



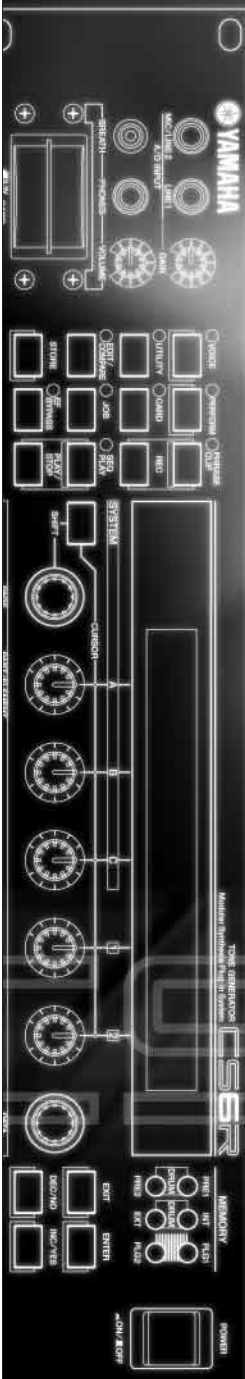
CS6X

CONTROL SYNTHESIZER

CS6R

TONE GENERATOR

データリスト



MODULAR SYNTHESIS
PLUG-IN SYSTEM

CS6x
CONTROL SYNTHESIZER

CS6R
TONE GENERATOR

データリスト

目次

CS6x/CS6Rボイスリスト	4
ドラムボイスリスト	10
ウェーブリスト	13
コントロールリスト	14
アルペジオタイプリスト	15
エフェクトタイプリスト	16
エフェクトパラメーターリスト	16
MIDIについて	25
MIDIデータフォーマット	25
MIDIデータテーブル	29
MIDIインプリメンテーションチャート	38

CS6x/CS6Rボイスリスト

Preset 1 (MSB=63, LSB=0)

No.	Voice Name	Category	Reverb Type	Chorus Type	Insertion1 Type	Insertion2 Type	MW	PB	AT	FC	BC	FS	RB	Kn1	Kn2
1	Grand	Pf	Hall 1	Chorus 1	Thru	Thru	ChoSend	off	off	off	off	off	FLT-Frq	FLT-Frq	RevSend
2	Ivories	Pf	Hall 1	Chorus 1	3band EQ	Thru	CLFO-D1	off	off	off	off	off	ChoSend	ChoSend	RevSend
3	For Ballad	Pf	Hall 1	Delay LR	Thru	Chorus 4	ELM-Lvl	off	off	off	off	off	Volume	RevSend	ChoSend
4	BasicRoadz	Pf	Hall 2	Chorus 1	3band EQ	Auto Pan	ChoSend, ChoSend	off	off	off	off	off	ChoSend	InsL prm2	InsL prm1
5	DF Roadz	Pf	Hall 1	Chorus 1	3band EQ	Pitch Change 1	ChoSend	off	off	off	off	off	ChoSend	InsS prm2	InsS prm7
6	RT Roadz	Pf	Stage 1	Chorus 1	Auto Pan	Phaser 1	InsS prm1, InsS prm2	off	off	off	off	off	InsL prm1	InsL prm10	RevSend
7	SunShine	Pf	Stage 1	Chorus 1	Auto Pan	Compressor	InsS prm1	off	off	off	off	off	InsS prm1	InsS prm2	RevSend
8	Club Daz	Pf	Room 1	Phaser	Overdrive	Thru	InsS prm10	off	off	off	off	off	ELFO-AM	InsS prm1	ChoSend, RevSend
9	Fusion	Pf	Hall 1	Phaser	Touch Wah	3Band EQ	CLFO-D1	off	off	off	off	off	InsS prm1	RevSend	ChoSend
10	CP2000	Pf	Hall 1	Flanger 3	3band EQ	Thru	ChoSend	off	off	off	off	off	ELM-Pan	CLFO-D1	FLT-Frq
11	DXAtacky	Pf	Hall 1	Celeste 1	Chorus 3	Thru	CLFO-D1	off	off	off	off	off	InsS prm1	RevSend	ChoSend
12	Dark DX	Pf	Hall 1	Chorus 1	Thru	Thru	CLFO-D1	off	off	off	off	off	FLT-Frq	FLT-Frq	ChoSend, RevSend
13	Wurlf	Pf	Plate	Chorus 2	AMP Simulator	Tremolo	InsL prm2, InsL prm1	off	off	off	off	off	ChoSend	RevSend	InsS prm1
14	Clavint	Pf	Stage 2	Phaser	Thru	Thru	ChoSend, Volume	off	off	off	off	off	FLT-Rez	FLT-Frq	FEG-D1
15	Clav Wah	Pf	Stage 2	Phaser	Touch Wah	Thru	ChoSend, Volume	off	off	off	off	off	FLT-Rez	FLT-Frq	FEG-D1
16	Full	Or	Hall 1	Chorus 1	3band EQ	2Way Rotary Speaker 3	InsL prm16, ChoSend, ELM-Lvl	off	off	off	off	off	ELM-Lvl	ELM-Lvl	ELM-Lvl
17	Perc Org	Or	Hall 1	Chorus 1	3band EQ	2Way Rotary Speaker 3	InsL prm16, ChoSend, ELM-Lvl	off	off	off	off	off	InsL prm12	InsL prm9	RevSend
18	E Bird	Or	Hall 1	Chorus 4	Thru	Rotary Speaker 1	InsL prm1	off	off	off	off	off	ELM-Lvl	ELM-Lvl	ELM-Lvl
19	4 Bars	Or	Hall 1	Chorus 1	Overdrive	Rotary Speaker 1	InsL prm1	off	off	off	off	off	InsS prm10	InsS prm10	ELM-Lvl
20	Jazz	Or	Room 1	Chorus 1	Overdrive	Rotary Speaker 1	InsL prm1	off	off	off	off	off	FLT-Rez	InsL prm9	InsL prm1
21	Swish	Or	Hall 1	Chorus 1	Thru	2Way Rotary Speaker	ELM-Lvl, ChoSend	off	off	off	off	off	FLT-Frq	ELM-Lvl	ELM-Lvl, InsL prm1
22	Vox	Or	Stage 1	Chorus 1	AMP Simulator	Thru	ChoSend	off	off	off	off	off	ChoSend	FLT-Frq	InsS prm1
23	Tube	Or	Hall 1	Chorus 3	AMP Simulator	2Way Rotary Speaker 3	InsL prm16, InsL prm9	off	off	off	off	off	ELM-Lvl	InsS prm1	InsL prm9, FLT-Frq
24	Gospel	Or	Hall 1	Chorus 4	Overdrive	Rotary Speaker 1	InsL prm1, ChoSend, ELM-Lvl	off	off	off	off	off	InsS prm5	InsL prm9	InsL prm1
25	ClickOrgan	Or	Hall 1	Chorus 1	Overdrive	Rotary Speaker 1	InsL prm1	off	off	off	off	off	InsL prm1	ELM-Lvl	ELM-Lvl
26	Jimmy	Or	Hall 1	Chorus 1	3band EQ	Amp Simu + 2Way Rotary Speaker	InsL prm1	off	off	off	off	off	InsL prm1	InsL prm14	InsS prm2
27	Accordion	Or	Hall 1	Ensemble	Thru	Thru	ChoSend	off	off	off	off	off	FLT-Frq	HPF-Frq	FLT-Frq
28	Monica	Rd	Stage 1	Ensemble	AMP Simulator	Touch WAH	ELFO-PM	FLT-Frq	ELFO-PM	off	off	off	FLT-Frq	InsL prm2	ELFO-AM
29	18 String	Gt	Hall 2	Chorus 1	3band EQ	2Band EQ	CLFO-D1	off	off	off	off	off	PCH-Crs	ChoSend	FLT-Frq
30	New Nylon	Gt	Hall 1	Chorus 1	3band EQ	Thru	CLFO-D1	off	off	off	off	off	CLFO-D1	ELM-Lvl	ELM-Lvl, FLT-Frq
31	JazzGtmelo	Gt	Hall 1	Chorus 1	3band EQ	3Band EQ	CLFO-D1	off	off	off	off	off	PCH-Crs	InsS prm4	ChoSend
32	Elec-Acouc	Gt	Hall 1	Delay LR	Chorus 1	Comp Distortion	ELFO-PM	off	off	off	off	off	InsS prm1	ELM-Lvl, ELM-Lvl	ChoSend
33	Acoustic	Gt	Hall 1	Chorus 1	Thru	Thru	ELFO-PM	off	off	off	off	off	FLT-Frq	FEG-D1	ChoSend
34	ChorStrat	Gt	Hall 1	Chorus 4	3band EQ	AMP Simulator	CLFO-D1	off	off	off	off	off	PCH-Crs	ChoSend	InsS prm2
35	Cry	Gt	Hall 1	Chorus 1	Auto Wah	Comp+Dist+Delay	ELFO-PM	off	off	off	off	off	InsS prm3	InsS prm1	ChoSend, Volume
36	Blood	Gt	Hall 1	Delay LR	AMP Simulator	2Band EQ	ELM-Lvl	off	off	off	off	off	PCH-Crs	RevSend	ChoSend
37	Birdy	Gt	Room 3	Phaser	3band EQ	V-Distortion	ELFO-PM	off	off	off	off	off	InsL prm4	InsL prm1, Volume	InsL prm11
38	Mute	Gt	Room 3	Phaser	Thru	Compressor	ELFO-PM, ChoSend	off	off	off	off	off	HPF-Frq	FLT-Frq	FLT-Rez
39	Feedback	Gt	Room 3	Chorus 4	3band EQ	V-Distortion	ELFO-PM	off	off	off	off	off	InsL prm4	InsL prm11	InsL prm1
40	100 Watts	Gt	Room 3	Phaser	3band EQ	V-Distortion	ELFO-PM	off	off	off	off	off	InsL prm4	InsL prm11	InsL prm1
41	Prec Bass	Ba	Hall 1	Chorus 1	AMP Simulator	3Band EQ	CLFO-D1	off	off	off	off	off	PCH-Crs	ChoSend	InsL prm1
42	Fing Sting	Ba	Hall 1	Chorus 1	Exciter	3Band EQ	CLFO-D1	off	off	off	off	off	PCH-Crs	ChoSend	InsL prm1
43	Fretless	Ba	Hall 1	Chorus 1	3band EQ	Thru	ELFO-PM	off	off	off	off	off	ChoSend	FLT-Frq	RevSend
44	Slap	Ba	Room 1	Chorus 1	Compressor	Thru	ELFO-PM	off	off	off	off	off	ChoSend	FLT-Frq	RevSend
45	Upright	Ba	Room 1	Chorus 1	3band EQ	Thru	ELFO-PM	off	off	off	off	off	ChoSend	FLT-Frq, FLT-Frq	ELM-Lvl
46	Lately	Ba	Room 3	Control Delay1	Compressor	AMP Simulator	ELFO-PM	off	off	off	off	off	InsL prm3	InsL prm10	ELFOSpd
47	Mini	Ba	Room 1	Chorus 1	3band EQ	Pitch Change 1	FLT-Frq	off	off	off	off	off	ELM-Lvl	ChoSend	ELM-Lvl
48	Dry Syn	Ba	Hall 1	Chorus 1	Thru	Thru	CLFO-D1	off	off	off	off	off	FLT-Frq	FEG-D1	ChoSend
49	Dark	Ba	Stage 2	Chorus 1	Thru	Thru	FLT-Frq	off	off	off	off	off	FLT-Frq	FEG-Atk, FEG-D1	ChoSend, ELM-Lvl
50	Deep Rez	Ba	Hall 1	Flanger 1	Thru	Thru	CLFO-D1	off	off	off	off	off	PCH-Crs	FLT-Frq	FLT-Rez
51	Background	St	Hall 2	Chorus 1	3band EQ	3Band EQ	CLFO-D1	off	off	off	off	off	FLT-Frq	ChoSend	AEG-Atk
52	CelloSmall	St	Hall 1	Chorus 1	Thru	Thru	CLFO-D1, CLFO-D2	off	off	off	off	off	Volume	ELM-Lvl	RevSend
53	Big String	St	Hall 1	Chorus 1	Thru	Thru	ELFO-PM	off	off	off	off	off	ELM-Lvl	RevSend	FLT-Frq, FLT-Rez
54	Cello Big	St	Hall 1	Chorus 1	Thru	Thru	CLFO-D1, CLFO-D2	off	off	off	off	off	FLT-Frq	ELM-Lvl	RevSend
55	Mellow Str	St	Hall 2	Chorus 4	3band EQ	Thru	CLFO-D1	off	off	off	off	off	PCH-Crs	RevSend	ChoSend
56	Pizzicato	St	Hall 1	Chorus 3	Thru	Thru	ChoSend	off	off	off	off	off	FLT-Rez	FLT-Frq	AEG-D1
57	Small Anna	St	Hall 1	Ensemble	Thru	Thru	ChoSend, Volume	off	off	off	off	off	FLT-Frq	FLT-Frq	AEG-Atk, AEG-Rel
58	ObiStrings	St	Hall 2	Chorus 5	Exciter	Cross Delay	FLT-Frq, FLT-Rez	off	off	off	off	off	FLT-Frq	InsS prm1	ChoSend
59	AnaStrings	St	Hall 2	Ensemble	Chorus 1	Cross Delay	CLFO-D1, FLT-Frq	off	off	off	off	off	FLT-Rez, FLT-Frq	InsS prm10	ChoSend
60	Soft Syn	St	Hall 2	Chorus 5	Exciter	Cross Delay	FLT-Frq, FLT-Rez	off	off	off	off	off	FLT-Frq	InsS prm1	ChoSend
61	Violin	St	Hall 1	Chorus 1	Thru	Thru	CLFO-D1, CLFO-D2	off	off	off	off	off	Volume	ChoSend	RevSend
62	Agitato	St	Hall 1	Chorus 1	3band EQ	Thru	ChoSend	off	off	off	off	off	FLT-Frq	FLT-Frq	ELFO-AM, ELFO-FM, CLFOSpd
63	Harp	St	Hall 1	Celeste 2	3band EQ	Thru	ELFO-PM	off	off	off	off	off	FLT-Frq	RevSend	ChoSend
64	Aah Choir	Vo	Hall 2	Chorus 5	Exciter	Thru	FLT-Frq, ELM-Lvl, ELM-Lvl	off	off	off	off	off	HPF-Frq	AEG-Atk	InsS prm1

No.	Voice Name	Category	Reverb Type	Chorus Type	Insertion1 Type	Insertion2 Type	MW	PB	AT	FC	BC	FS	RB	Kn1	Kn2
65	Ooh Choir	Vo	Hall 2	Chorus 5	Exciter	Thru	FLT-Frq, ELM-Lvl	off	off	off	off	off	HPF-Frq	AEG-Atk	InsS prm1
66	Choir Tak	En	Hall 1	Chorus 1	Exciter	3Band EQ	ELFO-PM, ELFO-AM	off	off	off	off	off	FLT-Frq, FLT-Rez	FLT-Frq	FLT-Rez
67	Med Brass	Br	Stage 2	Chorus 1	Thru	Thru	ELFO-FM, ELFO-PM	off	Volume, FLT-Frq	off	off	off	off	FLT-Frq	ChoSend
68	Combi	Br	Hall 1	Ensemble	Thru	Thru	ChoSend	off	off	off	off	off	HPF-Frq	FLT-Frq	PCH-Crs
69	Fanfare	Br	Hall 1	Chorus 1	3band EQ	Thru	CLFO-D1	off	off	off	off	off	PCH-Crs	ELM-Lvl	RevSend
70	Dark Brass	Br	Hall 1	Chorus 1	Thru	Thru	ELFO-FM, ELFO-PM	off	off	off	off	off	PCH-Crs	FLT-Frq	ChoSend, Volume
71	Trombones	Br	Hall 2	Chorus 1	2band EQ	Cross Delay	CLFO-D1	off	off	off	off	off	FLT-Frq	ChoSend	FLT-Frq
72	Trumpet	Br	Hall 1	Ensemble	Thru	Delay LCR	ELFO-PM, ELFO-FM	off	off	off	off	off	FLT-Frq	RevSend	ChoSend, FLT-Rez
73	Mute Tpt	Br	Hall 1	Chorus 1	3band EQ	Thru	ELFO-PM	ELFO-AM	off	off	off	off	FLT-Frq	RevSend	HPF-Frq
74	Fr Horns	Br	Hall 1	Chorus 1	Thru	Delay LCR	ELFO-PM, ELFO-AM	off	off	off	off	off	FLT-Frq	RevSend	ChoSend
75	Oberhorns	Br	Hall 1	Chorus 4	Thru	Cross Delay	CLFO-D1	off	off	off	off	off	FLT-Frq	FEG-Atk	ChoSend
76	PowerSynth	Br	Hall 1	Chorus 1	3band EQ	Harmonic Enhancer	CLFO-D1	off	off	off	off	off	PCH-Crs	InsL prm3	RevSend
77	Fat Brazz	Br	Hall 1	Chorus 4	Thru	Cross Delay	ELFO-PM	off	off	off	off	off	FLT-Frq	FEG-Atk	ChoSend
78	J Stabs	Br	Hall 1	Delay LR	Thru	Ensemble Detune	ELFO-PM	off	off	off	off	off	PCH-Crs	RevSend	ChoSend
79	Moon	Br	Hall 1	Chorus 1	3band EQ	Harmonic Enhancer	CLFO-D1	off	FLT-Frq, Volume	off	off	off	FLT-Frq	PCH-Crs	RevSend
80	M Brass	Br	Hall 2	Delay LR	3band EQ	Chorus 4	CLFO-D1	off	off	off	off	off	FLT-Frq	RevSend	ChoSend
81	Tenor Sax	Rd	Hall 1	Chorus 1	3band EQ	Thru	ELFO-PM, ELFO-AM	off	off	off	off	off	FLT-Frq	FLT-Frq	ChoSend
82	Alto Sax	Rd	Hall 1	Chorus 1	3band EQ	Thru	ELFO-PM, ELFO-AM	off	off	off	off	off	FLT-Frq	FLT-Frq	ChoSend
83	Soprano	Rd	Hall 1	Delay LR	3band EQ	Thru	ELFO-PM	off	off	off	off	off	ELFO-PM	RevSend	ChoSend
84	Clarinet	Rd	Hall 1	Chorus 1	3band EQ	Thru	ELFO-PM, ELFO-AM	off	off	off	off	off	FLT-Frq	RevSend	FLT-Frq, FLT-Rez
85	Oboe	Rd	Hall 1	Chorus 1	Thru	Thru	ELFO-PM, ELFO-AM	off	off	off	off	off	FLT-Frq	RevSend	FLT-Frq
86	Bassoon	Rd	Hall 1	Chorus 1	Thru	Thru	ELFO-PM	ELFO-AM	off	off	off	off	FLT-Frq	RevSend	FLT-Frq
87	Pan Flute	Pi	Hall 1	Chorus 1	Thru	Thru	ELFO-AM, ELFO-FM	off	off	off	off	off	FLT-Frq	FLT-Frq, FLT-Rez	AEG-Atk
88	Breathy	Pi	Hall 1	Chorus 1	Thru	Thru	CLFO-D1, CLFO-D2	off	off	off	off	off	FLT-Frq	FLT-Frq	ELM-Lvl
89	Smooth Saw	Ld	Hall 1	Delay LR	Thru	Thru	ELFO-PM	off	off	off	off	off	FLT-Frq	FLT-Frq	ChoSend, Volume, RevSend
90	Europe	Ld	Hall 1	Ensemble	Distortion	Cross Delay	ELFO-PM, ELM-Lvl	off	ELFO-PM	off	off	off	FLT-Frq	PCH-Fin	PCH-Fin
91	Lucky	Ld	Hall 1	Chorus 3	Thru	Thru	ELFO-PM	off	off	off	off	off	FLT-Frq	FLT-Frq	ChoSend, Volume
92	Sneaky	Ld	Hall 1	Chorus 1	Thru	Thru	ELFO-PM	off	off	off	off	off	FLT-Frq	FEG-Dpt	FLT-Rez
93	Phazefilt	Ld	Hall 1	Tempo Phaser	Chorus 1	Ensemble Detune	ELFO-PM	off	off	off	off	off	PCH-Crs	InsS prm10, InsL prm10, InsS prm2	PEG-Dpt
94	Mini Pulse	Ld	Hall 2	Chorus 2	Compressor	Tempo Cross Delay	ELFO-PM	off	off	off	off	off	FLT-Frq	ChoSend	RevSend, InsL prm10
95	BreathSaw	Ld	Hall 1	Delay LR	2band EQ	Ambience	ELFO-PM, ELFO-AM	off	off	off	off	off	FLT-Frq, FLT-Rez	ELM-Lvl	RevSend
96	Lovely	Ld	Hall 1	Ensemble	Distortion	Cross Delay	CLFO-D1	off	off	off	off	off	FLT-Frq	ELM-Lvl	FEG-Atk, AEG-Atk
97	Swan	Pd	Hall 2	Symphonic	Chorus 3	Harmonic Enhancer	PCH-Fin	off	off	off	off	off	FLT-Frq	InsS prm3, InsS prm10, InsS prm6	InsL prm2
98	Nuages	Pd	Hall 1	Chorus 1	Tremolo	Delay LR	ELFO-PM, FLT-Frq	off	ELFO-PM	off	off	off	FLT-Rez	FEG-Atk	InsL prm10
99	Sleep	Pd	Hall 1	Celeste 1	Thru	Thru	ELFO-PM	off	off	off	off	off	FLT-Frq	FLT-Rez	ChoSend
100	Brassy	Pd	Hall 1	Delay LR	Chorus 1	V-Flanger	ELM-Lvl	off	off	off	off	off	PCH-Crs	FLT-Frq	InsL prm14, InsL prm2
101	5th Breath	Pd	Hall 2	Ensemble	Exciter	Cross Delay	CLFO-D1	off	off	off	off	off	FLT-Frq	FLT-Frq, FLT-Rez	InsL prm10
102	The Pad!	Pd	Hall 1	Chorus 1	Exciter	Thru	ELFO-PM, FLT-Frq	off	ELFO-PM	off	off	off	ChoSend	FLT-Frq	FLT-Rez
103	Kemistry	Pd	Hall 1	Chorus 1	Celeste 1	Hall 1	FLT-Frq	off	off	off	off	off	PCH-Crs	RevSend	AEG-Atk
104	JM Pad	Pd	Hall 2	Chorus 1	Thru	Phaser 2	CLFO-D1	off	off	off	off	off	FLT-Frq	InsL prm1	ChoSend
105	Starlight	Fx	Hall 1	Chorus 1	Thru	Pitch Change 2	ELFOSpd	off	off	off	off	off	ELM-Lvl	FLT-Frq	ChoSend
106	Sitar	Et	Hall 1	Flanger 1	3band EQ	Ensemble Detune	ELFO-PM	off	off	off	off	off	FLT-Frq	ChoSend	RevSend
107	Steel Drum	Et	Hall 1	Chorus 1	Thru	Thru	ChoSend	off	off	off	off	off	FLT-Frq, FLT-Rez	FLT-Frq	RevSend
108	Cyba Whip	Pc	Stage 2	Chorus 1	Thru	V-Flanger	InsL prm2	off	off	off	off	off	FLT-Rez	FLT-Frq	AEG-Atk
109	ChimeTree	Pc	Hall 2	Celeste 2	Thru	Thru	ELFO-AM	off	off	off	off	off	ChoSend	PCH-Crs	RevSend
110	Glocken	Cp	Hall 2	Celeste 2	Thru	Thru	ChoSend	off	off	off	off	off	FLT-Frq	RevSend	ELFO-PM
111	Marimba	Cp	Hall 1	Celeste 2	Thru	Thru	ELFO-AM	off	off	off	off	off	FLT-Frq	RevSend, ChoSend	FLT-Frq, FLT-Rez
112	Eastern	Cp	Hall 1	Celeste 1	Chorus 1	Thru	ChoSend	off	off	off	off	off	PCH-Crs	FLT-Frq	PCH-Crs
113	Gamelan	Cp	Hall 1	Symphonic	Thru	Thru	ChoSend	off	off	off	off	off	PCH-Crs	FLT-Frq	AEG-Atk, AEG-Rel
114	Vibes	Cp	Hall 1	Celeste 2	Thru	3Band EQ	ChoSend	off	off	off	off	off	FLT-Frq	ELFO-AM	ELFOSpd
115	Fingerbell	Cp	Hall 1	Celeste 2	Thru	Thru	ELFO-PM, ELFO-AM	off	off	off	off	off	FLT-Frq	RevSend	ChoSend
116	Tiny Bell	Cp	Hall 1	Chorus 1	Chorus 1	Thru	ChoSend	off	off	off	off	off	ELFO-AM	FLT-Frq	AEG-Atk
117	Pulsate	Sc	Hall 1	Phaser	3band EQ	Cross Delay	ELFO-PM	off	off	off	off	off	FLT-Rez, FLT-Frq	ChoSend	RevSend
118	TX 802	Sc	Hall 2	Celeste 3	3band EQ	Pitch Change 1	ELFO-PM, ELFO-FM	off	off	off	off	off	ChoSend	FLT-Frq, FEG-D2	InsL prm10
119	Power Keys	Sc	Room 1	Chorus 1	3band EQ	Phaser 2	InsL prm2, InsL prm4, InsL prm10	off	off	off	off	off	ChoSend	InsL prm1	RevSend
120	Arena Syn	Sc	Hall 1	Chorus 1	Exciter	Thru	ELFO-PM, FLT-Frq	off	ELFO-PM	off	off	off	ChoSend	FLT-Frq	FLT-Rez
121	Strat Pad	Co	Hall 1	Chorus 1	Compressor	V-Distortion	ELFO-PM	off	off	off	off	off	FLT-Frq	ELM-Lvl, ELM-Lvl	ChoSend
122	Wind Orch	Co	Hall 1	Ensemble	3band EQ	Thru	CLFO-D1, CLFO-D2, ELFO-PM, ELFO-FM	off	off	off	off	off	FLT-Frq	FLT-Frq	ELM-Lvl
123	Soft Dream	Co	Hall 2	Symphonic	Celeste 4	Thru	CLFO-D1, ChoSend	off	off	off	off	off	FLT-Frq	FLT-Frq	ChoSend
124	Amanda	Co	Stage 1	Delay LR	2band EQ	Celeste 4	ELFO-PM	off	ELFO-PM	off	off	off	FLT-Frq	RevSend	ChoSend
125	Turrtables	Se	Hall 1	Chorus 1	Thru	LO-Fi	ELFO-PM, ELFO-FM	off	off	off	off	off	PCH-Crs	ChoSend	PCH-Crs
126	Rainstorm	Se	Hall 1	Chorus 3	Thru	Thru	FLT-Frq	off	off	off	off	off	ChoSend	PCH-Crs	ELM-Lvl
127	Sirens	Se	Hall 1	Chorus 1	Thru	Thru	RevSend	off	off	off	off	off	ChoSend	ELFOSpd	ChoSend
128	Helicopta	Se	Hall 1	Phaser	Thru	Auto Pan	FLT-Rez, FLT-Frq	ELFOSpd	off	off	off	off	PCH-Crs	ELM-Lvl	RevSend

