

Clavinova®

データリスト

CLP-480

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エフェクトタイプ一覧

Reverb Block

[VOICE SETTING]で設定できる
リバーブタイプ

Effect Name	MSB	LSB
Hall1	1	0
Hall2	1	17
Room	2	17
Stage	3	17
Plate	4	16

すべてのリバーブタイプ

XG Effect Name	MSB	LSB
BASIC HALL	1	21
LIGHT HALL	1	22
BALLAD HALL	1	19
PIANO HALL	1	20
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
HALL M	1	6
HALL L	1	7
ATMO HALL	1	23
VOCAL HALL1	1	27
VOCAL HALL2	1	28
ACOSTIC ROOM	2	20
DRUMS ROOM	2	21
PERC ROOM	2	22
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
ROOM S	2	5
ROOM M	2	6
ROOM L	2	7
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
GM PLATE	4	7
TUNNEL	17	0
CANYON	18	0
BASEMENT	19	0
LARGE HALL	1	2
MEDIUM HALL	1	3
WARM ROOM	2	3
WHITE ROOM	16	0
WOODY ROOM	2	4
RICH PLATE	4	1
NO EFFECT	0	0

Chorus Block

[VOICE SETTING]で設定できる
コーラスタイプ

Effect Name	MSB	LSB
Chorus	65	8
Celeste	66	8
Flanger	67	1

すべてのコーラスタイプ

XG Effect Name	MSB	LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
HALL M	1	6
HALL L	1	7
ATMO HALL	1	23
ACOSTIC ROOM	2	20
DRUMS ROOM	2	21
PERC ROOM	2	22
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
ROOM S	2	5
ROOM M	2	6
ROOM L	2	7
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
GM PLATE	4	7
CHORUS1	66	17
CHORUS2	66	8
CHORUS3	66	16
CHORUS4	66	1
CHORUS5	65	2
CHORUS6	65	0
CHORUS7	65	1
CHORUS8	65	8
CHORUS FAST	65	16
CHORUS LITE	65	17
GM CHORUS1	65	3
GM CHORUS2	65	4
GM CHORUS3	65	5
GM CHORUS4	65	6
FB CHORUS	65	7
CELESTE1	66	0
CELESTE2	66	2
SYMPHONIC1	68	16
SYMPHONIC2	68	0
ENS DETUNE1	87	0
ENS DETUNE2	87	16
KARAOKE1	20	0
KARAOKE2	20	1
KARAOKE3	20	2
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
GM FLANGER	67	7
T_FLANGER	107	0

XG Effect Name	MSB	LSB
TEMPO DELAY1	21	0
TEMPO DELAY2	21	16
TEMPO ECHO	21	8
TEMPO CROSS1	22	0
TEMPO CROSS2	22	16
TEMPO CROSS3	22	17
TEMPO CROSS4	22	18
PHASER1	72	0
T_PHASER1	108	0
T_PHASER2	108	16
EP PHASER1	72	17
EP PHASER2	72	18
EP PHASER3	72	16
ROTARY SP1	69	16
ROTARY SP2	71	17
ROTARY SP3	71	18
ROTARY SP4	70	17
ROTARY SP5	66	18
ROTARY SP6	69	0
ROTARY SP7	71	22
AUTO PAN1	71	16
AUTO PAN2	71	0
EP AUTOPAN	71	21
T_AUTO PAN1	121	0
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
EP TREMOLO	70	18
GT TREMOLO1	71	20
GT TREMOLO2	70	19
VIBE VIBRATE	119	0
T_TREMOLO	120	0
NO EFFECT	0	0

DSP Block

[VOICE SETTING]で設定できる
DSPタイプ

Effect Name	MSB	LSB
OFF	64	0
DamperReso	123	16
DelayLCR	5	16
DelayLR	6	0
Echo	7	0
CrossDelay	8	0
Symphonic	68	16
Rotary	66	18
Tremolo	70	18
VibeRotor	119	0
AutoPan	71	21
Phaser	72	17
AutoWah	78	16

すべてのエフェクトタイプ

XG Effect Name	MSB	LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
HALL M	1	6
HALL L	1	7
ATMO HALL	1	23
ACOSTIC ROOM	2	20
DRUMS ROOM	2	21
PERC ROOM	2	22
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
ROOM S	2	5
ROOM M	2	6
ROOM L	2	7
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
GM PLATE	4	7
TUNNEL	17	0
CANYON	18	0
BASEMENT	19	0
WHITE ROOM	16	0
CHORUS1	66	17
CHORUS2	66	8
CHORUS3	66	16
CHORUS4	66	1
CHORUS5	65	2
CHORUS6	65	0
CHORUS7	65	1
CHORUS8	65	8
CHORUS FAST	65	16
CHORUS LITE	65	17
GM CHORUS1	65	3
GM CHORUS2	65	4
GM CHORUS3	65	5
GM CHORUS4	65	6
FB CHORUS	65	7
CELESTE1	66	0
CELESTE2	66	2

XG Effect Name	MSB	LSB
SYMPHONIC1	68	16
SYMPHONIC2	68	0
ENS DETUNE1	87	0
ENS DETUNE2	87	16
KARAOKE1	20	0
KARAOKE2	20	1
KARAOKE3	20	2
ER1	9	0
ER2	9	1
GATE REVERB1	10	0
GATE REVERB2	10	16
REVERSE GATE	11	0
EQ DISCO	76	16
EQ TEL	76	17
2BAND EQ	77	0
3BAND EQ	76	0
ST 3BAND EQ	76	18
HM ENHANCE1	81	16
HM ENHANCE2	81	0
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
GM FLANGER	67	7
T_FLANGER	107	0
DELAY LCR1	5	16
DELAY LCR2	5	0
DELAY L,R	6	0
ECHO	7	0
CROSS DELAY1	8	0
CROSS DELAY2	8	16
TEMPO DELAY1	21	0
TEMPO DELAY2	21	16
TEMPO ECHO	21	8
TEMPO CROSS1	22	0
TEMPO CROSS2	22	16
TEMPO CROSS3	22	17
TEMPO CROSS4	22	18
V_DIST WARM	98	22
V_DIST CLS H	98	23
V_DIST CLS S	98	20
V_DIST METAL	98	24
V_DIST CRUNC	98	18
V_DIST BLUES	98	21
V_DIST EDGY	98	19
V_DIST SOLID	98	25
V_DIST CLEAN1	98	17
V_DIST CLEAN2	98	26
V_DIST TWIN	98	16
V_DIST ROCA	103	18
V_DIST JZ CLN	98	27
V_DIST FUSION	103	19
ST AMP SOLID	75	29
ST AMP CRUNC	75	30
ST AMP BLUES	75	28
ST AMP CLEAN	75	27
ST AMP HARP	75	31
V_DIST HARD	98	0
V_DIST SOFT	98	2
DIST HARD1	75	16
DIST HARD2	75	22
DIST SOFT1	75	17
DIST SOFT2	75	23
DIST HEAVY	73	0
OVER DRIVE	74	0
ST DIST	73	8
ST OD	74	8
ST DIST HARD	75	18
ST DIST SOFT	75	19
AMP SIM1	75	0

XG Effect Name	MSB	LSB
AMP SIM2	75	1
ST AMP1	75	20
ST AMP2	75	21
ST AMP3	75	8
ST AMP4	75	24
ST AMP5	75	25
ST AMP6	75	26
DST+DELAY1	95	16
DST+DELAY2	95	0
OD+DELAY1	95	17
OD+DELAY2	95	1
CMP+DST+DLY1	96	16
CMP+DST+DLY2	96	0
CMP+OD+DLY1	96	17
CMP+OD+DLY2	96	1
V_DIST H+DLY	98	1
V_DIST S+DLY	98	3
DST+TDLY	100	0
OD+TDLY	100	1
COMP+DIST1	73	16
COMP+DIST2	73	1
CMP+DST+TDL	101	0
CMP+OD+TDLY1	101	1
CMP+OD+TDLY2	101	16
CMP+OD+TDLY3	101	17
CMP+OD+TDLY4	101	18
CMP+OD+TDLY5	101	19
CMP+OD+TDLY6	101	20
V_DIST H+TDL1	103	0
V_DIST H+TDL2	103	17
V_DIST S+TDL1	103	1
V_DIST S+TDL2	103	16
COMP MED	83	16
COMP HEAVY	83	17
COMP MELODY	105	16
COMP BASS	105	17
MBAND COMP	105	0
COMPRESSOR	83	0
NOISE GATE	84	0
VCE CANCEL	85	0
AMBIENCE	88	0
TALKING MOD	93	0
LO-FI DRUM3	76	19
LO-FI DRUM4	76	20
ISOLATOR	115	0
PHASER1	72	0
PHASER2	72	8
PHASER3	72	19
T_PHASER1	108	0
T_PHASER2	108	16
EP PHASER1	72	17
EP PHASER2	72	18
EP PHASER3	72	16
PITCH CHG1	80	16
PITCH CHG2	80	0
PITCH CHG3	80	1
DUAL ROT BRT	99	16
DUAL ROT WRM	99	17
DUAL ROT SP1	99	0
DUAL ROT SP2	99	1
ROTARY SP1	69	16
ROTARY SP2	71	17
ROTARY SP3	71	18
ROTARY SP4	70	17
ROTARY SP5	66	18
ROTARY SP6	69	0
ROTARY SP7	71	22
2WAY ROT SP	86	0
DST+ROT SP	69	1
DST+2ROT SP	86	1
OD+ROT SP	69	2

XG Effect Name	MSB	LSB
OD+2ROT SP	86	2
AMP+ROT SP	69	3
AMP+2ROT SP	86	3
AUTO PAN1	71	16
AUTO PAN2	71	0
AUTO PAN3	71	1
EP AUTOPAN	71	21
T_AUTO PAN1	121	0
T_AUTO PAN2	121	1
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
EP TREMOLO	70	18
GT TREMOLO1	71	20
GT TREMOLO2	70	19
VIBE VIBRATE	119	0
T_TREMOLO	120	0
AUTO WAH1	78	16
AUTO WAH2	78	0
AT.WAH+DST1	78	17
AT.WAH+DST2	78	1
AT.WH+DST HD	78	21
AT.WH+DST HV	78	23
AT.WH+DST LT	78	25
AT.WAH+OD1	78	18
AT.WAH+OD2	78	2
AT.WH+OD HD	78	22
AT.WH+OD HV	78	24
AT.WH+OD LT	78	26
TEMPO AT.WAH	79	0
T_AT.WH+DST	79	1
T_A.WH+DSTHD	79	21
T_A.WH+DSTHV	79	23
T_A.WH+DSTLT	79	25
T_AT.WH+OD	79	2
T_A.WH+OD HD	79	22
T_A.WH+OD HV	79	24
T_A.WH+OD LT	79	26
TOUCH WAH1	82	0
TOUCH WAH2	82	8
TOUCH WAH3	82	20
TC.WH+DST1	82	16
TC.WH+DST2	82	1
TC.WH+DST HD	82	21
TC.WH+DST HV	82	23
TC.WH+DST LT	82	25
TC.WAH+OD1	82	17
TC.WAH+OD2	82	2
TC.WAH+OD HD	82	22
TC.WAH+OD HV	82	24
TC.WAH+OD LT	82	26
WH+DST+DLY1	97	16
WH+DST+DLY2	97	0
WH+DST+TDLY	102	0
WH+OD+DLY1	97	17
WH+OD+DLY2	97	1
WH+OD+TDLY1	102	1
WH+OD+TDLY2	102	16
CLAVI TC.WAH	82	18
EP TC.WAH	82	19
PEDAL WAH	122	0
PEDAL WH+DST	122	1
P.WH+DIST HD	122	21
P.WH+DIST HV	122	23
P.WH+DIST LT	122	25
PEDAL WH+OD	122	2
P.WH+OD HD	122	22
P.WH+OD HV	122	24
P.WH+OD LT	122	26
DAMPER RESO1	123	0
DAMPER RESO2	123	16

XG Effect Name	MSB	LSB
NO EFFECT	0	0
THRU	64	0

エフェクトパラメーター一覧

Control欄に印がついているものは、AC1(アサインブルコントローラー 1)などでコントロール可能なパラメーターです。

(注: Parameter 10 Dry/WetはDSP Effectにのみ有効)
 (*1) Reverb Block
 (*2) Chorus Block
 (*3) DSP Block

REVERB

BASIC HALL, LIGHT HALL, HALL1, 2, 3, 4, 5, HALL M, HALL L, ATMO HALL, VOCAL HALL1, 2, ACOSTIC ROOM, DRUMS ROOM, PERC ROOM, ROOM1, 2, 3, 4, 5, 6, 7, ROOM S, ROOM M, ROOM L, STAGE1, 2, 3, 4, PLATE1, 2, 3, GM PLATE

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3s – 30.0s	0 – 69	Table #4	
2	Diffusion	0 – 10	0 – 10		
3	Initial Delay	0.1ms – 200.0ms (*1) 0.1ms – 99.3ms (*2, 3)	0 – 127 0 – 63	Table #5	
4	HPF Cutoff	Thru, 22Hz – 8.0kHz	0, 1 – 52	Table #3	
5	LPF Cutoff	1.0kHz – 18kHz, Thru	34 – 59, 60	Table #3	
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		●
11	Rev Delay	0.1ms – 200.0ms (*1) 0.1ms – 99.3ms (*2, 3)	0 – 127 0 – 63	Table #5	
12	Density	0 – 4 (*1, 3) 0 – 2 (*2)	0 – 4 0 – 2		
13	Er/Rev Balance	E63>R – E=R – E<R63	1 – 64 – 127		
14	High Damp	0.1 – 1.0	1 – 10		
15	Feedback Level	-63 – 0 – +63	1 – 64 – 127		
16					

BALLAD HALL, PIANO HALL, LARGE HALL, MEDIUM HALL WARM ROOM, WOODY ROOM, RICH PLATE

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3s – 30.0s	0 – 69	Table #4	
2	Diffusion	0 – 10	0 – 10		
3	Initial Delay	0.1ms – 200.0ms	0 – 127	Table #5	
4	HPF Cutoff	Thru, 22Hz – 8.0kHz	0, 1 – 52	Table #3	
5	LPF Cutoff	1.0kHz – 18kHz, Thru	34 – 59, 60	Table #3	
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		●
11					
12					
13					
14	High Damp	0.1 – 1.0	1 – 10		
15					
16					

TUNNEL, CANYON, BASEMENT, WHITE ROOM

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3s – 30.0s	0 – 69	Table #4	
2	Diffusion	0 – 10	0 – 10		
3	Initial Delay	0.1ms – 200.0ms (*1) 0.1ms – 99.3ms (*3)	0 – 127 0 – 63	Table #5	
4	HPF Cutoff	Thru, 22Hz – 8.0kHz	0, 1 – 52	Table #3	
5	LPF Cutoff	1.0kHz – 18kHz, Thru	34 – 59, 60	Table #3	
6	Width	0.5m – 30.2m (*1) 0.5m – 10.2m (*3)	0 – 104 0 – 37	Table #11	
7	Height	0.5m – 30.2m (*1) 0.5m – 20.2m (*3)	0 – 104 0 – 73	Table #11	
8	Depth	0.5m – 30.2m	0 – 104	Table #11	
9	Wall Vary	0 – 30	0 – 30		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		●
11	Rev Delay	0.1ms – 200.0ms (*1) 0.1ms – 99.3ms (*3)	0 – 127 0 – 63	Table #5	
12	Density	0 – 4	0 – 4		
13	Er/Rev Balance	E63>R – E=R – E<R63	1 – 64 – 127		
14	High Damp	0.1 – 1.0	1 – 10		
15	Feedback Level	-63 – 0 – +63	1 – 64 – 127		
16					

DELAY

DELAY LCR1, DELAY LCR2

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1ms – 1638.3ms	1 – 16383		
2	Rch Delay	0.1ms – 1638.3ms	1 – 16383		
3	Cch Delay	0.1ms – 1638.3ms	1 – 16383		
4	Feedback Delay	0.1ms – 1638.3ms	1 – 16383		
5	Feedback Level	-63 – 0 – +63	1 – 64 – 127		
6	Cch Level	0 – 127	0 – 127		
7	High Damp	0.1 – 1.0	1 – 10		
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		

DELAY LR

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1ms – 1638.3ms	1 – 16383		
2	Rch Delay	0.1ms – 1638.3ms	1 – 16383		
3	Feedback Delay 1	0.1ms – 1638.3ms	1 – 16383		
4	Feedback Delay 2	0.1ms – 1638.3ms	1 – 16383		
5	Feedback Level	-63 – 0 – +63	1 – 64 – 127		
6	High Damp	0.1 – 1.0	1 – 10		
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		

ECHO

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay1	0.1ms – 1486.0ms	1 – 14860		
2	Lch Feedback Level	-63 – 0 – +63	1 – 64 – 127		
3	Rch Delay1	0.1ms – 1486.0ms	1 – 14860		
4	Rch Feedback Level	-63 – 0 – +63	1 – 64 – 127		
5	High Damp	0.1 – 1.0	1 – 10		
6	Lch Delay2	0.1ms – 1486.0ms	1 – 14860		
7	Rch Delay2	0.1ms – 1486.0ms	1 – 14860		
8	Delay2 Level	0 – 127	0 – 127		
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		

