

MIDI Implementation

Model: JUNO-D
Date: Sep. 24, 2024
Version: 1.10

1. Data Reception

■ Channel Voice Messages

● Note off

Status	2nd byte	3rd byte
8nH	kkH	vvH
9nH	kkH	00H

n = MIDI channel number: 0H - FH (ch. 1 - 16)
kk = note number: 00H - 7FH (0 - 127)
vv = note off velocity: 00H - 7FH (0 - 127)

● Note on

Status	2nd byte	3rd byte
9nH	kkH	vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
kk = note number: 00H - 7FH (0 - 127)
vv = note on velocity: 01H - 7FH (1 - 127)

● Polyphonic Key Pressure

Status	2nd byte	3rd byte
AnH	kkH	vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
kk = note number: 00H - 7FH (0 - 127)
vv = Polyphonic Key Pressure: 00H - 7FH (0 - 127)

* Not received when the Rx Poly Key Pressure parameter (SCENE EDIT : PART : MIDI) is OFF.

● Control Change

* If you select a controller number that corresponds to a Control 1-4 Source parameter (SYSTEM EDIT:COMMON: MIDI), the respective effect is applied according to the setting.

* If you select a controller number that corresponds to an MFX CTRL 1-4 Source parameter, the respective effect is applied according to the setting.

* If you select a controller number that corresponds to a MATRIX CTRL 1-4 Source parameter, the respective effect is applied according to the setting.

○ Bank Select (Controller number 0, 32)

Status	2nd byte	3rd byte
BnH	00H	mmH
BnH	20H	lH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
mm, lH = Bank number: 00 00H - 7F 7FH (bank. 1 - bank. 16384)

* Not received when the Rx Bank Select parameter (SYSTEM EDIT : COMMON : MIDI) is OFF.

* Not received when the Rx Bank Select parameter (SCENE EDIT : PART : MIDI) is OFF.

The Scenes corresponding to each Bank Select are as follows.

BANK SELECT		PROGRAM NUMBER	GROUP	NUMBER
MSB	LSB			
085	064	001 - 128	PR-A	001 - 128
085	065	001 - 128	PR-B	001 - 128
085	066	001 - 073	PR-C	001 - 073
085	000	001 - 128	USER	001 - 128

The Tones corresponding to each Bank Select are as follows.

BANK SELECT		PROGRAM NUMBER	GROUP	NUMBER
MSB	LSB			
071	109	001 - 128	PR-A	0001 - 0128
071	110	001 - 128	:	0129 - 0256
071	111	001 - 128	:	0257 - 0384
071	112	001 - 067	:	0385 - 0451
087	064	001 - 128	RR-B	0001 - 0128
087	065	001 - 128	:	0129 - 0256
087	066	001 - 128	:	0257 - 0384
087	067	001 - 075	:	0385 - 0459
087	068	001 - 128	PR-C	0001 - 0128
087	069	001 - 128	PR-D	0001 - 0128
087	070	001 - 128	:	0129 - 0256

087	071	001 - 128	:	0257 - 0384
087	072	001 - 128	:	0385 - 0512
087	073	001 - 128	:	0513 - 0640
087	074	001 - 128	:	0641 - 0768
087	075	001 - 128	:	0769 - 0896
087	076	001 - 128	:	0897 - 1024
087	077	001 - 085	:	1025 - 1109
087	078	001 - 128	PR-E	0001 - 0128
087	079	001 - 128	:	0129 - 0256
087	080	001 - 128	:	0257 - 0384
087	081	001 - 128	:	0385 - 0512
087	082	001 - 128	:	0513 - 0640
087	083	001 - 128	:	0641 - 0768
087	084	001 - 128	:	0769 - 0896
087	085	001 - 128	COMMON	0001 - 0128
087	086	001 - 128	:	0129 - 0256
087	087	001 - 128	:	0257 - 0384
087	088	001 - 128	:	0385 - 0512
087	089	001 - 128	:	0513 - 0640
087	090	001 - 128	:	0641 - 0768
087	091	001 - 069	:	0769 - 0837
071	024	001 - 128	USER	0001 - 0128

The Drum Kits corresponding to each Bank Select are as follows.

BANK	SELECT	PROGRAM	GROUP	NUMBER
MSB	LSB	NUMBER		
070	074	001 - 037	PR-A	001 - 037
086	065	001 - 074	COMMON	001 - 074
070	007	001 - 016	USER	001 - 016

○Modulation (Controller number 1)

Status 2nd byte 3rd byte

BnH 01H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Modulation depth: 00H - 7FH (0 - 127)

* Not received when the Rx Modulation parameter (SCENE EDIT : PART : MIDI) is OFF.

○Breath type (Controller number 2)

Status 2nd byte 3rd byte

BnH 02H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Control value: 00H - 7FH (0 - 127)

○Foot type (Controller number 4)

Status 2nd byte 3rd byte

BnH 04H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Control value: 00H - 7FH (0 - 127)

○Portamento Time (Controller number 5)

Status 2nd byte 3rd byte

BnH 05H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Portamento Time: 00H - 7FH (0 - 127)

* The Portamento Time parameter (SCENE EDIT : PART : PITCH) will change.

○Data Entry (Controller number 6, 38)

Status 2nd byte 3rd byte

BnH 06H mmH
BnH 26H llH

n = MIDI channel number: 0H - FH (ch.1 - 16)

mm, ll = the value of the parameter specified by RPN/NRPN

mm = MSB, ll = LSB

○Volume (Controller number 7)

Status 2nd byte 3rd byte

BnH 07H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Volume: 00H - 7FH (0 - 127)

* Not received when the Rx Volume parameter (SCENE EDIT : PART : MIDI) is OFF.

* The Part Level parameter (SCENE EDIT : PART : TONE) will change.

OPanpot (Controller number 10)

Status 2nd byte 3rd byte

BnH 0AH vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Panpot: 00H - 40H - 7FH (Left - Center - Right)

* Not received when the Rx Pan parameter (SCENE EDIT : PART : MIDI) is OFF.

* The Pan parameter (SCENE EDIT : PART : TONE) will change.

OExpression (Controller number 11)

Status 2nd byte 3rd byte

BnH 0BH vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Expression: 00H - 7FH (0 - 127)

* Not received when the Rx Expression parameter (SCENE EDIT : PART : MIDI) is OFF.

OGeneral Purpose Controller 1 (Controller number 16)

Status 2nd byte 3rd byte

BnH 10H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Control value: 00H - 7FH (0 - 127)

OGeneral Purpose Controller 2 (Controller number 17)

Status 2nd byte 3rd byte

BnH 11H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Control value: 00H - 7FH (0 - 127)

OGeneral Purpose Controller 3 (Controller number 18)

Status 2nd byte 3rd byte

BnH 12H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Control value: 00H - 7FH (0 - 127)

OGeneral Purpose Controller 4 (Controller number 19)

Status 2nd byte 3rd byte

BnH 13H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Control value: 00H - 7FH (0 - 127)

OHold 1 (Controller number 64)

Status 2nd byte 3rd byte

BnH 40H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Control value: 00H - 7FH (0 - 127) 0-63 = OFF, 64-127 = ON

* Not received when the Rx Hold-1 parameter (SCENE EDIT : PART : MIDI) is OFF.

OPortamento (Controller number 65)

Status 2nd byte 3rd byte

BnH 41H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Control value: 00H - 7FH (0 - 127) 0 - 63 = OFF, 64 - 127 = ON

* The Portamento Switch parameter (SCENE EDIT : PART : PITCH) will change.