Preset 2 (MSB=63, LSB=1)

No.	Voice Name	Category	Reverb Type	Chorus Type	Insertion1 Type	Insertion2 Type	MW	PB	AT	FC	BC	FS	RB	Kn1	Kn2
1	BriteGrand	Pf	Hall 1	Chorus 1	3band EQ	Flanger 3	InsL_prm10	off	off	off	off	off	PCH-Crs	ChoSend	RevSend
2	Slamming	Pf	Room 3	Tempo Delay2	Compressor	Voice Cancelar	AEG-D1	off	off	off	off	off	FLT-Frq	InsL_prm11	InsL_prm12
3	Danzze	Pf	Room 1	Control Delay1	Overdrive	Thru	ChoSend, RevSend	off	off	off	off	off	AEG-D1	ELM-Pan	FLT-Frq
4	House	Pf	Room 2	Control Delay2	Compressor	Ambience	RevSend	off	off	off	off	off	AEG-D1	InsL_prm10	ChoSend, FLT-Frq
5	M25	Pf	Hall 1	Tempo Delay1	Exciter	Pitch Change 1	InsL_prm10	off	off	off	off	off	FEG-D1	PCH-Fin	ChoSend
6	AcidFly	Pf	Stage 1	Delay LR	AMP Simulator	Digital Scratch	ChoSend, RevSend	off	off	off	off	off	FLT-Frq	InsL_prm5	InsL_prm11
7	Garage Rds	Pf	Hall 1	Delay LR	Chorus 1	Auto WAH	InsL_prm2	off	off	off	off	off	FLT-Frq	InsL_prm1	InsL_prm2, InsL_prm10
8	Road Case	Pf	Hall 1	Tempo Delay2	Compressor	Auto Pan	InsL_prm2	off	off	off	off	off	InsL_prm1	ChoSend	FLT-Frq, FEG-Dpt
9	Amp Wurli	Pf	Room 1	Celeste 1	Overdrive	Tremolo	InsL_prm2, Volume	off	off	off	off	off	FLT-Frq	InsS_prm10	InsS_prm1, RevSend
10	Ibiza	Co	Hall 1	Tempo Delay1	Compressor	Celeste 4	FLT-Frq	off	off	off	off	off	ELM-Lvl	RevSend	ChoSend
11	Melpiano	Co	Plate	Chorus 1	Thru	Symphonic	ELM-Lvl	off	off	off	off	off	FLT-Frq	ELM-Lvl	ELM-Lvl
12	Ritzy	Or	Hall 2	Chorus 1	Thru	Thru	AEG-D1, ChoSend	off	off	off	off	off	ELM-Pan, ELM-Pan	RevSend	FLT-Frq
13	Old Skool	Or	Plate	Tempo Delay1	Compressor	Harmonic Enhancer	ChoSend	off	off	off	off	off	AEG-D2	ELM-Lvl	ELM-Lvl
14	Fluffy	Or	Room 1	Chorus 1	Overdrive	Rotary Speaker 1	InsL_prm1	off	off	off	off	off	InsS_prm1	InsL_prm9	InsL_prm1
15	Orbital	Or	Hall 1	Delay LR	Thru	Thru	ELFO-PM	off	off	off	off	off	FLT-Frq	RevSend	ChoSend
16	Vox Conti	Or	Plate	Chorus 1	AMP Simulator	Rotary Speaker 1	InsL_prm1, InsL_prm2	off	off	off	off	off	InsS_prm1	ELM-Lvl	InsL_prm1
17	First Bars	Or	Hall 1	Chorus 1	Overdrive	Rotary Speaker 1	InsL_prm1, ChoSend, ELM-Lvl	off	off	off	off	off	InsS_prm10	ELM-Lvl	ELM-Lvl
18	RhoBassFiz	Or	Room 1	Chorus 1	AMP Simulator	Rotary Speaker 1	InsL_prm1, InsL_prm2	off	off	off	off	off	InsS_prm1	RevSend	InsL_prm1
19	Miles	Gt	Hall 1	Chorus 2	Thru	Delay LR	ELM-Lvl, ELM-Lvl	off	off	off	off	off	PCH-Crs	RevSend	InsL_prm10
20	Sad Guitar	Gt	Hall 1	Symphonic	AMP Simulator	Pitch Change 1	ELFO-PM	off	off	off	off	off	FLT-Frq	ChoSend	RevSend
21	P.F. Echo	Gt	Room 3	Delay LR	3band EQ	Dist + 2Way Rotary Speaker	ELFO-PM	off	off	off	off	off	InsL_prm1	ChoSend	InsL_prm14, Volume
22	Trancy	Ba	Hall 1	Chorus 4	Thru	Delay LR	ChoSend, ELM-Lvl	off	off	off	off	off	FLT-Rez	FEG-Atk	InsL_prm10
23	Mutiny	Ba	Room 1	Chorus 1	Thru	Thru	ELFO-PM, Volume	off	off	off	off	off	FLT-Frq	FEG-D1, FEG-Atk	FLT-Rez
24	Bassline	Ba	Hall 1	Flanger 2	Distortion	Delay LCR	ChoSend, ELM-Lvl	off	off	off	off	off	FLT-Frq	FEG-Atk	InsS_prm10, InsL_prm10
25	DX100	Ba	Room 3	Chorus 1	Thru	Thru	FLT-Frq	off	off	off	off	off	ELM-Pan	RevSend	ELFO-FM
26	Modular	Ba	Hall 2	Chorus 1	Thru	Thru	FEG-Dpt	off	off	off	off	off	PCH-Crs, FLT-Frq	RevSend	ChoSend
27	Strobe	Ba	Hall 1	Chorus 1	Thru	Harmonic Enhancer	ELFO-FM	off	off	off	off	off	ELFOSpd	FEG-Dpt, FLT-Frq	InsL_prm3, Volume
28	D-sub	Ba	Hall 1	Flanger 1	Thru	Thru	ELFO-PM	off	off	off	off	off	PCH-Crs	FLT-Frq	ChoSend
29	Sine Sub	Ba	Stage 2	Phaser	2band EQ	Distortion	InsL_prm10, AEG-Rel	off	off	off	off	off	InsL_prm10	InsL_prm10, AEG-Rel	InsL_prm1
30	Compton	Ba	Room 2	Symphonic	Compressor	Low Resolution	AEG-D1, RevSend	off	off	off	off	off	FLT-Frq, ChoSend	ELM-Lvl	AEG-Rel
31	Velo	Ba	Stage 2	Chorus 1	Thru	Auto WAH	InsL_prm10, RevSend, ELM-Lvl	off	off	off	off	off	FLT-Rez	FEG-Atk	ChoSend
32	Boom Bass	Ba	Room 3	Symphonic	Compressor	Voice Cancelar	PEG-Atk	off	off	off	off	off	InsL_prm11	ELFO-PM	ELFOSpd
33	Network	Ba	Room 2	Delay LR	Thru	Thru	RevSend	off	off	off	off	off	FLT-Frq	FEG-D1	ChoSend
34	Sonicbass	Ba	Hall 1	Tempo Delay2	Chorus 1	Thru	off	off	off	off	off	off	ELFOSpd, PCH-Crs, FLT-Frq	PCH-Crs, ELM-Lvl, ChoSend	
35	Snoop	Ba	Hall 1	Phaser	3band EQ	Thru	ELFO-PM	off	off	off	off	off	PCH-Crs	FLT-Frq	ChoSend, RevSend
36	Biscuit	Ba	Hall 1	Tempo Cross Delay	Flanger 1	Thru	ELFO-FM, ELM-Lvl	off	off	off	off	off	InsS_prm2	InsS_prm10, ChoSend	InsS_prm3
37	Monty	Ba	Room 3	Symphonic	Compressor	Voice Cancelar	PEG-Atk	off	off	off	off	off	PCH-Fin	ELFO-PM	ELFOSpd
38	Downright	Ba	Hall 2	Control Delay1	Compressor	Qdru + 2Way Rotary Speaker	InsL_prm14	off	off	off	off	off	HPF-Rez	InsL_prm4	InsL_prm1
39	Drone	Ba	Hall 2	Chorus 2	Compressor	Tempo Delay 2	FLT-Frq, CLFOSpd, FLT-Rez	off	off	off	off	off	ELM-Pan	RevSend	ChoSend
40	Additive	Ba	Stage 1	Chorus 1	Chorus 1	Low Resolution	ELFO-FM	off	off	off	off	off	InsL_prm1	InsL_prm7	FEG-D1
41	FM Perko	Ba	Room 1	Chorus 2	Compressor	V-Flanger	ChoSend, ELM-Lvl, Volume	off	off	off	off	off	FLT-Frq	RevSend	FLT-Frq
42	Mediale	St	Hall 2	Chorus 1	Compressor	Delay LCR	FLT-Frq, ChoSend, Volume	off	off	off	off	off	AEG-Atk	InsL_prm10	ChoSend
43	Big Syn	St	Hall 2	Chorus 5	Exciter	Cross Delay	FLT-Frq, FLT-Rez	off	off	off	off	off	FLT-Frq	ELM-Lvl	ELM-Lvl
44	Chocolat	St	Hall 1	Chorus 1	3band EQ	Cross Delay	FLT-Frq, ELM-Lvl	off	off	off	off	off	FLT-Frq	CLFO-D1	ChoSend
45	Chorus	Pd	Plate	off	Chorus 3	Talking Modulator	CLFO-D1, CLFO-D2	off	off	off	off	off	FLT-Frq	InsL_prm1	InsS_prm3
46	Richchoir	Vo	Plate	Chorus 1	3band EQ	Thru	CLFO-D1, CLFO-D2	off	off	off	off	off	FLT-Frq	CLFOSpd	ChoSend
47	Chandelier	Vo	Hall 2	Ensemble	Exciter	Chorus 4	InsS_prm1, ELM-Lvl, FLT-Frq	off	off	off	off	off	FLT-Frq	InsS_prm1	FLT-Frq
48	Topia	Vo	Room 3	Tempo Delay1	3band EQ	Ambience	CLFO-D1, CLFO-D2	off	off	off	off	off	FLT-Frq	CLFOSpd	InsL_prm10
49	Sutra	Vo	Canyon	Chorus 2	Chorus 2	Talking Modulator	InsL_prm1	off	off	off	off	off	InsL_prm1	CLFO-D1, CLFO-D2	CLFOSpd
50	Panmonks	Vo	Plate	Delay LR	Tremolo	Ensemble Detune	PCH-Fin	off	off	off	off	off	FLT-Frq	InsS_prm2, ELM-Lvl	InsS_prm1
51	Voicy	Vo	Hall 2	Chorus 1	Compressor	Hall 2	ELM-Lvl, ELM-Lvl, FLT-Frq	off	off	off	off	off	FLT-Rez	RevSend	ELM-Pan
52	TekkBrass	Br	Hall 1	Chorus 4	Distortion	Cross Delay	ChoSend, ELM-Lvl	off	off	ELFO-PM	off	off	FLT-Frq	PCH-Fin	ChoSend
53	CS80	Br	Hall 1	Delay LR	Thru	Thru	ELFO-PM	off	off	off	off	off	PCH-Crs	FLT-Frq, FLT-Rez	PEG-Dpt, AEG-Atk
54	One Horn	Br	Hall 2	Chorus 1	Compressor	Tempo Cross Delay	FLT-Frq, ChoSend, RevSend	off	off	off	off	off	FEG-Atk	InsL_prm10	FLT-Rez
55	T-Eight	Br	Hall 1	Delay LR	Chorus 1	Compressor	ELFO-PM, CLFOSpd, InsS_prm10	off	off	off	off	off	PCH-Crs	FLT-Frq	FEG-Atk
56	EgoSix	Br	Hall 2	Chorus 2	Compressor	Early Ref 1	ChoSend, RevSend, FLT-Frq	off	off	off	off	off	FEG-Atk	InsL_prm10	ChoSend
57	HausBrass	Br	Stage 2	Chorus 4	AMP Simulator	Compressor	PEG-Dpt	off	off	off	off	off	FLT-Frq	InsS_prm3	PCH-Fin
58	MX Sax	Rd	Room 3	Tempo Delay1	3band EQ	Ambience	CLFO-D1, CLFO-D2	off	off	off	off	off	FLT-Frq	CLFOSpd	InsL_prm10
59	Hoppy Sax	Rd	Hall 1	Chorus 2	Auto Wah	LO-FI	ELFO-PM, ELFOSpd	off	off	InsS_prm9	off	off	InsS_prm3	InsL_prm2	InsS_prm1
60	Tech Lead	Ld	Hall 1	Ensemble	Auto Wah	Delay LR	ELFO-PM	off	off	off	off	off	FLT-Frq	InsS_prm9	InsS_prm1
61	Rap Lead 1	Ld	Hall 1	Chorus 1	Thru	Thru	ELFO-PM	off	off	off	off	off	ChoSend	FLT-Frq	FLT-Rez
62	Rap Lead 2	Ld	Hall 1	Chorus 1	Thru	Thru	ELFO-PM	off	off	off	off	off	ChoSend	FLT-Frq	FLT-Rez
63	Rap Lead 3	Ld	Hall 1	Chorus 1	Thru	Thru	ELFO-PM	off	off	off	off	off	PCH-Crs	FLT-Frq	FLT-Rez
64	1 is more	Ld	Hall 1	Ensemble	Thru	Delay LR	CLFO-D1	off	off	off	off	off	FLT-Frq	ChoSend	AEG-Atk

No.	Voice Name	Category	Reverb Type	Chorus Type	Insertion1 Type	Insertion2 Type	MW	PB	AT	FC	BC	FS	RB	Kn1	Kn2
65	EchoSaw	Ld	Hall 1	Tempo Delay2	2band EQ	Phaser 2	CLFO-D1	off	CLFO-D1	off	off	off	FLT-Frq	RevSend	ChoSend
66	Sync Lead	Ld	Hall 1	Delay LR	Exciter	Ensemble Detune	ELFO-PM	off	off	off	off	off	FLT-Frq	InsS prm1	ELM-Lvl
67	X-File	Ld	Stage 1	Delay LR	Thru	V-Flanger	ELFO-PM	off	off	off	off	off	PCH-Crs	PorTime	RevSend
68	Oasis	Pd	Hall 2	Celeste 4	Auto Pan	Cross Delay	ELFO-PM, ELFO-FM	off	off	off	off	off	FLT-Rez, FLT-Frq	InsS prm1	PCH-Crs
69	Fat Sweep	Pd	Hall 2	Symphonic	Chorus 4	Cross Delay	ELFO-PM	off	off	off	off	off	FLT-Frq	ChoSend	InsL prm10
70	Luminosity	Pd	Hall 1	Chorus 1	Flanger 2	Delay LCR	ELFO-AM	off	off	off	off	off	InsS prm3, InsS prm10	RevSend	ChoSend
71	Sartori	Pd	Canyon	Chorus 2	Phaser	Auto Pan	ELM-Lvl, ELM-Lvl, FLT-Frq	off	off	off	off	off	FLT-Frq	InsL prm1	ChoSend
72	Jupiter	Pd	Hall 1	Chorus 1	Thru	Celeste 2	ELFO-AM	off	off	off	off	off	FLT-Frq	ELFOspd	InsL prm10
73	Wahbrass	Pd	Hall 2	Chorus 4	Exciter	Tempo Phaser	CLFO-D1	off	off	off	off	off	FLT-Frq	ELM-Lvl	ELM-Lvl
74	Sine Pad	Pd	Hall 2	Chorus 1	Thru	Symphonic	CLFO-D1	off	off	off	off	off	InsL prm1	ChoSend	RevSend
75	RoundGlass	Pd	Stage 1	Celeste 1	Phaser	Auto Pan	ELFO-AM	off	off	off	off	off	PCH-Crs	RevSend	ChoSend
76	White Pad	Pd	Hall 2	Delay LR	Chorus 4	Chorus 5	CLFO-D1	off	off	off	off	off	FLT-Frq	FLT-Frq	InsL prm1, InsL prm2
77	Dark Angel	Pd	Tunnel	Tempo Cross Delay	Celeste 3	Thru	FLT-Rez, FLT-Frq, ELM-Lvl	FLT-Frq	off	off	off	off	InsS prm3, InsS prm1	off	off
78	Warmer	Pd	Hall 1	Chorus 1	Thru	Thru	CLFO-D1	off	off	off	off	off	FLT-Frq	RevSend	ChoSend
79	Dazed	Pd	Hall 1	Chorus 1	Phaser	Hall 1	FLT-Frq	off	off	off	off	off	PCH-Crs	RevSend	ChoSend
80	CM Pad	Pd	Hall 1	Symphonic	Flanger 1	Cross Delay	ELFO-PM	off	off	off	off	off	FLT-Frq, AEG-Atk, FLT-Rez	ELM-Lvl	InsS prm3
81	Panorama	Pd	Hall 1	Chorus 1	Thru	Echo	ELFO-PM	off	off	off	off	off	FLT-Frq	ELM-Lvl	ChoSend
82	Glacier	Pd	Stage 1	Tempo Cross Delay	Celeste 4	Harmonic Enhancer	InsS prm1	off	off	off	off	off	PCH-Crs	ELM-Lvl	ChoSend
83	Sunnydaze	Pd	Stage 1	Tempo Cross Delay	Chorus 1	Chorus 1	ELFO-AM, ELM-Lvl	off	off	off	off	off	InsL prm2	InsL prm10, InsS prm10	ELFOspd
84	Cronen	Pd	Plate	off	Chorus 3	Rotary Speaker 1	InsL prm1, InsL prm9	off	off	off	off	off	InsS prm2	ELM-Lvl, ELM-Lvl	InsS prm3
85	Sprinkler	Pd	Hall 1	Chorus 1	Thru	V-Flanger	ChoSend, Volume	off	off	off	off	off	PCH-Crs	ELM-Lvl	AEG-Atk, AEG-Rel
86	Nush	Pd	Room 3	Tempo Cross Delay	Celeste 3	Harmonic Enhancer	ELFO-FM, ELFOspd	off	off	off	off	off	ELFO-AM	InsL prm1	InsL prm2
87	Ethereal	Pd	Plate	Symphonic	Thru	Thru	CLFO-D1	off	off	off	off	off	FLT-Frq	CLFOspd	ChoSend
88	HPFx	Fx	Hall 2	Ensemble	Exciter	Cross Delay	CLFO-D1, ELM-Lvl	off	off	off	off	off	FLT-Frq	FEG-Dpt	InsL prm10
89	Sleep	Fx	Tunnel	Chorus 5	Exciter	Delay LR	ELFO-FM	off	off	off	off	off	FLT-Frq	InsL prm10	InsS prm2
90	Chlorophyl	Fx	Hall 2	Symphonic	Auto Pan	Talking Modulator	ELM-Lvl	off	off	off	off	off	FLT-Frq	InsS prm1	ChoSend
91	Mayflower	Fx	Canyon	Tempo Cross Delay	Flanger 3	Compressor	ELFO-AM, PCH-Fin	off	off	off	off	off	PCH-Crs	ELFOspd, ELFO-PM	InsS prm1
92	Light Ray	Fx	Hall 1	Chorus 1	Phaser	Flanger 2	FLT-Frq	off	off	off	off	off	ELFOspd	PCH-Crs	ELFO-AM
93	Algae	Fx	Stage 1	Symphonic	Exciter	Voice Cancelar	InsS prm3, InsS prm2	off	off	off	off	off	CLFO-D2	InsS prm1	CLFOspd
94	So Deep	Fx	Hall 2	Symphonic	Thru	Thru	FLT-Frq	off	off	off	off	off	PCH-Crs	ELM-Lvl	ChoSend
95	Jets	Se	Hall 1	Phaser	Thru	Phaser 2	ELFO-FM	off	off	off	off	off	InsL prm1	ChoSend	FLT-Frq, PCH-Crs
96	Plukker	Sc	White Room	Celeste 3	Thru	Thru	ELFO-PM	off	off	off	off	off	PCH-Crs	FLT-Frq	RevSend
97	G-na-G	Sc	Hall 2	Celeste 4	Chorus 2	Thru	PCH-Fin, PCH-Fin	off	off	off	off	off	FLT-Frq, FLT-Rez	RevSend	FEG-D1
98	Del Mar	Sc	Stage 1	Chorus 1	Thru	Delay LR	FLT-Frq	off	off	off	off	off	FLT-Rez	InsL prm10	ELM-Lvl
99	Pulse Clav	Sc	Hall 1	Phaser	Thru	Thru	ELFO-PM	off	off	off	off	off	FLT-Frq	FLT-Rez	RevSend, ChoSend
100	Rezzo	Sc	Hall 2	Flanger 1	Compressor	Control Delay1	FLT-Frq, ChoSend, FLT-Rez	off	off	off	off	off	FLT-Frq	FLT-Rez	RevSend
101	Sebastian	Sc	Hall 2	Chorus 1	3band EQ	Delay LCR	ELFO-PM, ELFO-FM	off	off	off	off	off	FLT-Frq, FEG-D2	InsL prm10	ELM-Lvl
102	Saw Perc	Sc	Hall 1	Ensemble	Flanger 1	Cross Delay	ChoSend	off	off	off	off	off	FLT-Frq	InsS prm10	InsL prm10
103	PolyPoly	Sc	Hall 1	Ensemble	Auto Wah	Delay LR	FLT-Frq	off	off	off	off	off	FLT-Rez	AEG-D2, FEG-Dpt	InsS prm9
104	Portachord	Sc	Hall 1	Chorus 4	Thru	Delay LR	FLT-Rez, FLT-Frq, ChoSend	off	off	off	off	off	FLT-Frq	FEG-Atk	ChoSend
105	Play Hip	Sc	Room 1	Chorus 3	AMP Simulator	Tempo Delay 2	FLT-Frq, RevSend	off	off	off	off	off	FLT-Rez	ChoSend	RevSend
106	Thin Man	Sc	Hall 2	Ensemble	Compressor	Cross Delay	FLT-Frq	off	off	off	off	off	FLT-Frq	AEG-Atk, AEG-Rel	ChoSend, ELM-Lvl
107	Spitter	Sc	Hall 1	Chorus 1	3band EQ	Flanger 1	ELFO-PM	off	off	off	off	off	FLT-Frq, FLT-Rez	ELM-Lvl	RevSend
108	Straight	Sc	Hall 1	Ensemble	Celeste 4	Cross Delay	ELFO-PM	off	off	off	off	off	FLT-Frq	FLT-Rez	ELM-Lvl
109	Arabesque	Sc	Hall 1	Chorus 1	Compressor	Hall 2	FLT-Frq, ELM-Lvl, ELM-Pan	off	off	off	off	off	FLT-Frq	InsL prm13	AEG-D1
110	Tranzkor	Sc	Room 3	Chorus 2	Compressor	Talking Modulator	InsL prm1	off	off	off	off	off	InsL prm1	ELM-Lvl	InsS prm3, InsS prm5
111	Percolator	Sc	Basement	Tempo Delay1	Thru	Thru	ELFO-PM	off	ELFO-PM	off	off	off	PCH-Crs	RevSend	ChoSend
112	AnalogSplt	Co	Hall 1	Chorus 1	Phaser	Tempo Delay 2	ELFO-PM	off	ELFO-PM	off	off	off	FLT-Frq	InsS prm1	InsL prm10
113	Opener	Sq	Hall 1	Tempo Cross Delay	Chorus 4	Tempo Phaser	FLT-Frq, InsL prm10	off	off	off	off	off	FLT-Frq	FEG-Atk	ChoSend, InsL prm10
114	Collusion	Sq	Stage 1	Chorus 1	Thru	Delay LR	FLT-Frq	off	off	off	off	off	ELM-Pan	PCH-Crs	ELFO-AM
115	Double Arp	Sq	Hall 1	Tempo Cross Delay	Thru	Ensemble Detune	FLT-Frq, InsL prm10	off	off	off	off	off	FLT-Rez	FEG-Atk	ChoSend, InsL prm10
116	DX Flangi	Sq	Room 2	Tempo Delay1	Compressor	Tempo Flanger	ChoSend, InsL prm10, AEG-D1	off	off	off	off	off	FLT-Frq	ELM-Lvl	RevSend
117	Circle	Sq	Hall 2	Phaser	Compressor	Tempo Delay 2	ELM-Lvl, AEG-D1, ChoSend	off	off	off	off	off	FLT-Frq	FLT-Rez	RevSend
118	Laizer	Sq	Hall 2	Chorus 2	Compressor	Tempo Delay 2	ELM-Lvl, FLT-Frq, ChoSend	off	off	off	off	off	ELM-Lvl	ELM-Dly	InsL prm10
119	Healer	Sq	Room 1	Ensemble	Phaser	Delay LR	ELFO-PM	off	off	off	off	off	PorTime	RevSend	InsL prm10
120	Chips	Sq	Hall 1	Tempo Cross Delay	Thru	Ensemble Detune	FLT-Frq, FEG-D1	off	off	off	off	off	FLT-Frq	FEG-D1, FLT-Frq	InsL prm10
121	3D Light	Sq	Hall 2	Tempo Delay1	Phaser	Hall 2	ELM-Lvl, FLT-Frq, RevSend	off	off	off	off	off	ELM-Pan	AEG-Atk	ELM-Pan
122	Chordal	Sq	Hall 1	Chorus 4	Thru	Delay LR	AEG-D2, FLT-Frq	off	off	off	off	off	FLT-Frq	PEG-Dpt	InsL prm10, ChoSend
123	Soft Attck	Sq	Hall 1	Tempo Cross Delay	Thru	Ensemble Detune	AEG-D2, FEG-D1	off	off	off	off	off	FLT-Frq	ELM-Lvl, FLT-Frq	InsL prm10
124	Orgmatic	Sq	Hall 2	Phaser	Compressor	Tempo Delay 2	InsL prm10, ELM-Lvl, ELM-Lvl	off	off	off	off	off	FLT-Frq	FLT-Rez	RevSend
125	Short Cut	Sq	Hall 1	Delay LR	Thru	Thru	FLT-Frq	off	off	off	off	off	FLT-Rez	FEG-Atk	FEG-Dpt, ELM-Lvl
126	StepSeq	Sq	Room 1	Ensemble	Phaser	Thru	InsS prm10	off	off	off	off	off	PCH-Crs	RevSend	ChoSend
127	Alone	Sq	Hall 1	Tempo Cross Delay	Compressor	Ensemble Detune	FLT-Frq	FEG-D1	off	off	off	off	FLT-Frq	ELM-Lvl	InsL prm10
128	Spectral	Sq	White Room	Ensemble	Compressor	Tempo Delay 1	AEG-D1, ChoSend	ELM-Pan	off	off	off	off	FLT-Frq	FLT-Frq	RevSend