CROSS DELAY1, CROSS DELAY2

No.	Parameter	Display	Value	See Table	Control
1	L->R Delay	0.1ms – 1486.0ms	1 – 14860		
2	R->L Delay	0.1ms – 1486.0ms	1 – 14860		
3	Feedback Level	-63 – 0 – +63	1 – 64 – 127		
4	Input Select	L, R, L&R	0 – 2		
5	High Damp	0.1 – 1.0	1 – 10		
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
14	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
16	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		

TEMPO DELAY1, TEMPO DELAY2, TEMPO ECHO

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 - 4thx6	0 - 19	Table #13	
2	Feedback Level	-63 - 0 - +63	1 - 64 - 127		
3	Feedback High Dump	0.1 - 1.0	1 - 10		
4	L/R Diffusion	-63ms - 0ms - 63ms	1 - 64 - 127		
5	Lag	-63ms - 0ms - 63ms	1 - 64 - 127		
6					
7					
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11					
12					
13	EQ Low Frequency	32Hz - 2.0kHz	4 - 40		
14	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
15	EQ High Frequency	500Hz - 16.0kHz	28 - 58		
16	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		

TEMPO CROSS1, 2, 3, 4

No.	Parameter	Display	Value	See Table	Control
1	Delay Time L>R	64th/3 - 4thx6	0 - 19	Table #13	
2	Delay Time R>L	64th/3 - 4thx6	0 - 19	Table #13	
3	Feedback Level	-63 - 0 - +63	1 - 64 - 127		
4	Input Select	L, R, L&R	0 - 2		
5	Feedback High Dump	0.1 - 1.0	1 - 10		
6	Lag	-63ms - 0ms - 63ms	1 - 64 - 127		
7					
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11					
12					
13	EQ Low Frequency	32Hz - 2.0kHz	4 - 40		
14	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
15	EQ High Frequency	500Hz - 16.0kHz	28 - 58		
16	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		

ER/KARAOKE

KARAOKE1, 2, 3

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1ms - 400.0ms	0 - 127	Table #7	
2	Feedback Level	-63 - 0 - +63	1 - 64 - 127		
3	HPF Cutoff	Thru, 22Hz - 8.0kHz	0, 1 - 52	Table #3	
4	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60	Table #3	
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	Density	0 - 3	0 - 3		
12					
13					
14					
15					
16					

ER1, ER2

No.	Parameter	Display	Value	See Table	Control
1	Type	S-H, L-H, Rdm, Rvs, Pit, Spr	0 - 5		
2	Room Size	0.1 - 20.0	0 - 127	Table #6	
3	Diffusion	0 - 10	0 - 10		
4	Initial Delay	0.1ms - 200.0ms	0 - 127	Table #5	
5	Feedback Level	-63 - 0 - +63	1 - 64 - 127		
6	HPF Cutoff	Thru, 22Hz - 8.0kHz	0, 1 - 52	Table #3	
7	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60	Table #3	
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	Liveness	0 - 10	0 - 10		
12	Density	0 - 3	0 - 3		
13	High Damp	0.1 - 1.0	1 - 10		
14					
15					
16					

GATE REVERB1, GATE REVERB2, REVERSE GATE

No.	Parameter	Display	Value	See Table	Control
1	Type	TypeA, TypeB	0 - 1		
2	Room Size	0.1 - 20.0	0 - 127	Table #6	
3	Diffusion	0 - 10	0 - 10		
4	Initial Delay	0.1ms - 200.0ms	0 - 127	Table #5	
5	Feedback Level	-63 - 0 - +63	1 - 64 - 127		
6	HPF Cutoff	Thru, 22Hz - 8.0kHz	0, 1 - 52	Table #3	
7	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60	Table #3	
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	Liveness	0 - 10	0 - 10		
12	Density	0 - 3	0 - 3		
13	High Damp	0.1 - 1.0	1 - 10		
14					
15					
16					

CHORUS

CHORUS1, 2, 3, 4, 5, 6, 7, 8, CHORUS FAST, CHORUS LITE, GM CHORUS1, 2, 3, 4, FB CHORUS, CELESTE1, 2

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz - 39.7Hz	0 - 127	Table #1	
2	LFO Depth	0 - 127	0 - 127	Table #14	
3	Feedback Level	-63 - 0 - +63	1 - 64 - 127		
4	Delay Offset	0.0ms - 50ms	0 - 127	Table #2	
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	EQ Mid Frequency (*3)	100Hz - 10.0kHz	14 - 54	Table #3	
12	EQ Mid Gain (*3)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Width (*3)	0.1 - 12.0	1 - 120		
14					
15	Input Mode	mono, stereo	0 - 1		
16					

SYMPHONIC1, SYMPHONIC2

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz - 39.7Hz	0 - 127	Table #1	
2	LFO Depth	0 - 127	0 - 127	Table #14	
3	Delay Offset	0.0ms - 50ms	0 - 127	Table #2	
4					
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	EQ Mid Frequency (*3)	100Hz - 10.0kHz	14 - 54	Table #3	
12	EQ Mid Gain (*3)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Width (*3)	0.1 - 12.0	1 - 120		
14					
15					
16					

ENS DETUNE1, ENS DETUNE2

No.	Parameter	Display	Value	See Table	Control
1	Detune	-50cent - 0cent - +50cent	14 - 64 - 114		
2	Lch Init Delay	0.0ms - 50ms	0 - 127	Table #2	
3	Rch Init Delay	0.0ms - 50ms	0 - 127	Table #2	
4					
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
12	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
14	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
15					
16					

FLANGER

FLANGER1, 2, 3, 4, 5, GM FLANGER

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	Table #1	●
2	LFO Depth	0 – 127	0 – 127	Table #14	
3	Feedback Level	-63 – 0 – +63	1 – 64 – 127	Table #2	
4	Delay Offset	0.0ms – 50ms	0 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58		
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		
11	EQ Mid Frequency (*3)	100Hz – 10.0kHz	14 – 54	Table #3	
12	EQ Mid Gain (*3)	-12dB – 0dB – +12dB	52 – 64 – 76	●	
13	EQ Mid Width (*3)	0.1 – 12.0	1 – 120		
14	LFO Phase Difference	-180deg – 0deg – +180deg	4 – 64 – 124	resolution =3deg.	
15					
16					

T_FLANGER

No.	Parameter	Display	Value	See Table	Control
1	LFO Freq	16th – 4thx16	5 – 29	Table #13	●
2	LFO Depth	0 – 127	0 – 127	Table #14	
3	Feedback Level	-63 – 0 – +63	1 – 64 – 127	Table #2	
4	Delay Offset	0.0ms – 50ms	0 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58		
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		
11	EQ Mid Frequency (*3)	100Hz – 10.0kHz	14 – 54	Table #3	
12	EQ Mid Gain (*3)	-12dB – 0dB – +12dB	52 – 64 – 76	●	
13	EQ Mid Width (*3)	0.1 – 12.0	1 – 120		
14	LFO Phase Difference	-180deg – 0deg – +180deg	4 – 64 – 124	resolution =3deg.	
15					
16					

PHASER

PHASER1, EP PHASER1, 2, 3

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	Table #1	●
2	LFO Depth	0 – 127	0 – 127	Table #14	
3	Phase Shift Offset	0 – 127	0 – 127	Table #3	
4	Feedback Level	-63 – 0 – +63	1 – 64 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58		
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		
11	Stage	4 – 22 (*3) 4 – 12 (*2)	4 – 22 4 – 12	●	
12	Diffusion	mono, stereo	0 – 1		
13					
14					
15					
16					

PHASER2, PHASER3

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	Table #1	●
2	LFO Depth	0 – 127	0 – 127	Table #14	
3	Phase Shift Offset	0 – 127	0 – 127	Table #3	
4	Feedback Level	-63 – 0 – +63	1 – 64 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58		
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		
11	Stage	3 – 11	3 – 11	●	
12					
13	LFO Phase Difference	-180deg – 0deg – +180deg	4 – 64 – 124	resolution =3deg.	
14					
15					
16					

T_PHASER1, T_PHASER2

No.	Parameter	Display	Value	See Table	Control
1	LFO Freq	16th – 4thx16	5 – 29	Table #13	●
2	LFO Depth	0 – 127	0 – 127	Table #14	
3	Phase Shift Offset	0 – 127	0 – 127	Table #3	
4	Feedback Level	-63 – 0 – +63	1 – 64 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58		
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		
11	Stage	3 – 11	3 – 11	●	
12					
13	LFO Phase Difference	-180deg – 0deg – +180deg	4 – 64 – 124	resolution =3deg.	
14					
15					
16					

DISTORTION

V_DIST WARM, V_DIST CLS H, V_DIST CLS S, V_DIST METAL, V_DIST CRUNC, V_DIST BLUES, V_DIST EDGY, V_DIST SOLID, V_DIST CLEAN1, V_DIST CLEAN2, V_DIST TWIN, V_DIST JZ CLN, V_DIST HARD, V_DIST SOFT

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0% – 100%	0 – 100	●	●
2	Device	Transistor, Vintage Tube, Dist1, Dist2, Fuzz	0 – 4		
3	Speaker	Flat, Stack, Combo, Twin, Radio, Megaphone	0 – 5		
4	Presence	0 – 20	0 – 20		
5	Output Level	0% – 100%	0 – 100		
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 64 – 127		
11					
12					
13					
14					
15					
16					

V_DIST ROCA, V_DIST FUSION

No.	Parameter	Display	Value	See Table	Control	
1	Overdrive	0% – 100%	0 – 100	●	●	
2	Device	Transistor, Vintage Tube, Dist1, Dist2, Fuzz	0 – 4			
3	Speaker	Flat, Stack, Combo, Twin, Radio, Megaphone	0 – 5			
4	Presence	0 – 20	0 – 20			
5	Output Level	0% – 100%	0 – 100			
6	Delay Time	64th/3 – 4thx6	0 – 19			Table #13
7	Delay Feedback Level	-63 – 0 – +63	1 – 64 – 127			
8	L/R Diffusion	-63ms – 0ms – 63ms	1 – 64 – 127			
9	Lag	-63ms – 0ms – 63ms	1 – 64 – 127			
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127			
11	Delay Mix	0 – 127	0 – 127			
12	Feedback High Dump	0.1 – 1.0	1 – 10			
13						
14						
15						
16						

ST AMP SOLID, ST AMP CRUNC, ST AMP BLUES, ST AMP CLEAN, ST AMP HARP, ST DIST HARD, ST DIST SOFT, ST AMP1, 2, 3, 4, 5, 6

No.	Parameter	Display	Value	See Table	Control	
1	Drive	0 – 127	0 – 127	●	●	
2	AMP Type	Off, Stack, Combo, Tube	0 – 3			
3	LPF Cutoff	1.0kHz – 18kHz, Thru	34 – 59, 60			Table #3
4	Output Level	0 – 127	0 – 127			
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127			
11	Edge (Clip Curve)	0 – 127 (mild – sharp)	0 – 127			
12						
13						
14						
15						
16						

DIST HARD1, DIST HARD2, DIST SOFT1, DIST SOFT2, AMP SIM1

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 - 127	0 - 127		●
2	AMP Type	Off, Stack, Combo, Tube	0 - 3		
3	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60	Table #3	
4	Output Level	0 - 127	0 - 127		
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Edge (Clip Curve)	0 - 127 (mild - sharp)	0 - 127		
12					
13					
14					
15					
16					

DIST HEAVY, OVERDRIVE

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 - 127	0 - 127		●
2	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
3	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
4	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60	Table #3	
5	Output Level	0 - 127	0 - 127		
6					
7	EQ Mid Frequency	100Hz - 10.0kHz	14 - 54	Table #3	
8	EQ Mid Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
9	EQ Mid Width	0.1 - 12.0	1 - 120		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Edge (Clip Curve)	0 - 127 (mild - sharp)	0 - 127		
12					
13					
14					
15					
16					

ST DIST, ST OD

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 - 127	0 - 127		●
2	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
3	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
4	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60	Table #3	
5	Output Level	0 - 127	0 - 127		
6					
7	EQ Mid Frequency	100Hz - 10.0kHz	14 - 54	Table #3	
8	EQ Mid Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
9	EQ Mid Width	0.1 - 12.0	1 - 120		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Edge (Clip Curve)	0 - 127	0 - 127		
12					
13					
14					
15					
16					

AMP SIM2

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 - 127	0 - 127		●
2	AMP Type	Off, Stack, Combo, Tube, Crunch, Hi gain, British	0 - 6		
3	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60	Table #3	
4	Output Level	0 - 127	0 - 127		
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11					
12					
13					
14					
15					
16					

DISTORTION+

DST+DELAY1, DST+DELAY2, OD+DELAY1, OD+DELAY2

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay Time	0.1ms - 1638.3ms	1 - 16383		
2	Rch Delay Time	0.1ms - 1638.3ms	1 - 16383		
3	Delay Feedback Time	0.1ms - 1638.3ms	1 - 16383		
4	Delay Feedback Level	-63 - 0 - +63	1 - 64 - 127		
5	Delay Mix	0 - 127	0 - 127		
6	Dist Drive	0 - 127	0 - 127		
7	Dist Output Level	0 - 127	0 - 127		
8	Dist EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
9	Dist EQ Mid Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11					
12					
13					
14					
15					
16					

CMP+DST+DLY1, CMP+DST+DLY2, CMP+OD+DLY1, CMP+OD+DLY2

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1ms - 1638.3ms	1 - 16383		
2	Delay Feedback Level	-63 - 0 - +63	1 - 64 - 127		
3	Delay Mix	0 - 127	0 - 127		
4	Dist Drive	0 - 127	0 - 127		
5	Dist Output Level	0 - 127	0 - 127		
6	Dist EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
7	Dist EQ Mid Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	Comp. Attack	1ms - 40ms	0 - 19	Table #8	
12	Comp. Release	10ms - 680ms	0 - 15	Table #9	
13	Comp. Threshold	-48dB - -6dB	79 - 121		
14	Comp. Ratio	1.0 - 20.0	0 - 7	Table #10	
15					
16					

V_DST H+DLY, V_DST S+DLY

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0% - 100%	0 - 100		
2	Device	Transistor, Vintage Tube, Dist1, Dist2, Fuzz	0 - 4		
3	Speaker	Flat, Stack, Combo, Twin, Radio, Megaphone	0 - 5		
4	Presence	0 - 20	0 - 20		
5	Output Level	0% - 100%	0 - 100		
6	Delay Time L	0.1ms - 1638.3ms	1 - 16383		
7	Delay Time R	0.1ms - 1638.3ms	1 - 16383		
8	Delay Feedback Time	0.1ms - 1638.3ms	1 - 16383		
9	Delay Feedback Level	-63 - 0 - +63	1 - 64 - 127		
10	Dry/Wet Balance	D63>W - D=W - D<W63	1 - 64 - 127		●
11	Delay Mix	0 - 127	0 - 127		
12	Feedback High Dump	0.1 - 1.0	1 - 10		
13					
14					
15					
16					

DST+TDLY, OD+TDLY

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 - 4thx6	0 - 19	Table #13	
2	Delay Feedback Level	-63 - 0 - +63	1 - 64 - 127		
3	Delay Mix	0 - 127	0 - 127		
4	Dist Drive	0 - 127	0 - 127		
5	Dist Output Level	0 - 127	0 - 127		
6	Dist EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
7	Dist EQ Mid Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	L/R Diffusion	-63ms - 0ms - 63ms	1 - 64 - 127		
9	Lag	-63ms - 0ms - 63ms	1 - 64 - 127		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11					
12					
13					
14					
15					
16					

COMP+DIST1, COMP+DIST2

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 - 127	0 - 127		●
2	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
3	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
4	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60	Table #3	
5	Output Level	0 - 127	0 - 127		
6					
7	EQ Mid Frequency	100Hz - 10.0kHz	14 - 54	Table #3	
8	EQ Mid Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
9	EQ Mid Width	0.1 - 12.0	1 - 120		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Edge (Clip Curve)	0 - 127 (mild - sharp)	0 - 127		
12	Attack	1ms - 40ms	0 - 19	Table #8	
13	Release	10ms - 680ms	0 - 15	Table #9	
14	Threshold	-48dB - -6dB	79 - 121		
15	Ratio	1.0 - 20.0	0 - 7	Table #10	
16					

PITCH CHG3

No.	Parameter	Display	Value	See Table	Control
1	Pitch	-24 - +24	40 - 88		
2	Initial Delay	0.1ms - 400.0ms	0 - 127	Table #7	
3	Fine 1	-50cent - 0cent - +50cent	14 - 64 - 114		
4	Fine 2	-50cent - 0cent - +50cent	14 - 64 - 114		
5	Feedback Level	-63 - 0 - +63	1 - 64 - 127		
6					
7					
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	Pan 1	L63 - C - R63	1 - 64 - 127		
12	Output Level 1	0 - 127	0 - 127		
13	Pan 2	L63 - C - R63	1 - 64 - 127		
14	Output Level 2	0 - 127	0 - 127		
15					
16					