OSostenuto (Controller number 66)

Status 2nd byte 3rd byte

BnH 42H vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)

vv = Control value: 00H - 7FH (0 - 127) 0 - 63 = OFF, 64 - 127 = ON

OSoft (Controller number 67)

Status 2nd byte 3rd byte

BnH 43H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

○Legato Foot Switch (Controller number 68)
Status 2nd byte 3rd byte

BnH 44H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127) 0 - 63 = OFF, 64 - 127 = ON

* The Legato Switch parameter (SCENE EDIT : PART : PITCH) will change.

○Resonance (Controller number 71)
Status 2nd byte 3rd byte

BnH 47H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Resonance value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

* The Resonance Offset parameter (SCENE EDIT : PART : OFFSET) will change.

○Release Time (Controller number 72)
Status 2nd byte 3rd byte

BnH 48H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Release Time value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

* The Release Offset parameter (SCENE EDIT : PART : OFFSET) will change.

○Attack time (Controller number 73)
Status 2nd byte 3rd byte

BnH 49H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Attack time value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

* The Attack Time Offset parameter (SCENE EDIT : PART : OFFSET) will change.

○Cutoff (Controller number 74)
Status 2nd byte 3rd byte

BnH 4AH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Cutoff value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

* The Cutoff Offset parameter (SCENE EDIT : PART : OFFSET) will change.

○Decay Time (Controller number 75)
Status 2nd byte 3rd byte

BnH 4BH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Decay Time value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

* The Decay Time Offset parameter (SCENE EDIT : PART : OFFSET) will change.

○Vibrato Rate (Controller number 76)
Status 2nd byte 3rd byte

BnH 4CH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Vibrato Rate value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

* The Vibrato Rate parameter (SCENE EDIT : PART : OFFSET) will change.

○Vibrato Depth (Controller number 77)
Status 2nd byte 3rd byte

BnH 4DH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Vibrato Depth Value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

* The Vibrato Depth parameter (SCENE EDIT : PART : OFFSET) will change.

○Vibrato Delay (Controller number 78)
Status 2nd byte 3rd byte

BnH 4EH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Vibrato Delay value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

* The Vibrato Delay parameter (SCENE EDIT : PART : OFFSET) will change.

○General Purpose Controller 5 (Controller number 80)
Status 2nd byte 3rd byte

BnH 50H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

○General Purpose Controller 6 (Controller number 81)
Status 2nd byte 3rd byte

BnH 51H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

○General Purpose Controller 7 (Controller number 82)
Status 2nd byte 3rd byte

BnH 52H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

○General Purpose Controller 8 (Controller number 83)
Status 2nd byte 3rd byte

BnH 53H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

○Portamento control (Controller number 84)
Status 2nd byte 3rd byte

BnH 54H kkH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
kk = source note number: 00H - 7FH (0 - 127)

* A Note-on received immediately after a Portamento Control message will change continuously in pitch, starting from the pitch of the Source Note Number.
* If a voice is already sounding for a note number identical to the Source Note Number, this voice will continue sounding (i.e., legato) and will, when the next Note-on is received, smoothly change to the pitch of that Note-on.
* The rate of the pitch change caused by Portamento Control is determined by the Portamento Time value.

○General Purpose Effect 1 (Reverb Send Level) (Controller number 91)
Status 2nd byte 3rd byte

BnH 5BH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Reverb Send Level: 00H - 7FH (0 - 127)

* The Reverb Send parameter (SCENE EDIT : PART : TONE) will change.

○General Purpose Effect 3 (Chorus Send Level) (Controller number 93)
Status 2nd byte 3rd byte

BnH 5DH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Chorus Send Level: 00H - 7FH (0 - 127)

* The Chorus Send parameter (SCENE EDIT : PART : TONE) will change.

○RPN MSB/LSB (Controller number 100, 101)
Status 2nd byte 3rd byte

BnH 65H mmH
BnH 64H llH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
mm = upper byte (MSB) of parameter number specified by RPN
ll = lower byte (LSB) of parameter number specified by RPN

<<< RPN >>>

Control Changes include RPN (Registered Parameter Numbers), which are extended.
When using RPNs, first RPN (Controller numbers 100 and 101; they can be sent in any order) should be sent in

order to select the parameter, then Data Entry (Controller numbers 6 and 38) should be sent to set the value. Once RPN messages are received, Data Entry messages that is received at the same MIDI channel after that are recognized as changing toward the value of the RPN messages. In order not to make any mistakes, transmitting RPN Null is recommended after setting parameters you need.

This device receives the following RPNs.

RPN MSB, LSB	Data entry MSB, LSB	Notes
00H, 00H	mmH, llH	Pitch Bend Sensitivity mm: 00H - 18H (0 - 24 semitones) ll: ignored (processed as 00H) Up to 2 octave can be specified in semitone steps.

* The Bend Range parameter (SCENE EDIT:ZONE EDIT:PITCH) will change.

RPN MSB, LSB	Data entry MSB, LSB	Notes
00H, 01H	mmH, llH	Channel Fine Tuning mm, ll: 20 00H - 40 00H - 60 00H (-4096 x 100 / 8192 - 0 - +4096 x 100 / 8192 cent)

* The Fine Tune parameter (SCENE EDIT:ZONE EDIT:INTERNAL) will change.

RPN MSB, LSB	Data entry MSB, LSB	Notes
00H, 02H	mmH, llH	Channel Coarse Tuning mm: 10H - 40H - 70H (-48 - 0 - +48 semitones) ll: ignored (processed as 00H)

* The Coarse Tune parameter (SCENE EDIT:ZONE EDIT:INTERNAL) will change.

RPN MSB, LSB	Data entry MSB, LSB	Notes
7FH, 7FH	---, ---	RPN null RPN and NRPN will be set as "unspecified." Once this setting has been made, subsequent Parameter values that were previously set will not change. mm, ll: ignored

●Program Change
Status 2nd byte

CnH ppH

n = MIDI channel number: 0H - FH (ch.1 - 16)
pp = Program number: 00H - 7FH (prog.1 - prog.128)

* Not received when the Rx Program Change parameter (SYSTEM:PART:MIDI) is OFF.

●Channel Pressure
Status 2nd byte

DnH vvH

n = MIDI channel number: 0H - FH (ch.1 - 16)
vv = Channel Pressure: 00H - 7FH (0 - 127)

* Not received when the Rx Channel Pressure parameter (SYSTEM:PART:MIDI) is OFF.

●Pitch Bend Change
Status 2nd byte 3rd byte

EnH llH mmH

n = MIDI channel number: 0H - FH (ch.1 - 16)
mm, ll = Pitch Bend value: 00 00H - 40 00H - 7F 7FH (-8192 - 0 - +8191)

* Not received when the Rx Pitch Bend parameter (SYSTEM:PART:MIDI) is OFF.

■Channel Mode Messages

●All Sounds Off (Controller number 120)
Status 2nd byte 3rd byte

BnH 78H 00H

n = MIDI channel number: 0H - FH (ch.1 - 16)

* When this message is received, all notes currently sounding on the corresponding channel will be turned off.

●Reset All Controllers (Controller number 121)
Status 2nd byte 3rd byte

BnH 79H 00H

n = MIDI channel number: 0H - FH (ch.1 - 16)

* When this message is received, the following controllers will be set to their reset values.

Controller	Reset value
Pitch Bend Change	+/-0 (center)
Polyphonic Key Pressure	0 (off)

Channel Pressure	0 (off)
Modulation	0 (off)
Breath Type	0 (min)
Foot Type	0 (min)
Expression	127 (max)
	However the controller will be at minimum.
Hold 1	0 (off)
Sostenuto	0 (off)
Soft	0 (off)
RPN	unset: previously set data will not change
NRPN	unset: previously set data will not change

●All Notes Off (Controller number 123)

Status	2nd byte	3rd byte

BnH	7BH	00H

n = MIDI channel number: 0H - FH (ch. 1 - 16)

* When All Notes Off is received, all notes on the corresponding channel will be turned off. However, if Hold 1 or Sostenuto is ON, the sound will be continued until these are turned off.