Internal (MSB=63, LSB=8)

No.	Voice Name	Category	Reverb Type	Chorus Type	Insertion1 Type	Insertion2 Type	MW	PB	AT	FC	BC	FS	RB	Kn1	Kn2
1	Generation	Sq	Hall 2	Tempo Cross Delay	Exciter	Ensemble Detune	FLT-Rez, FLT-Frq	off	off	off	off	off	FLT-Frq	FLT-Rez	InsS prm1
2	Champ	Fx	Hall 2	Delay LR	Chorus 1	Ensemble Detune	FLT-Rez, ELM-Lvl	off	off	off	off	off	FLT-Frq	FEG-Atk	InsL prm10
3	Puppy	Sq	Hall 2	Chorus 5	Auto Wah	V-Distortion	ELM-Lvl	off	off	off	off	off	RevSend	InsL prm1	PCH-Crs
4	Don'tLetGo	Fx	Hall 1	Control Delay1	Chorus 4	Delay LR	ELFO-PM, ELFO-FM, ELFOSpd	off	off	off	off	off	FLT-Frq	PCH-Crs	RevSend
5	Berlin	Sc	Hall 2	Flanger 3	Chorus 4	Cross Delay	ChoSend, ELM-Lvl, FLT-Frq	off	off	off	off	off	FLT-Frq	FLT-Frq	PEG-Dpt
6	Frequencyz	Sq	off	Tempo Cross Delay	Thru	Gate Reverb	ChoSend	off	off	off	off	off	FLT-Frq, FLT-Frq	FLT-Frq, FLT-Frq	InsL prm10
7	1001 Sub	Ba	Stage 2	Ensemble	Thru	Echo	ChoSend, ELM-Lvl	off	off	off	off	off	FLT-Frq	FLT-Frq, FEG-D1	InsL prm10
8	Oberweich	Pd	Hall 1	Chorus 1	Thru	Thru	CLFO-D1	off	off	off	off	off	FLT-Frq	RevSend	ChoSend
9	Hard road	Sq	Hall 1	Flanger 2	AMP Simulator	Delay LR	FEG-Atk, FLT-Frq	off	off	off	off	off	FLT-Frq	FEG-Atk, FLT-Frq	InsS prm6
10	Protection	Fx	Plate	Symphonic	Compressor	Auto Synth	InsL prm10, AEG-Atk, FEG-Atk	off	off	off	off	off	PCH-Fin	InsL prm12	InsL prm3
11	Nodes	Sq	Room 3	Control Delay1	Compressor	LO-FI	InsL prm1	off	off	off	off	off	InsL prm10	InsL prm2	PEG-Atk
12	Flangefilt	Ld	Hall 1	Tempo Cross Delay	Celeste 1	Tempo Flanger	InsS prm10	off	off	off	off	off	FLT-Frq	InsL prm2, InsS prm3	InsS prm1, InsS prm2
13	FormaWheel	Ba	White Room	Celeste 3	Compressor	Talking Modulator	InsL prm1, ChoSend	off	off	off	off	off	FLT-Frq, FLT-Frq	AEG-Atk	RevSend
14	Ambi Star	Fx	Hall 2	Ensemble	Flanger 3	Cross Delay	FLT-Frq, FLT-Rez, ChoSend	off	off	off	off	off	PCH-Crs	InsS prm1	InsS prm10
15	Assembly	Fx	Hall 2	Celeste 4	3band EQ	Talking Modulator	InsL prm1, ELFO-FM	off	off	off	off	off	FLT-Frq	InsL prm1	ELM-Lvl
16	Topnotched	Fx	Hall 1	Tempo Delay2	Thru	Thru	ChoSend	off	off	off	off	off	ELFO-AM	ELFOSpd	FLT-Frq, FLT-Frq
17	Foundation	Sq	Hall 1	Tempo Cross Delay	Exciter	Ensemble Detune	FLT-Frq	off	off	off	off	off	FLT-Frq	InsS prm1	ChoSend
18	Sweezy	Ba	Hall 2	Chorus 4	Thru	Delay LR	FLT-Frq, ChoSend	off	off	off	off	off	FLT-Rez	FEG-Atk	InsL prm10, ChoSend
19	Roxy	Fx	Hall 2	Ensemble	Chorus 4	Thru	CLFO-D1, CLFO-D2, ELM-Lvl	off	off	off	off	off	FLT-Rez	FEG-Dpt	CLFOSpd
20	Quartz	Sq	Tunnel	Control Delay1	Flanger 3	Voice Cancelar	ELM-Lvl	off	off	off	off	off	InsS prm10	InsL prm11	InsL prm12
21	No-Tech	Sq	Hall 1	Ensemble	Phaser	Pitch Change 2	InsS prm1	off	off	off	off	off	PCH-Crs	ELM-Lvl	InsS prm10
22	Atom	Sq	White Room	Phaser	Thru	Talking Modulator	ELFOSpd	off	off	off	off	off	ELM-Lvl	InsL prm1	PCH-Crs
23	Mistubishi	Ld	Plate	Chorus 2	Exciter	Tech Modulation	CLFO-D1, ELFO-FM	off	off	off	off	off	PCH-Fin	InsS prm3	InsL prm2
24	Les Lee	Fx	Plate	Ensemble	Phaser	Auto Pan	ELFO-FM, FLT-Frq, ELFO-AM	off	off	off	off	off	InsS prm9	ELFOSpd	InsL prm1
25	Synfonic	Sq	Hall 2	Chorus 1	Thru	Tempo Cross Delay	InsL prm10, ChoSend, FLT-Frq	off	off	off	off	off	FLT-Frq	InsL prm10	RevSend
26	Bones	Sc	White Room	Tempo Phaser	Thru	Noisy	AEG-D1, ChoSend	off	off	off	off	off	FLT-Frq	AEG-Atk, FLT-Frq	ELM-Pan
27	Gleam	Pd	Hall 1	Delay LR	Chorus 1	Thru	ELFO-AM	off	off	off	off	off	PCH-Crs	RevSend	InsS prm10
28	Fuzzline	Ba	Hall 1	Phaser	Distortion	Delay LR	ChoSend, ELM-Lvl	off	off	off	off	off	InsS prm4	InsS prm10, ELM-Lvl	InsL prm10
29	Filtopia	Sc	Hall 1	Chorus 1	Compressor	Hall 2	ELM-Lvl, ChoSend, FLT-Frq	off	off	off	off	off	ELM-Pan	FEG-Atk	FLT-Frq
30	Perfecto	Pd	Hall 1	Delay LR	Chorus 1	Thru	CLFOSpd	FLT-Frq	off	off	off	off	FLT-Frq	CLFO-D1	FLT-Frq, FLT-Frq
31	Let's Goa	Ba	Plate	Tempo Flanger	Phaser	Tempo Cross Delay	ChoSend, RevSend	off	off	off	off	off	InsS prm2	ELM-Lvl, ELM-Lvl	PCH-Crs
32	X-Talk	Sq	White Room	Celeste 3	Compressor	Talking Modulator	InsL prm1, ChoSend, Volume	off	off	off	off	off	AEG-D1	ELM-Lvl	RevSend
33	Shine Seq	Sq	Hall 1	Tempo Cross Delay	Chorus 1	Ensemble Detune	FLT-Rez	off	off	off	off	off	FLT-Rez	FLT-Frq, ELM-Lvl, CLFO-D1	FLT-Rez
34	Alphawaves	Fx	Canyon	Tempo Cross Delay	Phaser	Flanger 3	ELFO-AM	off	off	off	off	off	CLFOSpd	ELFOSpd, ELFOSpd	ELFO-PM, CLFO-D2
35	Sheen	Sc	Hall 1	Chorus 1	Auto Wah	Cross Delay	InsS prm2	off	off	off	off	off	FLT-Frq	ChoSend	InsL prm10
36	Vector	Fx	Hall 1	Ensemble	Celeste 1	Flanger 1	InsS prm1	off	off	off	off	off	PCH-Crs	ELM-Lvl	ChoSend
37	Hacker	Se	Hall 1	Tempo Cross Delay	Compressor	Gate Reverb	ELFO-FM	off	off	off	off	off	ELFOSpd	CLFO-D1	CLFO-D2
38	Leftfield	Sq	Stage 1	Chorus 1	Thru	Delay LR	FEG-D1	off	off	off	off	off	FLT-Frq	ChoSend	RevSend
39	Insomnia	Sc	Hall 1	Tempo Phaser	Compressor	Thru	FLT-Frq	off	off	off	off	off	PCH-Crs	RevSend	ELM-Lvl
40	ChimzArt	Fx	Hall 1	Chorus 1	Compressor	Hall 2	ELM-Lvl, ELM-Lvl, Volume	off	off	off	off	off	FLT-Frq	ChoSend	ELM-Pan
41	Frontline	Ld	Hall 1	Ensemble	Distortion	Cross Delay	ChoSend, ELM-Lvl	off	off	off	off	off	FLT-Frq	PCH-Fin	ChoSend
42	Kickwheel	Sq	Hall 1	Tempo Flanger	Distortion	Delay LR	ELM-Lvl, ChoSend	off	off	off	off	off	FLT-Frq	InsL prm10, ELM-Lvl	HPF-Frq
43	Fat Four	Sq	Hall 2	Tempo Delay1	Chorus 1	Touch Wah Overdrive	ELM-Lvl, FLT-Frq, RevSend	off	off	off	off	off	ELM-Pan	FEG-Atk	AEG-Rel
44	D-tune	Ld	Hall 1	Tempo Cross Delay	Thru	Thru	CLFO-D1	off	off	off	off	off	CLFOSpd	ELFOSpd, ELFO-FM	PCH-Fin, PCH-Fin
45	Eb drone	Fx	Hall 1	Flanger 1	Thru	Hall 1	AEG-D1, Volume	off	off	off	off	off	PCH-Crs	FLT-Rez, FLT-Frq	InsL prm15
46	Dreamscape	Sq	Plate	Tempo Delay1	Thru	Ensemble Detune	FLT-Rez, FLT-Frq	off	off	off	off	off	FLT-Frq	FEG-Atk, ChoSend	InsL prm10
47	Hades	Fx	Hall 1	Delay LR	Thru	Celeste 2	ELFO-PM	off	off	off	off	off	FLT-Frq	RevSend	ChoSend
48	Manufactur	Se	Room 1	Ensemble	Phaser	Delay LR	ELFO-PM	off	off	off	off	off	CLFO-D1	ELM-Pan, ELM-Pan	RevSend
49	Liquito	Sc	Hall 1	Chorus 1	Compressor	V-Flanger	AEG-Rel, FLT-Frq, AEG-D1	off	off	off	off	off	FLT-Frq	FLT-Rez	RevSend
50	Kustom	Br	Hall 2	Chorus 1	Compressor	Tempo Cross Delay	FLT-Frq, RevSend, ChoSend	off	off	off	off	off	FLT-Frq	ELM-Lvl	InsL prm10
51	S - E	Se	Stage 2	Chorus 1	Flanger 3	Tempo Cross Delay	ELFO-PM	off	off	off	off	off	InsS prm3, FLT-Frq	InsS prm1	InsS prm3
52	Dew Drop	Fx	Stage 1	Tempo Delay1	Phaser	Pitch Change 2	InsS prm1	off	off	off	off	off	PCH-Crs	ELM-Lvl	InsL prm10, ChoSend
53	Talitha	Fx	Room 3	Delay LR	Auto Wah	2Way Rotary Speaker	PCH-Fin	off	off	off	off	off	InsS prm3	InsL prm9	InsS prm2
54	Thruster	Ld	Hall 1	Ensemble	Distortion	Cross Delay	FLT-Frq	off	off	off	off	off	FLT-Frq	InsS prm10, FEG-Aik	InsL prm10, ChoSend
55	Polystar	Sq	Hall 1	Ensemble	Thru	Delay LR	AEG-D2, FEG-D1	off	off	off	off	off	FLT-Frq	FEG-D1, FLT-Frq	InsL prm10
56	Syntax	Ld	Hall 1	Ensemble	Flanger 3	Delay LCR	FLT-Frq	off	off	off	off	off	FLT-Frq	InsS prm10	ChoSend
57	Supersnap	Sq	Hall 1	Phaser	Compressor	Delay LR	ELM-Lvl	off	off	off	off	off	FLT-Frq	ELM-Lvl	ChoSend, InsL prm10
58	Noire	Fx	Plate	Ensemble	Chorus 4	Ensemble Detune	ELFO-PM	off	off	off	off	off	FLT-Frq	InsS prm3, InsS prm2	PCH-Crs
59	Shadow	Pd	Hall 2	Flanger 1	Celeste 4	Jump	InsL prm2, ChoSend	off	off	off	off	off	FLT-Frq	FLT-Frq	InsL prm9
60	Vortex	Pd	White Room	Chorus 1	Flanger 3	Thru	ELFO-PM, ELFO-FM	off	off	off	off	off	InsS prm3, InsS prm2, InsS prm1	PCH-Crs	off
61	BPFx	Fx	Hall 2	Ensemble	Chorus 4	Cross Delay	CLFO-D1, ELM-Lvl	off	off	off	off	off	FLT-Frq	FEG-Dpt	InsL prm10
62	Wazzo	Ba	Room 3	Chorus 4	Compressor	Harmonic Enhancer	AEG-Atk, AEG-Rel, Volume	off	off	off	off	off	FEG-Dpt	ELM-Lvl	InsL prm1
63	Andromeda	Fx	Stage 1	Delay LR	Phaser	Flanger 1	InsS prm1	off	off	off	off	off	PCH-Crs	RevSend	ChoSend
64	Squeezer	Sq	Hall 1	Ensemble	Phaser	Pitch Change 2	InsS prm1	off	off	off	off	off	InsS prm4	ELM-Lvl	RevSend

No.	Voice Name	Category	Reverb Type	Chorus Type	Insertion1 Type	Insertion2 Type	MW	PB	AT	FC	BC	FS	RB	Kn1	Kn2
65	Watergate	Sq	Hall 1	Tempo Cross Delay	Thru	Ensemble Detune	FLT-Frq, FLT-Rez, ELM-Lvl	off	off	off	off	off	FLT-Rez	FLT-Frq	FLT-Rez
66	Banshee	Se	White Room	Phaser	Flanger 1	WAH+Dist+Delay	InsL_prm12	off	off	off	off	off	FLT-Frq	InsL_prm13	InsL_prm2
67	Sputnik	Fx	Hall 1	Chorus 1	Thru	Thru	AEG-Atk, AEG-Rel	off	off	off	off	off	PCH-Crs	PCH-Crs	ELFOSpd, CLFOSpd
68	Massacre	Ba	Room 3	Symphonic	Compressor	Odrv + 2Way Rotary Speaker	ELM-Lvl	off	off	off	off	off	FLT-Frq	PEG-Dpt	InsL_prm4
69	NuAcid	Sq	Hall 2	Chorus 1	Auto Pan	Delay LR	FLT-Frq	off	off	off	off	off	ELM-Pan, ELM-Pan	FEG-Dpt	InsL_prm5
70	DigJee	Sc	White Room	Chorus 2	Compressor	Tempo Delay 1	AEG-D1, ChoSend, FLT-Frq	off	off	off	off	off	FLT-Frq	RevSend	AEG-Rel
71	Scabs	Se	Canyon	Delay LR	Thru	Reverse Gate	ELFOSpd, ELFO-FM	off	off	off	off	off	PCH-Crs	ChoSend	RevSend
72	Big Wing	Pd	Stage 1	Ensemble	Celeste 4	Harmonic Enhancer	ELM-Lvl	off	off	off	off	off	PCH-Crs	InsL_prm3	RevSend
73	Techbass	Ba	Room 1	Tempo Cross Delay	Compressor	Reverse Gate	ChoSend	off	off	off	off	off	RevSend	FEG-D1, FLT-Frq	ELM-Lvl, ELM-Lvl
74	Kane	Ld	Hall 1	Chorus 4	Distortion	Cross Delay	FLT-Frq	off	off	off	off	off	FLT-Frq	InsS_prm3, ELM-Lvl	InsS_prm1
75	Voltage	Se	Hall 2	Flanger 2	AMP Simulator	Auto Synth	InsL_prm13	off	off	off	off	off	InsL_prm3	InsL_prm1	ChoSend, ELM-Lvl
76	Rabbit	Sq	Hall 1	Tempo Flanger	Distortion	Delay LR	FEG-Atk, InsS_prm9, InsS_prm1	off	off	off	off	off	FLT-Frq	FEG-Atk	InsS_prm4
77	Lenanshee	Fx	Hall 1	Symphonic	Auto Pan	Auto Synth	InsL_prm10, AEG-Atk, FEG-Atk	off	off	off	off	off	PCH-Fin	InsL_prm12	InsL_prm3
78	Shine/Wave	Pd	White Room	Ensemble	Phaser	V-Flanger	InsL_prm1	off	off	off	off	off	ELFO-FM	FLT-Frq	InsL_prm10, InsL_prm14
79	Mr. Hook	Sq	Hall 1	Tempo Cross Delay	Thru	Celeste 4	FLT-Frq	off	off	off	off	off	FLT-Frq	InsL_prm10, ELM-Lvl	ChoSend
80	Creature	Se	Hall 1	Control Delay1	Thru	Pitch Change 2	FLT-Frq	off	off	off	off	off	PCH-Crs	RevSend	ChoSend
81	Rezorgan	Sq	Hall 1	Tempo Cross Delay	Compressor	Chorus 1	ELFO-FM	off	off	off	off	off	FLT-Frq, FLT-Frq	PCH-Crs, InsL_prm10	ELFOSpd
82	Popcorn	Sq	Hall 1	Chorus 1	Chorus 1	Delay LR	CLFO-D1	off	off	off	off	off	FLT-Frq	RevSend	InsS_prm10
83	Shanti	Vo	Hall 1	Tempo Delay2	Flanger 1	Tempo Cross Delay	ELFO-AM, Volume	off	off	off	off	off	ELM-Lvl	ELFOSpd	InsS_prm3
84	Fullhouz	Sc	White Room	Tempo Cross Delay	Auto Pan	Noisy	ELM-Lvl, ChoSend, AEG-D1	off	off	off	off	off	FLT-Frq	ChoSend	RevSend
85	Brown Eyes	Fx	Plate	Symphonic	Exciter	Auto Synth	InsL_prm10, FEG-Atk	off	off	off	off	off	FLT-Frq, FLT-Frq	InsL_prm12	InsL_prm3
86	MGul	Sq	Hall 2	Chorus 2	Compressor	Tempo Cross Delay	FLT-Frq, RevSend, ChoSend	off	off	off	off	off	ELM-Pan	FLT-Frq	InsL_prm10
87	Knobmod	Se	Tunnel	off	Thru	Auto Synth	ELFO-PM	off	off	off	off	off	InsL_prm3	InsL_prm1, CLFOSpd	InsL_prm15, ELFO-PM
88	90th Jimi	Fx	Hall 1	Flanger 2	AMP Simulator	Jump	ChoSend, FLT-Frq	off	off	off	off	off	FLT-Frq	FEG-Atk, FLT-Frq	InsS_prm6
89	Twilight	Fx	Canyon	Tempo Cross Delay	Celeste 4	Pitch Change 1	ELFO-AM, ELFOSpd	off	off	off	off	off	PCH-Crs	ELFOSpd, CLFOSpd	PCH-Crs
90	Wheels	Fx	Hall 1	Flanger 1	3band EQ	Auto Synth	ELFO-AM, ELFO-PM, InsL_prm4, FLT-Rez	off	off	off	off	off	PCH-Crs	InsL_prm1	off
91	Seal	Sq	Hall 2	Tempo Cross Delay	Chorus 4	Ensemble Detune	FLT-Rez, ELM-Lvl	off	off	off	off	off	FLT-Rez, ELM-Lvl	ELM-Lvl	ChoSend
92	Rndm Gruv	Fx	Hall 2	Ensemble	Chorus 4	Cross Delay	CLFO-D1, ChoSend	off	off	off	off	off	FLT-Frq	ChoSend, ELM-Lvl	CLFO-D2
93	Molecule	Fx	Hall 1	Tempo Cross Delay	Phaser	Ensemble Detune	ELFO-FM, InsS_prm1, InsS_prm2	off	off	off	off	off	off	ELFOSpd	ELM-Lvl, ELM-Lvl
94	Big Wave	Pd	Hall 1	Delay LR	Auto Pan	Chorus 1	InsL_prm1	off	off	off	off	off	PCH-Crs	RevSend	ChoSend
95	Gunman	Ba	Hall 1	Chorus 1	Compressor	Thru	AEG-Atk, FLT-Frq	off	off	off	off	off	PCH-Fin, PCH-Fin	ChoSend	RevSend
96	Drumnotize	Se	Hall 1	Chorus 1	3band EQ	AMP Simulator	FLT-Frq	off	off	off	off	off	InsL_prm10	ELFO-PM	PCH-Crs
97	Capacitor	Ld	Plate	Tempo Delay1	Compressor	V-Distortion	PEG-Atk	ELFO-PM	ELM-Lvl	off	off	off	FLT-Frq	InsL_prm1	InsL_prm4
98	Answers	Pd	Hall 1	Chorus 1	Thru	Delay LR	PCH-Fin, PCH-Fin	off	off	off	off	off	ELM-Pan	ELM-Dly	RevSend
99	Fun(k-)	Sq	Room 1	Control Delay2	Compressor	Low Resolution	ChoSend, RevSend	off	off	off	off	off	FLT-Frq	AEG-D2	FLT-Frq
100	Android	Sq	Hall 1	Tempo Cross Delay	Compressor	Ensemble Detune	ELM-Lvl, InsL_prm10	off	off	off	off	off	ChoSend	ELM-Lvl	InsS_prm3, InsS_prm5
101	Teardrops	Fx	Room 3	Control Delay1	Phaser	Compressor	InsS_prm4, AEG-Atk, Volume	off	off	off	off	off	FLT-Frq	InsS_prm10	InsS_prm1
102	DJ Vox	Sc	White Room	Chorus 2	Compressor	Low Resolution	InsL_prm1, ChoSend, ELM-Lvl	off	off	off	off	off	FLT-Frq	RevSend	FLT-Frq
103	QuietEarth	Pd	Hall 1	Flanger 3	Phaser	Harmonic Enhancer	PCH-Fin, PCH-Fin	off	off	off	off	off	FLT-Frq, InsS_prm9	ChoSend	InsS_prm1
104	Blackhole	Sq	Plate	Phaser	Thru	Beat Change	InsL_prm1	off	off	off	off	off	InsL_prm2	InsL_prm3	InsL_prm4
105	Drifting	Fx	Plate	Chorus 5	Exciter	Delay LR	CLFO-D1	off	off	off	off	off	FLT-Frq	InsS_prm2, ELM-Lvl, ELM-Lvl	InsL_prm10
106	Navigator	Sq	Hall 2	Tempo Cross Delay	Thru	Ensemble Detune	FLT-Frq	off	off	off	off	off	FLT-Rez	FEG-Atk	ChoSend
107	Binary	Sq	Stage 1	Chorus 1	Thru	Tempo Phaser	PCH-Crs	off	off	off	off	off	FLT-Frq	RevSend	ELM-Lvl
108	Blu	Sq	Hall 1	Delay LR	Thru	Hall 1	FLT-Frq, FLT-Frq, ChoSend	off	off	off	off	off	ELM-Lvl	AEG-Rel	ELM-Lvl
109	Rosy	Sq	Hall 1	Ensemble	Thru	Delay LR	FLT-Frq	off	off	off	off	off	FLT-Frq	FEG-Atk	InsL_prm10
110	Psycho	Fx	Hall 1	Chorus 1	Thru	Harmonic Enhancer	ELFO-PM	off	FLT-Rez	off	off	off	FLT-Frq, ELM-Lvl	RevSend	PCH-Crs
111	Dog	Ba	Stage 2	Chorus 1	AMP Simulator	Delay LR	HPPF-Frq, FLT-Frq	off	off	off	off	off	FLT-Frq	HPPF-Frq	InsL_prm10
112	Pneumatic	Sq	Hall 1	Delay LR	Overdrive	Delay LR	FLT-Frq	off	off	off	off	off	PCH-Crs	AEG-Rel	InsS_prm10
113	SpaceWhirl	Ld	Tunnel	Tempo Delay2	Compressor	Tempo Phaser	InsL_prm10, FLT-Frq, AEG-Rel	off	off	off	off	off	FLT-Frq	RevSend	ChoSend
114	Phantom	Fx	Hall 1	Delay LR	Chorus 1	Reverse Gate	InsS_prm10	off	off	off	off	off	PCH-Crs	InsL_prm10, ChoSend	ELFO-FM, CLFO-D2
115	Millennium	Se	Hall 1	Flanger 1	Exciter	Hall 2	ELFO-PM, ELFO-FM	off	off	off	off	off	PEG-Dpt, FLT-Frq	InsS_prm1	PCH-Crs
116	Auto Saw	Fx	Hall 2	Chorus 4	Thru	Thru	ELFOSpd	off	off	off	off	off	FLT-Frq	ELM-Lvl	ELM-Lvl
117	Bel Air	Fx	Hall 2	Chorus 4	Exciter	Flanger 3	InsS_prm1, FLT-Rez, FLT-Frq	off	off	off	off	off	FLT-Frq	InsL_prm10	ChoSend
118	Magnetic	Ba	Canyon	Tempo Cross Delay	Thru	Compressor	ELM-Lvl	off	off	off	off	off	ChoSend	FLT-Frq, FLT-Frq	CLFOSpd, ELFOSpd
119	Phalaxi	Sq	Hall 1	Tempo Phaser	Compressor	Hall 2	ChoSend, RevSend, FLT-Frq	off	off	off	off	off	ELM-Pan	FLT-Rez	InsL_prm10
120	Atlantis	Pd	Hall 2	Ensemble	Phaser	Flanger 3	CLFO-D1, CLFO-D2	off	off	off	off	off	FLT-Rez	FLT-Frq	InsS_prm10
121	Slipmat	Ld	Hall 1	Ensemble	3band EQ	Delay LR	InsL_prm10	off	off	off	off	off	FLT-Rez	PCH-Crs	ELM-Lvl
122	DigSweep	Pd	Hall 2	Chorus 5	Compressor	Tempo Cross Delay	FLT-Frq, FEG-Dpt, RevSend	off	off	off	off	off	InsL_prm10	ChoSend	RevSend
123	4000 Volts	Fx	Hall 1	Chorus 1	Chorus 3	Flanger 1	FLT-Frq	off	InsL_prm3	off	off	off	ELFO-AM	PEG-Dpt	FEG-Atk
124	Nusic	Se	Hall 1	Delay LR	Auto Pan	Thru	CLFOSpd	off	off	off	off	off	PCH-Crs	RevSend	ChoSend
125	Sahara	Pd	Hall 1	Chorus 1	Flanger 1	Hall 1	ELM-Lvl	off	off	off	off	off	PCH-Crs	AEG-Atk	ChoSend
126	2 Friends	Sq	Hall 2	Tempo Delay2	Phaser	Hall 2	ELM-Lvl, ChoSend, AEG-D1	off	off	off	off	off	ELM-Pan	InsS_prm10	FLT-Frq
127	Modsound	Se	Canyon	Tempo Delay2	Thru	Touch WAH Distortion	ELFOSpd	InsL_prm10	off	off	off	off	RevSend	InsL_prm1	PEG-D2, PEG-Atk
128	Machinhead	Sq	Stage 1	Flanger 1	Phaser	Auto WAH Overdrive	InsL_prm1	off	off	off	off	off	InsL_prm14	InsL_prm10	ChoSend