CMP+DST+TDL, CMP+OD+TDLY1, 2, 3, 4, 5, 6

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 - 4thx6	0 - 19	Table #13	
2	Delay Feedback Level	-63 - 0 - +63	1 - 64 - 127		
3	Delay Mix	0 - 127	0 - 127		
4	Dist Drive	0 - 127	0 - 127		
5	Dist Output Level	0 - 127	0 - 127		
6	Dist EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
7	Dist EQ Mid Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	L/R Diffusion	-63ms - 0ms - 63ms	1 - 64 - 127		
9	Lag	-63ms - 0ms - 63ms	1 - 64 - 127		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	Comp. Attack	1ms - 40ms	0 - 19	Table #8	
12	Comp. Release	10ms - 680ms	0 - 15	Table #9	
13	Comp. Threshold	-48dB - -6dB	79 - 121		
14	Comp. Ratio	1.0 - 20.0	0 - 7	Table #10	
15					
16					

WAH AUTO

AUTO WAH1, AUTO WAH2

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz - 39.7Hz	0 - 127	Table #1	
2	LFO Depth	0 - 127	0 - 127	Table #14	
3	Cutoff Frequency Offset	0 - 127	0 - 127		●
4	Resonance	1.0 - 12.0	10 - 120		
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Drive	0 - 127	0 - 127		
12					
13					
14					
15					
16					

V_DST H+TDL1, V_DST H+TDL2, V_DST S+TDL1, V_DST S+TDL2

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0% - 100%	0 - 100		
2	Device	Transistor, Vintage Tube, Dist1, Dist2, Fuzz	0 - 4		
3	Speaker	Flat, Stack, Combo, Twin, Radio, Megaphone	0 - 5		
4	Presence	0 - 20	0 - 20		
5	Output Level	0% - 100%	0 - 100		
6	Delay Time	64th/3 - 4thx6	0 - 19	Table #13	
7	Delay Feedback Level	-63 - 0 - +63	1 - 64 - 127		
8	L/R Diffusion	-63ms - 0ms - 63ms	1 - 64 - 127		
9	Lag	-63ms - 0ms - 63ms	1 - 64 - 127		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	Delay Mix	0 - 127	0 - 127		
12	Feedback High Dump	0.1 - 1.0	1 - 10		
13					
14					
15					
16					

AT.WAH+DST1, 2, AT.WH+DST HD, AT.WH+DST HV, AT.WH+DST LT AT.WAH+OD1, 2, AT.WH+OD HD, AT.WH+OD HV, AT.WH+OD LT

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz - 39.7Hz	0 - 127	Table #1	
2	LFO Depth	0 - 127	0 - 127	Table #14	
3	Cutoff Frequency Offset	0 - 127	0 - 127		●
4	Resonance	1.0 - 12.0	10 - 120		
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Drive	0 - 127	0 - 127		
12	EQ Low Gain (distortion)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Gain (distortion)	-12dB - 0dB - +12dB	52 - 64 - 76		
14	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60	Table #3	
15	Output Level	0 - 127	0 - 127		
16					

PITCH CHANGE

PITCH CHG1, PITCH CHG2

No.	Parameter	Display	Value	See Table	Control
1	Pitch	-24 - +24	40 - 88		
2	Initial Delay	0.1ms - 400.0ms	0 - 127	Table #7	
3	Fine 1	-50cent - 0cent - +50cent	14 - 64 - 114		
4	Fine 2	-50cent - 0cent - +50cent	14 - 64 - 114		
5	Feedback Level	-63 - 0 - +63	1 - 64 - 127		
6					
7					
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	Pan 1	L63 - C - R63	1 - 64 - 127		
12	Output Level 1	0 - 127	0 - 127		
13	Pan 2	L63 - C - R63	1 - 64 - 127		
14	Output Level 2	0 - 127	0 - 127		
15					
16					

TEMPO AT.WAH

No.	Parameter	Display	Value	See Table	Control
1	LFO Freq	16th - 4thx16	5 - 29	Table #13	
2	LFO Depth	0 - 127	0 - 127	Table #14	
3	Cutoff Frequency Offset	0 - 127	0 - 127		●
4	Resonance	1.0 - 12.0	10 - 120		
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Drive	0 - 127	0 - 127		
12					
13					
14					
15					
16					

**T_AT.WH+DST, T_A.WH+DSTHD, T_A.WH+DSTHV, T_A.WH+DSTLT
T_AT.WH+OD, T_A.WH+OD HD, T_A.WH+OD HV, T_A.WH+OD LT**

No.	Parameter	Display	Value	See Table	Control
1	LFO Freq	16th - 4thx16	5 - 29	Table #13	●
2	LFO Depth	0 - 127	0 - 127	Table #14	
3	Cutoff Frequency Offset	0 - 127	0 - 127		
4	Resonance	1.0 - 12.0	10 - 120		
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Drive	0 - 127	0 - 127		
12	EQ Low Gain (distortion)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Gain (distortion)	-12dB - 0dB - +12dB	52 - 64 - 76		
14	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60	Table #3	
15	Output Level	0 - 127	0 - 127		
16					

WAH TCH/PDL

TOUCH WAH1, TC.WH+DST1, TC.WH+DST2

No.	Parameter	Display	Value	See Table	Control
1	Sensitivity	0 - 127	0 - 127	●	
2	Cutoff Frequency Offset	0 - 127	0 - 127		
3	Resonance	1.0 - 12.0	10 - 120		
4					
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40		Table #3
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58		Table #3
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Drive	0 - 127	0 - 127		
12					
13					
14					
15					
16					

**TOUCH WAH2, TOUCH WAH3, TC.WH+DST HD, TC.WH+DST HV,
TC.WH+DST LT, TC.WH+OD1, 2, TC.WH+OD HD, TC.WH+OD HV,
TC.WH+OD LT, CLAVI TC.WAH, EP TC.WAH**

No.	Parameter	Display	Value	See Table	Control
1	Sensitivity	0 - 127	0 - 127	●	
2	Cutoff Frequency Offset	0 - 127	0 - 127		
3	Resonance	1.0 - 12.0	10 - 120		
4					
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40		Table #3
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58		Table #3
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Drive	0 - 127	0 - 127		
12	EQ Low Gain (distortion)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Gain (distortion)	-12dB - 0dB - +12dB	52 - 64 - 76		
14	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60		Table #3
15	Output Level	0 - 127	0 - 127		
16	Release	10ms - 680ms	52 - 67		Table #12

WH+DST+DLY1, WH+DST+DLY2, WH+OD+DLY1, WH+OD+DLY2

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1ms - 1638.3ms	1 - 16383	●	
2	Delay Feedback Level	-63 - 0 - +63	1 - 64 - 127		
3	Delay Mix	0 - 127	0 - 127		
4	Dist Drive	0 - 127	0 - 127		
5	Dist Output Level	0 - 127	0 - 127		
6	Dist EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
7	Dist EQ Mid Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8					
9					
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Wah Sensitivity	0 - 127	0 - 127		
12	Wah Cutoff Freq Offset	0 - 127	0 - 127		
13	Wah Resonance	1.0 - 12.0	10 - 120		
14	Wah Release	10ms - 680ms	52 - 67		Table #12
15					
16					

WH+DST+TDLY, WH+OD+TDLY1, WH+OD+TDLY2

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 - 4thx6	0 - 19	Table #13	●
2	Delay Feedback Level	-63 - 0 - +63	1 - 64 - 127		
3	Delay Mix	0 - 127	0 - 127		
4	Dist Drive	0 - 127	0 - 127		
5	Dist Output Level	0 - 127	0 - 127		
6	Dist EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
7	Dist EQ Mid Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	L/R Diffusion	-63ms - 0ms - 63ms	1 - 64 - 127		
9	Lag	-63ms - 0ms - 63ms	1 - 64 - 127		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Wah Sensitivity	0 - 127	0 - 127		
12	Wah Cutoff Freq Offset	0 - 127	0 - 127		
13	Wah Resonance	1.0 - 12.0	10 - 120		
14	Wah Release	10ms - 680ms	52 - 67	Table #12	
15					
16					

PEDAL WAH

No.	Parameter	Display	Value	See Table	Control
1	Pedal Control	0 - 127	0 - 127	●	
2	Depth	0 - 127	0 - 127		
3	Cutoff Frequency Offset	0 - 127	0 - 127		
4	Resonance	1.0 - 12.0	10 - 120		
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40		Table #3
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58		Table #3
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Drive	0 - 127	0 - 127		
12					
13					
14					
15					
16					

**PEDAL WH+DST, P.WH+DIST HD, P.WH+DIST HV, P.WH+DIST LT
PEDAL WH+OD, P.WH+OD HD, P.WH+OD HV, P.WH+OD LT**

No.	Parameter	Display	Value	See Table	Control
1	Pedal Control	0 - 127	0 - 127	●	
2	Depth	0 - 127	0 - 127		
3	Cutoff Frequency Offset	0 - 127	0 - 127		
4	Resonance	1.0 - 12.0	10 - 120		
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40		Table #3
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58		Table #3
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	Drive	0 - 127	0 - 127		
12	EQ Low Gain (distortion)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Gain (distortion)	-12dB - 0dB - +12dB	52 - 64 - 76		
14	LPF Cutoff	1.0kHz - 18kHz, Thru	34 - 59, 60		Table #3
15	Output Level	0 - 127	0 - 127		
16					

DYNAMIC

COMP MED, COMP HEAVY, COMPRESSOR

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

COMP MELODY, COMP BASS, MBAND COMP

No.	Parameter	Display	Value	See Table	Control
1	Type	Normal, Low, Mid, High, Low/High, Low/Mid, Mid/High, Full Bit, Wild, Attacky, Low End, Hard, Basic	0 - 12		
2	Threshold Offset	-32 - +32	32 - 96		●
3	Low Gain Offset	-63 - 0 - +63	1 - 64 - 127		
4	Mid Gain Offset	-63 - 0 - +63	1 - 64 - 127		
5	High Gain Offset	-63 - 0 - +63	1 - 64 - 127		
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

NOISE GATE

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

ROTARY SP

DUAL ROT BRT, DUAL ROT WRM, DUAL ROT SP1, 2

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed Slow	0.00Hz - 2.65Hz	0 - 63	Table #1	
2	Horn Speed Slow	0.00Hz - 2.65Hz	0 - 63	Table #1	
3	Rotor Speed Fast	2.69Hz - 39.7Hz	64 - 127	Table #1	
4	Horn Speed Fast	2.69Hz - 39.7Hz	64 - 127	Table #1	
5	Slow-Fast Time of R	0 - 127	0 - 127		
6	Slow-Fast Time of H	0 - 127	0 - 127		
7	Drive Low	0 - 127	0 - 127		
8	Drive High	0 - 127	0 - 127		
9	Low/High Balance	L63>H - L=H - L<H63	1 - 64 - 127		
10					
11	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
12	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
14	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
15	Mic L-R Angle	0deg - 180deg	0 - 60		
16	Speed Control	Slow, Fast	0 - 1		●

ROTARY SP1, ROTARY SP6

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz - 39.7Hz	0 - 127	Table #1	●
2	LFO Depth	0 - 127	0 - 127	Table #14	
3					
4					
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		
11	EQ Mid Frequency (*3)	100Hz - 10.0kHz	14 - 54	Table #3	
12	EQ Mid Gain (*3)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Width (*3)	0.1 - 12.0	1 - 120		
14					
15					
16					

ROTARY SP2, 3, 7

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz - 39.7Hz	0 - 127	Table #1	●
2	L/R Depth	0 - 127	0 - 127		
3	F/R Depth	0 - 127	0 - 127		
4	PAN Direction	L<->R, L>R, L<-R, Lturn, Rturn, L/R	0 - 5		
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10					
11	EQ Mid Frequency (*3)	100Hz - 10.0kHz	14 - 54	Table #3	
12	EQ Mid Gain (*3)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Width (*3)	0.1 - 12.0	1 - 120		
14					
15					
16					

ROTARY SP4

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz - 39.7Hz	0 - 127	Table #1	●
2	AM Depth	0 - 127	0 - 127		
3	PM Depth	0 - 127	0 - 127		
4					
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10					
11	EQ Mid Frequency (*3)	100Hz - 10.0kHz	14 - 54	Table #3	
12	EQ Mid Gain (*3)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Width (*3)	0.1 - 12.0	1 - 120		
14	LFO Phase Difference	-180deg - 0deg - +180deg	4 - 64 - 124	resolution =3deg.	
15	Input Mode	mono, stereo	0 - 1		
16					

ROTARY SP5

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz - 39.7Hz	0 - 127	Table #1	
2	LFO Depth	0 - 127	0 - 127	Table #14	
3	Feedback Level	-63 - 0 - +63	1 - 64 - 127		
4	Delay Offset	0.0ms - 50ms	0 - 127	Table #2	
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10	Dry/Wet	D63>W - D=W - D<W63	1 - 64 - 127		●
11	EQ Mid Frequency (*3)	100Hz - 10.0kHz	14 - 54	Table #3	
12	EQ Mid Gain (*3)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Width (*3)	0.1 - 12.0	1 - 120		
14					
15	Input Mode	mono, stereo	0 - 1		
16					

2WAY ROT SP

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.00Hz - 39.7Hz	0 - 127	Table #1	●
2	Drive Low	0 - 127	0 - 127		
3	Drive High	0 - 127	0 - 127		
4	Low/High	L63>H - L=H - L<H63	1 - 64 - 127		
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10					
11	Crossover Frequency	100Hz - 10.0kHz	14 - 54	Table #3	
12	Mic L-R Angle	0deg - 180deg	0 - 60	resolution =3deg.	
13					
14					
15					
16					

DST+ROT SP, OD+ROT SP

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	Table #1	●
2	LFO Depth	0 – 127	0 – 127	Table #14	
3					
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		
11					
12					
13					
14	Drive	0 – 127	0 – 127		
15	LPF Cutoff	1.0kHz – 18kHz, Thru	34 – 59, 60	Table #3	
16	Output Level	0 – 127	0 – 127		

DST+2ROT SP, OD+2ROT SP

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.00Hz – 39.7Hz	0 – 127	Table #1	●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High Balance	L63>H – L=H – L<H63	1 – 64 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
10					
11	Crossover Frequency	100Hz – 10.0kHz	14 – 54	Table #3	
12	Mic L-R Angle	0deg – 180deg	0 – 60		
13					
14	Drive	0 – 127	0 – 127		
15	LPF Cutoff	1.0kHz – 18kHz, Thru	34 – 59, 60	Table #3	
16	Output Level	0 – 127	0 – 127		

AMP+ROT SP

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	Table #1	●
2	LFO Depth	0 – 127	0 – 127	Table #14	
3	AMP Type	Off, Stack, Combo, Tube	0 – 3		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		
11					
12					
13					
14	Drive	0 – 127	0 – 127		
15	LPF Cutoff	1.0kHz – 18kHz, Thru	34 – 59, 60	Table #3	
16	Output Level	0 – 127	0 – 127		

AMP+2ROT SP

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.00Hz – 39.7Hz	0 – 127	Table #1	●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High Balance	L63>H – L=H – L<H63	1 – 64 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
10					
11	Crossover Frequency	100Hz – 10.0kHz	14 – 54	Table #3	
12	Mic L-R Angle	0deg – 180deg	0 – 60		
13	AMP Type	Off, Stack, Combo, Tube (AMP/SIM only)	0 – 3		
14	Drive	0 – 127	0 – 127		
15	LPF Cutoff	1.0kHz – 18kHz, Thru	34 – 59, 60	Table #3	
16	Output Level	0 – 127	0 – 127		

TREMOLO

TREMOLO1, TREMOLO3, EP TREMOLO, GT TREMOLO2

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	Table #1	●
2	AM Depth	0 – 127	0 – 127		
3	PM Depth	0 – 127	0 – 127		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
10					
11	EQ Mid Frequency (*3)	100Hz – 10.0kHz	14 – 54	Table #3	
12	EQ Mid Gain (*3)	-12dB – 0dB – +12dB	52 – 64 – 76		
13	EQ Mid Width (*3)	0.1 – 12.0	1 – 120		
14	LFO Phase Difference	-180deg – 0deg – +180deg	4 – 64 – 124	resolution =3deg.	
15	Input Mode	mono, stereo	0 – 1		
16					

TREMOLO2, GT TREMOLO1

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	Table #1	●
2	L/R Depth	0 – 127	0 – 127		
3	F/R Depth	0 – 127	0 – 127		
4	PAN Direction	L<->R, L->R, L<R, Lturn, Rturn, L/R	0 – 5		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
10					
11	EQ Mid Frequency (*3)	100Hz – 10.0kHz	14 – 54	Table #3	
12	EQ Mid Gain (*3)	-12dB – 0dB – +12dB	52 – 64 – 76		
13	EQ Mid Width (*3)	0.1 – 12.0	1 – 120		
14					
15					
16					