●OMNI OFF (Controller number 124)

Status	2nd byte	3rd byte

BnH	7CH	00H

n = MIDI channel number: 0H - FH (ch. 1 - 16)

* The same processing will be carried out as when All Notes Off is received.

●OMNI ON (Controller number 125)

Status	2nd byte	3rd byte

BnH	7DH	00H

n = MIDI channel number: 0H - FH (ch. 1 - 16)

* The same processing will be carried out as when All Notes Off is received. OMNI ON will not be turned on.

●MONO (Controller number 126)

Status	2nd byte	3rd byte

BnH	7EH	mmH

n = MIDI channel number: 0H - FH (ch. 1 - 16)

mm = mono number: 00H - 10H (0 - 16)

* The same processing will be carried out as when All Notes Off is received.

* The Mono/Poly parameter (SCENE EDIT : PART : PITCH) will change.

●POLY (Controller number 127)

Status	2nd byte	3rd byte

BnH	7FH	00H

n = MIDI channel number: 0H - FH (ch. 1 - 16)

* The same processing will be carried out as when All Notes Off is received.

* The Mono/Poly parameter (SCENE EDIT : PART : PITCH) will change.

■System Realtime Messages

●Timing Clock

Status

F8H

* This message is received depending on the setting of the Sync Mode parameter (SYSTEM EDIT : COMMON : MIDI).

●Start

Status

FAH

* This message is received depending on the setting of the Sync Mode parameter (SYSTEM EDIT : COMMON : MIDI).

* Received when the Rx Start/Stop parameter (SYSTEM EDIT : COMMON : MIDI) is ON.

●Continue

Status

FBH

* This message is received depending on the setting of the Sync Mode parameter (SYSTEM EDIT : COMMON : MIDI).

* Received when the Rx Start/Stop parameter (SYSTEM EDIT : COMMON : MIDI) is ON.

●Stop

Status

FCH

- * This message is received depending on the setting of the Sync Mode parameter (SYSTEM EDIT : COMMON : MIDI).
- * Received when the Rx Start/Stop parameter (SYSTEM EDIT : COMMON : MIDI) is ON.

●Active Sensing

Status

FEH

* When Active Sensing is received, the unit will begin monitoring the intervals of all further messages. While monitoring, if the interval between messages exceeds 420 ms, the same processing will be carried out as when All Sounds Off, All Notes Off and Reset All Controllers are received, and message interval monitoring will be halted.

■System Exclusive Message

Status	Data byte	Status
F0H	iiH, ddH, , eeH	F7H

F0H: System Exclusive Message status
ii = ID number: an ID number (manufacturer ID) to indicate the manufacturer whose Exclusive message this is. Roland's manufacturer ID is 41H. ID numbers 7EH and 7FH are extensions of the MIDI standard; Universal Non-realtime Messages (7EH) and Universal Realtime Messages (7FH).
dd, ..., ee = data: 00H - 7FH (0 - 127)
F7H: EOX (End Of Exclusive)

Of the System Exclusive messages received by this device, the Universal Non-realtime System Exclusive messages and the Universal Realtime System Exclusive messages and the Data Request 1 (RQ1) messages and the Data Set 1 (DT1) messages will be set automatically.

●Universal Non-realtime System Exclusive Messages

○Identity Request Message

Status	Data byte	Status
F0H	7EH, dev, 06H, 01H	F7H

Byte Explanation

F0H Exclusive status
7EH ID number (Universal Non-realtime Message)
dev Device ID (dev: 10H - 1FH, 7FH)
06H Sub ID#1 (General Information)
01H Sub ID#2 (Identity Request)
F7H EOX (End Of Exclusive)

* When this message is received, Identity Reply message will be transmitted.

●Universal Realtime System Exclusive Messages

○Master Volume

Status	Data byte	Status
F0H	7FH, 7FH, 04H, 01H, 11H, mmH	F7H

Byte Explanation

F0H Exclusive status
7FH ID number (universal realtime message)
7FH Device ID (Broadcast)
04H Sub ID#1 (Device Control)
01H Sub ID#2 (Master Volume)
11H Master Volume lower byte
mmH Master Volume upper byte
F7H EOX (End Of Exclusive)

- * The lower byte (11H) of Master Volume will be handled as 00H.
- * The Master Volume will change.

○Master Fine Tuning

Status	Data byte	Status
F0H	7FH, 7FH, 04H, 03H, 11H, mmH	F7H

Byte Explanation

F0H Exclusive status
7FH ID number (universal realtime message)
7FH Device ID (Broadcast)
04H Sub ID#1 (Device Control)
03H Sub ID#2 (Master Fine Tuning)
11H Master Fine Tuning LSB
mmH Master Fine Tuning MSB
F7H EOX (End Of Exclusive)

mm, 11: 00 00H - 40 00H - 7F 7FH (-100 - 0 - +99.9 [cents])

* The Master Tune parameter (SYSTEM EDIT : COMMON : COMMON) will change.

○Master Coarse Tuning		Status
Status	Data byte	Status
FOH	7FH, 7FH, 04H, 04H, 11H, mmH	F7

Byte	Explanation
FOH	Exclusive status
7FH	ID number (universal realtime message)
7FH	Device ID (Broadcast)
04H	Sub ID#1 (Device Control)
04H	Sub ID#2 (Master Coarse Tuning)
11H	Master Coarse Tuning LSB
mmH	Master Coarse Tuning MSB
F7H	EOX (End Of Exclusive)

mmH: 28H - 40H - 58H (-24 - 0 - +24 [semitones])

11H: ignored (processed as 00H)

* The Master Key Shift parameter (SYSTEM EDIT : COMMON : COMMON) will change.

●Global Parameter Control

○Scale/Octave Tuning Adjust		Status
Status	Data byte	Status
FOH	7EH, 7FH, 08H, 08H, ffH, ggH, hhH, ssH...	F7

Byte	Explanation
FOH	Exclusive status
7EH	ID number (Universal Non-realtime Message)
7FH	Device ID (Broadcast)
08H	Sub ID#1 (MIDI Tuning Standard)
08H	Sub ID#2 (scale/octave tuning 1-byte form)
ffH	Channel/Option byte 1
	bits 0 to 1 = channel 15 to 16
	bit 2 to 6 = Undefined
ggH	Channel byte 2
	bits 0 to 6 = channel 8 to 14
hhH	Channel byte 3
	bits 0 to 6 = channel 1 to 7
ssH	12 byte tuning offset of 12 semitones from C to B
	00H = -64 [cents]
	40H = 0 [cents] (equal temperament)
	7FH = +63 [cents]
F7H	EOX (End Of Exclusive)

●Data Transmission

This instrument can use exclusive messages to exchange many varieties of internal settings with other devices. The model ID of the exclusive messages used by this instrument is 01H 05H 0AH.

○Data Request 1 (RQ1)

This message requests the other device to transmit data. The address and size indicate the type and amount of data that is requested.

When a Data Request message is received, if the device is in a state in which it is able to transmit data, and if the address and size are appropriate, the requested data is transmitted as a Data Set 1 (DT1) message. If the conditions are not met, nothing is transmitted.

Status	Data byte	Status
FOH	41H, dev, 01H 05H 0AH, 11H, aaH, bbH, ccH, ddH, ssH, ttH, uuH, vvH, sum	F7H

Byte	Remarks
FOH	Exclusive status
41H	ID number (Roland)
dev	device ID (dev: 10H - 1FH, 7FH)
01H	model ID #1 (JUNO-D)
05H	model ID #2 (JUNO-D)
0AH	model ID #3 (JUNO-D)
11H	command ID (RQ1)
aaH	address MSB
bbH	address
ccH	address
ddH	address LSB
ssH	size MSB
ttH	size
uuH	size
vvH	size LSB
sum	checksum

F7H EOX (End Of Exclusive)

* The size of data that can be transmitted at one time is fixed for each type of data. And data requests must be made with a fixed starting address and size. Refer to the address and size given in "Parameter Address Map".