Internal (MSB=63, LSB=40)

1 HipHop Kit

Note	ElmAsgn	Wave No.	Wave Name
C 0	on	437	Dr T8BdBm
C#0	on	440	Dr T8SD2
D 0	on	439	Dr T8SD1
D#0	on	441	Dr T8SD3
E 0	on	442	Dr T8SD4
F 0	on	462	Dr T9SD4
F#0	on	327	FX HH Hit
G 0	on	460	Dr T9SD2
G#0	on	444	Dr T8Rmst
A 0	on	438	Dr T8Bd
A#0	on	463	Dr T9SD5
B 0	on	458	Dr T9BD3
C 1	on	456	Dr T9BD1
C#1	on	406	Dr C.Rim1
D 1	on	459	Dr T9SD1
D#1	on	465	Dr T9Clap
E 1	on	461	Dr T9SD3
F 1	on	467	Dr T9TomL
F#1	on	471	Dr T9HHC2
G 1	on	467	Dr T9TomL
G#1	on	473	Dr T9HHO2
A 1	on	468	Dr T9TomM
A#1	on	472	Dr T9HHO1
B 1	on	468	Dr T9TomM
C 2	on	469	Dr T9TomH
C#2	on	474	Dr T9Crsh
D 2	on	469	Dr T9TomH
D#2	on	475	Dr T9Ride
E 2	on	449	Dr T8Crsh
F 2	on	475	Dr T9Ride
F#2	on	354	Pc Tmborn
G 2	on	449	Dr T8Crsh
G#2	on	453	Dr T8Cwbl
A 2	on	474	Dr T9Crsh
A#2	on	477	Dr DstKik
B 2	on	449	Dr T8Crsh
C 3	on	452	Dr T8CngH
C#3	on	450	Dr T8CngL
D 3	on	451	Dr T8CngM
D#3	on	255	Wv MogBs1
E 3	on	266	Wv Late-S
F 3	on	399	Dr SdBkbt
F#3	on	399	Dr SdBkbt
G 3	on	453	Dr T8Cwbl
G#3	on	341	Pc AgogoL
A 3	on	349	Pc Cabasa
A#3	on	455	Dr T8Mrsc
B 3	on	329	Fx HiLo
C 4	on	329	Fx HiLo
C#4	on	361	Pc AnvlHt
D 4	on	366	Pc Ripper
D#4	on	454	Dr T8Clve
E 4	on	454	Dr T8Clve
F 4	on	351	Pc Castnt
F#4	on	363	Pc Scrch1
G 4	on	364	Pc Scrch2
G#4	on	355	Pc TrangL
A 4	on	355	Pc TrangL
A#4	on	353	Pc Shaker
B 4	on	357	Pc JnglBl
C 5	on	360	Pc Bltree
C#5	on	394	Dr SdRim1
D 5	on	388	Dr SdPclH
D#5	on	358	Pc Clap
E 5	on	390	Dr SdPrmH
F 5	on	379	Dr BdAna
F#5	on	447	Dr T8HHCl
G 5	on	457	Dr T9BD2
G#5	on	423	Dr HHCl5
A 5	on	374	Dr BdVar1
A#5	on	448	Dr T8HHOp
B 5	on	476	Dr EuroBD
C 6	on	372	Dr BdHby

2 Urbanguard

Note	ElmAsgn	Wave No.	Wave Name
C 0	on	378	Dr BdVar5
C#0	on	404	Dr SdBrsL
D 0	on	401	Dr SdSwep
D#0	on	403	Dr SdBrsH
E 0	on	401	Dr SdSwep
F 0	on	405	Dr SdRoll
F#0	on	314	Wv Noise
G 0	on	385	Dr SdSonA
G#0	on	408	Dr Stick
A 0	on	378	Dr BdVar5
A#0	on	389	Dr SdPcBH
B 0	on	375	Dr BdVar2
C 1	on	373	Dr BdLoJz
C#1	on	407	Dr C.Rim2
D 1	on	380	Dr SdGM
D#1	on	358	Pc Clap
E 1	on	391	Dr SdWdH
F 1	on	409	Dr TomF
F#1	on	419	Dr HHCl1
G 1	on	410	Dr TomL
G#1	on	424	Dr HHPdl
A 1	on	410	Dr TomL
A#1	on	426	Dr HHOpn
B 1	on	411	Dr TomM
C 2	on	412	Dr TomHL
C#2	on	433	Dr Crash
D 2	on	413	Dr TomHH
D#2	on	429	Dr Ride
E 2	on	435	Dr China
F 2	on	431	Dr Cup
F#2	on	354	Pc Tmborn
G 2	on	434	Dr Crash2
G#2	on	453	Dr T8Cwbl
A 2	on	434	Dr Crash2
A#2	on	356	Pc VbSlp
B 2	on	449	Dr T8Crsh
C 3	on	336	Pc BongoH
C#3	on	335	Pc BongoL
D 3	on	339	Pc CngSlp
D#3	on	338	Pc CongaH
E 3	on	337	Pc CongaL
F 3	on	345	Pc TmbIsH
F#3	on	344	Pc TmbIsL
G 3	on	341	Pc AgogoL
G#3	on	341	Pc AgogoL
A 3	on	349	Pc Cabasa
A#3	on	352	Pc Maracs
B 3	on	359	Pc Whistl
C 4	on	359	Pc Whistl
C#4	on	343	Pc GiroCl
D 4	on	342	Pc GuiroL
D#4	on	350	Pc Claves
E 4	on	348	Pc Wdblck
F 4	on	348	Pc Wdblck
F#4	on	346	Pc CuicaL
G 4	on	347	Pc CuicaH
G#4	on	355	Pc TrangL
A 4	on	355	Pc TrangL
A#4	on	353	Pc Shaker
B 4	on	357	Pc JnglBl
C 5	on	360	Pc Bltree
C#5	on	477	Dr DstKik
D 5	on	477	Dr DstKik
D#5	on	477	Dr DstKik
E 5	on	477	Dr DstKik
F 5	on	477	Dr DstKik
F#5	on	477	Dr DstKik
G 5	on	477	Dr DstKik
G#5	on	477	Dr DstKik
A 5	on	477	Dr DstKik
A#5	on	477	Dr DstKik
B 5	on	477	Dr DstKik
C 6	on	477	Dr DstKik

コントロールリスト

コントロールセットデスティネーションパラメーター

No.	LCD	パラメーター
00	off	:off
01	Volume	Voice Volume
02	RevSend	Reverb Send
03	ChoSend	Chorus Send
04	INS1-P1:EF1	Insertion Effect 1 Parameter 1
:	:	:
13	INS1P10:EF1	Insertion Effect 1 Parameter 10
14	INS2-P1:EF2	Insertion Effect 2 Parameter 1
:	:	:
29	INS2P16:EF2	Insertion Effect 2 Parameter 16
30	CLFOSpd	Common LFO Speed
31	CLFO-D1	Common LFO Depth1
32	CLFO-D2	Common LFO Depth2
33	PorTime	Common Portamento Time
34	ELM-Lvl	Element Level
35	ELM-Pan	Element Pan
36	ELM-Dly	Element Key On Delay
37	ELFOSpd	Element LFO Speed
38	ELFO-PM	Element LFO Pitch Modulation Depth
39	ELFO-AM	Element LFO Amplitude Modulation Depth
40	ELFO-FM	Element LFO Filter Modulation Depth
41	PCH-Crs	Element Pitch Coarse
42	PCH-Fin	Element Pitch Fine
43	PEG-Dpt	Element Pitch EG Depth
44	PEG-Hld	Element Pitch EG Hold Time
45	PEG-Atk	Element Pitch EG Attack Time
46	PEG-D1	Element Pitch EG Decay1 Time
47	PEG-D2	Element Pitch EG Decay2 Time
48	PEG-Rel	Element Pitch EG Release Time
49	AEG-Atk	Element Amplitude EG Attack Time
50	AEG-D1	Element Amplitude EG Decay1 Time
51	AEG-D2	Element Amplitude EG Decay2 Time
52	AEG-Rel	Element Amplitude EG Release Time
53	FEG-Dpt	Element Filter EG Depth
54	FEG-Hld	Element Filter EG Hold Time
55	FEG-Atk	Element Filter EG Attack Time
56	FEG-D1	Element Filter EG Decay1 Time
57	FEG-D2	Element Filter EG Decay2 Time
58	FEG-Rel	Element Filter EG Release Time
59	FLT-Frq	Element Filter Cutoff Frequency
60	FLT-Rez	Element Filter Resonance
61	HPF-Frq	Element Filter HPF Cutoff Frequency

00 - 29 は、すべてのコントロールセットで使用できます。ただし、プラグインボイスの場合は 00 - 13 のパラメーターに限られます。
 30 - 61 は、プラグインボイスを除くノーマルボイスで使用できます。
 04 - 29 は、インサージョンエフェクトが割り当てられている場合のみ使用でき、そのエフェクトタイプによって有効なパラメーターが限られます。デスティネーションが有効なパラメーターの場合は、上記の "INS1P10" などの部分にそのパラメーター名が表示されます。有効なパラメーターでない場合は、コントロールセット画面では上記の表示に、プレイ画面では "-----" の表示になります。

システムコントローラーデスティネーションパラメーター

No.	LCD	パラメーター
00	off	off
01	EQLow-G	MEQ Low Gain
02	EQLow-F	MEQ Low Frequency
03	EQLow-Q	MEQ Low Q
04	EQLoM-G	MEQ Low Mid Gain
05	EQLoM-F	MEQ Low Mid Frequency
06	EQLoM-Q	MEQ Low Mid Q
07	EQMid-G	MEQ Mid Gain
08	EQMid-F	MEQ Mid Frequency
09	EQMid-Q	MEQ Mid Q
10	EQHiM-G	MEQ High Mid Gain
11	EQHiM-F	MEQ High Mid Frequency
12	EQHiM-Q	MEQ High Mid Q
13	EQHi-G	MEQ High Gain
14	EQHi-F	MEQ High Frequency
15	EQHi-Q	MEQ High Q
16	REV-P1	ReverbParameter 1
:	:	:
25	REV-P10	Reverb Parameter 10
26	REV-Rtn	Reverb Return
27	REV-Pan	Reverb Pan
28	CHO-P1	Chorus Parameter 1
:	:	:
37	CHO-P10	Chorus Parameter 10
38	CHO-Rtn	Chorus Return
39	CHO-Pan	Chorus Pan
40	Cho>Rev	Send Chorus To Reverb
41	ARP-Typ	Arpeggio Type
42	ARP-Unt	Arpeggio Unit Multiply
43	ARP-Vel	Arpeggio Velocity Rate
44	ARP-Gat	Arpeggio Gate Time Rate
45	Tempo	Arpeggio/Sequencer Tempo
46	EG-Atck	QED EG Attack Time
47	EG-Decy	QED EG Decay Time
48	EG-SusL	QED EG Sustain Level
49	EG-Rele	QED EG Release Time
50	Cutoff	QED Cutoff Frequency
51	Reso	QED Resonance

16 - 25、28 - 37 は、そのエフェクトタイプによって有効なパラメーターが限られます。デスティネーションが有効なパラメーターの場合は、上記の "REV-P10" などの部分にそのパラメーター名が表示されます。有効なパラメーターでない場合は、コントローラー画面では上記の表示に、プレイ画面では "-----" の表示になります。

アルペジオタイプリスト

コントロールチェンジナンバーリスト

【CONTROLLER】

Name	No.	備考
PB:PITCH BEND		Pitch Bend
MW:MODULATION WHELL	1	Modulation
AT:AFTER TOUCH		After Touch
BC:BREATH CONTROLLER	(2)	ユーティリティ/パフォーマンスで設定
RB:RIBBON CONTROLLER	(22)	ユーティリティ/パフォーマンスで設定
FC:FOOT CONTROLLER	(4)	ユーティリティ/パフォーマンスで設定
FS:FOOT SWITCH	(88)	ユーティリティで設定
FV:FOOT VOLUME	(11)	ユーティリティで設定(7 or 11)
SUS:SUSTAIN	(64)	Sustain(Hold 1)

【SOUND CONTROL KNOB】

Name	No.	備考
[CUTOFF]	74	Cutoff Freq
[RESONANCE]	71	Resonance
[REVERB]	91	Reverb Send
[CHORUS]	93	Chorus Send
[ATTACK]	73	Attack Time
[DECAY]	75	Decay Time
[SUSTAIN] *1	31	Sustain Level
[RELEASE]	72	Release Time
[PAN]	10	Panpot
[PORTAMENTO TIME]	5	Portamento Time
[ARPEGGIO GATE TIME]		Parameter Change
[PHRASE CLIP PITCH]		Parameter Change
[TEMPO]		MIDI入出力なし
[SCENE KNOB]	(14)	ユーティリティで設定
[KNOB A]	(18)	ユーティリティで設定
[KNOB B]	(19)	ユーティリティで設定
[KNOB C]	(20)	ユーティリティで設定
[KNOB 1]	(16)	ユーティリティ/パフォーマンスで設定
[KNOB 2]	(17)	ユーティリティ/パフォーマンスで設定

【SOUND CONTROL SW】

Name	No.	備考
[ARPEGGIO SW]	(90)	ユーティリティで設定
[ARPEGGIO HOLD]	(89)	ユーティリティで設定
[PORTAMENTO SW]	65	Portamento Switch
[SCENE 1]		[SCENE KNOB]=min に同じ
[SCENE 2]		[SCENE KNOB]=max に同じ

*1:MIDI Control Mode = mode2 のときのみコントロールチェンジを用い、mode1 のときは、パラメーターチェンジを用います。

() の付いたコントロールチェンジナンバーは初期値。

No.	Name	No.	Name
1	UpOct1:Sq	65	SuperArp:Ph
2	UpOct2:Sq	66	MuteArp1:Ph
3	UpOct4:Sq	67	MuteArp2:Ph
4	DownOct1:Sq	68	VelGruv1:Ph
5	DownOct2:Sq	69	VelGruv2:Ph
6	DownOct4:Sq	70	SpaceArp:Ph
7	U/DAOct1:Sq	71	MuteLine:Ph
8	U/DAOct2:Sq	72	StepLine:Ph
9	U/DAOct4:Sq	73	AcidLine:Ph
10	U/DBOct1:Sq	74	SplitArp:Ph
11	U/DBOct2:Sq	75	Step Seq:Ph
12	U/DBOct4:Sq	76	PolyArp1:Ph
13	RndmOct1:Sq	77	PolyArp2:Ph
14	RndmOct2:Sq	78	Ana Seq:Ph
15	RndmOct4:Sq	79	Planet:Ph
16	Oct2Up:Sq	80	Rosync:Ph
17	Oct4Up:Sq	81	StrumArp:Ph
18	UnisonUp:Sq	82	Guit1Arp:Ph
19	Up&Down1:Sq	83	RollArp:Ph
20	Up&Down2:Sq	84	Guit2Arp:Ph
21	Up&Down4:Sq	85	Guit3Arp:Ph
22	Up&Alt1:Sq	86	Guit4Arp:Ph
23	Up&Rndm1:Sq	87	Harp Arp:Ph
24	Up&Rndm2:Sq	88	BigBeat1:Dr
25	Up&Rndm4:Sq	89	BigBeat2:Dr
26	ChdAltB1:Sq	90	BigBeat3:Dr
27	ChdAltB2:Sq	91	BigBeat4:Dr
28	ChdAltB4:Sq	92	Rock1:Dr
29	ChdRndm1:Sq	93	Rock2:Dr
30	ChdRndm2:Sq	94	Rock3:Dr
31	ChdRndm4:Sq	95	BigBeat5:Dr
32	TechnoA:Ph	96	BigBeat6:Dr
33	TechnoB:Ph	97	BigBeat7:Dr
34	TechnoC:Ph	98	BigBeat8:Dr
35	DAHouse:Ph	99	BigBeat9:Dr
36	SyncopaA:Ph	100	BrkTrnce:Dr
37	SyncopaB:Ph	101	House1:Dr
38	SyncpEco:Ph	102	House2:Dr
39	TekEchoA:Ph	103	House3:Dr
40	TekEchoB:Ph	104	Garage:Dr
41	PulsLine:Ph	105	House4:Dr
42	SeqS&H1:Ph	106	House5:Dr
43	SeqS&H2:Ph	107	HipHop:Dr
44	CleanGt1:Ph	108	JazzHop:Dr
45	CleanGt2:Ph	109	Abstract:Dr
46	CleanGt3:Ph	110	LoBeat1:Dr
47	CleanGt4:Ph	111	LoBeat2:Dr
48	Pno16Bt:Ph	112	LoBeat3:Dr
49	PnoLatin:Ph	113	LoBeat4:Dr
50	CrvBass:Ph	114	LoBeat5:Dr
51	Ocean:Ph	115	LoBeat6:Dr
52	Orbit:Ph	116	Drm&Bs1:Dr
53	X-Sweep1:Ph	117	Drm&Bs2:Dr
54	X-Sweep2:Ph	118	Linear:Dr
55	X-Sweep3:Ph	119	08beat1:Cl
56	Lamb:Ph	120	08beat2:Cl
57	Thips:Ph	121	08beat3:Cl
58	Hardcore:Ph	122	16beat1:Cl
59	Harmo:Ph	123	16beat2:Cl
60	Ascorbic:Ph	124	1Bar:Cl
61	Doves:Ph	125	1BarRndm:Cl
62	Chodal:Ph	126	GateCut1:Ct
63	Simple:Ph	127	GateCut2:Ct
64	Waggle:Ph	128	GateCut3:Ct

[15] TEMPO FLANGER

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	5~21	Speed	1	○
2	LFO Depth	0~127	Depth	2	⊙
3	LFO Phase Difference	-180deg~+180deg	Phase	6	
4	LFO Phase Reset	off(free run), Key/Or/Reset, SEQ Start/Reset	Reset	5	
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	7	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	8	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	9	○
8	EQ High Gain	-12dB~+12dB	H.Gain	10	○
9	Delay Offset	0.0ms~50.0ms	DlyOfst	4	
10	Feedback Level	-63~+63	FBLevel	3	○

[16] PHASER1

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	Diffusion	mono/stereo	Diffuse	6	○
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	7	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	8	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	9	○
7	EQ High Gain	-12dB~+12dB	H.Gain	10	○
8	Stage	4, 5, 6	Stage	5	○
9	Phase Shift Offset	0~127	PhShift	3	
10	Feedback Level	-63~+63	FBLevel	4	⊙