VIBE VIBRATE

No.	Parameter	Display	Value	See Table	Control
1	Vibrate Speed	0.00Hz – 39.7Hz	0 – 127	Table #1	
2	Vibrate Depth (AM)	0 – 127	0 – 127		
3	Vibrate Depth (PM)	0 – 127	0 – 127		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 64 – 127		
11	EQ Mid Frequency (*3)	100Hz – 10.0kHz	14 – 54	Table #3	
12	EQ Mid Gain (*3)	-12dB – 0dB – +12dB	52 – 64 – 76		
13	EQ Mid Width (*3)	0.1 – 12.0	1 – 120		
14	LFO Phase Difference	-180deg – 0deg – +180deg	4 – 64 – 124	resolution =3deg.	
15	Input Mode	mono, stereo	0 – 1		
16	Vibrate SW	Off, On	0 – 1		

T_TREMOLO

No.	Parameter	Display	Value	See Table	Control
1	LFO Freq	16th – 4thx16	5 – 29	Table #13	●
2	AM Depth	0 – 127	0 – 127		
3	PM Depth	0 – 127	0 – 127		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
10					
11	EQ Mid Frequency (*3)	100Hz – 10.0kHz	14 – 54	Table #3	
12	EQ Mid Gain (*3)	-12dB – 0dB – +12dB	52 – 64 – 76		
13	EQ Mid Width (*3)	0.1 – 12.0	1 – 120		
14	LFO Phase Difference	-180deg – 0deg – +180deg	4 – 64 – 124	resolution =3deg.	
15	Input Mode	mono, stereo	0 – 1		
16					

SPATIAL

AUTO PAN1, AUTO PAN2, EP AUTO PAN

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz - 39.7Hz	0 - 127	Table #1	●
2	L/R Depth	0 - 127	0 - 127		
3	F/R Depth	0 - 127	0 - 127		
4	PAN Direction	L<->R, L->R, L<-R, Lturn, Rturn, L/R	0 - 5		
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10					
11	EQ Mid Frequency (*3)	100Hz - 10.0kHz	14 - 54	Table #3	
12	EQ Mid Gain (*3)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Width (*3)	0.1 - 12.0	1 - 120		
14					
15					
16					

AUTO PAN3

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz - 39.7Hz	0 - 127	Table #1	●
2	L/R Depth	0 - 127	0 - 127		
3	F/R Depth	0 - 127	0 - 127		
4	PAN Direction	L<->R, L->R, L<-R, Lturn, Rturn, L/R	0 - 5		
5	LFO Wave	0 - 28	0 - 28		
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10					
11	EQ Mid Frequency (*3)	100Hz - 10.0kHz	14 - 54	Table #3	
12	EQ Mid Gain (*3)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Width (*3)	0.1 - 12.0	1 - 120		
14					
15	Input Mode	mono, stereo	0 - 1		
16					

T_AUTO PAN1

No.	Parameter	Display	Value	See Table	Control
1	LFO Freq	16th - 4thx16	5 - 29	Table #13	●
2	L/R Depth	0 - 127	0 - 127		
3	F/R Depth	0 - 127	0 - 127		
4	PAN Direction	L<->R, L->R, L<-R, Lturn, Rturn, L/R	0 - 5		
5					
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10					
11	EQ Mid Frequency (*3)	100Hz - 10.0kHz	14 - 54	Table #3	
12	EQ Mid Gain (*3)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Width (*3)	0.1 - 12.0	1 - 120		
14					
15					
16					

T_AUTO PAN2

No.	Parameter	Display	Value	See Table	Control
1	LFO Freq	16th - 4thx16	5 - 29	Table #13	●
2	L/R Depth	0 - 127	0 - 127		
3	F/R Depth	0 - 127	0 - 127		
4	PAN Direction	L<->R, L->R, L<-R, Lturn, Rturn, L/R	0 - 5		
5	LFO Wave	0 - 28	0 - 28		
6	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
7	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
8	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
9	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
10					
11	EQ Mid Frequency (*3)	100Hz - 10.0kHz	14 - 54	Table #3	
12	EQ Mid Gain (*3)	-12dB - 0dB - +12dB	52 - 64 - 76		
13	EQ Mid Width (*3)	0.1 - 12.0	1 - 120		
14					
15	Input Mode	mono, stereo	0 - 1		
16					

EQ/ENHANCER

EQ DISCO, EQ TEL, 3BAND EQ, ST 3BAND EQ

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
2	EQ Mid Frequency	100Hz - 16.0kHz	14 - 58	Table #3	
3	EQ Mid Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
4	EQ Mid Width	0.1 - 12.0	1 - 120		
5	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
6	EQ Low Frequency	50Hz - 2.0kHz	8 - 40	Table #3	
7	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
8					
9					
10					
11					
12					
13					
14					
15	Input Mode	mono, stereo	0 - 1		
16					

2BAND EQ

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Frequency	32Hz - 2.0kHz	4 - 40	Table #3	
2	EQ Low Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
3	EQ High Frequency	500Hz - 16.0kHz	28 - 58	Table #3	
4	EQ High Gain	-12dB - 0dB - +12dB	52 - 64 - 76		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

HM ENHANCE1, HM ENHANCE2

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

MISC

VCE CANCEL

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

AMBIENCE

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.0ms – 50ms	0 – 127	Table #2	
2	Output Phase	normal, inverse	0 – 1		
3					
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	Table #3	
7	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
9	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 64 – 127		●
11					
12					
13					
14					
15					
16					

TALKING MOD

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

LO-FI DRUM3, LO-FI DRUM4

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
2	EQ Mid Frequency	100Hz – 16.0kHz	14 – 58	Table #3	
3	EQ Mid Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
4	EQ Mid Width	0.1 – 12.0	1 – 120		
5	EQ High Gain	-12dB – 0dB – +12dB	52 – 64 – 76	Table #3	
6	EQ Low Frequency	50Hz – 2.0kHz	8 – 40	Table #3	
7	EQ High Frequency	500Hz – 16.0kHz	28 – 58	Table #3	
8					
9					
10					
11					
12					
13					
14					
15	Input Mode	mono, stereo	0 – 1		
16					

ISOLATOR

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

DAMPER RESO1, 2

No.	Parameter	Display	Value	See Table	Control
1	HPF Cutoff	Thru, 22Hz – 8.0kHz	0, 1 – 52	Table #3	
2	LPF Cutoff	1.0kHz – 18kHz, Thru	34 – 59, 60	Table #3	
3	LSF Frequency	32kHz – 2.0kHz	4 – 40	Table #3	
4	LSF Gain	-12dB – 0dB – +12dB	52 – 64 – 76		
5	High Damp	1 – 10	1 – 10		
6	Pedal Response	slow, normal, fast	0 – 2		
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 64 – 127		
11					
12	Soundboard Effect Depth	0 – 127	0 – 127		
13	Damper Mode	sharp, soft	0 – 1		
14	Damper Curve	0 – 4	0 – 4		
15	Damper Adjust	0 – 63	0 – 63		
16	Damper Pedal	0 – 127	0 – 127		●

NO EFFECT

NO EFFECT

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

THRU

THRU

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

エフェクトデータアサインテーブル

Table #1
LFO Frequency

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

Table #2
Modulation Delay Offset

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

Table #3
EQ Frequency

Data	Value	Data	Value
0	THRU (20)	31	700
1	22	32	800
2	25	33	900
3	28	34	1.0k
4	32	35	1.1k
5	36	36	1.2k
6	40	37	1.4k
7	45	38	1.6k
8	50	39	1.8k
9	56	40	2.0k
10	63	41	2.2k
11	70	42	2.5k
12	80	43	2.8k
13	90	44	3.2k
14	100	45	3.6k
15	110	46	4.0k
16	125	47	4.5k
17	140	48	5.0k
18	160	49	5.6k
19	180	50	6.3k
20	200	51	7.0k
21	225	52	8.0k
22	250	53	9.0k
23	280	54	10.0k
24	315	55	11.0k
25	355	56	12.0k
26	400	57	14.0k
27	450	58	16.0k
28	500	59	18.0k
29	560	60	THRU (20.0k)
30	630		

Table #5
Delay Time (0.1 – 200.0 [ms])

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

Table #4
Reverb Time

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

Table #6
Room Size

Data	Value	Data	Value
0	0.1	64	10.1
1	0.3	65	10.3
2	0.4	66	10.4
3	0.6	67	10.6
4	0.7	68	10.8
5	0.9	69	10.9
6	1.0	70	11.1
7	1.2	71	11.2
8	1.4	72	11.4
9	1.5	73	11.5
10	1.7	74	11.7
11	1.8	75	11.9
12	2.0	76	12.0
13	2.1	77	12.2
14	2.3	78	12.3
15	2.5	79	12.5
16	2.6	80	12.6
17	2.8	81	12.8
18	2.9	82	12.9
19	3.1	83	13.1
20	3.2	84	13.3
21	3.4	85	13.4
22	3.5	86	13.6
23	3.7	87	13.7
24	3.9	88	13.9
25	4.0	89	14.0
26	4.2	90	14.2
27	4.3	91	14.4
28	4.5	92	14.5
29	4.6	93	14.7
30	4.8	94	14.8
31	5.0	95	15.0
32	5.1	96	15.1
33	5.3	97	15.3
34	5.4	98	15.5
35	5.6	99	15.6
36	5.7	100	15.8
37	5.9	101	15.9
38	6.1	102	16.1
39	6.2	103	16.2
40	6.4	104	16.4
41	6.5	105	16.6
42	6.7	106	16.7
43	6.8	107	16.9
44	7.0	108	17.0
45	7.2	109	17.2
46	7.3	110	17.3
47	7.5	111	17.5
48	7.6	112	17.6
49	7.8	113	17.8
50	7.9	114	18.0
51	8.1	115	18.1
52	8.2	116	18.3
53	8.4	117	18.4
54	8.6	118	18.6
55	8.7	119	18.7
56	8.9	120	18.9
57	9.0	121	19.1
58	9.2	122	19.2
59	9.3	123	19.4
60	9.5	124	19.5
61	9.7	125	19.7
62	9.8	126	19.8
63	10.0	127	20.0

Table #7
Delay Time (0.1 – 400.0 [ms])

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

Table #8
Compressor Attack Time

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

Table #9
Compressor Release Time

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

Table #10
Compressor Ratio

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

Table #11
Reverb Width; Depth; Height

Data	Value	Data	Value
0	0.5	53	14.5
1	0.8	54	14.8
2	1.0	55	15.1
3	1.3	56	15.4
4	1.5	57	15.6
5	1.8	58	15.9
6	2.0	59	16.2
7	2.3	60	16.5
8	2.6	61	16.8
9	2.8	62	17.1
10	3.1	63	17.3
11	3.3	64	17.6
12	3.6	65	17.9
13	3.9	66	18.2
14	4.1	67	18.5
15	4.4	68	18.8
16	4.6	69	19.1
17	4.9	70	19.4
18	5.2	71	19.7
19	5.4	72	20.0
20	5.7	73	20.2
21	5.9	74	20.5
22	6.2	75	20.8
23	6.5	76	21.1
24	6.7	77	21.4
25	7.0	78	21.7
26	7.2	79	22.0
27	7.5	80	22.4
28	7.8	81	22.7
29	8.0	82	23.0
30	8.3	83	23.3
31	8.6	84	23.6
32	8.8	85	23.9
33	9.1	86	24.2
34	9.4	87	24.5
35	9.6	88	24.9
36	9.9	89	25.2
37	10.2	90	25.5
38	10.4	91	25.8
39	10.7	92	26.1
40	11.0	93	26.5
41	11.2	94	26.8
42	11.5	95	27.1
43	11.8	96	27.5
44	12.1	97	27.8
45	12.3	98	28.1
46	12.6	99	28.5
47	12.9	100	28.8
48	13.1	101	29.2
49	13.4	102	29.5
50	13.7	103	29.9
51	14.0	104	30.2
52	14.2		

Table #12
Wah Release Time

Data	Value	Data	Value
52	10	60	85
53	15	61	100
54	25	62	115
55	35	63	140
56	45	64	170
57	55	65	230
58	65	66	340
59	75	67	680

Table #13
Tempo

Data	Value	Data	Value
0	64th/3	39	4thX26
1	64th.	40	4thX27
2	32th	41	4thX28
3	32th/3	42	4thX29
4	32th.	43	4thX30
5	16th	44	4thX31
6	16th/3	45	4thX32
7	16th.	46	4thX33
8	8th	47	4thX34
9	8th/3	48	4thX35
10	8th.	49	4thX36
11	4th	50	4thX37
12	4th/3	51	4thX38
13	4th.	52	4thX39
14	2nd	53	4thX40
15	2nd/3	54	4thX41
16	2nd.	55	4thX42
17	4thX4	56	4thX43
18	4thX5	57	4thX44
19	4thX6	58	4thX45
20	4thX7	59	4thX46
21	4thX8	60	4thX47
22	4thX9	61	4thX48
23	4thX10	62	4thX49
24	4thX11	63	4thX50
25	4thX12	64	4thX51
26	4thX13	65	4thX52
27	4thX14	66	4thX53
28	4thX15	67	4thX54
29	4thX16	68	4thX55
30	4thX17	69	4thX56
31	4thX18	70	4thX57
32	4thX19	71	4thX58
33	4thX20	72	4thX59
34	4thX21	73	4thX60
35	4thX22	74	4thX61
36	4thX23	75	4thX62
37	4thX24	76	4thX63
38	4thX25	77	4thX64

Table #14
LFO Depth

Data	Value (%)	Data	Value (%)
0	0.00	64	50.39
1	0.78	65	51.17
2	1.56	66	51.95
3	2.34	67	52.73
4	3.13	68	53.52
5	3.91	69	54.30
6	4.69	70	55.08
7	5.47	71	55.86
8	6.25	72	56.64
9	7.03	73	57.42
10	7.81	74	58.20
11	8.59	75	58.98
12	9.38	76	59.77
13	10.16	77	60.55
14	10.94	78	61.33
15	11.72	79	62.11
16	12.50	80	62.89
17	13.28	81	63.67
18	14.06	82	64.45
19	14.84	83	65.23
20	15.63	84	66.02
21	16.41	85	66.80
22	17.19	86	67.58
23	17.97	87	68.36
24	18.75	88	69.14
25	19.53	89	69.92
26	20.31	90	70.70
27	21.09	91	71.48
28	21.88	92	72.27
29	22.66	93	73.05
30	23.44	94	73.83
31	24.22	95	74.61
32	25.00	96	75.39
33	25.78	97	76.17
34	26.56	98	76.95
35	27.34	99	77.73
36	28.12	100	78.51
37	28.90	101	79.29
38	29.68	102	80.07
39	30.46	103	80.85
40	31.24	104	81.63
41	32.02	105	82.41
42	32.80	106	83.19
43	33.58	107	83.97
44	34.36	108	84.75
45	35.14	109	85.53
46	35.92	110	86.31
47	36.70	111	87.09
48	37.48	112	87.87
49	38.26	113	88.65
50	39.04	114	89.43
51	39.82	115	90.21
52	40.60	116	90.99
53	41.38	117	91.77
54	42.16	118	92.55
55	42.94	119	93.33
56	43.72	120	94.11
57	44.50	121	94.89
58	45.28	122	95.67
59	46.06	123	96.45
60	46.84	124	97.23
61	47.62	125	98.01
62	48.40	126	98.79
63	49.18	127	99.57

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

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/11000000 ~ 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/11110111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/Obbbbbbbはバイトカウントを示します。
- ccH/Occcccccはチェックサムを示します。
- ddH/Odddddldはデータ/値を示します。

パネル音色一覧

音色グループ	音色名	Bank MSB	Bank LSB	Program Change (0-127)
GRAND PIANO1	Grand Piano	108	0	0
	Ballad Grand	108	1	0
	Rock Piano	108	0	2
	HonkyTonk Piano	108	0	3
GRAND PIANO2	Mellow Grand	108	2	0
	Warm Grand	108	3	0
GRAND PIANO3	Bright Grand	108	0	1
	Pop Grand	108	1	1
GRAND PIANO4	Live Grand	108	2	1
	Dynamic Grand	108	3	1
E.PIANO1	DX E.Piano	108	0	5
	Synth Piano	108	0	88
E.PIANO2	Stage E.Piano	108	0	4
	Vintage E.Piano	108	1	4
HARPSICHORD	Harpsichord 8'	108	0	6
	Harpsichord 8'+4'	108	1	6
VIBRAPHONE	Vibraphone	108	0	11
	Marimba	108	0	12
	Celesta	108	0	8
PIPE ORGAN	Pipe Organ Principal	108	1	19
	Pipe Organ Tutti	108	0	19
	Pipe Organ Flute 1	108	2	19
	Pipe Organ Flute 2	108	3	19

音色グループ	音色名	Bank MSB	Bank LSB	Program Change (0-127)
JAZZ ORGAN	Jazz Organ	108	0	16
	Rotary Organ	108	1	16
	Mellow Organ	108	2	16
STRINGS	Strings	108	0	48
	Synth Strings	108	0	50
	Slow Strings	108	0	49
CHOIR	Choir	108	0	52
	Slow Choir	108	1	52
	Scat	108	0	53
SYNTH.PAD	Synth Pad 1	108	0	89
	Synth Pad 2	108	1	88
GUITAR	Nylon Guitar	108	0	24
	Steel Guitar	108	0	25
BASS	Wood Bass	108	0	32
	Bass & Cymbal	108	1	32
	Electric Bass	108	0	33
	Fretless Bass	108	0	35