* For the checksum, refer to "How to calculate the checksum".

* Not received when the Rx Exclusive parameter (SYSTEM EDIT : COMMON : MIDI) is OFF.

○Data Set 1 (DT1)

This is the message that actually performs data transmission, and is used when you wish to transmit the data.

Status	Data byte	Status
FOH	41H, dev, 01H, 05H, 0AH, 12H, aaH, bbH, ccH, ddH, eeH, ... ffH, sum	F7H

Byte	Explanation
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FOH	Exclusive status
41H	ID number (Roland)
dev	Device ID (dev: 10H - 1FH, 7FH)
01H	Model ID #1 (JUNO-D)
05H	Model ID #2 (JUNO-D)
0AH	model ID #3 (JUNO-D)
12H	Command ID (DT1)
aaH	Address MSB: upper byte of the starting address of the data to be sent
bbH	Address: upper middle byte of the starting address of the data to be sent
ccH	Address: lower middle byte of the starting address of the data to be sent
ddH	Address LSB: lower byte of the starting address of the data to be sent.
eeH	Data: the actual data to be sent. Multiple bytes of data are transmitted in order starting from the address.
.	.
ffH	Data
sum	Checksum
F7H	EOX (End Of Exclusive)

* The amount of data that can be transmitted at one time depends on the type of data, and data will be transmitted from the specified starting address and size. Refer to the address and size given in "Parameter Address Map".

* Data larger than 256 bytes will be divided into packets of 256 bytes or less, and each packet will be sent at an interval of about 20 ms.

* Regarding the checksum, please refer to "How to calculate the checksum".

* Not received when the Rx Exclusive parameter (SYSTEM EDIT : COMMON : MIDI) is OFF.

2. Data Transmission

■Channel Voice Messages

●Note off

Status	2nd byte	3rd byte
8nH	kkH	vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)

kk = note number: 00H - 7FH (0 - 127)

vv = note off velocity: 00H - 7FH (0 - 127)

●Note on

Status	2nd byte	3rd byte
9nH	kkH	vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)

kk = note number: 00H - 7FH (0 - 127)

vv = note on velocity: 01H - 7FH (1 - 127)

●Control Change

* By selecting a controller number that corresponds to the setting of parameters of controllers, the JUNO-D can transmit any control change message.

○Bank Select (Controller number 0, 32)

Status	2nd byte	3rd byte
BnH	00H	mmH
BnH	20H	llH

n = MIDI channel number: 0H - FH (ch. 1 - 16)

mm, ll = Bank number: 00 00H - 7F 7FH (bank. 1 - bank. 16384)

* These messages are transmitted when Scene or Tone or Drum Kit is selected. But not transmitted when Tx Program Change or Tx Bank Select parameter (SYSTEM EDIT : COMMON : MIDI) is OFF.

○Modulation (Controller number 1)

Status	2nd byte	3rd byte
BnH	01H	vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Modulation depth: 00H - 7FH (0 - 127)

OBreath type (Controller number 2)
Status 2nd byte 3rd byte

BnH 02H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

OFoot type (Controller number 4)
Status 2nd byte 3rd byte

BnH 04H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

OPortamento Time (Controller number 5)
Status 2nd byte 3rd byte

BnH 05H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Portamento Time: 00H - 7FH (0 - 127)

OData Entry (Controller number 6, 38)
Status 2nd byte 3rd byte

BnH 06H mmH
BnH 26H llH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
mm, ll = the value of the parameter specified by RPN/NRPN
mm = MSB, ll = LSB

OVolume (Controller number 7)
Status 2nd byte 3rd byte

BnH 07H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Volume: 00H - 7FH (0 - 127)

OPanpot (Controller number 10)
Status 2nd byte 3rd byte

BnH 0AH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Panpot: 00H - 40H - 7FH (Left - Center - Right)

OExpression (Controller number 11)
Status 2nd byte 3rd byte

BnH 0BH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Expression: 00H - 7FH (0 - 127)

OGeneral Purpose Controller 1 (Controller number 16)
Status 2nd byte 3rd byte

BnH 10H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

OGeneral Purpose Controller 2 (Controller number 17)
Status 2nd byte 3rd byte

BnH 11H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

OGeneral Purpose Controller 3 (Controller number 18)
Status 2nd byte 3rd byte

BnH 12H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

OGeneral Purpose Controller 4 (Controller number 19)
Status 2nd byte 3rd byte

BnH 13H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

OHold 1 (Controller number 64)

Status 2nd byte 3rd byte

BnH 40H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127) 0-63 = OFF, 64-127 = ON

OPortamento (Controller number 65)

Status 2nd byte 3rd byte

BnH 41H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127) 0-63 = OFF, 64-127 = ON

OSostenuto (Controller number 66)

Status 2nd byte 3rd byte

BnH 42H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

OSoft (Controller number 67)

Status 2nd byte 3rd byte

BnH 43H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

OLegato Foot Switch (Controller number 68)

Status 2nd byte 3rd byte

BnH 44H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

OResonance (Controller number 71)

Status 2nd byte 3rd byte

BnH 47H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Resonance value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

ORelease Time (Controller number 72)

Status 2nd byte 3rd byte

BnH 48H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Release Time value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

OAttack time (Controller number 73)

Status 2nd byte 3rd byte

BnH 49H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Attack time value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

OCutoff (Controller number 74)

Status 2nd byte 3rd byte

BnH 4AH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Cutoff value (relative change): 00H - 40H - 7FH (-64 - 0 - +63)

OGeneral Purpose Controller 5 (Controller number 80)

Status 2nd byte 3rd byte

BnH 50H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

OGeneral Purpose Controller 6 (Controller number 81)

Status 2nd byte 3rd byte

BnH 51H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

○General Purpose Controller 7 (Controller number 82)

Status 2nd byte 3rd byte

BnH 52H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

○General Purpose Controller 8 (Controller number 83)

Status 2nd byte 3rd byte

BnH 53H vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Control value: 00H - 7FH (0 - 127)

○Portamento control (Controller number 84)

Status 2nd byte 3rd byte

BnH 54H kkH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
kk = source note number: 00H - 7FH (0 - 127)

○General Purpose Effect 1 (Reverb Send Level) (Controller number 91)

Status 2nd byte 3rd byte

BnH 5BH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Reverb Send Level: 00H - 7FH (0 - 127)

○General Purpose Effect 3 (Chorus Send Level) (Controller number 93)

Status 2nd byte 3rd byte

BnH 5DH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Chorus Send Level: 00H - 7FH (0 - 127)

○General Controller

Status 2nd byte 3rd byte

BnH kkH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
kk = Controller number: 00H - 77H (0 - 31, 33 - 95)
vv = Control value: 00H - 7FH (0 - 127)

●Program Change

Status 2nd byte

CnH ppH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
pp = Program number: 00H - 7FH (prog. 1 - prog. 128)

* These messages are transmitted when Scene or Tone of Drum Kit is selected. But not transmitted when Tx Program Change parameter (SYSTEM EDIT: COMMON: MIDI) is OFF.

●Channel Pressure

Status 2nd byte

DnH vvH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
vv = Channel Pressure: 00H - 7FH (0 - 127)

●Pitch Bend Change

Status 2nd byte 3rd byte

EnH llH mmH

n = MIDI channel number: 0H - FH (ch. 1 - 16)
mm, ll = Pitch Bend value: 00 00H - 40 00H - 7F 7FH (-8192 - 0 - +8191)

■Channel Mode Messages

●Reset All Controllers (Controller number 121)

Status 2nd byte 3rd byte

BnH 79H 00H

n = MIDI channel number: 0H - FH (ch.1 - 16)

* This message is transmitted when the step sequencer is stopped.