[17] TEMPO PHASER

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	5~21	Speed	1	○
2	LFO Depth	0~127	Depth	2	⊙
3	LFO Phase Reset	off(free run), Key/Or/Reset, SEQ Start/Reset	PhaseReset	6	
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	7	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	8	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	9	○
7	EQ High Gain	-12dB~+12dB	H.Gain	10	○
8	Stage	4, 5, 6	Stage	5	○
9	Phase Shift Offset	0~127	PhShift	3	
10	Feedback Level	-63~+63	FBLevel	4	○

[18] DELAY L,R(stereo)

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time L	0.1ms~740.0ms	TimeL	1	
2	Delay Time R	0.1ms~740.0ms	TimeR	2	
3	Feedback Time 1	0.1ms~740.0ms	FBTime1	3	
4	Feedback Time 2	0.1ms~740.0ms	FBTime2	4	
5	Feedback Level	-63~+63	FBLevel	5	⊙
6	Feedback High Damp	0.1~1.0	FBHiDmp	6	○
7	EQ Low Frequency	32Hz~2.0kHz	L.Freq	7	○
8	EQ Low Gain	-12dB~+12dB	L.Gain	8	○
9	EQ High Frequency	500Hz~16.0kHz	H.Freq	9	○
10	EQ High Gain	-12dB~+12dB	H.Gain	10	○

[19] CONTROL DELAY1(mono)

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time	0.1ms~1480.0ms	Time	1	⊙
2	Delay Transition Rate	1~48	Trnsitn	2	○
3	Feedback Level	-63~+63	FBLevel	3	○
4	Feedback High Damp	0.1~1.0	FBHiDmp	4	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	5	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	6	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	7	○
8	EQ High Gain	-12dB~+12dB	H.Gain	8	○

[20] CONTROL DELAY2(stereo)

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time	0.1ms~740.0ms	Time	1	⊙
2	Delay Transition Rate	1~48	Trnsitn	2	○
3	Feedback Level	-63~+63	FBLevel	3	○
4	Feedback High Damp	0.1~1.0	FBHiDmp	4	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	5	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	6	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	7	○
8	EQ High Gain	-12dB~+12dB	H.Gain	8	○

[21] TEMPO DELAY1(mono)

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time	2~14	Time	1	
2	Lag	-63ms~+63ms	Lag	5	
3	L/R Diffusion	-63ms~+63ms	Diffuse	4	
4	Feedback Level	-63~+63	FBLevel	2	⊙
5	Feedback High Damp	0.1~1.0	FBHiDmp	3	○
6	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
7	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
8	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
9	EQ High Gain	-12dB~+12dB	H.Gain	9	○

[22] TEMPO DELAY2(stereo)

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time	2~14	Time	1	
2	Lag	-63ms~+63ms	Lag	5	
3	L/R Diffusion	-63ms~+63ms	Diffuse	4	
4	Feedback Level	-63~+63	FBLevel	2	⊙
5	Feedback High Damp	0.1~1.0	FBHiDmp	3	○
6	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
7	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
8	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
9	EQ High Gain	-12dB~+12dB	H.Gain	9	○

[23] TEMPO CROSS DELAY

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time L>R	2~14	TimeL>R	1	
2	Delay Time R>L	2~14	TimeR>L	2	
3	Input Select	L, R, L&R	Input	5	
4	Lag	-63ms~+63ms	Lag	6	
5	Feedback Level	-63~+63	FBLevel	3	⊙
6	Feedback High Damp	0.1~1.0	FBHiDmp	4	○
7	EQ Low Frequency	32Hz~2.0kHz	L.Freq	7	○
8	EQ Low Gain	-12dB~+12dB	L.Gain	8	○
9	EQ High Frequency	500Hz~16.0kHz	H.Freq	9	○
10	EQ High Gain	-12dB~+12dB	H.Gain	10	○

3. Insertion Effect1

[0] THRU (パラメーターはなし)

[1]~[4]CHORUS1~4

[5]~[8]CELESTE1~4

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	Input Mode	mono/stereo	Input	2	
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	5	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	6	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	7	○
7	EQ High Gain	-12dB~+12dB	H.Gain	8	○
8	Delay Offset	0.0ms~50.0ms	DlyOfst	4	
9	Feedback Level	-63~+63	FBLevel	3	○
10	Dry / Wet Balance	D63>W -D=W -D<W63	Dry/Wet	10	○

[9]-[11] FLANGER1-3

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	LFO Phase Difference	-180deg~+180deg	Phase	9	○
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	5	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	6	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	7	○
7	EQ High Gain	-12dB~+12dB	H.Gain	8	○
8	Delay Offset	0.0ms~50.0ms	DlyOfst	4	○
9	Feedback Level	-63~+63	FBLevel	3	○
10	Dry / Wet Balance	D63>W ~ D=W - D<W63	Dry/Wet	10	○

[12] PHASER1

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
4	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
5	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
6	EQ High Gain	-12dB~+12dB	H.Gain	9	○
7	Stage	4, 5, 6	Stage	5	○
8	Phase Shift Offset	0~127	PhShift	3	○
9	Feedback Level	-63~+63	FBLevel	4	○
10	Dry / Wet Balance	D63>W ~ D=W - D<W63	Dry/Wet	10	○

[13] TREMOLO

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	AM Depth	0~127	AMDepth	2	○
3	PM Depth	0~127	PMDepth	3	○
4	LFO Phase Difference	-180deg~+180deg	Phase	4	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	5	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	6	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	7	○
8	EQ High Gain	-12dB~+12dB	H.Gain	8	○
9	Input Mode	mono/stereo	Input	9	○

[14] AUTO PAN

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	L/R Depth	0~127	L/RDpth	2	○
3	F/R Depth	0~127	F/RDpth	3	○
4	PAN Direction	L<R, L>R, L<R, L>R, L<R, L>R, L<R, L>R (0~5)	Directn	4	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	5	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	6	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	7	○
8	EQ High Gain	-12dB~+12dB	H.Gain	8	○

[15] DISTORTION**[16] OVERDRIVE**

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Drive	0~127	Drive	1	○
2	Edge	0~127	Edge	8	○
3	Output Level	0~127	OutLvl	9	○
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	2	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	3	○
6	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	7	○
7	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	4	○
8	EQ Mid Gain	-12dB~+12dB	M.Gain	5	○
9	EQ Mid Width	0.1~12.0	M.Width	6	○
10	Dry / Wet Balance	D63>W ~ D=W - D<W63	Dry/Wet	10	○

[17] AMP SIMULATOR

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	AMP Type	off, stack, combo, tube	AmpType	2	○
2	Drive	0~127	Drive	1	○
3	Edge	0~127	Edge	4	○
4	Output Level	0~127	OutLvl	5	○
5	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	3	○
6	Dry / Wet Balance	D63>W ~ D=W - D<W63	Dry/Wet	6	○

[18] COMPRESSOR

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Attack	1ms~40ms	Attack	1	○
2	Release	10ms~680ms	Release	2	○
3	Threshold	-48dB~-6dB	Threshld	3	○
4	Ratio	1~20.0	Ratio	4	○
5	Output Level	0~127	OutLvl	5	○

[19] NOISE GATE

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Attack	1ms~40ms	Attack	1	○
2	Release	10ms~680ms	Release	2	○
3	Threshold	-72dB~-30dB	Threshld	3	○
4	Output Level	0~127	Out Lvl	4	○

[20] AUTO WAH

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	Cutoff Frequency Offset	0~127	Cutoff	3	○
4	Resonance	1~12.0	Reso	4	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	5	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	6	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	7	○
8	EQ High Gain	-12dB~+12dB	H.Gain	8	○
9	Dry / Wet Balance	D63>W ~ D=W - D<W63	Dry/Wet	9	○

[21] TOUCH WAH

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Sensitive	0~127	Sens	1	○
2	Cutoff Frequency Offset	0~127	Cutoff	2	○
3	Resonance	1~12.0	Reso	3	○
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	4	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	5	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	6	○
7	EQ High Gain	-12dB~+12dB	H.Gain	7	○
8	Dry / Wet Balance	D63>W ~ D=W - D<W63	Dry/Wet	8	○

[22] 2BAND EQ

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	EQ Low Frequency	32Hz~2.0kHz	L.Freq	1	○
2	EQ Low Gain	-12dB~+12dB	L.Gain	2	○
3	EQ High Frequency	500Hz~16.0kHz	H.Freq	3	○
4	EQ High Gain	-12dB~+12dB	H.Gain	4	○

[23] 3BAND EQ

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	EQ Low Frequency	50Hz~2.0kHz	L.Freq	1	○
2	EQ Low Gain	-12dB~+12dB	L.Gain	2	○
3	EQ High Frequency	500Hz~16.0kHz	H.Freq	6	○
4	EQ High Gain	-12dB~+12dB	H.Gain	7	○
5	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	3	○
6	EQ Mid Gain	-12dB~+12dB	M.Gain	4	○
7	EQ Mid Width	0.1~12.0	M.Width	5	○
8	Input Mode	mono/stereo	Input	8	○

[24] HARMONIC ENHANCER

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	HPF Cutoff Frequency	500Hz~+16.0kHz	HPF	1	○
2	Drive	0~127	Drive	2	○
3	Mix Level	0~127	Mix Lvl	3	○

4.Insertion Effect2

[0] THRU (パラメータはなし)

[1] HALL1 ~ [8] PLATE

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Reverb Time	0.3s~30.0s	RevTime	1	
2	Initial Delay	0.1ms~99.3ms	InitDly	3	
3	Reverb Delay	0.1ms~99.3ms	RevDly	11	
4	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
5	HPF Cutoff Frequency	20Hz~8.0kHz	HPF	4	○
6	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	5	○
7	Diffusion	0~10	Diffuse	2	
8	Density	0~4	Density	12	
9	ER / Rev Balance	E63>R ~ E=R ~ E<R63	ER/Rev	13	○
10	Feedback Level	-63~+63	FBLevel	15	○
11	Feedback High Damp	0.1~1.0	FBHiDmp	14	

[9] DELAY L,C,R

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time L	0.1ms~1486.0ms	TimeL	1	
2	Delay Time R	0.1ms~1486.0ms	TimeR	2	
3	Delay Time C	0.1ms~1486.0ms	TimeC	3	
4	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
5	Delay Level C	0~127	LevelC	6	○
6	Feedback Time	0.1ms~1486.0ms	FBTime	4	
7	Feedback Level	-63~+63	FBLevel	5	○
8	Feedback High Damp	0.1~1.0	FBHiDmp	7	○
9	EQ Low Frequency	32Hz~2.0kHz	L.Freq	13	○
10	EQ Low Gain	-12dB~+12dB	L.Gain	14	○
11	EQ High Frequency	500Hz~16.0kHz	H.Freq	15	○
12	EQ High Gain	-12dB~+12dB	H.Gain	16	○

[10] DELAY L,R

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time L	0.1ms~1486.0ms	TimeL	1	
2	Delay Time R	0.1ms~1486.0ms	TimeR	2	
3	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
4	Feedback Time 1	0.1ms~1486.0ms	FBTime1	3	
5	Feedback Time 2	0.1ms~1486.0ms	FBTime2	4	
6	Feedback Level	-63~+63	FBLevel	5	○
7	Feedback High Damp	0.1~1.0	FBHiDmp	6	○
8	EQ Low Frequency	32Hz~2.0kHz	L.Freq	13	○
9	EQ Low Gain	-12dB~+12dB	L.Gain	14	○
10	EQ High Frequency	500Hz~16.0kHz	H.Freq	15	○
11	EQ High Gain	-12dB~+12dB	H.Gain	16	○

[11] ECHO

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time L1	0.1ms~743.0ms	TimeL1	1	
2	Delay Time R1	0.1ms~743.0ms	TimeR1	3	
3	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
4	Feedback Level L	-63~+63	FBLvL	2	○
5	Feedback Level R	-63~+63	FBLvR	4	○
6	Feedback High Damp	0.1~1.0	FBHiDmp	5	○
7	Delay Time L2	0.1ms~743.0ms	TimeL2	6	
8	Delay Time R2	0.1ms~743.0ms	TimeR2	7	
9	Delay Level	0~127	Level2	8	○
10	EQ Low Frequency	32Hz~2.0kHz	L.Freq	13	○
11	EQ Low Gain	-12dB~+12dB	L.Gain	14	○
12	EQ High Frequency	500Hz~16.0kHz	H.Freq	15	○
13	EQ High Gain	-12dB~+12dB	H.Gain	16	○

[12] CROSS DELAY

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time L>R	0.1ms~743.0ms	TimeL>R	1	
2	Delay Time R>L	0.1ms~743.0ms	TimeR>L	2	
3	Input Select	L, R, L&R	Input	4	
4	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
5	Feedback Level	-63~+63	FBLevel	3	○
6	Feedback High Damp	0.1~1.0	FBHiDmp	5	○
7	EQ Low Frequency	32Hz~2.0kHz	L.Freq	13	○
8	EQ Low Gain	-12dB~+12dB	L.Gain	14	○
9	EQ High Frequency	500Hz~16.0kHz	H.Freq	15	○
10	EQ High Gain	-12dB~+12dB	H.Gain	16	○

[13] CONTROL DELAY1(mono)

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time	0.1ms~1486.0ms	Time	1	○
2	Delay Transition Rate	1~48	Trnsitn	2	○
3	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
4	Control Type	normal, scratch	CtrlType	11	○
5	Feedback Level	-63~+63	FBLevel	3	○
6	Feedback High Damp	0.1~1.0	FBHiDmp	4	○
7	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
8	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
9	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
10	EQ High Gain	-12dB~+12dB	H.Gain	9	○

[14] CONTROL DELAY2(stereo)

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time	0.1ms~743.0ms	Time	1	○
2	Delay Transition Rate	1~48	Trnsitn	2	○
3	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
4	Control Type	normal, scratch	CtrlType	11	○
5	Feedback Level	-63~+63	FBLevel	3	○
6	Feedback High Damp	0.1~1.0	FBHiDmp	4	○
7	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
8	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
9	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
10	EQ High Gain	-12dB~+12dB	H.Gain	9	○

[15] TEMPO DELAY1(mono)

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time	2~14	Time	1	
2	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
3	Lag	-63ms~+63ms	Lag	6	
4	L/R Diffusion	-63ms~+63ms	Diffuse	5	
5	Feedback Level	-63~+63	FBLevel	3	○
6	Feedback High Damp	0.1~1.0	FBHiDmp	4	○
7	EQ Low Frequency	32Hz~2.0kHz	L.Freq	13	○
8	EQ Low Gain	-12dB~+12dB	L.Gain	14	○
9	EQ High Frequency	500Hz~16.0kHz	H.Freq	15	○
10	EQ High Gain	-12dB~+12dB	H.Gain	16	○

[16] TEMPO DELAY2(stereo)

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time	2~14	Time	1	
2	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
3	Lag	-63ms~+63ms	Lag	6	
4	L/R Diffusion	-63ms~+63ms	Diffuse	5	
5	Feedback Level	-63~+63	FBLevel	3	○
6	Feedback High Damp	0.1~1.0	FBHiDmp	4	○
7	EQ Low Frequency	32Hz~2.0kHz	L.Freq	13	○
8	EQ Low Gain	-12dB~+12dB	L.Gain	14	○
9	EQ High Frequency	500Hz~16.0kHz	H.Freq	15	○
10	EQ High Gain	-12dB~+12dB	H.Gain	16	○

[17] TEMPO CROSS DELAY

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time L>R	2~14	TimeL>R	1	
2	Delay Time R>L	2~14	TimeR>L	2	
3	Input Select	L, R, L&R	Input	6	
4	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
5	Lag	-63ms~+63ms	Lag	8	
6	Feedback Level	-63~+63	FBLevel	4	○
7	Feedback High Damp	0.1~1.0	FBHiDmp	5	○
8	EQ Low Frequency	32Hz~2.0kHz	L.Freq	13	○
9	EQ Low Gain	-12dB~+12dB	L.Gain	14	○
10	EQ High Frequency	500Hz~16.0kHz	H.Freq	15	○
11	EQ High Gain	-12dB~+12dB	H.Gain	16	○

[18]-[19] EARLY REF1~2

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Type	S-hall, L-hall, random, reverse, plate, spring	Type	1	
2	Room Size	0.1~20.0	Size	2	
3	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
4	Diffusion	0 ~ 10	Diffuse	3	
5	Initial Delay	0.1ms~200.0ms	InitDly	4	
6	Liveness	0 ~ 10	Livenss	11	
7	Density	0 ~ 3	Density	12	
8	HPF Cutoff Frequency	20Hz~8.0kHz	HPF	6	○
9	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	7	○
10	Feedback Level	-63~+63	FBLevel	5	○
11	Feedback High Damp	0.1~1.0	FBHiDmp	13	

[20] GATE REVERB

[21] REVERSE GATE

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Type	Type-A, Type-B	Type	1	
2	Room Size	0.1~20.0	Size	2	
3	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
4	Diffusion	0 ~ 10	Diffuse	3	
5	Initial Delay	0.1ms~200.0ms	InitDly	4	
6	Liveness	0 ~ 10	Livenss	11	
7	Density	0 ~ 3	Density	12	
8	HPF Cutoff Frequency	20Hz~8.0kHz	HPF	6	○
9	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	7	○
10	Feedback Level	-63~+63	FBLevel	5	○
11	Feedback High Damp	0.1~1.0	FBHiDmp	13	

[22]-[24] KARAOKE1~3

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time	0.1ms~400.0ms	DlyTime	1	
2	Feedback Level	-63~+63	FBLevel	2	○
3	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
4	HPF Cutoff Frequency	20Hz~8.0kHz	HPF	3	○
5	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	4	○

[25]-[29] CHORUS1~5

[30]-[33] CELESTE1~4

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	Input Mode	mono/stereo	Input	15	
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
7	EQ High Gain	-12dB~+12dB	H.Gain	9	○
8	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	11	○
9	EQ Mid Gain	-12dB~+12dB	M.Gain	12	○
10	EQ Mid Width	0.1~12.0	M.Width	13	○
11	Delay Offset	0.0ms~50.0ms	DlyOfst	4	
12	Feedback Level	-63~+63	FBLevel	3	○
13	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[34] SYMPHONIC

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	Delay Offset	0.0ms~50.0ms	DlyOfst	4	
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
7	EQ High Gain	-12dB~+12dB	H.Gain	9	○
8	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	11	○
9	EQ Mid Gain	-12dB~+12dB	M.Gain	12	○
10	EQ Mid Width	0.1~12.0	M.Width	13	○
11	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[35] ENSEMBLE DETUNE

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Detune	-50cent~+50cent	Detune	1	
2	Initial Delay Lch	0.0ms~50.0ms	DelayL	2	
3	Initial Delay Rch	0.0ms~50.0ms	DelayR	3	
4	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	11	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	12	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	13	○
8	EQ High Gain	-12dB~+12dB	H.Gain	14	○

[36]-[38] FLANGER1~3

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	LFO Phase Difference	-180deg~+180deg	Phase	14	
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
7	EQ High Gain	-12dB~+12dB	H.Gain	9	○
8	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	11	○
9	EQ Mid Gain	-12dB~+12dB	M.Gain	12	○
10	EQ Mid Width	0.1~12.0	M.Width	13	○
11	Delay Offset	0.0ms~50.0ms	DlyOfst	4	
12	Feedback Level	-63~+63	FBLevel	3	○
13	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[39] V-FLANGER

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	LFO Wave	Triangle, Sine, Random	Wave	3	
4	Modulation Phase	-180~+180	Phase	5	
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
8	EQ High Gain	-12dB~+12dB	H.Gain	9	○
9	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	11	○
10	EQ Mid Gain	-12dB~+12dB	M.Gain	12	○
11	EQ Mid Width	0.1~12.0	M.Width	13	○
12	Analog Feel	0~10	Analog	16	○
13	Feedback Gain	-100~+100%	FBLevel	14	○
14	Feedback High Damp	0.1~1.0	FBHiDmp	15	○
15	Delay Offset	0.09~36.21ms	DlyOfst	4	
16	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[40] TEMPO FLANGER

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	5~21	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	LFO Phase Difference	-180deg~+180deg	Phase	14	
4	LFO Phase Reset	off(free run), KeyOn/Reset, SEQ Start/Reset	Reset	5	
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
8	EQ High Gain	-12dB~+12dB	H.Gain	9	○
9	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	11	○
10	EQ Mid Gain	-12dB~+12dB	M.Gain	12	○
11	EQ Mid Width	0.1~12.0	M.Width	13	○
12	Delay Offset	0.0ms~50.0ms	DlyOfst	4	
13	Feedback Level	-63~+63	FBLevel	3	○
14	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[41] PHASER1

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	Diffusion	mono/stereo	Diffuse	12	
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
7	EQ High Gain	-12dB~+12dB	H.Gain	9	○
8	Stage	4, 5, 6, 7, 8, 9, 10, 11, 12	Stage	11	○
9	Phase Shift Offset	0~127	PhShift	3	
10	Feedback Level	-63~+63	FBLevel	4	○
11	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[42] PHASER2

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	LFO Phase Difference	-180deg~+180deg	Phase	13	○
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
7	EQ High Gain	-12dB~+12dB	H.Gain	9	○
8	Stage	3, 4, 5, 6	Stage	11	○
9	Phase Shift Offset	0~127	PhShift	3	○
10	Feedback Level	-63~+63	FBLevel	4	○
11	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[43] TEMPO PHASER

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	5~21	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	LFO Phase Difference	-180deg~+180deg	Phase	13	○
4	LFO Phase Reset	off/tee runj, KeyOn/Reset, SEQ Start/Reset	Reset	5	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
8	EQ High Gain	-12dB~+12dB	H.Gain	9	○
9	Stage	3, 4, 5, 6	Stage	11	○
10	Phase Shift Offset	0~127	PhShift	3	○
11	Feedback Level	-63~+63	FBLevel	4	○
12	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[44] TREMOLO

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	AM Depth	0~127	AMDepth	2	○
3	PM Depth	0~127	PMDepth	3	○
4	LFO Phase Difference	-180deg~+180deg	Phase	13	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
8	EQ High Gain	-12dB~+12dB	H.Gain	9	○
9	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	11	○
10	EQ Mid Gain	-12dB~+12dB	M.Gain	12	○
11	EQ Mid Width	0.1~12.0	M.Width	13	○
12	Input Mode	mono/stereo	Input	15	○

[45] AUTO PAN

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	L/R Depth	0~127	L/RDpth	2	○
3	F/R Depth	0~127	F/RDpth	3	○
4	PAN Direction	L<R, L>R, L<<R, L>>R, L<R, R>L, L<<R, R>>L, LR(0-5)	Directn	4	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
8	EQ High Gain	-12dB~+12dB	H.Gain	9	○
9	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	11	○
10	EQ Mid Gain	-12dB~+12dB	M.Gain	12	○
11	EQ Mid Width	0.1~12.0	M.Width	13	○

[46] ROTARY SPEAKER1

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
4	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
5	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
6	EQ High Gain	-12dB~+12dB	H.Gain	9	○
7	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	11	○
8	EQ Mid Gain	-12dB~+12dB	M.Gain	12	○
9	EQ Mid Width	0.1~12.0	M.Width	13	○
10	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[47] DISTORTION+ROTARY SPEAKER1

[48] OVERDrive+ROTARY SPEAKER1

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0 ~ 127	Depth	2	○
3	Dist. Drive	0 ~ 127	Drive	14	○
4	Dist. LPF Cutoff Freq	1.0kHz~18.0kHz, thru	LPF	15	○
5	Dist. Output Level	0 ~ 127	DrivOut	16	○
6	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
7	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
8	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
9	EQ High Gain	-12dB~+12dB	H.Gain	9	○

[49] AMP SIMULATOR+ROTARY SPEAKER1

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0 ~ 127	Depth	2	○
3	AMP Type	off, stack, combo, tube	AmpType	3	○
4	AMP Drive	0 ~ 127	Drive	14	○
5	AMP LPF Cutoff Freq	1.0kHz~18.0kHz, thru	LPF	15	○
6	AMP Output Level	0 ~ 127	AmpOut	16	○
7	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
8	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
9	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
10	EQ High Gain	-12dB~+12dB	H.Gain	9	○

[50] ROTARY SPEAKER2

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Rotor Speed	0.0Hz~39.70Hz	Speed	1	○
2	Drive Low	0~127	DriveLo	2	○
3	Drive High	0~127	DriveHi	3	○
4	Low / High Balance	L63>H ~ L=H ~ L<H63	Low/Hi	4	○
5	Mic L-R Angle	0deg~180deg	MicAngl	5	○
6	Divide Frequency	100Hz~10.0kHz	CrosOvr	11	○
7	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
8	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
9	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
10	EQ High Gain	-12dB~+12dB	H.Gain	9	○