MIDI CHANNEL MESSAGE (1)

MIDI Events	[MIDI (CLP)]														[本体シーケンサー]		
	Status byte		1st Data byte			2nd Data byte			MIDI受信(各PARTの受信有無)			MIDI送信(データ発生元)			PLAY		REC
	Status	Data (Hex)	Parameter	Data (Hex)	Parameter	Song	Main Layer Left-layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音			
Key Off [GM1] [GM2]	8nH (n: Channel Number)	kk	Key no. (0-127)	vv	Velocity (0-127)	○	○	○	○ (鍵盤)	○	×	○	×	×			
Key On [GM1] [GM2]	9nH (n: Channel Number)	kk	Key no. (0-127)	vv	Key On: vv=1-127 Key Off: vv=0	○	○	○	○ (鍵盤)	○	×	○	×	○			
Control Change	BnH	0 (00H)	Bank Select MSB [GM2]	0 (00H) 64 (40H) 118 (76H) 119 (77H) 120 (78H) 121 (79H) 126 (7EH) 127 (7FH)	Normal SFX voice GS Rhythm GS Normal GM2 Rhythm GM2 Normal SFX kit Drum kit	○	○	×	○ (Voice)	○	×	○	○	○			
		1 (01H)	Modulation [GM1] [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	×	○	×	○	○	×		
		5 (05H)	Portamento Time [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	×	○	×	○	○	×		
		6 (06H)	Data Entry MSB [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	○ (Voice Setting)	○	×	○	○	○		
		7 (07H)	Main Volume [GM1] [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	○ (Voice Setting)	○	×	○	○	○		
		10 (0AH)	Panpot [GM1] [GM2]	0-127 (00H...7FH)	L64...C...R63	○	○	○	○ (全手弾きパート)	○ (Voice Setting)	○	×	○	○	○		
		11 (0BH)	Expression [GM1] [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	○ (Pedal)	○	×	○	○	○		
		32 (20H)	Bank Select LSB [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	○ (Voice)	○	×	○	○	○		
		38 (26H)	Data Entry LSB [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	○ (Voice Setting)	○	×	○	○	○		
		64 (40H)	Sustain (Damper) [GM1] [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	○ (Pedal)	○	×	○	○	○		
		65 (41H)	Portamento [GM2]	0-127 (00H...7FH)	0...63, 64...127 (OFF, ON)	○	○	○	○ (全手弾きパート)	×	○	×	○	○	×		
		66 (42H)	Sostenuto [GM2]	0-127 (00H...7FH)	0...63, 64...127 (OFF, ON)	○	○	○	○ (全手弾きパート)	○ (Pedal)	○	×	○	○	○		
		67 (43H)	Soft Pedal [GM2]	0-127 (00H...7FH)	0...63, 64...127 (OFF, ON)	○	○	○	○ (全手弾きパート)	○ (Pedal)	○	×	○	○	○		
		71 (47H)	Harmonic Content [GM2]	0-127 (00H...7FH)	-64...0...+63	○	○	○	○ (全手弾きパート)	○ (Voice Setting)	○	×	○	○	○		
		72 (48H)	Release Time [GM2]	0-127 (00H...7FH)	-64...0...+63	○	○	○	○ (全手弾きパート)	×	○	×	○	○	×		
		73 (49H)	Attack Time [GM2]	0-127 (00H...7FH)	-64...0...+63	○	○	○	○ (全手弾きパート)	×	○	×	○	○	×		
		74 (4AH)	Brightness [GM2]	0-127 (00H...7FH)	-64...0...+63	○	○	○	○ (全手弾きパート)	○ (Voice Setting)	○	×	○	○	○		
		75 (4BH)	Decay Time [GM2]	0-127 (00H...7FH)	-64...0...+63	○	○	○	○ (全手弾きパート)	×	○	×	○	○	×		
		76 (4CH)	Vibrate Rate [GM2]	0-127 (00H...7FH)	-64...0...+63	○	○	○	○ (全手弾きパート)	×	○	×	○	○	×		
		77 (4DH)	Vibrate Depth [GM2]	0-127 (00H...7FH)	-64...0...+63	○	○	○	○ (全手弾きパート)	×	○	×	○	○	×		
		78 (4EH)	Vibrate Delay [GM2]	0-127 (00H...7FH)	-64...0...+63	○	○	○	○ (全手弾きパート)	×	○	×	○	○	×		
		84 (54H)	Portamento Control	0-127 (00H...7FH)	Key no. (0-127)	○	○	○	○	×	×	○	×	○	×	×	
		91 (5BH)	Effect1 Depth (Reverb Send Level) [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	○ (Voice Setting)	○	×	○	○	○		
		93 (5DH)	Effect3 Depth (Chorus Send Level) [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	○ (Voice Setting)	○	×	○	○	○		
		94 (5EH)	Effect4 Depth (Variation Send Level)	0-127 (00H...7FH)	Data	○	○	○	○	×	○	×	○	○	×		
		96 (60H)	RPN Increment	-	-	データバイトは無視する	○	○	×	×	○	×	○	×	×		
		97 (61H)	RPN Decrement	-	-	データバイトは無視する	○	○	×	×	○	×	○	×	×		
		98 (62H)	NRPN LSB	0-127 (00H...7FH)	Data	○	×	×	×	×	○	×	○	○	×		
		99 (63H)	NRPN MSB	0-127 (00H...7FH)	Data	○	×	×	×	×	○	×	○	○	×		
		100 (64H)	RPN LSB [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	○ (Voice Setting)	○	×	○	○	○		
		101 (65H)	RPN MSB [GM2]	0-127 (00H...7FH)	Data	○	○	○	○ (全手弾きパート)	○ (Voice Setting)	○	×	○	○	○		
		Mode Message	BnH (n: Channel Number)	120 (78H)	All Sound Off [GM2]	0 (00H)	Data	○	○	○	○ (全手弾きパート)	×	○	×	○	×	
121 (79H)	Reset All Controllers [GM1] [GM2]			0 (00H)	Data	○	×	×	×	○	×	○	×	×			
122 (7AH)	Local Control			0 (00H) 127 (7FH)	OFF ON			○		×	×	×	×	×			
123 (7BH)	All Note Off [GM1] [GM2]			0 (00H)	Data	○	○	○	○ (全手弾きパート)	×	○	×	○	×			
124 (7CH)	Omni Off [GM2]			0 (00H)	Data	○	×	×	×	×	○	×	○	×			
125 (7DH)	Omni On [GM2]			0 (00H)	Data	○	×	×	×	×	○	×	○	×			
126 (7EH)	Mono [GM2]			0-16 (00H...10H)	Data	○	×	×	×	×	○	×	○	×			
127 (7FH)	Poly [GM2]			0 (00H)	Data	○	×	×	×	×	○	×	○	×			
Program Change [GM1] [GM2]	CnH (n: Channel Number)	pp (00H...7FH)	音色番号 (0-127)	-	-	○	○	×	○ (Voice)	○	×	○	○				
Channel After Touch [GM1] [GM2]	DnH (n: Channel Number)	vv (00H...7FH)	Data	-	-	○	○	○	○ (全手弾きパート)	×	○	×	×				
Polyphonic After Touch	AnH (n: Channel Number)	kk (00H...7FH)	Key no. (0-127)	vv (00H...7FH)	Data	○	×	×	×	○	×	○	×				
Pitch Bend Change [GM1] [GM2]	EnH (n: Channel Number)	cc (00H...7FH)	LSB	dd (00H...7FH)	MSB	○	○	○	○ (全手弾きパート)	○ (Pedal)	○	×	○				

MIDI Events	[MIDI (CLP)]						[本体シーケンサー]								
	Status byte		1st Data byte		2nd Data byte		MIDI受信(各PARTの受信有無)			MIDI送信(データ発生元)			PLAY		REC
	Status	Data (Hex)	Parameter	Data (Hex)	Parameter	Song	Main Layer Left-layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音	
Realtime Message	F8H	MIDI Clock	-	-	-	-	-	x	-	-	-	-	-	x	
	FAH	Start	-	-	-	-	-	-	o	-	-	-	-	x	
	FBH	Continue	-	-	-	-	-	x	-	-	-	-	-	x	
	FCH	Stop	-	-	-	-	-	o	-	-	-	-	-	x	
	FEH	Active Sens [GM2]	-	-	-	-	-	o	-	-	-	-	-	x	
	FFH	System Reset	-	-	-	-	-	x	-	x	-	-	-	x	

*1 BankSelectMSB/LSB/ProgramChangelは、Keyboardモードで受信されると無視されます。

MIDI CHANNEL MESSAGE (2)

NRPN (ノンレジスタード パラメーター ナンバー)対応パラメーター

NRPN		Data Entry		Parameter	Data Range	[MIDI (CLP)]			[本体シーケンサー]					
MSB	LSB	MSB	LSB			Song	Main Layer Left-layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音
01H	08H	mmH	-	Vibrato Rate	mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	o	x
01H	09H	mmH	-	Vibrato Depth	mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	o	x
01H	0AH	mmH	-	Vibrato Delay	mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	o	x
01H	20H	mmH	-	Low Pass Filter Cutoff Frequency	mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	o	x
01H	21H	mmH	-	Low Pass Filter Resonance	mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	o	x
01H	30H	mmH	-	EQ BASS	mm: 00H-40H-7FH (-64...0...+63)	x	x	x	x	o	x	o	o	x
01H	31H	mmH	-	EQ TREBLE	mm: 00H-40H-7FH (-64...0...+63)	x	x	x	x	o	x	o	o	x
01H	34H	mmH	-	EQ BASS Frequency	mm: 04H-28H (32...2.0k[Hz])	x	x	x	x	o	x	o	o	x
01H	35H	mmH	-	EQ TREBLE Frequency	mm: 1CH-3AH (500...16.0k[Hz])	x	x	x	x	o	x	o	o	x
01H	63H	mmH	-	EG Attack Time	mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	o	x
01H	64H	mmH	-	EG Decay Time	mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	o	x
01H	66H	mmH	-	EG Release	mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	o	x
14H	rrH	mmH	-	Drum Low Pass Filter Cutoff Frequency	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	x	x
15H	rrH	mmH	-	Drum Low Pass Filter Resonance	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	x	x
16H	rrH	mmH	-	Drum EG Attack Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	x	x
17H	rrH	mmH	-	Drum EG Decay Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	x	x
18H	rrH	mmH	-	Drum Pitch Coarse	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	x	x
19H	rrH	mmH	-	Drum Pitch Fine	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	o	x	x	x	o	x	o	x	x
1AH	rrH	mmH	-	Drum Level	rr: drum instrument note number mm: 00H-7FH (0...127)	o	x	x	x	o	x	o	x	x
1CH	rrH	mmH	-	Drum Pan	rr: drum instrument note number mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	o	x	x	x	o	x	o	x	x
1DH	rrH	mmH	-	Drum Reverb Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)	o	x	x	x	o	x	o	x	x
1EH	rrH	mmH	-	Drum Chorus Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)	o	x	x	x	o	x	o	x	x
1FH	rrH	mmH	-	Drum Variation Send Level	rr: drum instrument note number mm: 00H-7FH (0...127) (Variation Connection = SYSTEMのとき) mm: 00H, 01H-7FH (OFF, ON) (Variation Connection = INSERTIONのとき)	o	x	x	x	o	x	o	x	x
24H	rrH	mmH	-	Drum HPF Cutoff Frequency	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	x	x	x	x	x	x	x	x	x
30H	rrH	mmH	-	Drum EQ Bass Gain	rr: drum instrument note number mm: 00H-7FH (0...127)	x	x	x	x	x	x	x	x	x
31H	rrH	mmH	-	Drum EQ Treble Gain	rr: drum instrument note number mm: 00H-7FH (0...127)	x	x	x	x	x	x	x	x	x
34H	rrH	mmH	-	Drum EQ Bass Frequency	rr: drum instrument note number mm: 04H-28H (32...2.0k[Hz])	x	x	x	x	x	x	x	x	x
35H	rrH	mmH	-	Drum EQ Treble Frequency	rr: drum instrument note number mm: 1CH-3AH (500...16.0k[Hz])	x	x	x	x	x	x	x	x	x
40H	rrH	mmH	-	Drum VELOCITY PITCH SENS.	rr: drum instrument note number mm: 00H-0FH (0...15)	x	x	x	x	x	x	x	x	x
41H	rrH	mmH	-	Drum VELOCITY LPF CUTOFF SENS.	rr: drum instrument note number mm: 00H-0FH (0...15)	x	x	x	x	x	x	x	x	x

NRPN MSB: 14H-1FH (ドラム用)はそのパートが、ドラムモードのとき受信します。
Data Entry LSB値は無視します。

RPN (レジスタード パラメーター ナンバー)対応パラメーター

NRPN		Data Entry		Parameter	Data Range	[MIDI (CLP)]			[本体シーケンサー]					
MSB	LSB	MSB	LSB			Song	Main Layer Left-layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音
00H	00H	mmH	-	Pitch Bend Sensitivity [GM1] [GM2]	mm: 00H-18H (0...+24 [semitones])	o	o	o (全手弾きパート)	o (Function)	o	x	o	o	o
00H	01H	mmH	llH	Fine Tune [GM1] [GM2]	mm ll: 00H 00H -100 [cent] ... mm ll: 40H 00H 0 [cent] ... mm ll: 7FH 7FH 100 [cent]	o	o	o (全手弾きパート)	o (Voice Setting)	o	x	o	o	o
00H	02H	mmH	-	Coarse Tune [GM1] [GM2]	mm: 28H-40H-58H (-24...0...+24 [semitones])	o	o	o (全手弾きパート)	x	o	x	o	o	x
00H	05H	mmH	llH	Modulation Sensitivity [GM2]	ll: 半音単位で設定 mm: 100/128セント単位で設定	o	o	o (全手弾きパート)	x	o	x	o	x	x
7FH	7FH	-	-	Null [GM2]	-	o	o	o (全手弾きパート)	x	o	x	o	x	x

MIDI PARAMETER CHANGE TABLE

*Receive System Exclusive Messageの設定がOFFのときには受信しません。
 *Transmit System Exclusive Messageの設定がOFFのときには送信しません。

MIDI Parameter Change Table (XG SYSTEM)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	[MIDI (CLP)]			[本体シーケンサー]							
						MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)		PLAY		REC			
						Song	Main Layer Left Layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音		
00	00	00 01 02 03	4	00-0F 00-0F 00-0F 00-0F	MASTER TUNE	-102.4...0...+102.3 [cent] 1st bit3-0→bit15-12 2nd bit3-0→bit11-8 3rd bit3-0→bit7-4 4th bit3-0→bit3-0	*Panel 設定値		○		×	○	×	○	×	×
		04	1	00-7F	MASTER VOLUME	0...127	7F	○	×	×	×	○	×	○	○	×
		05	1	00-7F	MASTER ATTENUATOR	0...127	00	×	×	×	×	×	×	×	×	×
		06	1	28-58	TRANSPOSE	-24...0...+24 [semitones]	40	○	×	×	×	○	×	○	○	×
		7D	1	N	DRUM SETUP RESET	N: Drum setup number	-	○	×	×	×	○	×	○	×	×
		7E	1	00	XG SYSTEM ON	00=XG system ON	-	○	×	×	×	○	×	○	×	×
		7F	1	00	ALL PARAMETER RESET	00=ON	-	○	×	×	×	○	×	○	×	×

TOTAL SIZE 07

MIDI Parameter Change Table (SYSTEM INFORMATION)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	[MIDI (CLP)]			[本体シーケンサー]							
						MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)		PLAY		REC			
						Song	Main Layer Left Layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音		
01	00	00 ... 0D	E	20-7F ... 20-7F	Model Name 1 ... Model Name 14	32...127 (ASCII CHARACTER) ... 32...127 (ASCII CHARACTER)	-	-	-	×	×	○	×	×	×	×
		0E	1		NOT USED											
		0F	1		NOT USED											

TOTAL SIZE 10

Dump Requestにより送信されます。受信は行いません。

MIDI Parameter Change Table (EFFECT1)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	[MIDI (CLP)]			[本体シーケンサー]							
						MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)		PLAY		REC			
						Song	Main Layer Left Layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音		
02	01	00	2	00-7F	REVERB TYPE MSB REVERB TYPE LSB	エフェクトパラメーター一覧参照	01 (=HALL1) 00		○		○	×	○	○	×	
		02	1	00-7F	REVERB PARAMETER 1	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
		03	1	00-7F	REVERB PARAMETER 2	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
		04	1	00-7F	REVERB PARAMETER 3	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
		05	1	00-7F	REVERB PARAMETER 4	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
		06	1	00-7F	REVERB PARAMETER 5	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
		07	1	00-7F	REVERB PARAMETER 6	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
		08	1	00-7F	REVERB PARAMETER 7	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
		09	1	00-7F	REVERB PARAMETER 8	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
		0A	1	00-7F	REVERB PARAMETER 9	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
		0B	1	00-7F	REVERB PARAMETER 10	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
		0C	1	00-7F	REVERB RETURN	-∞dB...0dB...+6dB (0...64...127)	40		○		×	○	×	○	○	×
		0D	1	01-7F	REVERB PAN	L63...C...R63	40		○		×	○	×	○	○	×