■System Realtime Messages

●Timing Clock
Status

F8H

* This message is transmitted depending on the setting of the Sync Out parameter (SYSTEM EDIT : COMMON : MIDI).

●Start
Status

FAH

* This message is transmitted depending on the setting of the Sync Out parameter (SYSTEM EDIT : COMMON : MIDI).

●Stop
Status

FCH

* This message is transmitted depending on the setting of the Sync Out parameter (SYSTEM EDIT : COMMON : MIDI).

●Active Sensing
Status

FEH

* This message is transmitted at intervals of approximately 250 msec.

■System Exclusive Messages

Universal Non-realtime System Exclusive Message and Data Set 1 (DT1) are the only System Exclusive messages transmitted by the JUNO-D.

●Universal Non-realtime System Exclusive Message

○Identity Reply Message (JUNO-D6)

Receiving Identity Request Message, the JUNO-D6 send this message.

Status	Data byte	Status
F0H	7EH, dev, 06H, 02H, 41H, 0AH, 05H, 00H, 00H, 00H, 03H, 00H, 00H	F7H

Byte	Explanation
F0H	Exclusive status
7EH	ID number (Universal Non-realtime Message)
dev	Device ID (dev: 10H - 1FH)
06H	Sub ID#1 (General Information)
02H	Sub ID#2 (Identity Reply)
41H	ID number (Roland)
0AH 05H	Device family code
00H 00H	Device family number code
00H 03H 00H 00H	Software revision level
F7H	E0X (End of Exclusive)

○Identity Reply Message (JUNO-D7)

Receiving Identity Request Message, the JUNO-D7 send this message.

Status	Data byte	Status
F0H	7EH, dev, 06H, 02H, 41H, 0AH, 05H, 00H, 00H, 01H, 03H, 00H, 00H	F7H

Byte	Explanation
F0H	Exclusive status
7EH	ID number (Universal Non-realtime Message)
dev	Device ID (dev: 10H - 1FH)
06H	Sub ID#1 (General Information)
02H	Sub ID#2 (Identity Reply)
41H	ID number (Roland)
0AH 05H	Device family code
00H 00H	Device family number code
01H 03H 00H 00H	Software revision level
F7H	E0X (End of Exclusive)

○Identity Reply Message (JUNO-D8)

Receiving Identity Request Message, the JUNO-D8 send this message.

Status	Data byte	Status
FOH	7EH, dev, 06H, 02H, 41H, 0AH, 05H, 00H, 00H, 02H, 03H, 00H, 00H	F7H

Byte	Explanation
FOH	Exclusive status
7EH	ID number (Universal Non-realtime Message)
dev	Device ID (dev: 10H - 1FH)
06H	Sub ID#1 (General Information)
02H	Sub ID#2 (Identity Reply)
41H	ID number (Roland)
0AH 05H	Device family code
00H 00H	Device family number code
02H 03H 00H 00H	Software revision level
F7H	E0X (End of Exclusive)

●Data Transmission

○Data Set 1 (DT1)	Status	Data byte	Status
FOH	41H, dev, 01H, 05H, 0AH, 12H, aaH, bbH, ccH, ddH, eeH, ... ffH, sum	F7H	

Byte	Explanation
FOH	Exclusive status
41H	ID number (Roland)
dev	Device ID (dev: 10H - 1FH, 7FH)
00H	Model ID #1 (JUNO-D)
00H	Model ID #2 (JUNO-D)
00H	model ID #3 (JUNO-D)
12H	Command ID (DT1)
aaH	Address MSB: upper byte of the starting address of the data to be sent
bbH	Address: upper middle byte of the starting address of the data to be sent
ccH	Address: lower middle byte of the starting address of the data to be sent
ddH	Address LSB: lower byte of the starting address of the data to be sent.
eeH	Data: the actual data to be sent. Multiple bytes of data are transmitted in order starting from the address.
:	:
ffH	Data
sum	Checksum
F7H	E0X (End Of Exclusive)

* The amount of data that can be transmitted at one time depends on the type of data, and data will be transmitted from the specified starting address and size. Refer to the address and size given in "Parameter Address Map".

* Data larger than 256 bytes will be divided into packets of 256 bytes or less, and each packet will be sent at an interval of about 20 ms.

3. Parameter Address Map

* Transmission of "#" marked address is divided to some packets. For example, ABH in hexadecimal notation will be divided to 0AH and 0BH, and is sent/received in this order.

* "<*>" marked address or parameters are ignored when the JUNO-D received them.

JUNO-D (ModelID = 01H 05H 0AH)

Start Address	Description
00 00 00 00	System [System]
00 10 00 00	Setup [Setup]
01 00 00 00	Temporary Scene [Scene]
02 00 00 00	Temporary Tone (Part 1) [Tone]
02 01 00 00	Temporary Tone (Part 2) [Tone]
:	:
02 06 00 00	Temporary Tone (Part 7) [Tone]
03 00 00 00	Temporary Drum Kit [Drum Kit]
03 30 00 00	Temporary Drum Kit Inst [Drum Kit Inst]

* [System]

Offset Address	Description
00 00 00	System Common [System Common]

00 01 00	System Control	[System Control]
00 02 00	System Chorus	[Chorus]
00 03 00	System Reverb	[Reverb]
00 04 00	System EQ	[System EQ]

* [Scene]

Offset Address	Description	
00 00 00	Scene Common	[Scene Common]
00 01 00	Scene Part (Part 1)	[Scene Part]
00 02 00	Scene Part (Part 2)	[Scene Part]
⋮		
00 08 00	Scene Part (Part R)	[Scene Part]
00 09 00	Scene EQ (Part 1)	[Scene EQ]
00 0A 00	Scene EQ (Part 2)	[Scene EQ]
⋮		
00 10 00	Scene EQ (Part R)	[Scene EQ]
00 11 00	Scene MFX (Part 1)	[MFX]
00 13 00	Scene MFX (Part 2)	[MFX]
⋮		
00 1F 00	Scene MFX (Part R)	[MFX]
00 21 00	Scene Zone (Part 1)	[Scene Zone]
00 22 00	Scene Zone (Part 2)	[Scene Zone]
⋮		
00 28 00	Scene Zone (Part R)	[Scene Zone]
00 29 00	Scene IFX	[MFX]
00 2B 00	Scene Chorus	[Chorus]
00 2C 00	Scene Reverb	[Reverb]
00 2D 00	Scene Vocoder	[Vocoder]
00 2E 00	Scene Arpeggio Common	[Arpeggio Common]
00 2F 00	Scene Arpeggio Part 1	[Arpeggio Part]
00 30 00	Scene Arpeggio Part 2	[Arpeggio Part]
⋮		
00 36 00	Scene Arpeggio Part R	[Arpeggio Part]
00 37 00	Scene Sequencer	[Sequencer]
00 39 00	Scene Sequencer	[Sequencer]
⋮		
00 45 00	Scene Sequencer	[Sequencer]
00 47 00	Scene Sequencer Data	[Sequencer Data]
00 67 00	Scene Sequencer Data	[Sequencer Data]
⋮		
02 27 00	Scene Sequencer Data	[Sequencer Data]

* [Tone]