[51] DISTORTION+ROTARY SPEAKER2

[52] OVERDrive+ROTARY SPEAKER2

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Rotor Speed	0.0Hz~39.70Hz	Speed	1	○
2	Drive Low	0 ~ 127	DriveLo	2	○
3	Drive High	0 ~ 127	DriveHi	3	○
4	Low/High Balance	L63>H ~ L=H ~ L<H63	Low/Hi	4	○
5	Mic L-R Angle	0deg~180deg	MicAngl	12	○
6	Divide Frequency	100Hz~10.0kHz	CrosOvr	11	○
7	Dist.Drive	0 ~ 127	Drive	14	○
8	Dist. LPF Cutoff Freq	1.0kHz~18.0kHz, thru	LPF	15	○
9	Dist. Output Level	0 ~ 127	DrivOut	16	○
10	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
11	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
12	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
13	EQ High Gain	-12dB~+12dB	H.Gain	9	○

[53] AMP SIM.+ROTARY SPEAKER2

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Rotor Speed	0.0Hz~39.70Hz	Speed	1	○
2	Drive Low	0 ~ 127	DriveLo	2	○
3	Drive High	0 ~ 127	DriveHi	3	○
4	Low/High Balance	L63>H ~ L=H ~ L<H63	Low/Hi	4	○
5	Mic L-R Angle	0deg~180deg	MicAngl	12	○
6	Divide Frequency	100Hz~10.0kHz	CrosOvr	11	○
7	AMP Type	off, stack, combo, tube	AmpType	13	○
8	AMP Drive	0 ~ 127	Drive	14	○
9	AMP LPF Cutoff Freq	1.0kHz~18.0kHz, thru	LPF	15	○
10	AMP Output Level	0 ~ 127	AmpOut	16	○
11	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
12	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
13	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
14	EQ High Gain	-12dB~+12dB	H.Gain	9	○

[54] ROTARY SPEAKER3

[55] ROTARY SPEAKER4

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Speed Control	sLow, fast	Speed	16	○
2	SLow-Fast Time of R	0~127	Trans:Rotor	5	○
3	SLow-Fast Time of H	0~127	Trans:Horn	6	○
4	Rotor Speed SLOW	0.0Hz~2.65Hz	Rotor-Slw	1	○
5	Horn Speed SLOW	0.0Hz~2.65Hz	Horn-Slw	2	○
6	Rotor Speed Fast	2.69Hz~39.70Hz	Rotor-Fst	3	○
7	Horn Speed Fast	2.69Hz~39.70Hz	Horn-Fst	4	○
8	Mic L-R Angle	0deg~180deg	MicAngl	15	○
9	Drive Low	0~127	DriveLo	7	○
10	Drive High	0~127	DriveHi	8	○
11	Low/High Balance	L63>H ~ L=H ~ L<H63	Low/Hi	9	○
12	EQ Low Frequency	32Hz~2.0kHz	L.Freq	11	○
13	EQ Low Gain	-12dB~+12dB	L.Gain	12	○
14	EQ High Frequency	500Hz~16.0kHz	H.Freq	13	○
15	EQ High Gain	-12dB~+12dB	H.Gain	14	○

[56] DISTORTION

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Drive	0~127	Drive	1	○
2	Edge	0~127	Edge	11	○
3	Output Level	0~127	OutLvl	5	○
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	2	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	3	○
6	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	4	○
7	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	7	○
8	EQ Mid Gain	-12dB~+12dB	M.Gain	8	○
9	EQ Mid Width	0.1~12.0	M.Width	9	○
10	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[57] COMP DISTORTION

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Attack	1ms~40ms	Attack	12	○
2	Release	10ms~680ms	Release	13	○
3	Threshold	-48dB~-6dB	Threshld	14	○
4	Ratio	1~20.0	Ratio	15	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	2	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	3	○
7	Drive	0~127	Drive	1	○
8	Output Level	0~127	OutLvl	5	○
9	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	7	○
10	EQ Mid Gain	-12dB~+12dB	M.Gain	8	○
11	EQ Mid Width	0.1~12.0	M.Width	9	○
12	Edge	0~127	Edge	11	○
13	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	4	○
14	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[58] V-DISTORTION

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Over Drive	0 ~ 100%	OverDr	1	○
2	Device	Transistor, Vintage Tube, Distortion1, Distortion2, Fuzz	Device	2	○
3	Speaker Type	Flat, Stack, Combo, Twin, Radio, Megaphone	Speaker	3	○
4	Presence	-10 ~ 10	Presenc	4	○
5	Delay Time L	0.1ms~1486.0ms	DelayL	6	○
6	Delay Time R	0.1ms~1486.0ms	DelayR	7	○
7	Feedback Time	0.1ms~1486.0ms	FBTime	8	○
8	Feedback Level	-63~+63	FBLevel	9	○
9	Feedback High Damp	0.1~1.0	FBHiDmp	12	○
10	Output Level	0 ~ 100%	DistLvl	5	○
11	Delay Mix	0 ~ 127	DlyMix	11	○
12	Dry/Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[59] OVERDRIVE

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Drive	0~127	Drive	1	○
2	Edge	0~127	Edge	11	○
3	Output Level	0~127	OutLvl	5	○
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	2	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	3	○
6	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	4	○
7	EQ Mid Frequency	100Hz~10.0kHz	M.Freq	7	○
8	EQ Mid Gain	-12dB~+12dB	M.Gain	8	○
9	EQ Mid Width	0.1~12.0	M.Width	9	○
10	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[60] AMP SIMULATOR

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	AMP Type	off, stack, combo, tube	AmpType	2	○
2	Drive	0~127	Drive	1	○
3	Edge	0~127	Edge	11	○
4	Output Level	0~127	OutLvl	4	○
5	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	3	○
6	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[61] DIST+DELAY

[62] OVERDRIVE+DELAY

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Dist. Drive	0~127	Drive	6	○
2	Dist. EQ Low Gain	-12dB~+12dB	EQ-Low	8	○
3	Dist. EQ Mid Gain	-12dB~+2dB	EQ-Mid	9	○
4	Dist Output Level	0~127	DrivOut	7	○
5	Delay Time L	0.1ms~1486.0ms	DelayL	1	○
6	Delay Time R	0.1ms~1486.0ms	DelayR	2	○
7	Delay Feedback Time	0.1ms~1486.0ms	FBTime	3	○
8	Delay Feedback Level	-63~+63	FBLevel	4	○
9	Delay mix	0~127	DlyMix	5	○
10	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[63] COMPRESSOR1

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Attack	1ms~40ms	Attack	1	○
2	Release	10ms~680ms	Release	2	○
3	Threshold	-48dB~-6dB	Threshld	3	○
4	Ratio	1~20.0	Ratio	4	○
5	Output Level	0~127	OutLvl	5	○

[64] NOISE GATE

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Attack	1ms~40ms	Attack	1	○
2	Release	10ms~680ms	Release	2	○
3	Threshold	-72dB~-30dB	Threshld	3	○
4	Output Level	0~127	OutLvl	4	○

[65] COMP+DIST+DELAY

[66] COMP+ODRV+DELAY

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Comp. Attack	1ms~40ms	Attack	11	○
2	Comp. Release	10ms~680ms	Release	12	○
3	Comp. Threshold	-48dB~-6dB	Threshld	13	○
4	Comp. Ratio	1~20.0	Ratio	14	○
5	Dist. Drive	0~127	Drive	4	○
6	Dist. EQ Low Gain	-12dB~+12dB	EQ-Low	6	○
7	Dist. EQ Mid Gain	-12dB~+12dB	EQ-Mid	7	○
8	Dist Output Level	0~127	DrivOut	5	○
9	Delay Time	0.1ms~1486.0ms	DlyTime	1	○
10	Delay Feedback Level	-63~+63	FBLevel	2	○
11	Delay Mix	0~127	DlyMix	3	○
12	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[67] PITCH CHANGE1

[68] PITCH CHANGE2

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Pitch	-24~+24	Pitch	1	○
2	Initial Delay	0.1ms~248.9ms	InitDly	2	○
3	Feedback Level	-63~+63	FBLevel	5	○
4	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
5	Fine1	-50~+50	Fine1	3	○
6	Fine2	-50~+50	Fine2	4	○
7	Pan1	L63~C~R63	Pan1	11	○
8	Output Level1	0~127	OutLvl1	12	○
9	Pan2	L63~C~R63	Pan2	13	○
10	Output Level2	0~127	OutLvl2	14	○

[68] PITCH CHANGE2 のとき、5. fine1、6. fine2 は単位が [cent]

[69] AUTO WAH

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	Cutoff Frequency Offset	0~127	Cutoff	3	○
4	Resonance	1~12.0	Reso	4	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
8	EQ High Gain	-12dB~+12dB	H.Gain	9	○
9	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[70] AUTO WAH + DIST**[71] AUTO WAH + OVERDRIVE**

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	LFO Frequency	0.0Hz~39.70Hz	Speed	1	○
2	LFO Depth	0~127	Depth	2	○
3	Cutoff Frequency Offset	0~127	Cutoff	3	○
4	Resonance	1~12.0	Reso	4	○
5	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
6	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
7	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
8	EQ High Gain	-12dB~+12dB	H.Gain	9	○
9	Dist Low Gain	-12dB~+12dB	Drive:EQ-Low	12	○
10	Dist Mid Gain	-12dB~+12dB	Drive:EQ-Mid	13	○
11	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	14	○
12	Drive	0~127	Drive	11	○
13	Output Level	0~127	DrivOut	15	○
14	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[72] TOUCH WAH

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Sensitive	0~127	Sens	1	○
2	Cutoff Frequency Offset	0~127	Cutoff	2	○
3	Resonance	1~12.0	Reso	3	○
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
7	EQ High Gain	-12dB~+12dB	H.Gain	9	○
8	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[73] TOUCH WAH + DIST**[74] TOUCH WAH + OVERDRIVE**

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Sensitive	0~127	Sens	1	○
2	Cutoff Frequency Offset	0~127	Cutoff	2	○
3	Resonance	1~12.0	Reso	3	○
4	EQ Low Frequency	32Hz~2.0kHz	L.Freq	6	○
5	EQ Low Gain	-12dB~+12dB	L.Gain	7	○
6	EQ High Frequency	500Hz~16.0kHz	H.Freq	8	○
7	EQ High Gain	-12dB~+12dB	H.Gain	9	○
8	Dist Low Gain	-12dB~+12dB	Drive:EQ-Low	12	○
9	Dist Mid Gain	-12dB~+12dB	Drive:EQ-Mid	13	○
10	LPF Cutoff Frequency	1.0kHz~20.0kHz	LPF	14	○
11	Drive	0~127	Drive	11	○
12	Output Level	0~127	DrivOut	15	○
13	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[75] WAH + DIST + DELAY**[76] WAH + OVERDRIVE + DELAY**

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Wah sensitive	0~127	WahSens	11	○
2	Wah Cutoff Frequency	0~127	Cutoff	12	○
3	Wah Resonance	1~12.0	Reso	13	○
4	Wah release	10ms~680ms	Release	14	○
5	Dist. Drive	0~127	Drive	4	○
6	Dist. EQ Low Gain	-12dB~+12dB	EQ-Low	6	○
7	Dist. EQ Mid Gain	-12dB~+12dB	EQ-Mid	7	○
8	Dist Output Level	0~127	DrivOut	5	○
9	Delay Time	0.1ms~1486.0ms	Delay	1	○
10	Delay Feedback Level	-63~+63	FBLevel	2	○
11	Delay mix	0~127	DlyMix	3	○
12	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[77] LO-FI

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Sampling Freq. Control	44.1kHz~344Hz	SmplFrq	1	○
2	Word Length	1~127	WordLen	2	○
3	Output Gain	-6dB~+36dB	OutGain	3	○
4	Filter Type	thru, PowerBass, Radio, Telephone, Clean, Low	FltType	5	○
5	Pre-LPF Cutoff Frequency	63Hz~20.0kHz	Cutoff	4	○
6	Pre-LPF Resonance	1~12.0	Reso	6	○
7	Bit Assign	0~6	BitAsgn	7	○
8	Emphasis	off/on	Emphasi	8	○
9	Input Mode	mono/stereo	Input	15	○
10	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○

[78] LOW RESOLUTION

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Mod Depth	0~127	ModDpth	1	○
2	Mod Delay Offset	1~127	ModDly	2	○
3	Mod Mix Balance	0~127	ModMix	5	○
4	Resolution	1,1/2~1/128	Resoltn	4	○
5	Mod Feedback	-63~+63	ModFB	3	○
6	Phase Inverse R	off, wet, wet+dry	PhasInv	6	○
7	Dry/Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	7	○

[79] NOISY

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Mod Depth	0~10	ModDpth	2	○
2	Mod Speed	0~127	ModSpd	3	○
3	Mod Feedback	-63~+63	ModFB	4	○
4	Mod Mix Balance	1~127	ModMix	7	○
5	Drive	0~127	Drive	1	○
6	AM Speed	0.00Hz~39.7Hz	AMSpeed	5	○
7	AM Depth	0~127	AMDepth	6	○
8	LPF Frequency	1.0kHz~20.0kHz	Cutoff	8	○
9	LPF Resonance	1.0~12.0	Reso	9	○
10	EQ Frequency	100Hz~10.0kHz	EQFreq	10	○
11	EQ Gain	-12~+12dB	EQGain	11	○
12	EQ Width	1.0~12.0	EQWidth	12	○
13	Dry/Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	13	○

[80] ATTACK LOFI

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Sensitive	0~127	Sens	1	○
2	Resolution	1,1/2~1/32	Resoltn	2	○
3	Peak Frequency	100Hz~10.0kHz	PeakFrq	3	○
4	LPF Frequency	1.0kHz~20.0kHz	LPF	4	○
5	Flanger Speed	0.00Hz~39.7Hz	FlgSpd	5	○
6	Flanger LFO Wave	tri, sine, saw up, saw down	FlgWave	6	○
7	Flanger Depth	0~127	FlgDpt	7	○
8	Fln Depth Ofst R	-63~+63	FlgDptR	8	○
9	Flanger Delay	0.1~650.0ms	FlgDly	9	○
10	Fln Delay Ofst R	0~884	FlgDlyR	10	○
11	Flanger Feedback	-63~+63	FlgFB	11	○
12	Flanger FB Ofst R	-63~+63	FlgFB R	12	○
13	Flanger FB HiDamp	0.1~1.0	FBHiDmp	13	○
14	FB HiDamp Ofst R	-0.9~+0.9	FBHiDmR	14	○
15	Fln Mix Balance	1~127	FlgMix	15	○
16	Dry/Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	16	○

[81] DIGITAL TURNTABLE

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Click Density	0~5	Density	1	○
2	Click Level	0~127	Click	2	○
3	Noise Tone	0~6	NoisTon	3	○
4	Dry Send to Noise	0~127	DryNois	6	○
5	Noise Mod Speed	0.00Hz~39.7Hz	ModSpd	4	○
6	Noise Mod Depth	0~127	ModDpth	5	○
7	Noise LPF Freq	1.0kHz~20.0kHz	NoisLPF	7	○
8	Noise LPF Q	1.0~12.0	NoiseQ	8	○
9	Noise Level	0~127	NoisLvl	9	○
10	Dry LPF Frequency	1.0kHz~20.0kHz	DryLPF	10	○
11	Dry Level	0~127	DryLvl	11	○

[82] DIGITAL SCRATCH

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Input Level	0~127	Input	1	○
2	Initial Delay	0.1~460.0ms	Delay	2	○
3	Scratch Speed	1~127	ScrSpd	3	○
4	Scratch Depth	0~127	ScrDpth	4	○
5	HPF Frequency	20Hz~8.0kHz	HPF	10	○
6	Auto Pan Speed	0.00Hz~39.7Hz	PanSpd	5	○
7	Auto Pan Depth	0~127	PanDpth	6	○
8	EQ Frequency	100Hz~10.0kHz	EQFreq	7	○
9	EQ Gain	-12~+12dB	EQGain	8	○
10	EQ Width	1.0~12.0	EQWidth	9	○
11	Dry/Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	11	○

[83] AUTO SYNTH

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Mod Speed	0-127	ModSpd	1	○
2	Mod Wave Type	TypeA, TypeB, TypeC, TypeD	ModWave	2	
3	Mod Depth	0-127	ModDpth	3	○
4	Mod Depth Ofst R	-63-+63	ModDpth-R Ofst	4	○
5	HPF Frequency	20Hz-8.0kHz	HPF	6	○
6	LPF Frequency	1.0kHz-20.0kHz	LPF	5	○
7	Dry Mix Level	0-127	DryMix	7	○
8	Delay Level	0-127	DlyLvl	12	○
9	Delay Time	0.1-370.0ms	Delay	8	
10	Delay Time Ofst R	0-884	Delay-R Ofst	9	
11	Feedback Level	-63-+63	FBLevel	10	○
12	FB Level Ofst R	-63-+63	FBLevel-R Ofst	11	○
13	AM Speed	0.00Hz-39.7Hz	AMSpeed	13	○
14	AM Wave	tri, sine, saw up, saw down	AM Wave	14	
15	AM Depth	0-127	AMDepth	15	○
16	AM Inverse R	normal, inverse	AM InvR	16	

[84] TECH MODULATION

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Mod Speed	0-127	Speed	1	○
2	Mod Depth	0-127	Depth	2	○
3	Mod Gain	-12-+12dB	Gain	4	○
4	Mod Mix Balance	D63>W - D=W - D<W63	ModMix	7	○
5	Pre Mod HPF Freq	20Hz-8.0kHz	HPF	3	○
6	Mod LPF Frequency	1.0kHz-20.0kHz	LPF:Cutoff	5	○
7	Mod LPF Resonance	1.0-12.0	LPF:Reso	6	○
8	Delay Time	0.1-740.0ms	Delay	8	
9	Delay Time Ofst R	0-884	Delay-R Ofst	9	
10	Feedback Level	-63-+63	FBLevel	10	○
11	FB Level Ofst R	-63-+63	FBLevel-R Ofst	11	○
12	Feedback Hi Damp	0.1-1.0	FBHiDmp	12	○
13	FB Hi Damp Ofst R	-0.9-+0.9	FBHiDmp-R Ofst	13	○
14	Dry/Wet Balance	D63>W - D=W - D<W63	Dry/Wet	14	○

[85] JUMP

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Depth	0-127	Depth	1	○
2	Speed	0-127	Speed	2	○
3	Direction	L<->R, L>>R	Directn	3	
4	Type	TypeA, TypeB, TypeC	Type	4	
5	Jump Wave Type	TypeA, TypeB, TypeC, TypeD	JumpWave	5	
6	Resolution	1, 1/2-1/256	Resolution	6	
7	HPF Frequency	20Hz-8.0kHz	HPF	8	○
8	LPF Frequency	1.0kHz-20.0kHz	LPF	7	○
9	Dry/Wet Balance	D63>W - D=W - D<W63	Dry/Wet	9	○

[86] 2BAND EQ

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	EQ Low Frequency	32Hz-2.0kHz	L.Freq	1	○
2	EQ Low Gain	-12dB-+12dB	L.Gain	2	○
3	EQ High Frequency	500Hz-16.0kHz	H.Freq	3	○
4	EQ High Gain	-12dB-+12dB	H.Gain	4	○

[87] 3BAND EQ

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	EQ Low Frequency	50Hz-2.0kHz	L.Freq	6	○
2	EQ Low Gain	-12dB-+12dB	L.Gain	1	○
3	EQ High Frequency	500Hz-16.0kHz	H.Freq	7	○
4	EQ High Gain	-12dB-+12dB	H.Gain	5	○
5	EQ Mid Frequency	100Hz-10.0kHz	M.Freq	2	○
6	EQ Mid Gain	-12dB-+12dB	M.Gain	3	○
7	EQ Mid Width	0.1-12.0	M.Width	4	○
8	Input Mode	mono/stereo	Input	15	

[88] HARMONIC ENHANCER

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	HPF Cutoff Frequency	500Hz-16.0kHz	HPF	1	○
2	Drive	0-127	Drive	2	○
3	Mix Level	0-127	MixLvl	3	○

[89] VOICE CANCELAR

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Low Adjust	0-26	LowAdj	11	○
2	High Adjust	0-26	HighAdj	12	○

[90] AMBIENCE

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Delay Time	0.0ms-50.0ms	DlyTime	1	
2	Wet Output Phase	normal/inverse	WetPhase	2	○
3	Dry / Wet Balance	D63>W ~ D=W ~ D<W63	Dry/Wet	10	○
4	EQ Low Frequency	32Hz-2.0kHz	L.Freq	6	○
5	EQ Low Gain	-12dB-+12dB	L.Gain	7	○
6	EQ High Frequency	500Hz-16.0kHz	H.Freq	8	○
7	EQ High Gain	-12dB-+12dB	H.Gain	9	○

[91] TALKING MODULATOR

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Vowel	a/i/u/e/o	Vowel	1	○
2	Move Speed	1- 62	Speed	2	○
3	Drive	0-127	Drive	3	○
4	Output Level	0-127	OutLvl	4	○

[92] BEAT CHANGE

No.	Parameter	Value	LCD	MIDI Parameter Number	Controller
1	Beat Change	-63-+63	BeatChg	1	○
2	Beat Range	0-12	BeatRng	2	○
3	Pitch Change	-63-+63	PchChg	3	○
4	Pitch Range	0-12	PchRng	4	○
5	EQ Frequency	32Hz-2.0kHz	EQFreq	6	○
6	EQ Gain	-12dB-+12dB	EQGain	7	○
7	EQ Width	1.0-12.0	EQWidth	8	○
8	Accuracy Type	sound4-normal-rythm4	AccType	5	
9	Dry/Wet Balance	D63>W - D=W - D<W63	Dry/Wet	10	○

MIDIについて

MIDI(ミディ)は、Musical Instrument Digital Interfaceの頭文字をとったもので、楽器同士を接続して演奏情報や音色情報などをやりとりするために作られた世界統一の規格です。世界統一規格ですのでメーカーや楽器の種類が違ってもデータをやりとりすることができます。

MIDIでは、「鍵盤を弾く」、「音色を選ぶ」といった演奏に関する情報以外に、画面を切り替える為の情報や、テンポをコントロールするための情報など、さまざまな情報をやりとりすることができます。これらの情報をフルに活用すると、鍵盤やコントローラーを使って演奏するだけではなく、パートごとのパンやリバーブの深さを変えたり、エフェクトやEGの設定を変更するなど、本体パネルで設定するパラメーターのほとんどを外部MIDI機器からMIDIを通してコントロールすることができます。

MIDIチャンネル

MIDIの情報には、MIDIチャンネルという1～16の番号が割り当てられています。このMIDIチャンネルを使って、1本のMIDIケーブルで同時に16チャンネル分の情報を送る仕組みになっています。たとえば、コンピューターやシーケンサーで多くのパートを使った演奏をMIDIを使って送信する場合、受け手側の機器では、受信したいチャンネル(各パートのMIDI受信チャンネル)を設定することで、16チャンネルの信号の中から特定のチャンネルの信号だけを選んで受信することができます。極端な例ですが、16台の音源を用意して、それぞれMIDI受信チャンネルを1～16に設定すると、シーケンサーから1本のMIDIケーブルを通して送信された演奏情報は各音源で別々に再生されることになります。

CS6x/CS6Rのように、1台で複数の音源パートを持ち、パートごとに異なったMIDIチャンネルを設定して同時に複数パートの演奏できる音源をマルチ音源と呼びます。マルチ音源を使うと、上記のような演奏は1台で可能になります。

CS6x/CS6Rで送受信できるMIDI情報

MIDI情報は、大きく分けてチャンネルメッセージとシステムメッセージの2つのタイプがあります。

チャンネルメッセージ

チャンネルメッセージは、チャンネルごとに個別に送られる、演奏についての情報のことです。それぞれのタイプには以下のようなメッセージがあります。

ノートオン/オフ:

鍵盤の演奏情報を伝えます。

コントロールチェンジ:

ボリュームやパンなどをコントロールするメッセージです。いろいろな種類のコントロールチェンジには、それぞれコントロールナンバーが付いています。

プログラムチェンジ:

ボイスを選択するためのMIDIメッセージです。コントロールチェンジのバンクセレクトと組み合わせで使用します。

チャンネルアフタータッチ:

鍵盤を弾いた後、更に押さえつける強さを伝えて、音に変化をつけるMIDIメッセージです。外部機器から受信することができます。

ポリフォニックキープレッシャー:

各鍵盤ごとに、鍵盤を弾いた後の更に押さえつける強さを伝えるMIDIメッセージです。内蔵シーケンサーから送信することができます。

ピッチベンド:

ピッチベンドホイールの演奏を伝えて、ピッチを変化させるMIDIメッセージです。

チャンネルメッセージには、この他にローカルコントロールやオール ノート オフなどのモードメッセージがあります。

システムメッセージ

システムメッセージは、機器間の同期などシステム全体に関連した設定を行う情報です。

エクスクルーシブメッセージ

メーカー固有のメッセージで、シーケンスデータやパラメーターチェンジなどを送受信します。このMIDIメッセージを使うと、外部MIDI機器からCS6x/CS6Rのほとんどすべての設定をエディットすることも可能になります。