TOTAL SIZE 0E

		02	01	10	1	00-7F	REVERB PARAMETER 11	エフェクトパラメーター一覧参照	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
				11	1	00-7F	REVERB PARAMETER 12	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
				12	1	00-7F	REVERB PARAMETER 13	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
				13	1	00-7F	REVERB PARAMETER 14	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
				14	1	00-7F	REVERB PARAMETER 15	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×
				15	1	00-7F	REVERB PARAMETER 16	〃	Reverb Type に依存		○ (Reverb Typeに依存)		×	○	×	○	○	×

TOTAL SIZE 06

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	[MIDI (CLP)]			[本体シーケンサー]						
						MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)		PLAY		REC		
						Song	Main Layer Left Layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音	
02	01	20	2	00-7F	CHORUS TYPE MSB CHORUS TYPE LSB	エフェクトパラメーター一覧参照	01 (=CHORUS1) 00		○		○	×	○	○	○
		22	1	00-7F	CHORUS PARAMETER 1	"	Chorus Typeに依存	○ (Chorus Typeに依存)	○	×	○	○	○	×	
		23	1	00-7F	CHORUS PARAMETER 2	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		24	1	00-7F	CHORUS PARAMETER 3	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		25	1	00-7F	CHORUS PARAMETER 4	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		26	1	00-7F	CHORUS PARAMETER 5	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		27	1	00-7F	CHORUS PARAMETER 6	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		28	1	00-7F	CHORUS PARAMETER 7	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		29	1	00-7F	CHORUS PARAMETER 8	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		2A	1	00-7F	CHORUS PARAMETER 9	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		2B	1	00-7F	CHORUS PARAMETER 10	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		2C	1	00-7F	CHORUS RETURN	-->dB...0dB...+6dB (0...64...127)	40	○	×	○	×	○	○	○	×
		2D	1	01-7F	CHORUS PAN	L63...C...R63	40	○	×	○	×	○	○	○	×
		2E	1	00-7F	SEND CHORUS TO REVERB	-->dB...0dB...+6dB (0...64...127)	00	○	×	○	×	○	○	○	×
TOTAL SIZE		0F													

		30	1	00-7F	CHORUS PARAMETER 11	エフェクトパラメーター一覧参照	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		31	1	00-7F	CHORUS PARAMETER 12	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		32	1	00-7F	CHORUS PARAMETER 13	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		33	1	00-7F	CHORUS PARAMETER 14	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		34	1	00-7F	CHORUS PARAMETER 15	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
		35	1	00-7F	CHORUS PARAMETER 16	"	Chorus Typeに依存	○ (Chorus Typeに依存)	×	○	×	○	○	○	×
TOTAL SIZE		06													

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	[MIDI (CLP)]			[本体シーケンサー]							
						MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)		PLAY		REC			
						Song	Main Layer Left Layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音		
02	01	40	2	00-7F	VARIATION TYPE MSB VARIATION TYPE LSB	エフェクトパラメーター一覧参照	05 (=DELAY L, C, R) 00		○		×	○	×	○	○	×
		42	2	00-7F	VARIATION PARAMETER 1 MSB VARIATION PARAMETER 1 LSB	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×	
		44	2	00-7F	VARIATION PARAMETER 2 MSB VARIATION PARAMETER 2 LSB	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×	
		46	2	00-7F	VARIATION PARAMETER 3 MSB VARIATION PARAMETER 3 LSB	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×	
		48	2	00-7F	VARIATION PARAMETER 4 MSB VARIATION PARAMETER 4 LSB	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×	
		4A	2	00-7F	VARIATION PARAMETER 5 MSB VARIATION PARAMETER 5 LSB	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×	
		4C	2	00-7F	VARIATION PARAMETER 6 MSB VARIATION PARAMETER 6 LSB	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×	
		4E	2	00-7F	VARIATION PARAMETER 7 MSB VARIATION PARAMETER 7 LSB	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×	
		50	2	00-7F	VARIATION PARAMETER 8 MSB VARIATION PARAMETER 8 LSB	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×	
		52	2	00-7F	VARIATION PARAMETER 9 MSB VARIATION PARAMETER 9 LSB	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×	
		54	2	00-7F	VARIATION PARAMETER 10 MSB VARIATION PARAMETER 10 LSB	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×	
		56	1	00-7F	VARIATION RETURN	-->dB...0dB...+6dB (0...64...127)	40	○	×	○	×	○	○	○	×	
		57	1	01-7F	VARIATION PAN	L63...C...R63	40	○	×	○	×	○	○	○	×	
		58	1	00-7F	SEND VARIATION TO REVERB	-->dB...0dB...+6dB (0...64...127)	00	○	×	○	×	○	○	○	×	
		59	1	00-7F	SEND VARIATION TO CHORUS	-->dB...0dB...+6dB (0...64...127)	00	○	×	○	×	○	○	○	×	
		5A	1	00-01	VARIATION CONNECTION	INSERTION, SYSTEM	00	○	×	○	×	○	○	○	×	
		5B	1	00-7F	VARIATION PART NUMBER	受信: Part1...16 (0...15) 送信: Part1...16 (0...15) AD (64) OFF (127)	7F	○	×	○	×	○	○	○	×	
		5C	1	00-7F	MW VARIATION CONTROL DEPTH	-64...0...+63	40	○	×	○	×	○	○	○	×	
		5D	1	00-7F	BEND VARIATION CONTROL DEPTH	-64...0...+63	40	○	×	○	×	○	○	○	×	
		5E	1	00-7F	CAT VARIATION CONTROL DEPTH	-64...0...+63	40	○	×	○	×	○	○	○	×	
		5F	1	00-7F	AC1 VARIATION CONTROL DEPTH	-64...0...+63	40	○	×	○	×	○	○	○	×	
		60	1	00-7F	AC2 VARIATION CONTROL DEPTH	-64...0...+63	40	○	×	○	×	○	○	○	×	
TOTAL SIZE		21														

		30	1	00-7F	VARIATION PARAMETER 11	エフェクトパラメーター一覧参照	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×
		31	1	00-7F	VARIATION PARAMETER 12	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×
		32	1	00-7F	VARIATION PARAMETER 13	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×
		33	1	00-7F	VARIATION PARAMETER 14	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×
		34	1	00-7F	VARIATION PARAMETER 15	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×
		35	1	00-7F	VARIATION PARAMETER 16	"	Variation Typeに依存	○ (Variation Typeに依存)	×	○	×	○	○	○	×
TOTAL SIZE		06													

MIDI Parameter Change Table (MULTI EQ)

Address (H)	Size (H)	Data (H)	Parameter	Description	[MIDI (CLP)]			[本体シーケンサー]			REC		
					MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)				PLAY	
					Song	Main Layer Left Left-layer	Keyboard	Panel (主な出力方法)	Song	MIDI		PLAY	REW
02	40	00	00-04	EQ TYPE	flat, jazz, pops, rock, classic		x		x	x	x	x	x
		01	1	34-4C	EQ GAIN1	-12...0...+12 [dB]		x		x	x	x	x
		02	1	04-2B	EQ FREQUENCY1	32...2.0k [Hz]		x		x	x	x	x
		03	1	01-7B	EQ Q1	0.1...12.0		x		x	x	x	x
		04	1	00-01	EQ SHAPE1	shelving, peaking		x		x	x	x	x
		05	1	34-4C	EQ GAIN2	-12...0...+12 [dB]		x		x	x	x	x
		06	1	0E-36	EQ FREQUENCY2	100...10.0k [Hz]		x		x	x	x	x
		07	1	01-7B	EQ Q2	0.1...12.0		x		x	x	x	x
		08	1		NOT USED								
		09	1	34-4C	EQ GAIN3	-12...0...+12 [dB]		x		x	x	x	x
		0A	1	0E-36	EQ FREQUENCY3	100...10.0k [Hz]		x		x	x	x	x
		0B	1	01-7B	EQ Q3	0.1...12.0		x		x	x	x	x
		0C	1		NOT USED								
		0D	1	34-4C	EQ GAIN4	-12...0...+12 [dB]		x		x	x	x	x
		0E	1	0E-36	EQ FREQUENCY4	100...10.0k [Hz]		x		x	x	x	x
		0F	1	01-7B	EQ Q4	0.1...12.0		x		x	x	x	x
		10	1		NOT USED								
		11	1	34-4C	EQ GAIN5	-12...0...+12 [dB]		x		x	x	x	x
		12	1	1C-3A	EQ FREQUENCY5	0.5k...16.0k [Hz]		x		x	x	x	x
		13	1	01-7B	EQ Q5	0.1...12.0		x		x	x	x	x
		14	1	00-01	EQ SHAPE5	shelving, peaking		x		x	x	x	x

TOTAL SIZE 15
 *MULTI EQはXG System Onでリセットされません。

MIDI Parameter Change Table (EFFECT2)

*EFFECT2はXG System Onでリセットされません。

Address (H)	Size (H)	Data (H)	Parameter	Description	[MIDI (CLP)]			[本体シーケンサー]			REC		
					MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)				PLAY	
					Song	Main Layer Left Left-layer	Keyboard	Panel (主な出力方法)	Song	MIDI		PLAY	REW
03	n	00	2	00-7F	INSERTION EFFECT TYPE MSB		0		0	x	0	0	0
		02	1	00-7F	INSERTION EFFECT TYPE LSB		0		0	x	0	0	0
					INSERTION EFFECT PARAMETER 1		(Insertion Typeに依存)		(Voice Setting)	0	x	0	0
		03	1	00-7F	INSERTION EFFECT PARAMETER 2		(Insertion Typeに依存)		0	x	0	0	x
		04	1	00-7F	INSERTION EFFECT PARAMETER 3		(Insertion Typeに依存)		0	x	0	0	0
		05	1	00-7F	INSERTION EFFECT PARAMETER 4		(Insertion Typeに依存)		x	0	x	0	x
		06	1	00-7F	INSERTION EFFECT PARAMETER 5		(Insertion Typeに依存)		x	0	x	0	x
		07	1	00-7F	INSERTION EFFECT PARAMETER 6		(Insertion Typeに依存)		x	0	x	0	x
		08	1	00-7F	INSERTION EFFECT PARAMETER 7		(Insertion Typeに依存)		x	0	x	0	x
		09	1	00-7F	INSERTION EFFECT PARAMETER 8		(Insertion Typeに依存)		x	0	x	0	x
		0A	1	00-7F	INSERTION EFFECT PARAMETER 9		(Insertion Typeに依存)		x	0	x	0	x
		0B	1	00-7F	INSERTION EFFECT PARAMETER 10		(Insertion Typeに依存)		0	x	0	0	0
		0C	1	00-7F	INSERTION EFFECT PART NUMBER	受信: Part1...16 (0...15) 送信: Part1...16 (0...15) AD (64) OFF (127)		0		0	x	0	0
		0D	1	00-7F	MW INSERTION CONTROL DEPTH	-64...0...+63		0		x	0	0	x
		0E	1	00-7F	BEND INSERTION CONTROL DEPTH	-64...0...+63		0		x	0	0	x
		0F	1	00-7F	CAT INSERTION CONTROL DEPTH	-64...0...+63		0		x	0	0	x
		10	1	00-7F	AC1 INSERTION CONTROL DEPTH	-64...0...+63		0		0	x	0	0
		11	1	00-7F	AC2 INSERTION CONTROL DEPTH	-64...0...+63		0		x	0	0	x

TOTAL SIZE 12

02	01	20	1	00-7F	INSERTION EFFECT PARAMETER 11	エフェクトパラメーター一覧参照		0		x	0	x	0	0	x
					INSERTION EFFECT PARAMETER 12	"		(Insertion Typeに依存)		x	0	x	0	0	x
		21	1	00-7F	INSERTION EFFECT PARAMETER 13	"		(Insertion Typeに依存)		x	0	x	0	0	x
		22	1	00-7F	INSERTION EFFECT PARAMETER 14	"		(Insertion Typeに依存)		x	0	x	0	0	x
		23	1	00-7F	INSERTION EFFECT PARAMETER 15	"		(Insertion Typeに依存)		x	0	x	0	0	x
		24	1	00-7F	INSERTION EFFECT PARAMETER 16	"		(Insertion Typeに依存)		x	0	x	0	0	x
		25	1	00-7F	INSERTION EFFECT PARAMETER 17	"		(Insertion Typeに依存)		0	x	0	0	0	0

TOTAL SIZE 6

		30	2	00-7F	INSERTION EFFECT PARAMETER 1 MSB	エフェクトパラメーター一覧参照		0		x	0	x	0	0	x
				00-7F	INSERTION EFFECT PARAMETER 1 LSB	"		(Insertion Typeに依存)		x	0	x	0	0	x
		32	2	00-7F	INSERTION EFFECT PARAMETER 2 MSB	"		0		x	0	x	0	0	x
				00-7F	INSERTION EFFECT PARAMETER 2 LSB	"		(Insertion Typeに依存)		x	0	x	0	0	x
		34	2	00-7F	INSERTION EFFECT PARAMETER 3 MSB	"		0		x	0	x	0	0	x
				00-7F	INSERTION EFFECT PARAMETER 3 LSB	"		(Insertion Typeに依存)		x	0	x	0	0	x
		36	2	00-7F	INSERTION EFFECT PARAMETER 4 MSB	"		0		x	0	x	0	0	x
				00-7F	INSERTION EFFECT PARAMETER 4 LSB	"		(Insertion Typeに依存)		x	0	x	0	0	x
		38	2	00-7F	INSERTION EFFECT PARAMETER 5 MSB	"		0		x	0	x	0	0	x
				00-7F	INSERTION EFFECT PARAMETER 5 LSB	"		(Insertion Typeに依存)		x	0	x	0	0	x
		3A	2	00-7F	INSERTION EFFECT PARAMETER 6 MSB	"		0		x	0	x	0	0	x
				00-7F	INSERTION EFFECT PARAMETER 6 LSB	"		(Insertion Typeに依存)		x	0	x	0	0	x

	3C	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 7 MSB INSERTION EFFECT PARAMETER 7 LSB	エフェクトパラメーター参照	○ (Insertion Typeに依存)	×	○	×	○	○	×
	3E	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 8 MSB INSERTION EFFECT PARAMETER 8 LSB	"	○ (Insertion Typeに依存)	×	○	×	○	○	×
	40	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 9 MSB INSERTION EFFECT PARAMETER 9 LSB	"	○ (Insertion Typeに依存)	×	○	×	○	○	×
	42	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 10 MSB INSERTION EFFECT PARAMETER 10 LSB	"	○ (Insertion Typeに依存)	○	○	×	○	○	○

TOTAL SIZE 14
addressの2byteをインサージョンエフェクト番号とします。
n: insertion effect number

本機種種のインサージョンエフェクト番号の範囲は0~1です。範囲外の値については未知のイベントとして扱われ、無視されます。
MSBが不要なEFFECT TYPE使用時は、アドレス02~0BのPARAMETERを受信し、アドレス30~42のPARAMETERは受信しません。
MSBが必要なEFFECT TYPE使用時は、アドレス30~42のPARAMETERを受信し、アドレス02~0BのPARAMETERは受信しません。
EFFECT TYPEの情報を含むパルクの送信は、アドレス02~0BのPARAMETERが必ず送信されますが、MSBが必要なEFFECT TYPEの場合は、パルク受信においてもアドレス02~0BのPARAMETERの受信をしません。