Offset Address	Description	
00 00 00	Tone Common	[Tone Common]
00 01 00	Tone MFX	[MFX]
00 10 00	Tone PMT	[Tone PMT]
00 20 00	Tone Partial 1	[Tone Partial]
00 21 00	Tone Partial 2	[Tone Partial]
⋮		
00 23 00	Tone Partial 4	[Tone Partial]
00 24 00	Partial Pitch Env 1	[Partial Pitch Env]
00 25 00	Partial Pitch Env 2	[Partial Pitch Env]
⋮		
00 27 00	Partial Pitch Env 4	[Partial Pitch Env]
00 28 00	Partial Filter Env 1	[Partial Filter Env]
00 29 00	Partial Filter Env 2	[Partial Filter Env]
⋮		

00 2B 00	Partial Filter Env 4	[Partial Filter Env]
00 2C 00	Partial Amp Env 1	[Partial Amp Env]
00 2D 00	Partial Amp Env 2	[Partial Amp Env]
⋮		
00 2F 00	Partial Amp Env 4	[Partial Amp Env]
00 30 00	Partial LFO 1	[Partial LFO]
00 32 00	Partial LFO 2	[Partial LFO]
⋮		
00 36 00	Partial LFO 4	[Partial LFO]
00 38 00	Partial EQ 1	[Partial EQ]
00 39 00	Partial EQ 2	[Partial EQ]
⋮		
00 3B 00	Partial EQ 4	[Partial EQ]
00 3C 00	Synth Common	[Tone Synth Common]
00 3D 00	Synth PMT	[Tone Synth PMT]
00 3E 00	Synth Partial 1	[Tone Synth Partial]
00 3F 00	Synth Partial 2	[Tone Synth Partial]
⋮		
00 41 00	Synth Partial 4	[Tone Synth Partial]

* [Drum Kit]

Offset Address	Description	
00 00 00	Drum Kit Common	[Drum Kit Common]
00 01 00	Drum Kit MFX	[MFX]
00 10 00	Drum Kit Comp 1	[Drum Kit Comp]
00 11 00	Drum Kit Comp 2	[Drum Kit Comp]
⋮		
00 15 00	Drum Kit Comp 6	[Drum Kit Comp]
00 16 00	Drum Kit Partial (Key# 21)	[Drum Kit Partial]
00 17 00	Drum Kit Partial (Key# 22)	[Drum Kit Partial]
⋮		
00 6D 00	Drum Kit Partial (Key# 108)	[Drum Kit Partial]
00 6E 00	Drum Kit Partial EQ (Key# 21)	[Partial EQ]
00 6F 00	Drum Kit Partial EQ (Key# 22)	[Partial EQ]
⋮		
01 45 00	Drum Kit Partial EQ (Key# 108)	[Partial EQ]

* [Drum Kit Inst]

Offset Address	Description	
00 00 00	Inst Common	[Inst Common]
00 02 00	Inst Pitch Env	[Inst Pitch Env]
00 03 00	Inst Filter Env	[Inst Filter Env]
00 04 00	Inst Amp Env	[Inst Amp Env]

* [Setup]

Offset Address	Description	
00 00	0aaa aaaa	Scene BS MSB (CC# 0) (0 - 127)
00 01	0aaa aaaa	Scene BS LSB (CC# 32) (0 - 127)
00 02	0aaa aaaa	Scene PC (PC) (0 - 127)
00 00 00 03	Total Size	

* [System Common]

Offset Address	Description	
# 00 00	0000 aaaa	
00 01	0000 bbbb	
00 02	0000 cccc	
00 03	0000 dddd	Master Tune (24 - 2024)

			-1000 - 1000
00 04	0aaa aaaa	Master Key Shift	(40 - 88) -24 - 24
00 05	0000 000a	Scale Tune Switch	(0 - 1) OFF, ON
00 06	000a aaaa	Scene Control Channel	(0 - 16) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, OFF
00 07	0000 00aa	Remote Keyboard	(0 - 3) OFF, MIDI IN, USB COM, USB MEM
00 08	0000 000a	Control Source Select	(0 - 1) SYSTEM, SCENE
00 09	0aaa aaaa	System Control Source 1	(0 - 96) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, PITCH BEND, AFTER TOUCH
00 0A	0aaa aaaa	System Control Source 2	(0 - 96) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, PITCH BEND, AFTER TOUCH
00 0B	0aaa aaaa	System Control Source 3	(0 - 96) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, PITCH BEND, AFTER TOUCH
00 0C	0aaa aaaa	System Control Source 4	(0 - 96) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, PITCH BEND, AFTER TOUCH
00 0D	0000 000a	Receive Program Change	(0 - 1) OFF, ON
00 0E	0000 000a	Receive Bank Select	(0 - 1) OFF, ON
00 0F	0000 000a	Receive Start/Stop	(0 - 1) OFF, ON
#	00 10	0000 aaaa	
	00 11	0000 bbbb	
	00 12	0000 cccc	
	00 13	0000 dddd	System Tempo (2000 - 30000)
	00 14	0000 000a	Tempo Source 20.00 - 300.00 (0 - 1) SCENE, SYSTEM
	00 15	0000 000a	Chorus Source (0 - 1) SCENE, SYSTEM
	00 16	0000 000a	Reverb Source (0 - 1) SCENE, SYSTEM
	00 17	0000 000a	Mic Noise Suppressor Switch (0 - 1) OFF, ON
#	00 18	0000 aaaa	
	00 19	0000 bbbb	Mic Noise Suppressor Threshold (-32 - 64) -96 - 0[dB]
	00 1A	0aaa aaaa	Mic Noise Suppressor Release (0 - 127) 0 - 127
	00 1B	0000 000a	Mic Comp Switch (0 - 1) OFF, ON
	00 1C	0aaa aaaa	Mic Comp Attack Time (0 - 100) 0 - 100[msec]
	00 1D	0aaa aaaa	Mic Comp Release Time (0 - 99) 10 - 1000[msec]
	00 1E	0aaa aaaa	Mic Comp Threshold (4 - 64) -60 - 0[dB]

00 1F	0000 0aaa	Mic Comp Ratio	(0 - 7) 1:1, 2:1, 3:1, 4:1, 8:1, 16:1, 32:1, INF:1
00 20	000a aaaa	Mic Comp Knee	(0 - 30) 0 - 30 [dB]
00 21	0aaa aaaa	Mic Comp Output Gain	(16 - 112) -24.0 - +24.0 [dB]
00 22	0000 000a	Mic Reverb Switch	(0 - 1) OFF, ON
00 23	0aaa aaaa	Mic Reverb Level	(0 - 127)
00 24	0000 0aaa	Mic Reverb Type	(0 - 7) ROOM1, ROOM2, ROOM3, HALL1, HALL2, PLATE, DELAY, PAN-DELAY
00 25	0000 0aaa	Mic Reverb Pre-LPF	(0 - 7) 0 - 7
00 26	0aaa aaaa	Mic Reverb Time	(0 - 127)
00 27	0aaa aaaa	Mic Reverb Delay Feedback	(0 - 127)
00 28	0aaa aaaa	USB Audio Input Level	(0 - 127)
00 29	0aaa aaaa	USB Audio Output Level	(0 - 127)
00 2A	0000 000a	Local Switch	(0 - 1) OFF, ON
00 2B	0000 000a	Metronome Switch	(0 - 1) OFF, ON
00 2C	0000 000a	Metronome Type	(0 - 1) TYPE1, TYPE2
00 2D	0aaa aaaa	Metronome Level	(1 - 127)
00 2E	000a aaaa	Metronome Count-In	(0 - 16) OFF, 1 - 16
00 00 00 2F	Total Size		

* [System Control]