リアルタイムメッセージ

スタート、ストップ、コンティニュー、MIDIクロック、アクティブセンシングなど、シーケンサーをコントロールするメッセージです。

コモンメッセージ

リアルタイムメッセージ同様、シーケンサーをコントロールするメッセージで、ソングセレクト、ソングポジション ポインターがあります。

MIDIデータフォーマット

「MIDIデータフォーマット」は、データ/値を10進数や2進数、16進数で表現しています。16進数の場合は数値の後ろ(または列の頭)にH(Hexadecimal)が付いています。

また、「n」は任意の整数を表します。データ/値を入力する場合は、以下のテーブルをご参照ください。

10進	16進	2進
0	00	0000 0000
1	01	0000 0001
2	02	0000 0010
3	03	0000 0011
4	04	0000 0100
5	05	0000 0101
6	06	0000 0110
7	07	0000 0111
8	08	0000 1000
9	09	0000 1001
10	0A	0000 1010
11	0B	0000 1011
12	0C	0000 1100
13	0D	0000 1101
14	0E	0000 1110
15	0F	0000 1111
16	10	0001 0000
17	11	0001 0001
18	12	0001 0010
19	13	0001 0011
20	14	0001 0100
21	15	0001 0101
22	16	0001 0110
23	17	0001 0111
24	18	0001 1000
25	19	0001 1001
26	1A	0001 1010
27	1B	0001 1011
28	1C	0001 1100
29	1D	0001 1101
30	1E	0001 1110
31	1F	0001 1111
32	20	0010 0000
33	21	0010 0001
34	22	0010 0010
35	23	0010 0011
36	24	0010 0100
37	25	0010 0101
38	26	0010 0110
39	27	0010 0111
40	28	0010 1000
41	29	0010 1001
42	2A	0010 1010
43	2B	0010 1011
44	2C	0010 1100
45	2D	0010 1101
46	2E	0010 1110
47	2F	0010 1111
48	30	0011 0000
49	31	0011 0001
50	32	0011 0010
51	33	0011 0011
52	34	0011 0100
53	35	0011 0101
54	36	0011 0110
55	37	0011 0111
56	38	0011 1000
57	39	0011 1001
58	3A	0011 1010
59	3B	0011 1011
60	3C	0011 1100
61	3D	0011 1101
62	3E	0011 1110
63	3F	0011 1111

10進	16進	2進
64	40	0100 0000
65	41	0100 0001
66	42	0100 0010
67	43	0100 0011
68	44	0100 0100
69	45	0100 0101
70	46	0100 0110
71	47	0100 0111
72	48	0100 1000
73	49	0100 1001
74	4A	0100 1010
75	4B	0100 1011
76	4C	0100 1100
77	4D	0100 1101
78	4E	0100 1110
79	4F	0100 1111
80	50	0101 0000
81	51	0101 0001
82	52	0101 0010
83	53	0101 0011
84	54	0101 0100
85	55	0101 0101
86	56	0101 0110
87	57	0101 0111
88	58	0101 1000
89	59	0101 1001
90	5A	0101 1010
91	5B	0101 1011
92	5C	0101 1100
93	5D	0101 1101
94	5E	0101 1110
95	5F	0101 1111
96	60	0110 0000
97	61	0110 0001
98	62	0110 0010
99	63	0110 0011
100	64	0110 0100
101	65	0110 0101
102	66	0110 0110
103	67	0110 0111
104	68	0110 1000
105	69	0110 1001
106	6A	0110 1010
107	6B	0110 1011
108	6C	0110 1100
109	6D	0110 1101
110	6E	0110 1110
111	6F	0110 1111
112	70	0111 0000
113	71	0111 0001
114	72	0111 0010
115	73	0111 0011
116	74	0111 0100
117	75	0111 0101
118	76	0111 0110
119	77	0111 0111
120	78	0111 1000
121	79	0111 1001
122	7A	0111 1010
123	7B	0111 1011
124	7C	0111 1100
125	7D	0111 1101
126	7E	0111 1110
127	7F	0111 1111

追加ノート

・上記のテーブル以外でも、たとえば、144～159(10進数)/9nH/10010000～10011111(2進数)は、それぞれ(1～16)チャンネルごとのノートオンメッセージを示します。176～191/BnH/10110000～10111111は、それぞれ(1～16)チャンネルごとのコントロールチェンジメッセージを示します。192～207/CnH/11100000～11001111は、それぞれ(1～16)チャンネルごとのプログラムチェンジメッセージを示します。240/FOH/11110000はシステムエクスクルーシブメッセージの始まりを示します。247/F7H/1111011111はシステムエクスクルーシブメッセージの終わりを示します。

・aaH(16進数)/Oaaaaaaa(2進数)はデータのアドレスを示します。アドレスは、High、MidとLowがあります。

・bbH/0bbbbbbbはバイトカウントを示します。

・ccH/0cccccccはチェックサムを示します。

・ddH/0dddddddはデータ/値を示します。

シンセサイザー/シーケンサーパート

(1) TRANSMIT FLOW

MIDI <-[SW1]- +---	NOTE ON/OFF	9nH	
OUT			
	+---	CONTROL CHANGE	
		MODULATION	BnH, 01H
		PORTAMENTO TIME	BnH, 05H (CS6xのみ)
		PAN	BnH, 0AH (CS6xのみ)
		SUSTAIN SWITCH	BnH, 40H
		PORTAMENTO SWITCH	BnH, 41H (CS6xのみ)
		FILTER RESONANCE	BnH, 47H (CS6xのみ)
		EG RELEASE TIME	BnH, 48H (CS6xのみ)
		EG ATTACK TIME	BnH, 49H (CS6xのみ)
		FILTER CUTOFF FREQ	BnH, 4AH (CS6xのみ)
		EG DECAY TIME	BnH, 4BH (CS6xのみ)
		REVERB SEND	BnH, 5BH (CS6xのみ)
		CHORUS SEND	BnH, 5DH (CS6xのみ)
		ASSIGNABLE CONTROLLER	BnH, (00H .. 5FH)
		FOOT VOLUME	BnH, (07H or 08H)
	+[SW8]--	BANK SEL MSB	BnH, 00H
		BANK SEL LSB	BnH, 20H
	[-[SW2]--	EG SUSTAIN LEVEL	BnH, 1FH (CS6xのみ)
	+---	PROGRAM CHANGE	CnH
	+---	CHANNEL AFTER TOUCH	DnH
	+---	PITCH BEND CHANGE	EnH
	[-[SW3,4]--	SYSTEM REALTIME MESSAGE	
		TIMING CLOCK	F8H
	[-[SW4]----	SYSTEM REALTIME MESSAGE	
		START	FAH
		CONTINUE	FBH
		STOP	FCH
	+[SW5]- +---	SYSTEM EXCLUSIVE MESSAGE	
		[-[SW6]-SAMPLE DUMP STANDARD	
		DUMP REQUEST	F0H 7EH nnH 03H esH esH F7H
		ACK	F0H 7EH nnH 7FH ppH F7H
		NAK	F0H 7EH nnH 7EH ppH F7H
		CANCEL	F0H 7EH nnH 7DH ppH F7H
		WAIT	F0H 7EH nnH 7CH ppH F7H
		[-[SW7]- <BULK DUMP>	F0H 43H 0nH 64H bhH blH ahH amH alH ddH....ddH ccH F7H
		[-[SW7]- <PARAMETER CHANGE>	F0H 43H 1nH 64H ahH amH alH ddH....ddH F7H
	-----	SYSTEM EXCLUSIVE MESSAGE	
		IDENTITY REPLY	F0H 7EH 7FH 06H 02H 43H 00H 41H 2DH 02H 00H 00H 01H F7H
	-----	ACTIVE SENSING	FEH

- [SW1] MIDI Transmit Channel
Master Keyboard Mode = on では、Zone Transmit Channel に従う。
Master Keyboard Mode = off では、Keyboard Transmit Channel に従う。
シーケンサー部から再生されるデータは、[SW1]にかかわらず、シーケンスデータの Channel で出力する。
CS6R の送信は ASSIGNABLE CONTROLLER の BC、KNOB A-C/1-2 とシーケンサー部からのもののみ。
- [SW2] MIDI Control Mode
- [SW3] MIDI Sync
- [SW4] MIDI Control
- [SW5] MIDI Device Number
allのときは、1で送信される。
- [SW6] PHRASE CLIP MODE JOB のみ。S80 では送信しない。
- [SW7] VOICE MODE では、VOICE のもののみ。PERFORMANCE MODE では、PERFORMANCE のもののみ。
SYSTEM はどのモードでも送受信。
- [SW8] SYSTEM Bank Select Switch

(2) RECEIVE FLOW

MIDI >-[SW11] +---	NOTE OFF	8nH	
	+---	NOTE ON/OFF	9nH
	+---	CONTROL CHANGE	
		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 *1
		COARSE TUNING	BnH, 64H, 02H, 65H, 00H, 06H, mmH *1
		RPN RESET	BnH, 64H, 7FH, 65H, 7FH
		ALL SOUND OFF	BnH, 78H
		RESET ALL CONTROLLERS	BnH, 79H
		ALL NOTE OFF	BnH, 7BH
		OMNI MODE OFF	BnH, 7CH
		OMNI MODE ON	BnH, 7DH
		MONO MODE	BnH, 7EH
		POLY MODE	BnH, 7FH
		+[SW2]--	EG SUSTAIN LEVEL BnH, 1FH
		+[SW8]--	BANK SEL MSB BnH, 00H
			BANK SEL LSB BnH, 20H
		+[SW9]--	PROGRAM CHANGE CnH
		-----	CHANNEL AFTER TOUCH DnH
		-----	PITCH BEND CHANGE EnH
	+	SYSTEM EXCLUSIVE MESSAGE	
		IDENTITY REQUEST	F0H 7EH 0nH 06H 01H F7H
		REMOTE SWITCH	F0H 43H 10H 64H 0AH 00H alH ddH F7H
		+[SW12]-GM MODE ON	F0H 7EH 7FH 09H 01H F7H
	+[SW5]- +	SYSTEM EXCLUSIVE MESSAGE	
		MIDI MASTER VOLUME	F0H 7FH 7FH 04H 01H 11H mmH F7H
		+[SW6]--	SAMPLE DUMP STANDARD
			DUMP HEADER F0H 7EH nnH 01H esH esH ddH....ddH F7H
			DATA PACKET F0H 7EH nnH 02H kkH ddH....ddH ccH F7H
			CANCEL F0H 7EH nnH 7DH ppH F7H
		+[SW10]-<BULK DUMP>	F0H 43H 0nH 64H bhH blH ahH amH alH ddH....ddH ccH F7H
		+[SW7]--	PARAMETER CHANGE> F0H 43H 1nH 64H ahH amH alH ddH....ddH F7H
		+[SW7]--	<BULK DUMP REQUEST>F0H 43H 2nH 64H ahH amH alH ddH....ddH F7H
		+[SW7]--	<PARAMETER REQUEST>F0H 43H 3nH 64H ahH amH alH F7H
		+[SW12]-XG SYSTEM ON	F0H 43H 1nH 4CH 00H 00H 7EH 00H F7H
	+[SW3]-----	SYSTEM REALTIME MESSAGE	
		TIMING CLOCK	F8H
	+[SW4]-----	SYSTEM REALTIME MESSAGE	
		START	FAH
		CONTINUE	FBH
		STOP	FCH
	-----	ACTIVE SENSING	FEH

- [SW2] MIDI Control Mode
- [SW3] MIDI Sync
- [SW4] MIDI Control
- [SW5] MIDI Device Number
MIDI MASTER VOLUME は、Device Number = off 以外では常に受信する。
- [SW6] PHRASE CLIP MODE JOB のみ。S80 では受信しない。
- [SW7] VOICE MODE では、VOICE のもののみ。PERFORMANCE MODE では、PERFORMANCE のもののみ。
SYSTEM のものはどのモードでも送受信。
- [SW8] SYSTEM Bank Select Switch
- [SW9] SYSTEM Program Change Switch (Voice Mode, Phrase Clip Mode では、Play Mode でのみ受信。)
- [SW10] SYSTEM Bulk Protect および SW7 の条件。
- [SW11] MIDI Receive Channel および Receive Filter
Performance Mode では、Part Receive Channel および Part Receive Switch に従う。
Performance Mode 以外では、Basic Receive Channelに従う。
- [SW12] SYSTEM Receive GM/XG On

*1 パフォーマンスモードのみ

(3) TRANSMIT/RECEIVE DATA

(3-1) CHANNEL VOICE MESSAGES

CS6R の送信は ASSIGNABLE CONTROLLER の KNOB A-C/1-2、BREATH CONTROLLER とシーケンサー部からのもののみ。

(3-1-1) NOTE OFF

STATUS 1000nnnn(8nH) n = 0 ~ 15 CHANNEL NUMBER
NOTE NUMBER 0kkkkkkkk k = 0 (C-2) ~ 127 (G8)
VELOCITY 0vvvvvvvv v は無視
受信のみ行なう。

(3-1-2) NOTE ON/OFF

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

(3-1-3) CONTROL CHANGE

STATUS 1011nnnn(BnH) n = 0 ~ 15 CHANNEL NUMBER
CONTROL NUMBER 0ccccccc
CONTROL VALUE 0vvvvvvvv

* 送信する CONTROL NUMBER

c = 0 BANK SEL MSB ; v = 0,63,127 *3
c = 32 BANK SEL LSB ; v = 0,1,8,9,24,25,32,40,41,64,65 *3
c = 1 MODULATION ; v = 0 ~ 127
c = 5 PORTAMENTO TIME ; v = 0 ~ 127 *4
c = 7 MAIN VOLUME ; v = 0 ~ 127
c = 10 PAN ; v = 0 ~ 127 *4
c = 11 EXPRESSION ; v = 0 ~ 127
c = 31 EG SUSTAIN LEVEL ; v = 0:-64 ~ 64:0 ~ 127:+63 *4,*5
c = 64 SUSTAIN SWITCH ; v = 0, 127
c = 65 PORTAMENTO SWITCH ; v = 0:-63:OFF, 64:-127:ON *4
c = 71 FILTER RESONANCE ; v = 0:-64 ~ 64:0 ~ 127:+63 *4
c = 72 EG RELEASE TIME ; v = 0:-64 ~ 64:0 ~ 127:+63 *4
c = 73 EG ATTACK TIME ; v = 0:-64 ~ 64:0 ~ 127:+63 *4
c = 74 FILTER CUTOFF FREQ ; v = 0:-64 ~ 64:0 ~ 127:+63 *4
c = 75 EG DECAY TIME ; v = 0:-64 ~ 64:0 ~ 127:+63 *4
c = 91 REVERB SEND ; v = 0 ~ 127 *4
c = 93 CHORUS SEND ; v = 0 ~ 127 *4
c = 0..95 ASSIGNABLE CONTROLLER ; v = 0 ~ 127 *6

シーケンサー部からは、記録されているすべてのコントロールチェンジ情報を再生する。

* 受信する CONTROL NUMBER

c = 0 BANK SEL MSB ; v = 0 ~ 127 *3
c = 32 BANK SEL LSB ; v = 0 ~ 127 *3
c = 1 MODULATION ; v = 0 ~ 127
c = 5 PORTAMENTO TIME ; v = 0 ~ 127 *2
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 *2,*5
c = 64 SUSTAIN SWITCH ; v = 0:-63:OFF, 64:-127:ON *2
c = 65 PORTAMENTO SWITCH ; v = 0:-63:OFF, 64:-127:ON *2
c = 66 SOSTENUTO ; v = 0:-63:OFF, 64:-127:ON *2
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 *2
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 *6
c = 0..95 ARPEGGIO SW ; v = 0:-63:OFF, 64:-127:ON *6
c = 0..95 ARPEGGIO HOLD ; v = 0:-63:OFF, 64:-127:ON *6

*1 RPN で指定パラメーターを設定するときのみ用いる。

*2 Drum Voice に対しては無効。

*3 BANK CHANGE と PROGRAM の関係

Table with columns: CATEGORY, Internal/External, MSB, LSB, PROGRAM No., and a numerical value in parentheses.

*4 CS6x のみ。

*5 CONTROL CHANGE MODE を MODE2 としている場合のみ送受信する。

*6 ASSIGNABLE CONTROLLER の DEFAULT CONTROL NUMBER は、

Table listing controller parameters: BREATH CONTROLLER (2), FOOT CONTROLLER (4), SCENE CONTROL (14), KNOB 1-5 (16-19).

Table listing controller parameters: RIBBON CONTROLLER (22), CONTROL SLIDER (7), FOOT SWITCH (88), ARPEGGIO HOLD (89), ARPEGGIO SWITCH (90).

PORTAMENTO TIMEは、Portamento Switch = ON のときのピッチ変化速度を調節する。

0 でポルタメント最短時間、127 でポルタメント最長時間となる。

PAN は、音色のプリセット値に対して相対的に変化する。

EFFECT1 DEPTHは、リバースンドをコントロールする。

EFFECT3 DEPTHは、コーラスンドをコントロールする。

HARMONIC CONTENTは、音色で設定されているレゾナンスを調節する。

相対変化のパラメーターであるため、64 を基準として増減の指定をする。

値が大きくなるほどクセのある音になる。音色により、効果のある範囲が設定できる範囲より狭い場合がある。

EG ATTACK TIME、EG DECAY TIME、EG SUSTAIN LEVEL、EG RELEASE TIMEは、音色で設定されているエンベロープを調節する。相対変化のパラメーターであるため、64 を基準として増減の指定をする。

BRIGHTNESSは、音色で設定されているカットオフ周波数を調節する。

相対変化のパラメーターであるため、64 を基準として増減の指定をする。

値が小さくなるほどカットオフ周波数が低くなる。音色により、効果のある範囲が設定できる範囲より狭い場合がある。

Bank Selectの動作は、すべてProgram Changeを受信したとき発生する。

Bank Select、Program Change は、サボートしている番号以外のものは無視する。

(3-1-4) PROGRAM CHANGE

STATUS 1100nnnn(CnH) n = 0 ~ 15 CHANNEL NUMBER
PROGRAM NUMBER 0pppppppp p = 0 ~ 127

(3-1-5) CHANNEL AFTER TOUCH

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

(3-1-6) PITCH BEND CHANGE

STATUS 1110nnnn(EnH) n = 0 ~ 15 CHANNEL NUMBER
LSB 0vvvvvvvv PITCH BEND CHANGE LSB
MSB 0vvvvvvvv PITCH BEND CHANGE MSB
送信の分解能は7 bit。

(3-2) CHANNEL MODE MESSAGES

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

(3-2-1) ALL SOUND OFF

(CONTROL NUMBER = 78H, DATA VALUE = 0)

該当チャンネルの発音中の音をすべて消音する。ノート・オンやホールド・オンなどのチャンネルメッセージの状態も消去する。

(3-2-2) RESET ALL CONTROLLERS

(CONTROL NUMBER = 79H, DATA VALUE = 0)

以下のコントローラーの設定値をリセットする。

PITCH BEND CHANGE 0 (中央)
CHANNEL AFTER TOUCH 0 (最小)
MODULATION 0 (最小)
EXPRESSION 127 (最大)
BREATH CONTROLLER 127 (最大)
FOOT CONTROLLER 127 (最大)
RIBBON CONTROLLER 0 (中央)
KNOB 1 0 (中央)
KNOB 2 0 (中央)
SUSTAIN SWITCH 0 (オフ)
SOSTENUTO SWITCH 0 (オフ)
RPN 番号未設定状態、内部データは変化しない

以下の音データは変更しない。

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, ASSIGNABLE CONTROLLER

(3-2-3) ALL NOTE OFF

(CONTROL NUMBER = 7BH, DATA VALUE = 0)

該当チャンネルのオンしているノートをすべてオフする。ただし、サステイン、あるいはソステヌートがオンの場合は、それらがオフになるまで発音は終了しない。

(3-2-4) OMNI MODE OFF

(CONTROL NUMBER = 7CH, DATA VALUE = 0)

ALL NOTE OFF を受信したときと同じ処理を行なう。VOICE RECEIVE CHANNELを、OMNI OFFで、CHANNEL=1とする。

(3-2-5) OMNI MODE ON

(CONTROL NUMBER = 7DH, DATA VALUE = 0)

ALL NOTE OFF を受信したときと同じ処理を行なう。VOICE RECEIVE CHANNELを、OMNI ONにする。

(3-2-6) MONO

(CONTROL NUMBER = 7EH, DATA VALUE = 0..16)

オール・サウンド・オフを受信したときと同じ処理を行ない、3rd byte(モノ数)が 0 ~ 16 の範囲内であれば該当チャンネルを Mode4(m = 1) にする。VOICE MODEなら、VOICE RECEIVE CHANNELに従って、Mode2(m=1)にもなり得る。

(3-2-7) POLY

(CONTROL NUMBER = 7FH, DATA VALUE = 0)

オール・サウンド・オフを受信したときと同じ処理を行ない、該当チャンネルをMode3 にする。VOICE MODEなら、VOICE RECEIVE CHANNELに従って、Mode1にもなり得る。

(3-3) REGISTERED PARAMETER NUMBER

STATUS	1011nnnn (BnH)	n = 0 ~ 15 CHANNEL NUMBER
LSB	01100100 (64H)	
RPN LSB	0pppppppp	p = RPN LSB (下表参照)
MSB	01100101 (65H)	
RPN MSB	0qggggggg	q = RPN MSB (下表参照)
DATA ENTRY MSB	00000110 (06H)	
DATA VALUE	0mmmmmm	m = Data Value
DATA ENTRY LSB	00100110 (26H)	
DATA VALUE	01111111	l = Data Value

まず RPN MSB と RPN LSB を与えて制御するパラメーターを指定し、その後データ・エントリーで指定パラメーターの値を設定する。

RPN	D.ENTRY	
LSB MSB MSB LSB	PARAMETER NAME	DATA RANGE

00H 00H mmH --- PITCH BEND SENSITIVITY	00H - 18H (0 - 24 半音)
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 半音)
7FH 7FH --- RPN RESET	RPN番号が指定されていない状態になる。 内部の設定値は変化しない。

(3-4) NON-REGISTERED PARAMETER NUMBER

制御できるパラメーターはなし。

(3-5) SYSTEM REAL TIME MESSAGES

(3-5-1) ACTIVE SENSING

STATUS	11111110 (FEH)
--------	----------------

約 200 msec ごとに送信する。
この CODE を一度受信すると、SENSING を開始する。約 350 msec 以上の間、STATUS も DATA も来ないときは、MIDI 受信 BUFFER を CLEAR し、発音している音と SUSTAIN SWITCH を強制的に OFF する。また、各 Control 情報の値 は特定値にリセットする。

(3-6) SYSTEM EXCLUSIVE MESSAGE

(3-6-1) UNIVERSAL NON REALTIME MESSAGE

(3-6-1-1) GENERAL MIDI MODE ON

FOH 7EH 7FH 09H 01H F7H

PERFORMANCE MODE で SYSTEM Receive GM/XG on がオンの場合のみ受信し、SYSTEM Internal Part の設定に従って、Part の設定値をリセットする。

(3-6-1-2) IDENTITY REQUEST (受信のみ)

FOH 7EH 0nH 06H 01H F7H (nは、Device No.だが、本機はomniで受信する)
--

(3-6-1-3) IDENTITY REPLY (送信のみ)

FOH 7EH 7FH 06H 02H 43H 00H 41H ddH ddH 00H 00H 00H 01H F7H

dd:Device Number Code
CS6x: 5C 03
CS6R: 5D 03
S80: 5E 03

(3-6-2) UNIVERSAL REALTIME MESSAGE

(3-6-2-1) MIDI MASTER VOLUME

FOH 7FH 7FH 04H 01H 11H mmH F7H

MASTER VOLUME の値を変更する。
mm の値をMIDI マスターボリューム値として用いる。(11 の値は無視)

(3-6-3) PARAMETER CHANGE

(3-6-3-1) XG SYSTEM ON

11110000	F0	Exclusive status
1000011	43	YAMAHA ID
0001nnnn	1n	device Number
1001100	4C	Model ID
0aaaaaaa	0	Address High
0aaaaaaa	0	Address Mid
0aaaaaaa	7E	Address Low
0	0	Data
11110111	F7	End of Exclusive

PERFORMANCE MODE で SYSTEM Receive GM/XG on がオンの場合のみ受信し、SYSTEM Internal Part の設定に従って、Part の設定値をリセットする。
このメッセージの実行には、約170ms かかるため、次のメッセージとの間隔を注意すること。

(3-6-3-2) NATIVE PARAMETER CHANGE, REMOTE SWITCH

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0001nnnn	1n	device Number
01100100	64	Model ID
0aaaaaaa	aaaaaaa	Address High
0aaaaaaa	aaaaaaa	Address Mid
0aaaaaaa	aaaaaaa	Address Low
0ddddddd	ddddddd	Data
11110111	F7	End of Exclusive