MIDI Parameter Change Table (MULTI PART)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	[MIDI (CLP)]			[本体シーケンサー]						
						MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)		PLAY		REC		
						Song	Main Layer Left Left-layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音	
08	nn	00	1	00-20	NOT USED		×	×	×	×	×	×	×	×	
		01	1	00-7F	BANK SELECT MSB	0...127 part10=7F, other parts=00	○	○	×	×	○	×	○	○	×
		02	1	00-7F	BANK SELECT LSB	0...127	○	○	×	×	○	×	○	○	×
		03	1	00-7F	PROGRAM NUMBER	1...128	○	○	×	×	○	×	○	○	×
		04	1	00-0F, 7F	Rcv CHANNEL	1...16, OFF	Part No.	○	×	×	×	○	×	○	×
		05	1	00-01	MONO/POLY MODE	MONO, POLY	01	○	×	×	×	○	×	○	×
		06	1	00-02	SAME NOTE NUMBER KEY ON ASSIGN	SINGLE, MULTI, INST (for Drum)	01	○	×	×	×	○	×	○	×
		07	1	00-03	PART MODE	NORMAL, DRUM, DRUMS1...2	part10=02, other parts=00	○	×	×	○ (Drum Voice)	○	×	○	○
		08	1	28-58	NOTE SHIFT	-24...0...+24 [semitones]	40	○	○	×	×	○	×	○	×
		09 0A	2	00-0F 00-0F	DETUNE	-12 B...0...+12.7[Hz] 1st bit3-0 → bit7-4 2nd bit3-0 → bit3-0	08 00	○	○	×	×	○	×	○	×
		0B	1	00-7F	VOLUME	0...127	64	○	○	×	×	○	×	○	×
		0C	1	00-7F	VELOCITY SENSE DEPTH	0...127	40	○	○	×	○ (Voice Setting)	○	×	○	○
		0D	1	00-7F	VELOCITY SENSE OFFSET	0...127	40	○	○	×	○ (Voice Setting)	○	×	○	○
		0E	1	00-7F	PAN	RND, L63...C...R63	40	○	○	×	×	○	×	○	×
		0F	1	00-7F	NOTE LIMIT LOW	C-2...G8	00	○	○	×	×	○	×	○	×
		10	1	00-7F	NOTE LIMIT HIGH	C-2...G8	7F	○	○	×	×	○	×	○	×
		11	1	00-7F	DRY LEVEL	0...127	7F	○	○	×	×	○	×	○	×
		12	1	00-7F	CHORUS SEND	0...127	00	○	○	×	×	○	×	○	×
		13	1	00-7F	REVERB SEND	0...127	28	○	○	×	×	○	×	○	×
		14	1	00-7F	VARIATION SEND	0...127	00	○	○	×	×	○	×	○	×
		15	1	00-7F	VIBRATO RATE	-64...0...+63	40	○	○	×	×	○	×	○	×
		16	1	00-7F	VIBRATO DEPTH	-64...0...+63	40	○	○	×	×	○	×	○	×
		17	1	00-7F	VIBRATO DELAY	-64...0...+63	40	○	○	×	×	○	×	○	×
		18	1	00-7F	FILTER CUTOFF FREQUENCY	-64...0...+63	40	○	○	×	×	○	×	○	×
		19	1	00-7F	FILTER RESONANCE	-64...0...+63	40	○	○	×	×	○	×	○	×
		1A	1	00-7F	EG ATTACK TIME	-64...0...+63	40	○	○	×	×	○	×	○	×
		1B	1	00-7F	EG DECAY TIME	-64...0...+63	40	○	○	×	×	○	×	○	×
		1C	1	00-7F	EG RELEASE TIME	-64...0...+63	40	○	○	×	×	○	×	○	×
		1D	1	28-58	MW PITCH CONTROL	-24...0...+24 [semitones]	40	○	○	×	×	○	×	○	×
		1E	1	00-7F	MW LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	○	○	×	×	○	×	○	×
		1F	1	00-7F	MW AMPLITUDE CONTROL	-100...0...+100 [%]	40	○	○	×	×	○	×	○	×
		20	1	00-7F	MW LFO PMOD DEPTH	0...127	0A	○	○	×	×	○	×	○	×
		21	1	00-7F	MW LFO FMOD DEPTH	0...127	00	○	○	×	×	○	×	○	×
		22	1	00-7F	MW LFO AMOD DEPTH	0...127	00	○	○	×	×	○	×	○	×
		23	1	28-58	BEND PITCH CONTROL	-24...0...+24 [semitones]	42	○	○	×	×	○	×	○	×
		24	1	00-7F	BEND LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	○	○	×	×	○	×	○	×
		25	1	00-7F	BEND AMPLITUDE CONTROL	-100...0...+100 [%]	40	○	○	×	×	○	×	○	×
		26	1	00-7F	BEND LFO PMOD DEPTH	0...127	00	○	○	×	×	○	×	○	×
		27	1	00-7F	BEND LFO FMOD DEPTH	0...127	00	○	○	×	×	○	×	○	×
		28	1	00-7F	BEND LFO AMOD DEPTH	0...127	00	○	○	×	×	○	×	○	×

TOTAL SIZE 29

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	[MIDI (CLP)]			[本体シーケンサー]						
						MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)		PLAY		REC		
						Song	Main Layer Left Left-layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音	
		30	1	00-01	Rcv PITCH BEND	OFF, ON	01	○	×	×	×	○	×	○	×
		31	1	00-01	Rcv CH AFTER TOUCH (CAT)	OFF, ON	01	○	×	×	×	○	×	○	×
		32	1	00-01	Rcv PROGRAM CHANGE	OFF, ON	01	○	×	×	×	○	×	○	×
		33	1	00-01	Rcv CONTROL CHANGE	OFF, ON	01	○	×	×	×	○	×	○	×
		34	1	00-01	Rcv POLY AFTER TOUCH (PAT)	OFF, ON	01	○	×	×	×	○	×	○	×
		35	1	00-01	Rcv NOTE MESSAGE	OFF, ON	01	○	×	×	×	○	×	○	×
		36	1	00-01	Rcv RPN	OFF, ON	01	○	×	×	×	○	×	○	×
		37	1	00-01	Rcv NRPN	OFF, ON	XGmode=01, GMmode=00	○	×	×	×	○	×	○	×
		38	1	00-01	Rcv MODULATION	OFF, ON	01	○	×	×	×	○	×	○	×
		39	1	00-01	Rcv VOLUME	OFF, ON	01	○	×	×	×	○	×	○	×
		3A	1	00-01	Rcv PAN	OFF, ON	01	○	×	×	×	○	×	○	×
		3B	1	00-01	Rcv EXPRESSION	OFF, ON	01	○	×	×	×	○	×	○	×
		3C	1	00-01	Rcv HOLD1	OFF, ON	01	○	×	×	×	○	×	○	×
		3D	1	00-01	Rcv PORTAMENTO	OFF, ON	01	○	×	×	×	○	×	○	×
		3E	1	00-01	Rcv SOSTENUTO	OFF, ON	01	○	×	×	×	○	×	○	×
		3F	1	00-01	Rcv SOFT PEDAL	OFF, ON	01	○	×	×	×	○	×	○	×
		40	1	00-01	Rcv BANK SELECT	OFF, ON	01	○	×	×	×	○	×	○	×
		41	1	00-7F	SCALE TUNING C	-63...0...+63 [cent]	40	○	○	×	○ (Function)	○	×	○	○

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	[MIDI (CLP)]			[本体シーケンサー]						
						MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)			PLAY		REC	
						Song	Main Layer Left Left-layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panelからの録音	
		42	1	00-7F	SCALE TUNING C#	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		43	1	00-7F	SCALE TUNING D	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		44	1	00-7F	SCALE TUNING D#	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		45	1	00-7F	SCALE TUNING E	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		46	1	00-7F	SCALE TUNING F	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		47	1	00-7F	SCALE TUNING F#	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		48	1	00-7F	SCALE TUNING G	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		49	1	00-7F	SCALE TUNING G#	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		4A	1	00-7F	SCALE TUNING A	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		4B	1	00-7F	SCALE TUNING A#	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		4C	1	00-7F	SCALE TUNING B	-63...0...+63 [cent]	40	○	○	×	○	×	○	○	○
		4D	1	28-58	CAT PITCH CONTROL	-24...0...+24 [semitones]	40	○	×	×	×	○	×	○	×
		4E	1	00-7F	CAT LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	○	×	×	×	○	×	○	×
		4F	1	00-7F	CAT AMPLITUDE CONTROL	-100...0...+100 [%]	40	○	×	×	×	○	×	○	×
		50	1	00-7F	CAT LFO PMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		51	1	00-7F	CAT LFO FMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		52	1	00-7F	CAT LFO AMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		53	1	28-58	PAT PITCH CONTROL	-24...0...+24 [semitones]	40	○	×	×	×	○	×	○	×
		54	1	00-7F	PAT LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	○	×	×	×	○	×	○	×
		55	1	00-7F	PAT AMPLITUDE CONTROL	-100...0...+100 [%]	40	○	×	×	×	○	×	○	×
		56	1	00-7F	PAT LFO PMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		57	1	00-7F	PAT LFO FMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		58	1	00-7F	PAT LFO AMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		59	1	00-5F	AC1 CONTROLLER NUMBER	0...95	10	○	○	×	○	×	○	○	○
		5A	1	28-58	AC1 PITCH CONTROL	-24...0...+24 [semitones]	40	○	×	×	×	○	×	○	×
		5B	1	00-7F	AC1 LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	○	×	×	×	○	×	○	×
		5C	1	00-7F	AC1 AMPLITUDE CONTROL	-100...0...+100 [%]	40	○	×	×	×	○	×	○	×
		5D	1	00-7F	AC1 LFO PMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		5E	1	00-7F	AC1 LFO FMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		5F	1	00-7F	AC1 LFO AMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		60	1	00-5F	AC2 CONTROLLER NUMBER	0...95	11	○	×	×	×	○	×	○	×
		61	2	28-58	AC2 PITCH CONTROL	-24...0...+24 [semitones]	40	○	×	×	×	○	×	○	×
		62	1	00-7F	AC2 LOW PASS FILTER CONTROL	-9600...0...+9450 [cent]	40	○	×	×	×	○	×	○	×
		63	1	00-7F	AC2 AMPLITUDE CONTROL	-100...0...+100 [%]	40	○	×	×	×	○	×	○	×
		64	1	00-7F	AC2 LFO PMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		65	1	00-7F	AC2 LFO FMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		66	1	00-7F	AC2 LFO AMOD DEPTH	0...127	00	○	×	×	×	○	×	○	×
		67	1	00-01	PORTAMENTO SWITCH	OFF, ON	00	○	○	×	×	○	×	○	○
		68	1	00-7F	PORTAMENTO TIME	0...127	00	○	○	×	×	○	×	○	○
		69	1	00-7F	PITCH EG INITIAL LEVEL	-64...0...+63	40	○	×	×	×	○	×	○	×
		6A	1	00-7F	PITCH EG ATTACK TIME	-64...0...+63	40	○	×	×	×	○	×	○	×
		6B	1	00-7F	PITCH EG RELEASE LEVEL	-64...0...+63	40	○	×	×	×	○	×	○	×
		6C	1	00-7F	PITCH EG RELEASE TIME	-64...0...+63	40	○	×	×	×	○	×	○	×
		6D	1	00-7F	VELOCITY LIMIT LOW	1...127	01	○	×	×	×	○	×	○	×
		6E	1	00-7F	VELOCITY LIMIT HIGH	1...127	7F	○	×	×	×	○	×	○	×

TOTAL SIZE 3F

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

TOTAL SIZE 04

		74	1		NOT USED	-	-	-	-	-	-	-	-	-	-
		75	1		NOT USED	-	-	-	-	-	-	-	-	-	-
		76	1	04-28	EQ BASS FREQUENCY	32...2.0k [Hz]	0C	×	×	×	×	×	×	×	×
		77	1	1C-3A	EQ TREBLE FREQUENCY	500...16.0k [Hz]	36	×	×	×	×	×	×	×	×
		78	1		NOT USED	-	-	-	-	-	-	-	-	-	-
		78	1		NOT USED	-	-	-	-	-	-	-	-	-	-
		7A	1		NOT USED	-	-	-	-	-	-	-	-	-	-
		7B	1		NOT USED	-	-	-	-	-	-	-	-	-	-
		7C	1		NOT USED	-	-	-	-	-	-	-	-	-	-
		7D	1		NOT USED	-	-	-	-	-	-	-	-	-	-
		7E	1		NOT USED	-	-	-	-	-	-	-	-	-	-
		7F	1		NOT USED	-	-	-	-	-	-	-	-	-	-

TOTAL SIZE 0C

		0A	nn	40	1	00-7F	MW OFFSET LEVEL CONTROL	-100...0...+100 [%]	40	○	×	×	×	○	×	○	○	×
				41	1	00-7F	BEND OFFSET LEVEL CONTROL	-100...0...+100 [%]	40	○	×	×	×	○	×	○	○	×
				42	1	00-7F	CAT OFFSET LEVEL CONTROL	-100...0...+100 [%]	40	○	×	×	×	○	×	○	○	×
				43	1	00-7F	PAT OFFSET LEVEL CONTROL	-100...0...+100 [%]	40	○	×	×	×	○	×	○	○	×
				44	1	00-7F	AC1 OFFSET LEVEL CONTROL	-100...0...+100 [%]	40	○	×	×	×	○	×	○	○	×
				45	1	00-7F	AC2 OFFSET LEVEL CONTROL	-100...0...+100 [%]	40	○	×	×	×	○	×	○	○	×

TOTAL SIZE 06

nn = PART NUMBER

DRUM PARTの場合、以下のパラメータは効果がかりません。

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

MIDI Parameter Change Table (DRUM SETUP)

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	[MIDI (CLP)]			[本体シーケンサー]							
						MIDI受信(各PARTの発音への効果の有無)			MIDI送信(データ発生元)			PLAY		REC		
						Song	Main Layer Left Left-layer	Keyboard	Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音		
3n	rr	00	1	00-7F	PITCH COARSE	-64...0...+63	40	○	×	×	×	○	×	○	×	×
		01	1	00-7F	PITCH FINE	-64...0...+63 [cent]	40	○	×	×	×	○	×	○	×	×
		02	1	00-7F	LEVEL	0...127	ノートに依存します	○	×	×	×	○	×	○	×	×
		03	1	00-7F	ALTERNATE GROUP	OFF, 1...127	ノートに依存します	○	×	×	×	○	×	○	×	×
		04	1	00-7F	PAN	RND, L63...C...R63	ノートに依存します	○	×	×	×	○	×	○	×	×
		05	1	00-7F	REVERB SEND	0...127	ノートに依存します	○	×	×	×	○	×	○	×	×
		06	1	00-7F	CHORUS SEND	0...127	ノートに依存します	○	×	×	×	○	×	○	×	×
		07	1	00-7F	VARIATION SEND	0...127	7F	○	×	×	×	○	×	○	×	×
		08	1	00-01	KEY ASSIGN	SINGLE, MULTI	00	○	×	×	×	○	×	○	×	×
		09	1	00-01	Rcv NOTE OFF	OFF, ON	ノートに依存します	○	×	×	×	○	×	○	×	×
		0A	1	00-01	Rcv NOTE ON	OFF, ON	01	○	×	×	×	○	×	○	×	×
		0B	1	00-7F	LOW PASS FILTER CUTOFF FREQUENCY	-64...0...+63	40	○	×	×	×	○	×	○	×	×
		0C	1	00-7F	LOW PASS FILTER RESONANCE	-64...0...+63	40	○	×	×	×	○	×	○	×	×
		0D	1	00-7F	EG ATTACK RATE	-64...0...+63	40	○	×	×	×	○	×	○	×	×
		0E	1	00-7F	EG DECAY1 RATE	-64...0...+63	40	○	×	×	×	○	×	○	×	×
		0F	1	00-7F	EG DECAY2 RATE	-64...0...+63	40	○	×	×	×	○	×	○	×	×

TOTAL SIZE 10

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

TOTAL SIZE 0E

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

すべてのDrum Setupを以下の場合に初期化します。

- XG SYSTEM ON受信
- GM SYSTEM ON受信
- GM LEVEL2 SYSTEM ON受信
- GS RESET受信
- DRUM SETUP RESET受信 (XG mode時)

[注意]

Drum Setupをアサインされているパートのプログラムチェンジを受信すると、アサインされているDrum Setupは初期化されます。
 複数のパートが同じDrum Setupをアサインされている場合、Drum Setupパラメーターの変更(プログラムチェンジを含む)は、アサインされているすべてのパートに反映します。

System Exclusive Messages (1)

- *Receive System Exclusive Messageの設定がOFFのときには受信しません。
- *Transmit System Exclusive Messageの設定がOFFのときには送信しません。

■ システムエクスクルーシブメッセージ (ユニバーサルリアルタイムメッセージ)

MIDI Event	データフォーマット	[MIDI (CLP)]			[本体シーケンサー]						
		MIDI受信(各PARTの発音への効果の有無)			MIDI受信 (パネルへの効果)	MIDI送信(データ発生元)			PLAY		REC
		Song	Main Layer Left Left-layer	Keyboard		Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音
Master Volume [GM2]	F0 7F XN 04 01 SS TT F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxxnmmn XN = When N is received N=0-F, whichever is received. X=ignored 00000100 04 = Sub-ID #1=Device Control Message 00000001 01 = Sub-ID #2=Master Volume 0sssssss SS = Volume LSB 0tttttttt TT = Volume MSB 11110111 F7 = End of Exclusive	○	×	×	×	×	△ (XGに変換され、出力される)	×	○	○	×
Master Fine Tuning [GM2]	F0 7F XN 04 03 SS TT F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxxnmmn XN = When N is received N=0-F, whichever is received. X=ignored 00000100 04 = Sub-ID #1=Device Control Message 00000011 03 = Sub-ID #2=Master Fine Tuning 0sssssss SS = Volume LSB 0tttttttt TT = Volume MSB 11110111 F7 = End of Exclusive	○	×	×	×	×	△ (XGに変換され、出力される)	×	○	○	×
Master Coarse Tuning [GM2]	F0 7F XN 04 04 00 TT F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxxnmmn XN = When N is received N=0-F, whichever is received. X=ignored 00000100 04 = Sub-ID #1=Device Control Message 00000100 04 = Sub-ID #2=Master Fine Tuning 00000000 00 0tttttttt TT = Coarse Tuning MSB 11110111 F7 = End of Exclusive	○	×	×	×	×	△ (XGに変換され、出力される)	×	○	○	×