Offset Address	Description	
00 00	0000 000a	Transmit Program Change (0 - 1) OFF, ON
00 01	0000 000a	Transmit Bank Select (0 - 1) OFF, ON
00 02	0aaa aaaa	Keyboard Velocity (0 - 127) REAL, 1 - 127
00 03	0000 00aa	Keyboard Velocity Curve (0 - 2) LIGHT, MEDIUM, HEAVY
00 04	0aaa aaaa	Keyboard Velocity Curve Offset (54 - 73) -10 - 9
00 05	0aaa aaaa	Reserved
00 06	0aaa aaaa	Reserved
00 07	0000 0000	Reserved
00 08	0000 0000	Reserved
00 09	0000 0aaa	Pad 1 Part (0 - 7) 1 - 8
00 0A	0000 0aaa	Pad 2 Part (0 - 7) 1 - 8
00 0B	0000 0aaa	Pad 3 Part (0 - 7) 1 - 8
00 0C	0000 0aaa	Pad 4 Part (0 - 7) 1 - 8
00 0D	0000 0aaa	Pad 5 Part (0 - 7) 1 - 8
00 0E	0000 0aaa	Pad 6 Part (0 - 7) 1 - 8
00 0F	0000 0aaa	Pad 7 Part (0 - 7) 1 - 8
00 10	0000 0aaa	Pad 8 Part (0 - 7) 1 - 8
00 11	0aaa aaaa	Pad 1 Note Number (0 - 127) C-1 - G9
00 12	0aaa aaaa	Pad 2 Note Number (0 - 127) C-1 - G9
00 13	0aaa aaaa	Pad 3 Note Number (0 - 127) C-1 - G9
00 14	0aaa aaaa	Pad 4 Note Number (0 - 127) C-1 - G9
00 15	0aaa aaaa	Pad 5 Note Number (0 - 127) C-1 - G9
00 16	0aaa aaaa	Pad 6 Note Number (0 - 127) C-1 - G9
00 17	0aaa aaaa	Pad 7 Note Number (0 - 127) C-1 - G9
00 18	0aaa aaaa	Pad 8 Note Number (0 - 127) C-1 - G9
00 19	0aaa aaaa	Pad 1 Velocity (0 - 127) OFF, 1 - 127
00 1A	0aaa aaaa	Pad 2 Velocity (0 - 127) OFF, 1 - 127
00 1B	0aaa aaaa	Pad 3 Velocity (0 - 127)

00 1C	0aaa aaaa	Pad 4 Velocity	OFF, 1 - 127 (0 - 127)
00 1D	0aaa aaaa	Pad 5 Velocity	OFF, 1 - 127 (0 - 127)
00 1E	0aaa aaaa	Pad 6 Velocity	OFF, 1 - 127 (0 - 127)
00 1F	0aaa aaaa	Pad 7 Velocity	OFF, 1 - 127 (0 - 127)
00 20	0aaa aaaa	Pad 8 Velocity	OFF, 1 - 127 (0 - 127)
00 21	0000 000a	Hold Pedal Source	SCENE, SYSTEM (0 - 1)
00 22	0aaa aaaa	Hold Pedal Function	OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND DOWN, PITCH BEND UP, SCENE DOWN, SCENE UP, START/STOP
00 23	0000 000a	Hold Pedal Polarity	STANDARD, REVERSE (0 - 1)
00 24	0000 000a	Control Pedal Source	SCENE, SYSTEM (0 - 1)
00 25	0aaa aaaa	Control Pedal Function	OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND DOWN, PITCH BEND UP, SCENE DOWN, SCENE UP, START/STOP
00 26	0000 000a	Control Pedal Polarity	STANDARD, REVERSE (0 - 1)
00 27	0000 000a	Knob 1 Source	SCENE, SYSTEM (0 - 1)
00 28	0000 000a	Knob 2 Source	SCENE, SYSTEM (0 - 1)
00 29	0000 000a	Knob 3 Source	SCENE, SYSTEM (0 - 1)
00 2A	0000 000a	Knob 4 Source	SCENE, SYSTEM (0 - 1)
00 2B	0aaa aaaa	Knob 1 Function	OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND DOWN, PITCH BEND UP, MFX, CHORUS/DELAY, REVERB, MIC REVEB, EQ LOW GAIN, EQ MID GAIN, EQ HIGH GAIN, USB AUDIO IN, USB AUDIO OUT
00 2C	0aaa aaaa	Knob 2 Function	OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND DOWN, PITCH BEND UP, MFX, CHORUS/DELAY, REVERB, MIC REVEB, EQ LOW GAIN, EQ MID GAIN, EQ HIGH GAIN, USB AUDIO IN, USB AUDIO OUT
00 2D	0aaa aaaa	Knob 3 Function	OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48,

00 2E	0aaa aaaa	Knob 4 Function (0 - 107) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND DOWN, PITCH BEND UP, MFX, CHORUS/DELAY, REVERB, MIC REVEB, EQ LOW GAIN, EQ MID GAIN, EQ HIGH GAIN, USB AUDIO IN, USB AUDIO OUT
00 2F	0000 000a	Pitch Bend Source (0 - 1) SCENE, SYSTEM
00 30	0aaa aaaa	Pitch Bend Function (0 - 98) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND, ROTARY SPEED
00 31	0000 000a	Modulation Source (0 - 1) SCENE, SYSTEM
00 32	0aaa aaaa	Modulation Function (0 - 99) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND DOWN, PITCH BEND UP, ROTARY SPEED
00 00 00 33	Total Size	

* [System EQ]

Offset Address	Description
00 00	EQ Input Gain (40 - 88) -24 - +24 [dB]
00 01	EQ Low Gain (40 - 88) -24 - +24 [dB]
00 02	EQ Mid1 Gain (40 - 88) -24 - +24 [dB]
00 03	EQ Mid2 Gain (40 - 88) -24 - +24 [dB]
00 04	EQ Mid3 Gain (40 - 88) -24 - +24 [dB]
00 05	EQ High Gain (40 - 88) -24 - +24 [dB]
00 06	EQ Low Frequency (0 - 29) 20, 25, 31, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12600, 16000 [Hz]
00 07	EQ Mid 1 Frequency (0 - 29) 20, 25, 31, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12600, 16000 [Hz]
00 08	EQ Mid 2 Frequency (0 - 29) 20, 25, 31, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12600, 16000 [Hz]
00 09	EQ Mid 3 Frequency (0 - 29) 20, 25, 31, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12600, 16000 [Hz]

00 0A	000a aaaa	EQ High Frequency	(0 - 29) 20, 25, 31, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000, 12600, 16000 [Hz]
00 0B	0000 0aaa	EQ Mid 1 Q	(0 - 5) 0.5, 1.0, 2.0, 4.0, 8.0, 16.0
00 0C	0000 0aaa	EQ Mid 2 Q	(0 - 5) 0.5, 1.0, 2.0, 4.0, 8.0, 16.0
00 0D	0000 0aaa	EQ Mid 3 Q	(0 - 5) 0.5, 1.0, 2.0, 4.0, 8.0, 16.0
00 0E	0000 000a	EQ Switch	(0 - 1) OFF, ON
00 00 00 0F	Total Size		

* [Scene Common]