Data Sizeが2以上のパラメーターはそのSize分データを送信する。
Address および Byte Count は、付表を参照すること。
REMOTE SWITCH では、device number はいずれの値でも受信する。

(3-6-4) BULK DUMP

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0000nnnn	0n	device Number
01100100	64	Model ID
0bbbbbbb	bbbbbbb	Byte Count
0bbbbbbb	bbbbbbb	Byte Count
0aaaaaaa	aaaaaaa	Address High
0aaaaaaa	aaaaaaa	Address Mid
0aaaaaaa	aaaaaaa	Address Low
0	0	Data
0ccccccc	ccccccc	Check-sum
11110111	F7	End of Exclusive

Address および Byte Count は、付表を参照すること。
Check sum は、Byte Count、Start Address、Data、Check-sum 自身を加算した値の下位 7bit がゼロになる値である。

(3-6-5) DUMP REQUEST

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0010nnnn	2n	device Number
01100100	64	Model ID
0aaaaaaa	aaaaaaa	Address High
0aaaaaaa	aaaaaaa	Address Mid
0aaaaaaa	aaaaaaa	Address Low
11110111	F7	End of Exclusive

Address および Byte Count は、付表を参照すること。

(3-6-6) PARAMETER REQUEST

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0011nnnn	3n	device Number
01100100	64	Model ID
0aaaaaaa	aaaaaaa	Address High
0aaaaaaa	aaaaaaa	Address Mid
0aaaaaaa	aaaaaaa	Address Low
11110111	F7	End of Exclusive

Address および Byte Count は、付表を参照すること。

(3-6-7) SAMPLE DUMP STANDARD

サンプルダンプのヘッダー、データの受信と、ダンプリクエストを行なう。
サンプルダンプのヘッダー、データの送信は行なわない。

DUMP REQUEST	FO 7E nn 03 ss ss F7
	送信側のサンプル番号を指定して送信を要求する。

ACK	FO 7E nn 7F pp F7
	最後のデータパケットを正しく受信したための、次のデータ要求。

NAK	FO 7E nn 7E pp F7
	最後のデータパケットを正しく受信できなかったための、次のデータ要求。

CANCEL	FO 7E nn 7D pp F7
	ダンプを中止したことを知らせる。

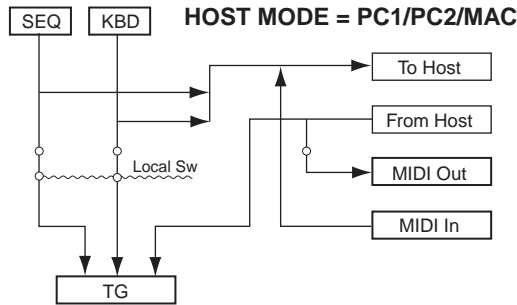
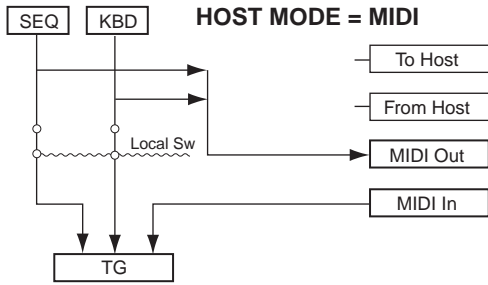
WAIT	FO 7E nn 7C pp F7
	指示があるまでこれ以上パケットを送信してはならないことを知らせる。 処理を再開するには、ACK または、CANCELを送信する。

DUMP HEADER	FO 7E nn 01 ss ss ee ff ff ff gg gg hh hh ii ii jj F7
	データのヘッダー情報

DATA PACKET	FO 7E nn 02 kk < data 120 bytes > cc F7
	サンプルデータ

nn	Channel Number
ss ss	Requested Sample, LSB First
pp	Packet Number
ee	Sample Format
ff ff ff	Sample Period in Nanoseconds
gg gg gg	Sample Length in Words
hh hh hh	Sustain Loop Start Point Word Number (LSB First)
ii ii ii	Sustain Loop End Point Word Number (LSB First)
jj	Loop Type

(4) 鍵盤スイッチ部、SEQUENCER 部と、音源部との構成図



ノートオン、ノートオフについては、MIDIで受信したものと、本体シーケンサーで演奏されたものと、本体鍵盤で演奏されたものとは区別されるが、他のコントローラーは、MIDI、本体の区別なく効果がかすすべてのノートにかかる。

ALL SOUND OFFは、MIDI、本体の区別なく、該当チャンネルのすべての発音を消去する。
MIDI で受信した ALL NOTE OFF は該当チャンネルで MIDIにより発音された ノートのみをオフする。

MIDIデータテーブル

Bank Select

送受信可能なバンクセレクト/プログラムチェンジ

MSB (HEX)	LSB (HEX)	Program No.	Type	Memory	Description		
0	00	0	00	0 - 127	Normal Voice	Internal	
127	7F	0	00	0 - 1	Drum Voice	User(Internal)	
63	3F	0	00	0 - 127	Normal Voice	Preset 1	システム (ユーティリティモード) のMIDI Swのページの 設定に依存する。詳しくは取扱説明書を参照。 Phrase Clip Mode では、無視される。
		1	01	0 - 127		Preset 2	
		8	08	0 - 127		User(Internal)	
		9	09	0 - 127		User(External)	
		24	18	0 - 63	Plug-in Voice	User(Plug-in 1)	
		25	19	0 - 63		User(Plug-in 2)	
		32	20	0 - 7	Drum Voice	Preset	
		40	28	0 - 1		User(Internal)	
		41	29	0 - 1		User(External)	
		63	3F	64	40	0 - 127	
63	3F	104	68	0 - 3	Clip Kit	User	Phrase Clip Mode および Performance Mode の Phrase Clip Part でのみ有効。
		65	41	0 - 127		User(External)	

Plug-in Voice Bank Display

Plug-in Board 装着時に Voice Mode(PLG1, PLG2 が選択された状態) で選択できるボイスのバンク

MSB (HEX)	LSB (HEX)	Program No.	Type	LCD Display	Description
63	3F	18 - 19	0 - 63	Internal	PLG INT
0	00	00 - 7F	0 - 127	XG Normal	NORM/LLL
64	40	00 - 7F	0 - 127	XG SFX	NORM/SFX
126	7E	00 - 7F	0 - 127	XG SFX kit	KIT/SFX
127	7F	00 - 7F	0 - 127	XG Drum kit	KIT/DRM
***	**	00 - 7F	0 - 127	others	MMM/LLL

Internal 以外は、Plug-in Board が受信可能なバンクのみを表示。

<付表 1 >

Parameter Base Address

Parameter Block	Top Address			Description
	H	M	L	
SYSTEM	00	00	00	System
	00	10	00	Plug-in Board Native System
	00	20	00	Master EQ
	00	70	00	Panel Knob
REMOTE SWITCH	0A	00	00	Remote Switch
BULK CONTROL	0E	00	00	Header
	0F	00	00	Footer
PERFORMANCE COMMON	30	00	00	Performance Common
PERFORMANCE PART	31	00	00	Part1
				:
	31	0F	00	Part16
	31	40	00	A/D Part
	31	50	00	Phrase Clip Part
	31	60	00	Plug-in 1 Part
PERFORMANCE ZONE	31	61	00	Plug-in 2 Part
	32	00	00	Zone1
				:
	32	03	00	Zone4
VOICE COMMON	40	00	00	Common
	40	01	00	Reverb
	40	02	00	Chorus
	40	03	00	Insertion 1
	40	04	00	Insertion 2
	40	05	00	Controller
	40	06	00	LFO
	40	70	00	Extra
VOICE ELEMENT GROUP1	41	ee	00	ee : Element No.
VOICE ELEMENT GROUP2	42	ee	00	ee : Element No.
VOICE ELEMENT GROUP3	43	ee	00	ee : Element No.
VOICE ELEMENT GROUP4	44	ee	00	ee : Element No.
KIT COMMON (DRUM VOICE & CLIP KIT)	46	00	00	Common
	46	01	00	Reverb
	46	02	00	Chorus
	46	03	00	Insertion 1
	46	04	00	Insertion 2
	46	05	00	Controller
	46	70	00	Extra
	46	71	00	Extra Phrase Clip
KIT ELEMENT GROUP1	47	ee	00	ee : Element No.
KIT ELEMENT GROUP2	48	ee	00	ee : Element No.
KIT ELEMENT GROUP3	49	ee	00	ee : Element No.
KIT ELEMENT GROUP4	4A	ee	00	ee : Element No.
VOICE PLUGIN	4C	00	00	Common
	4C	01	00	Reverb
	4C	02	00	Chorus
	4C	03	00	Insertion 1
	4C	05	00	Controller
	4C	10	00	Plug-in Element
	4C	20	00	Native
4C	70	00	Extra	

<付表 2 >

Bulk Dump Block

Top Address は、Bulk Dump で指定されるブロックの先頭アドレスを示します。
 Byte Count は、Bulk Dump のブロックに含まれるデータサイズを示します。
 PERFORMANCE および VOICE の Bulk Header から Bulk Footer までの Block は、順序は関係なく、すべて揃わなくても受信します。ただし、本来含まれない Block が割り込んだ場合は、無効となります。
 1 Performance / 1 Voice のリクエストは、対応する Bulk Header のアドレスを指定してください。個々のアドレスを指定した場合は、Edit Buffer の内容を返します。
 以下の表の Bulk Header の部分の mm, nn については、MIDI PARAMETER CHANGE TABLE (BULK CONTROL) を参照してください。

Parameter Block	Description	Byte Count		Top Address		
		Dec	Hex	H	M	L
SYSTEM	System	60	3C	00	00	00
	Plug-in Board Native System	32	20	00	10	00
	Master EQ (for Voice Mode)	20	14	00	20	00

PERFORMANCE	COMMON	Bulk Header	0	00	0E	mm	nn
		Common	68	44	30	00	00
		Reverb	24	18	30	01	00
		Chorus	25	19	30	02	00
		Insertion 1 (for A/D Part)	22	16	30	03	00
		Insertion 2 (for A/D Part)	34	22	30	04	00
		Controller (for A/D Part)	10	0A	30	05	00
		Master EQ	20	14	30	10	00
		Native (for InsEF Plug-in)	68	44	30	20	00
	PART	Part1	37	25	31	00	00
		:	16 Blocks	:	:	:	:
	A/D PART	Part16	37	25	31	0F	00
		A/D Part	37	25	31	40	00
	PHRASE CLIP PART	Phrase Clip Part	37	25	31	50	00
	PLUG-IN PART	Plug-in 1 Part	37	25	31	60	00
		Plug-in 2 Part	37	25	31	61	00
	MASTER KEYBOARD ZONE	Zone1	16	10	32	00	00
		:	4 Blocks	:	:	:	:
		Zone4	16	10	32	03	00
		Bulk Footer	0	00	0F	mm	nn

VOICE (NORMAL)	COMMON	Bulk Header	0	00	0E	mm	nn
		Extra	56	38	40	70	00
		Common	13	0D	40	00	00
		Reverb	24	18	40	01	00
		Chorus	25	19	40	02	00
		Insertion 1(S)	22	16	40	03	00
		Insertion 2(L)	34	22	40	04	00
		Controller	30	1E	40	05	00
		LFO	14	0E	40	06	00
	ELEMENT 1	Oscillator	13	0D	41	00	00
		Amplitude	29	1D	41	00	20
		Pitch	27	1B	42	00	00
		Filter	48	30	43	00	00
		EQ	8	08	44	00	00
		LFO	6	06	44	00	40
	ELEMENT 2	Oscillator	13	0D	41	01	00
		Amplitude	29	1D	41	01	20
		Pitch	27	1B	42	01	00
		Filter	48	30	43	01	00
		EQ	8	08	44	01	00
		LFO	6	06	44	01	40
	ELEMENT 3	Oscillator	13	0D	41	02	00
		Amplitude	29	1D	41	02	20
		Pitch	27	1B	42	02	00
		Filter	48	30	43	02	00
		EQ	8	08	44	02	00
		LFO	6	06	44	02	40
	ELEMENT 4	Oscillator	13	0D	41	03	00
		Amplitude	29	1D	41	03	20
		Pitch	27	1B	42	03	00
		Filter	48	30	43	03	00
		EQ	8	08	44	03	00
		LFO	6	06	44	03	40
		Bulk Footer	0	00	0F	mm	nn

VOICE (DRUM)	COMMON	Bulk Header	0	00	0E	mm	nn
		Extra	56	38	46	70	00
		Common	7	07	46	00	00
		Reverb	24	18	46	01	00
		Chorus	25	19	46	02	00
		Insertion 1(S)	22	16	46	03	00
		Insertion 2(L)	34	22	46	04	00
		Controller	30	1E	46	05	00
	KEY C 0	Oscillator	18	12	47	00	00
		Amplitude	12	0C	47	00	20
		Pitch	3	03	48	00	00
		Filter	8	08	49	00	00
		EQ	8	08	4A	00	00
	:	73 Blocks	:	:	:	:	
	KEY C 6	Oscillator	18	12	47	48	00
		Amplitude	12	0C	47	48	20
		Pitch	3	03	48	48	00
		Filter	8	08	49	48	00
		EQ	8	08	4A	48	00
		Bulk Footer	0	00	0F	mm	nn

VOICE (PLUG-IN)	Bulk Header	0	00	0E	mm	nn
COMMON	Extra	56	38	4C	70	00
	Common	13	0D	4C	00	00
	Reverb	24	18	4C	01	00
	Chorus	25	19	4C	02	00
	Insertion 1(S)	22	16	4C	03	00
	Controller	10	0A	4C	05	00
	Plug-in Element	35	23	4C	10	00
	Native	68	44	4C	20	00
		Bulk Footer	0	00	0F	mm

Parameter Change

F0, 43, 1n, id, ah, am, al, dt, ..., F7

n: Device Number
 id: Model ID
 ah: Parameter Address High
 am: Parameter Address Middle
 al: Parameter Address Low
 dt: Data

Parameter Request

F0, 43, 3n, id, ah, am, al, F7

n: Device Number
 id: Model ID
 ah: Parameter Address High
 am: Parameter Address Middle
 al: Parameter Address Low

Bulk Dump

F0, 43, 0n, id, bh, bl, ah, am, al, dt, ..., cc, F7

n: Device Number
 id: Model ID
 bh: Byte Count High
 bl: Byte Count Low
 ah: Parameter Address High
 am: Parameter Address Middle
 al: Parameter Address Low
 dt: Data
 cc: Check Sum of Data

Bulk Dump Request

F0, 43, 2n, id, ah, am, al, F7

n: Device Number
 id: Model ID
 ah: Parameter Address High
 am: Parameter Address Middle
 al: Parameter Address Low

<付表 3>

MIDI PARAMETER CHANGE TABLE (SYSTEM)

Table with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes. Rows include parameters like Master Volume, Master Note Shift, Master Tune, Controller Reset, etc.

TOTAL SIZE = 60 3C (HEX)

Summary table for MIDI PARAMETER CHANGE TABLE (SYSTEM) with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes.

Table with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes. Rows include EQ Gain1, EQ Frequency1, EQ Q1, EQ Shape1, etc.

TOTAL SIZE = 20 14 (HEX)

Summary table for MIDI PARAMETER CHANGE TABLE (SYSTEM) with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes.

MIDI PARAMETER CHANGE TABLE (BULK CONTROL)

Table with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes. Rows include Bulk Header, Normal Voice INT, Normal Voice EXT, etc.

<付表 4>

MIDI PARAMETER CHANGE TABLE (REMOTE SWITCH)

Table with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes. Rows include OCT DOWN, OCT UP, SCENE1, SCENE2, ARP HOLD, etc.

<付表 6 >

MIDI PARAMETER CHANGE TABLE (PERFORMANCE PART)

Table with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes. Contains MIDI parameter settings for performance parts.

pp = part number
00-0F Part 1 - 16
40 Part A/D
50 Part Phrase Clip
60 Part Plug-in 1
61 Part Plug-in 2

<付表 7 >

MIDI PARAMETER CHANGE TABLE (MASTER KEYBOARD ZONE) CS6x, S80 only

Table with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes. Contains MIDI parameter settings for Master Keyboard Zone.

TOTAL SIZE = 16 10 (HEX)
m = zone number 00 - 03

<付表 8 >

MIDI PARAMETER CHANGE TABLE (NORMAL VOICE COMMON)

Table with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes. Contains MIDI parameter settings for Normal Voice Common.

Table with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes. Continuation of MIDI parameter settings.

Table with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes. Continuation of MIDI parameter settings.

Table with columns: Address, Size, Data Range(HEX), Parameter Name, Description, Default(HEX), Notes. Continuation of MIDI parameter settings.

Address	Size	Data Range(HEX)	Parameter Name	Description	Default(HEX)	Notes
4C 03 00	2	00-7F	Insertion Type MSB	Effect Parameter List 参照	0000	
		00-7F	Insertion Type LSB			
4C 03 02	2	00-7F	Insertion Parameter1 MSB	#	0000	
		00-7F	Insertion Parameter1 LSB			
4C 03 04	2	00-7F	Insertion Parameter2 MSB	#	0000	
		00-7F	Insertion Parameter2 LSB			
4C 03 06	2	00-7F	Insertion Parameter3 MSB	#	0000	
		00-7F	Insertion Parameter3 LSB			
4C 03 08	2	00-7F	Insertion Parameter4 MSB	#	0000	
		00-7F	Insertion Parameter4 LSB			
4C 03 0A	2	00-7F	Insertion Parameter5 MSB	#	0000	
		00-7F	Insertion Parameter5 LSB			
4C 03 0C	2	00-7F	Insertion Parameter6 MSB	#	0000	
		00-7F	Insertion Parameter6 LSB			
4C 03 0E	2	00-7F	Insertion Parameter7 MSB	#	0000	
		00-7F	Insertion Parameter7 LSB			
4C 03 10	2	00-7F	Insertion Parameter8 MSB	#	0000	
		00-7F	Insertion Parameter8 LSB			
4C 03 12	2	00-7F	Insertion Parameter9 MSB	#	0000	
		00-7F	Insertion Parameter9 LSB			
4C 03 14	2	00-7F	Insertion Parameter10 MSB	#	0040	
		00-7F	Insertion Parameter10 LSB			
TOTAL SIZE = 22 16 (HEX)						

4C 05 00	1	00-09	Controller Set1 Source	PB, MW, ..., AT, FC, FS, RB, BC, KN1, KN2	00	
4C 05 01	2	00	Controller Set1 Destination MSB	0 - 13	00	
		00-0D	Controller Set1 Destination LSB		00	
4C 05 03	1	00-7F	Controller Set1 Depth	-64 - +63	40	
4C 05 04	1	reserved			00	
4C 05 05	1	00-09	Controller Set2 Source	PB, MW, ..., AT, FC, FS, RB, BC, KN1, KN2	00	
4C 05 06	2	00	Controller Set2 Destination MSB	0 - 13	00	
		00-0D	Controller Set2 Destination LSB		00	
4C 05 08	1	00-7F	Controller Set2 Depth	-64 - +63	40	
4C 05 09	1	reserved			00	
TOTAL SIZE = 10 0A (HEX)						

4C 10 00	1	00-7F	Voice Bank MSB	0..127		depends on plug-in board
4C 10 01	1	00-7F	Voice Bank LSB	0..127		depends on plug-in board
4C 10 02	1	00-7F	Voice Number	0..127		depends on plug-in board
4C 10 03	1	28-58	Note Shift	-24...+24[semitones]	40	
4C 10 04	1	00-7F	Velocity Sense Depth	0..127	40	
4C 10 05	1	00-7F	Velocity Sense Offset	0..127	40	
4C 10 06	1	00-7F	(Vibrato Rate) LFO Speed	-64..+63	40	
4C 10 07	1	00-7F	(Vibrato Depth) LFO Pitch Depth	-64..+63	40	
4C 10 08	1	00-7F	(Vibrato Delay) LFO Delay	-64..+63	40	
4C 10 09	1	00-7F	MW Filter Control	-64..+63	40	
4C 10 0A	1	40	reserved	0	00	
4C 10 0B	1	00-7F	MW LFO Pitch Modulation Depth	0..127	0A	
4C 10 0C	1	00-7F	MW LFO Filter Modulation Depth	0..127	00	
4C 10 0D	1	00-7F	MW LFO Amplitude Modulation Depth	0..127	00	
4C 10 0E	1	28-58	CAT Pitch Control	-24...+24[semitones]	40	
4C 10 0F	1	00-7F	CAT Filter Control	-64..+63	40	
4C 10 10	1	40	reserved	-64..+63	40	
4C 10 11	1	00-7F	CAT LFO Pitch Modulation Depth	0..127	00	
4C 10 12	1	00-7F	CAT LFO Filter Modulation Depth	0..127	00	
4C 10 13	1	00-7F	CAT LFO Amplitude Modulation Depth	0..127	00	
4C 10 14	1	00-5F	AC1 Controller Number	0..95	10	
4C 10 15	1	00-7F	AC1 Filter Control	-64..+63	40	
4C 10 16	1	40	reserved	-64..+63	40	
4C 10 17	1	00-7F	AC1 LFO Pitch Modulation Depth	0..127	00	
4C 10 18	1	00-7F	AC1 LFO Filter Modulation Depth	0..127	00	
4C 10 19	1	00-7F	AC1 LFO Amplitude Modulation Depth	0..127	00	
4C 10 1A	1	00-7F	Pitch EG Initial Level	-64..+63	40	
4C 10 1B	1	00-7F	Pitch EG Attack Time	-64..+63	40	
4C 10 1C	1	00-7F	Pitch EG Release Level	-64..+63	40	
4C 10 1D	1	00-7F	Pitch EG Release Time	-64..+63	40	
4C 10 1E	1	00-7F	EQ Low Gain	-64..+63(-12 - +12[dB])	40	
4C 10 1F	1	00-7F	EQ High Gain	-64..+63(-12 - +12[dB])	40	
4C 10 20	1	04-28	EQ Low Frequency	32..2.0k[Hz]	0C	
4C 10 21	1	1C-3A	EQ High Frequency	500...16.0k[Hz]	36	
4C 10 22	1	00-7F	HPF Cutoff Frequency	-64...+63	40	
TOTAL SIZE = 35 23 (HEX)						

4C 20 00	64	00-7F	Plug-in Board Native Parameter	depends on Plug-in Board	00	
4C 20 40	3	00-7F	Plug-in Board Type MSB	depends on plug-in board		
		00-7F	Plug-in Board Type LSB	depends on plug-in board		
		00-7F	Plug-in Board Version Number	depends on plug-in board		
43	1	00-7F	reserved		00	
TOTAL SIZE = 68 44 (HEX)						

Function...	Transmitted	Recognized	Remarks
Basic Channel	Default 1 - 16 Changed 1 - 16	1 - 16 1 - 16	Memorised
Mode	Default 3 Messages X Altered *****	1 1 - 4(m=1) *2 X	Memorised
Note Number : True voice	0 - 127 *3 *****	0 - 127 0 - 127	Transpose
Velocity	Note ON Note OFF	O 9nH,v=1-127 X 9nH,v=0	O v=1-127 X
After Touch	Key's Ch's	X O *3	X O *1
Pitch Bend	O *3	O *1	
Control Change	0,32 1,7,11 *3 5,10 *3 6,38 X 64 O *3 65 O *3 66 X 71-75 O *3 91,93 O *3 96-97 X 100-101 X 1-95 O	O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1	Bank Select Data Entry Sustain Sw Portamento Sw Sosutenuto Sound Controller Effect Depth RPN Inc,Dec RPN LSB,MSB Assignable Cntrl
Prog Change : True #	O 0 - 127 *1 *****	O 0 - 127 0 - 127	
System Exclusive	O	O	
Common : Song Pos. : Song Sel. : Tune	X X X	X X X	
System : Clock Real Time : Commands	X X	O X	
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:	*1 receive if switch is on. *2 m is always treated as "1" regardless of its value. *3 CS6x only.		

Function...	Transmitted	Recognized	Remarks
Basic Channel Default Changed	1 - 16 X	X X	Memorised
Mode Default Messages Altered	X X *****	X X X	
Note Number : True voice	0 - 127 *****	X X	
Velocity Note ON Note OFF	O 9nH,v=1-127 X 9nH,v=0	X X	
After Touch Key's Ch's	O O	X X	
Pitch Bend	O	X	
Control Change 0-121	O	X	
Prog Change : True #	O 0 - 127 *****	X	
System Exclusive	O	X	
Common : Song Pos. : Song Sel. : Tune	X X X	X X X	
System : Clock Real Time : Commands	O *2 O *2	O *1 *2 O *2	
Aux : All Sound Off : Reset All Cntrls : Local ON/OFF Mes- : All Notes OFF sages: Active Sense : Reset	O O O O O X	X X X X X X	
Notes: *1 if MIDI sync is midi *2 if MIDI control in is on			

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

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

O : Yes
 X : No

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