MIDI Event	データフォーマット	[MIDI (CLP)]			[本体シーケンサー]						
		MIDI受信(各PARTの発音への効果の有無)			MIDI受信 (パネルへの効果)	MIDI送信(データ発生元)			PLAY		REC
		Song	Main Layer Left Left-layer	Keyboard		Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音
Reverb Parameter [GM2]	F0 7F XN 04 05 01 01 01 01 01 PP VV ... F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxxnnn XN = When N is received N=0-F, whichever is received. X=ignored 00000100 04 = Sub-ID #1=Device Control Message 00000101 05 = Sub-ID #2=Global Parameter Control 00000001 01 = Slot path length = 1 00000001 01 = Parameter ID width = 1 00000001 01 = Value width = 1 00000001 01 = Slot path MSB = 1 (Reverb) 00000001 01 = Slot path LSB = 1 0ppppppp PP = Parameter to be controlled. 0vvvvvvv VV = Value for the Parameter. ... 11110111 F7 = End of Exclusive Parameter (pp) Value (vv) Display ----- pp=0 Reverb Type 0..8 0: RoomS 1: RoomM 2: RoomL 3: HallM 4: HallL (default) 8: GM Plate 0..11.0s pp=1 Reverb Time 0..128	○			○	×	△ (XGに変換され、出力される)	×	○	○	×
Chorus Parameter [GM2]	F0 7F XN 04 05 01 01 01 01 02 PP VV ... F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxxnnn XN = When N is received N=0-F, whichever is received. X=ignored 00000100 04 = Sub-ID #1=Device Control Message 00000101 05 = Sub-ID #2=Global Parameter Control 00000001 01 = Slot path length = 1 00000001 01 = Parameter ID width = 1 00000001 01 = Value width = 1 00000001 01 = Slot path MSB = 1 (Chorus) 00000010 02 = Slot path LSB = 2 0ppppppp PP = Parameter to be controlled. 0vvvvvvv VV = Value for the Parameter. ... 11110111 F7 = End of Exclusive Parameter (pp) Value (vv) Display ----- pp=0 Chorus Type 0...5 0: GM Chorus1 1: GM Chorus2 2: GM Chorus3 (default) 3: GM Chorus4 4: FB Chorus 5: GM Flanger 0...15.5Hz pp=1 Mod Rate 0..127 pp=2 Mod Depth 0..127 pp=3 Feedback 0..127 pp=4 Send to Reverb 0..127	○			○	×	△ (XGに変換され、出力される)	×	○	○	×
Channel Pressure (Aftertouch) [GM2]	F0 7F XN 09 01 0M PP RR ... F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxxnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001001 09 = Sub-ID #1=Controller Destination Setting 00000001 01 = Sub-ID #2=Controller Type: 01 (Channel Pressure) 0000mnnn 0M = MIDI Channel (00-0F) 0ppppppp PP = Controlled Parameter 0rrrrrrr RR = Data ... 11110111 F7 = End of Exclusive Control Parameter (pp) Data (RR) Description 初期値 ----- pp=00 Pitch Control 28H-58H -24...0...+24 semitones 40H pp=01 Filter Cutoff Control 00H-7FH -9600...0...+9450 cents 40H pp=02 Amplitude Control 00H-7FH -100...0...+100% 40H pp=03 LFO Pitch Depth 00H-7FH 0..127 00H pp=04 LFO Filter Depth 00H-7FH 0..127 00H pp=05 LFO Amplitude Depth 00H-7FH 0..127 00H	○	×	×	×	×	△ (XGに変換され、出力される)	×	○	×	×
Controller (Control Change) [GM2]	F0 7F XN 09 03 0M CC PP RR ... F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxxnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001001 09 = Sub-ID #1=Controller Destination Setting 00000111 03 = Sub-ID #2=Controller Type: 03 (Control Change) 0000mnnn 0M = MIDI Channel (00-0F) 0ccccccc CC = Controller Number (01H-1FH, 40H-5FH) 0ppppppp PP = Controlled Parameter 0rrrrrrr RR = Data ... 11110111 F7 = End of Exclusive Controlled ParameterとRangeをペアで設定。 設定しなかったパラメータは初期化される。 Control Parameter (pp) Data (RR) Description 初期値 ----- pp=00 Pitch Control 28H-58H -24...0...+24 semitones 40H pp=01 Filter Cutoff Control 00H-7FH -9600...0...+9450 cents 40H pp=02 Amplitude Control 00H-7FH -100...0...+100% 40H pp=03 LFO Pitch Depth 00H-7FH 0..127 00H pp=04 LFO Filter Depth 00H-7FH 0..127 00H pp=05 LFO Amplitude Depth 00H-7FH 0..127 00H	○	×	×	×	×	△ (XGに変換され、出力される)	×	○	×	×

MIDI Event	データフォーマット	[MIDI (CLP)]			[本体シーケンサー]																										
		MIDI受信(各PARTの発音への効果の有無)			MIDI受信 (パネルへの効果)	MIDI送信(データ発生元)			PLAY		REC																				
		Song	Main Layer Left Left-layer	Keyboard		Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音																				
Key-Based Instrument Control [GM2]	F0 7F XN 0A 01 0M KK CC VV ... F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxxnnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001010 0A = Sub-ID #1=Key-Based Instrument Control 00000011 01 = Sub-ID #2=Controller 0000mmmm 0M = MIDI Channel (00-0F) 0kkkkkkkk KK = Key Number 0ccccccc CC = Controller Number 0vvvvvvv VV = Value ... 11110111 F7 = End of Exclusive Controlled NumberとValueをペアで設定 <table border="1"> <thead> <tr> <th>Control Number (CC)</th> <th>Value (VV)</th> <th>Description</th> <th>初期値</th> </tr> </thead> <tbody> <tr> <td>CC=07H Volume</td> <td>00H-7FH</td> <td>-100...0...+100%</td> <td>40</td> </tr> <tr> <td>CC=0AH Pan</td> <td>00H-7FH</td> <td>L63...C...R63</td> <td>(Preset value)</td> </tr> <tr> <td>CC=5BH Reverb Send Level</td> <td>00H-7FH</td> <td>0...Max</td> <td>(Preset value)</td> </tr> <tr> <td>CC=5DH Chorus Send Level</td> <td>00H-7FH</td> <td>0...Max</td> <td>(Preset value)</td> </tr> </tbody> </table>	Control Number (CC)	Value (VV)	Description	初期値	CC=07H Volume	00H-7FH	-100...0...+100%	40	CC=0AH Pan	00H-7FH	L63...C...R63	(Preset value)	CC=5BH Reverb Send Level	00H-7FH	0...Max	(Preset value)	CC=5DH Chorus Send Level	00H-7FH	0...Max	(Preset value)	○	×	×	×	×	△ (XGに変換され、出力される)	×	○	×	×
Control Number (CC)	Value (VV)	Description	初期値																												
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CC=5DH Chorus Send Level	00H-7FH	0...Max	(Preset value)																												

■ システムエクスクルーシブメッセージ (ユニバーサルノン・リアルタイムメッセージ)

MIDI Event	データフォーマット	[MIDI (CLP)]			[本体シーケンサー]						
		MIDI受信(各PARTの発音への効果の有無)			MIDI受信 (パネルへの効果)	MIDI送信(データ発生元)			PLAY		REC
		Song	Main Layer Left Left-layer	Keyboard		Panel (主な出力方法)	Song	MIDI	PLAY	REW	Panel からの録音
GM1 System On [GM1] [GM2]	F0 7E XN 09 01 F7 11110000 F0 = Exclusive status 01111111 7E = Universal Non-Real Time 0xxxxnnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001001 09 = Sub-ID #1=General MIDI Message 00000001 01 = Sub-ID #2=General MIDI On 11110111 F7 = End of Exclusive	○	×	×	○ (Voice Setting, Reverb Type, Chorus Type)	×	△ (XGに変換され、出力される)	×	○	×	○
GM2 System On [GM2]	F0 7E XN 09 03 F7 11110000 F0 = Exclusive status 01111111 7E = Universal Non-Real Time 0xxxxnnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001001 09 = Sub-ID #1=General MIDI Message 00000011 03 = Sub-ID #2=General MIDI2 On 11110111 F7 = End of Exclusive	○	×	×	×	×	△ (XGに変換され、出力される)	×	○	×	×
General MIDI System Off [GM1] [GM2]	F0 7E XN 09 02 F7 11110000 F0 = Exclusive status 01111111 7E = Universal Non-Real Time 0xxxxnnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001001 09 = Sub-ID #1=General MIDI Message 00000010 02 = Sub-ID #2=General MIDI Off 11110111 F7 = End of Exclusive	○	×	×	○ (Voice Setting, Reverb Type, Chorus Type)	×	△ (XGに変換され、出力される)	×	○	×	×
Scale/Octave Tuning [GM2]	F0 7E XN 08 08 JJ GG MM SS ... F7 11110000 F0 = Exclusive status 01111111 7E = Universal Non-Real Time 0xxxxnnnn XN = When N is received N=0-F, whichever is received. X=ignored 00001000 08 = Sub-ID #1=MIDI Tuning Standard 00001000 08 = Sub-ID #2=scale/octave tuning 1byte form 0jjjjjjjj JJ = Channel/option byte1 bits 0 to 1 = channel 15 to 16 bits 2 to 6 = reserved 0ggggggg GG = Channel byte 2 - bits 0 to 6 = channel 8 to 14 0mmmmmmm MM = Channel byte 2 - bits 0 to 6 = channel 1 to 7 0sssssss SS = 12 byte tuning offset of 12 semitones from C to B 00H means -64cent 40H means 0cent 7FH means +63cent ... 11110111 F7 = End of Exclusive	○	×	×	×	×	△ (XGに変換され、出力される)	×	○	×	×

*GM2 System OnありソングではBANK MSB/LSBを削除してロードします。

System Exclusive Messages (2)

*Receive System Exclusive Messageの設定がOFFのときには受信しません。
 *Transmit System Exclusive Messageの設定がOFFのときには送信しません。

■ システムエクスクルーシブメッセージ (XG)

MIDI Event	データフォーマット	[MIDI (CLP)]			[本体シーケンサー]		
		MIDI受信 (各PARTの発音への効果の有無)			MIDI受信 (パネルへの効果)	MIDI送信 (データ発生元)	
		Song	Main Layer Left Left-layer	Keyboard		Panel (主な出力方法)	Song
XGパラメータチェンジ	F0 43 1n 4C hh mm ll dd ... F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n = Device Number n=always 0 (when transmit), n=0-F (when receive) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm = Address Mid 01111111 ll = Address Low 0ddddddd dd = Data ... 11110111 F7 = End of Exclusive		○ *Parameter Change Tableを参照のこと		-	○ *Parameter Change Tableを参照のこと	
XGバリュクタンプ	F0 43 0n 4C aa bb hh mm ll dd ... dd cc F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n = Device Number n=always 0 (when transmit), n=0-F (when receive) 01001100 4C = Model ID 0aaaaaaaa aa = Byte Count MSB 0bbbbbbb bb = Byte Count LSB 0hhhhhhh hh = Address High 0mmmmmmm mm = Address Mid 01111111 ll = Address Low 0ddddddd dd = Data : : 0ddddddd dd = Data 0ccccc cc = Checksum 11110111 F7 = End of Exclusive		○ *Parameter Change Tableを参照のこと		-	○ *Parameter Change Tableを参照のこと	
XGパラメーターリクエスト	F0 43 3n 4C hh mm ll F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0011nnnn 3n = Device Number n=always 0 (when transmit), n=0-F (when receive) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm = Address Mid 01111111 ll = Address Low 11110111 F7 = End of Exclusive		○ *Parameter Change Tableを参照のこと		-	×	
XGダンプリクエスト	F0 43 2n 4C hh mm ll F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0010nnnn 2n = Device Number n=always 0 (when transmit), n=0-F (when receive) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm = Address Mid 01111111 ll = Address Low 11110111 F7 = End of Exclusive		○ *Parameter Change Tableを参照のこと		-	×	

■ システムエクスクルーシブメッセージ (その他)

MIDI Event	データフォーマット	[MIDI (CLP)]			[本体シーケンサー]		
		MIDI受信 (各PARTの発音への効果の有無)			MIDI受信 (パネルへの効果)	MIDI送信 (データ発生元)	
		Song	Main Layer Left Left-layer	Keyboard		Panel (主な出力方法)	Song
MIDI Master Tuning	F0 43 1n 27 30 00 00 0m 0l cc F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n = always 0 (when transmit), n=0-F (when receive) 00100111 27 = Model ID of TG100 00110000 30 = Address High 00000000 00 = Address Mid 00000000 00 = Address Low 0000mmmm 0m = Master Tune MSB 00001111 0l = Master Tune LSB 0ccccc cc = don't care 11110111 F7 = End of Exclusive		○		○ (Function)	×	×

■ システムエクスクルーシブメッセージ (パネル音色関連)

MIDI Event	データフォーマット	[MIDI (CLP)]			[本体シーケンサー]		
		MIDI受信(各PARTの発音への効果の有無)			MIDI受信 (パネルへの効果)	MIDI送信(データ発生元)	
		Song	Main Layer Left Left-layer	Keyboard		Panel (主な出力方法)	Song
String Resonance Depth	F0 43 73 01 50 11 0n 02 dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 01010000 50 = SubID 00010001 11 = SubID 0000nnnn 0n = Channel (00-0F) 00000010 02 = SubID (String Resonance Depth) 0ddddd dd = Depth (00-48) 11110111 F7 = End of Exclusive	○	○	×	○ (Function)	○ (Function)	○
Sustain Sample Depth	F0 43 73 01 50 11 0n 03 dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 01010000 50 = SubID 00010001 11 = SubID 0000nnnn 0n = Channel (00-0F) 00000011 03 = SubID (Sustain Sample Depth) 0ddddd dd = Depth (00-48) 11110111 F7 = End of Exclusive	○	○	×	○ (Function)	○ (Function)	○
Key Off Sampling Depth	F0 43 73 01 50 11 0n 04 dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 01010000 50 = SubID 00010001 11 = SubID 0000nnnn 0n = Channel (00-0F) 00000100 04 = SubID (Key Off Sampling Depth) 0ddddd dd = Depth (00-50) 11110111 F7 = End of Exclusive	○	○	×	○ (Function)	○ (Function)	○
Soft Pedal Depth	F0 43 73 01 50 11 0n 05 dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 01010000 50 = SubID 00010001 11 = SubID 0000nnnn 0n = Channel (00-0F) 00000101 04 = SubID (Soft Pedal Depth) 0ddddd dd = Depth (00-7F) 11110111 F7 = End of Exclusive	○	○	×	○ (Function)	○ (Function)	○

*各Depth値のリセット値は40H=音色パラメータとします。

ファンクション		送信	受信	備考
ベーシック チャンネル	電源ON時 設定可能	1 ~ 16 チャンネル 1 ~ 16 チャンネル	1 ~ 16 チャンネル 1 ~ 16 チャンネル	
モード	電源ON時 メッセージ 代用	モード 3 × *****	モード 3 × ×	
ノートナンバー	音域	0 ~ 127 *****	0 ~ 127 0 ~ 127	
ベロシティ	ノートオン ノートオフ	○ 9nH, v=1 ~ 127 ○ 8nH, v=1 ~ 127	○ 9nH, v=1 ~ 127 ○ 9nH, v=0または8nH	
アフタータッチ	キー別 チャンネル別	× ×	○ ○	
ピッチベンド		○	○ 0 ~ 24 セミ	*1
コントロールチェンジ	0, 32 1, 5 7, 10, 11 6, 38 64, 66, 67 65 71, 74 72, 73 84, 94 91, 93 96 - 97 98 - 99 100 - 101	○ × ○ ○ ○ × ○ × × ○ × × ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	バンクセレクト データエントリー ポルタメントコントロール サウンドコントローラー サウンドコントローラー RPNインクリメント、デクリメント NRPN LSB、MSB RPN LSB、MSB
プログラムチェンジ	設定可能範囲	○ 0 ~ 127 *****	○ 0 ~ 127	
システムエクスクルーシブ		○	○	
コモン	ソングポジション ソングセレクト チューン	× × ×	× × ×	
リアルタイム	クロック コマンド	○ ○	× ○	
Aux メッセージ	オールサウンドオフ リセットオールコントロール ローカルオン/オフ オールノートオフ アクティブセンシング リセット	× × × × ○ ×	○ (120,126,127) ○ (121) ○ (122) ○ (123 ~ 125) ○ ×	
備考	*1 ピアノとハーブシコードの一部の音色では、ピッチベンド幅の設定どおりに音の高さに変化しない場合があります。			

モード1 : オムニ・オン、ポリ
モード3 : オムニ・オフ、ポリ

モード2 : オムニ・オン、モノ
モード4 : オムニ・オフ、モノ

○ : あり
× : なし

