F 00 – 7F	Ins Parameter 7 MSB Ins Parameter 7 LSB	:		
		12	2	00 – 7F 00 – 7F	Ins Parameter 8 MSB Ins Parameter 8 LSB	:		
		14	2	00 – 7F 00 – 7F	Ins Parameter 9 MSB Ins Parameter 9 LSB	:		
		16	2	00 – 7F 00 – 7F	Ins Parameter 10 MSB Ins Parameter 10 LSB	:		
		18	2	00 – 7F 00 – 7F	Ins Parameter 11 MSB Ins Parameter 11 LSB	:		
		1A	2	00 – 7F 00 – 7F	Ins Parameter 12 MSB Ins Parameter 12 LSB	:		
		1C	2	00 – 7F 00 – 7F	Ins Parameter 13 MSB Ins Parameter 13 LSB	:		
		1E	2	00 – 7F 00 – 7F	Ins Parameter 14 MSB Ins Parameter 14 LSB	:		
		20	2	00 – 7F 00 – 7F	Ins Parameter 15 MSB Ins Parameter 15 LSB	:		
		22	2	00 – 7F 00 – 7F	Ins Parameter 16 MSB Ins Parameter 16 LSB	:		
		24	1	00	reserved		00	
		25	1	00	reserved		00	
		26	1	00	reserved		00	
		27	1	00	reserved		00	

TOTAL SIZE = 40 28 (HEX)

Mic Effect parameters (CP5 only)

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
36	02	00 02	2	0D 70	reserved			
		02	1	00	reserved		00	
		03	1	00	reserved		00	
		04	2	00 00 – 13	Comp Attack	1ms – 40ms		
		06	2	00 00 – 0F	Comp Release	10ms – 680ms		
		08	2	00 4F – 79	Comp Threshold	-48dB – -6dB		
		0A	2	00 00 – 07	Comp Ratio	1.0 – 20.0		
		0C	2	00 00 – 7F	Comp Output Level	0 – 127		
		0E	2	00 04 – 28	EQ Low Frequency	32Hz – 2.0kHz		
		10	2	00 34 – 4C	EQ Low Gain	-12dB – +12dB		
		12	2	00 1C – 3A	EQ High Frequency	500Hz – 16.0kHz		
		14	2	00 34 – 4C	EQ High Gain	-12dB – +12dB		
		16	2	00 00	reserved			
		18	2	00 00 – 13	Noise Gate Attack	1ms – 40ms		
		1A	2	00 00 – 0F	Noise Gate Release	10ms – 680ms		
		1C	2	00 36 – 61	Noise Gate Threshold	-73dB – -30dB		
		1E	2	00 0E – 36	EQ Mid Frequency	100Hz – 10.0kHz		
		20	2	00 34 – 4C	EQ Mid Gain	-12dB – +12dB		
		22	2	00 01 – 78	EQ Mid Width	0.1 – 12.0		
		24	1	00 – 01	Noise Gate Switch	off, on	01	
		25	1	00 – 01	Compressor Switch	off, on	01	
		26	1	00	reserved		00	
		27	1	00	reserved		00	

TOTAL SIZE = 40 28 (HEX)

Zone parameters

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
37	zz	00	1	00 – 3F	Transmit Channel, Target	bit 0-3: Ch 1 – 16 bit 4: MIDI off, on bit 5: TG off, on	Zone1: xx, Zone2: xx, Zone3: xx, Zone4: xx	
		01	1	3D – 43	Transpose (Octave)	-3 – +3	40	
		02	1	35 – 4B	Transpose (Semitone)	-11 – +11	40	
		03	1	00 – 7F	Note Limit Low	C-2 – G8	00	
		04	1	00 – 7F	Note Limit High	C-2 – G8	7F	
		05	1	00	reserved		00	
		06	1	00	reserved		00	
		07	1	00 – 7F	MIDI Volume	0 – 127	7F	
		08	1	00 – 7F	MIDI Pan	0 – 127	40	
		09	1	00 – 7F	MIDI Bank MSB	0 – 127	00	
		0A	1	00 – 7F	MIDI Bank LSB	0 – 127	00	
		0B	1	00 – 7F	MIDI Program Number	1 – 128	00	
		0C	1	00 – 0F	Transmit Bank Select Transmit Program Change Transmit Volume Transmit Pan	bit 0: off, on Bank Select bit 1: off, on Program Change bit 2: off, on Volume bit 3: off, on Pan	0F	
		0D	1	00 – 1F	Transmit PB Transmit FC 1 Transmit FC 2 Transmit FS Transmit Sus	bit 0: off, on PB bit 1: off, on FC1 bit 2: off, on FC2 bit 3: off, on FS bit 4: off, on Sus	1F	
		0E	1	00	reserved		00	
		0F	1	00	reserved		00	

TOTAL SIZE = 16 10 (HEX)

zz = Zone Number
00 – 03 (HEX) Zone 1 – Zone 4

Function...	Transmitted	Recognized	Remarks	
Basic Channel	Default Changed	1 - 16 1 - 16	1 - 16 1 - 16	Memorized
Mode	Default Messages Altered	3 X *****	1 1,3 X	Memorized
Note Number : True voice		0 - 127 *****	0 - 127 0 - 127	Transpose
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 X	
Pitch Bend		O	O	
Control Change	0,32 5 7,10,11 6,38 64 66 67 72,75 91 96-97 100-101 1-31,33-95	O X O X O O O X O X X O	O O O O O O O O O O O O	Bank Select Portamento Time Data Entry Sustain Sw Sostenuto Soft Pedal Sound Controller Effect Depth RPN Inc,Dec RPN LSB,MSB Assignable Cntrl
Prog Change : True #		O 0 - 127 *****	O 0 - 127 0 - 39	
System Exclusive		O	O	
Common : Song Pos. : Song Sel. : Tune		X X X	X X X	
System : Clock Real Time : Commands		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	O (120,126,127) O (121) X 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



Yamaha Web Site (English only)
<http://www.yamahasyth.com/>
Yamaha Manual Library
<http://www.yamaha.co.jp/manual/>