Offset	Address	Description	
00 00	0aaa aaaa	Name 1	(32 - 127) 32 - 127 [ASCII]
00 01	0aaa aaaa	Name 2	(32 - 127) 32 - 127 [ASCII]
00 02	0aaa aaaa	Name 3	(32 - 127) 32 - 127 [ASCII]
00 03	0aaa aaaa	Name 4	(32 - 127) 32 - 127 [ASCII]
00 04	0aaa aaaa	Name 5	(32 - 127) 32 - 127 [ASCII]
00 05	0aaa aaaa	Name 6	(32 - 127) 32 - 127 [ASCII]
00 06	0aaa aaaa	Name 7	(32 - 127) 32 - 127 [ASCII]
00 07	0aaa aaaa	Name 8	(32 - 127) 32 - 127 [ASCII]
00 08	0aaa aaaa	Name 9	(32 - 127) 32 - 127 [ASCII]
00 09	0aaa aaaa	Name 10	(32 - 127) 32 - 127 [ASCII]
00 0A	0aaa aaaa	Name 11	(32 - 127) 32 - 127 [ASCII]
00 0B	0aaa aaaa	Name 12	(32 - 127) 32 - 127 [ASCII]
00 0C	0aaa aaaa	Name 13	(32 - 127) 32 - 127 [ASCII]
00 0D	0aaa aaaa	Name 14	(32 - 127) 32 - 127 [ASCII]
00 0E	0aaa aaaa	Name 15	(32 - 127) 32 - 127 [ASCII]
00 0F	0aaa aaaa	Name 16	(32 - 127) 32 - 127 [ASCII]
00 10	0000 aaaa	Category	(0 - 15) NO ASSIGN, A. PIANO, E. PIANO, ORGAN, KEYS, GUITAR, BASS, STRINGS, BRASS, WIND, CHOIR, SYNTH, PAD, FX, VOCODER, SAMPLE
00 11	0aaa aaaa	Scene Level	(0 - 127) 0 - 127
# 00 12	0000 aaaa		
00 13	0000 bbbb		
00 14	0000 cccc		
00 15	0000 dddd	Scene Tempo	(2000 - 30000) 20.00 - 300.00
00 16	0000 aaaa	Voice Reserve Part 1	(0 - 10)
00 17	0000 aaaa	Voice Reserve Part 2	(0 - 10)
00 18	0000 aaaa	Voice Reserve Part 3	(0 - 10)
00 19	0000 aaaa	Voice Reserve Part 4	(0 - 10)
00 1A	0000 aaaa	Voice Reserve Part 5	(0 - 10)
00 1B	0000 aaaa	Voice Reserve Part 6	(0 - 10)
00 1C	0000 aaaa	Voice Reserve Part 7	(0 - 10)
00 1D	0000 aaaa	Voice Reserve Part R	(0 - 10)
00 1E	0000 0aaa	Current Part	(0 - 7) 1 - 8
00 1F	0000 0000	Reserved	
00 20	000a aaaa	Rhythm Group	(0 - 29)
00 21	0000 000a	Chord Memory Switch	(0 - 1) OFF, ON
00 22	000a aaaa	Chord Memory Form	(0 - 16) 1 - 17
00 23	0aaa aaaa	Chord Memory Key	(59 - 70) -5 - 6
00 24	0000 000a	Rolled Chord Switch	(0 - 1) OFF, ON
00 25	0000 00aa	Rolled Chord Type	(0 - 2) UP, DOWN, ALTERNATE
00 26	0aaa aaaa	Control Source 1	(0 - 96)

00 2E	Oaaa aaaa	Knob 3 Function (0 - 107) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND DOWN, PITCH BEND UP, MFX, CHORUS/DELAY, REVERB, MIC REVEB, EQ LOW GAIN, EQ MID GAIN, EQ HIGH GAIN, USB AUDIO IN, USB AUDIO OUT
00 2F	Oaaa aaaa	Knob 4 Function (0 - 107) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND DOWN, PITCH BEND UP, MFX, CHORUS/DELAY, REVERB, MIC REVEB, EQ LOW GAIN, EQ MID GAIN, EQ HIGH GAIN, USB AUDIO IN, USB AUDIO OUT
00 30	Oaaa aaaa	Pitch Bend Function (0 - 98) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND, ROTARY SPEED
00 31	Oaaa aaaa	Modulation Function (0 - 99) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC32, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, AFTER TOUCH, PITCH BEND DOWN, PITCH BEND UP, ROTARY SPEED
00 00 00 32	Total Size	

* [Scene Part]

Offset Address	Description	
00 00	0000 000a	Part Switch (0 - 1) OFF, ON
00 01	0000 000a	Mute Switch (0 - 1) OFF, MUTE
00 02	Oaaa aaaa	Tone Bank Select MSB (CC#0) (0 - 127)
00 03	Oaaa aaaa	Tone Bank Select LSB (CC#32) (0 - 127)
00 04	Oaaa aaaa	Tone Program Change (PC) (0 - 127)
00 05	Oaaa aaaa	Part Level (CC#7) (0 - 127)
00 06	Oaaa aaaa	Part Pan (CC#10) (0 - 127) L64 - 63R
00 07	Oaaa aaaa	Part Coarse Tune (RPN#2) (16 - 112) -48 - 48
00 08	Oaaa aaaa	Part Fine Tune (RPN#1) (14 - 114) -50 - 50
00 09	0000 00aa	Part Mono/Poly (0 - 2) MONO, POLY, TONE

	00 0A	0000 00aa	Part Legato Switch	(0 - 2)
	00 0B	000a aaaa	Part Bend Range	OFF, ON, TONE (0 - 25)
	00 0C	0000 00aa	Part Portamento Switch (CC#65)	0 - 24, TONE (0 - 2)
#	00 0D	0000 aaaa		OFF, ON, TONE
	00 0E	0000 bbbb	Part Portamento Time (CC#5)	(0 - 128)
	00 0F	0aaa aaaa	Part Cutoff Offset (CC#74)	0 - 127, TONE (0 - 127)
	00 10	0aaa aaaa	Part Resonance Offset (CC#71)	-64 - 63 (0 - 127)
	00 11	0aaa aaaa	Part Attack Time Offset (CC#73)	-64 - 63 (0 - 127)
	00 12	0aaa aaaa	Part Decay Time Offset (CC#75)	-64 - 63 (0 - 127)
	00 13	0aaa aaaa	Part Release Time Offset (CC#72)	-64 - 63 (0 - 127)
	00 14	0aaa aaaa	Part Vibrato Rate (CC#76)	-64 - 63 (0 - 127)
	00 15	0aaa aaaa	Part Vibrato Depth (CC#77)	-64 - 63 (0 - 127)
	00 16	0aaa aaaa	Part Vibrato Delay (CC#78)	-64 - 63 (0 - 127)
	00 17	0000 00aa	Unison Switch	(0 - 2)
	00 18	0000 00aa	Bend Mode	OFF, ON, TONE (0 - 2)
	00 19	0000 000a	Follow Tone MFX	NORMAL, C+L, TONE (0 - 1)
	00 1A	0000 000a	Output Assign	OFF, ON (0 - 1)
	00 1B	0aaa aaaa	Part Chorus Send Level (CC#93)	THRU, IFX (0 - 127)
	00 1C	0aaa aaaa	Part Reverb Send Level (CC#91)	(0 - 127)
	00 1D	0aaa aaaa	Part Octave Shift	(61 - 67)
	00 1E	0aaa aaaa	Part Velocity Sens Offset	-3 - 3 (1 - 127)
	00 1F	0000 00aa	Voice Assign Mode	-63 - 63 (0 - 2)
	00 20	0000 aaaa	Part Scale Tune Type	SINGLE, LIMIT, FULL (0 - 8)
	00 21	0000 aaaa	Part Scale Tune Key	CUSTOM, EQUAL, JUST-MAJ, JUST-MIN, PYTHAGORE, KIRNBERGE, MEANTONE, WERCKMEIS, ARABIC (0 - 11)
	00 22	0aaa aaaa	Part Scale Tune for C	C, C#, D, D#, E, F, F#, G, G#, A, A#, B (0 - 127)
	00 23	0aaa aaaa	Part Scale Tune for C#	-64 - 63 (0 - 127)
	00 24	0aaa aaaa	Part Scale Tune for D	-64 - 63 (0 - 127)
	00 25	0aaa aaaa	Part Scale Tune for D#	-64 - 63 (0 - 127)
	00 26	0aaa aaaa	Part Scale Tune for E	-64 - 63 (0 - 127)
	00 27	0aaa aaaa	Part Scale Tune for F	-64 - 63 (0 - 127)
	00 28	0aaa aaaa	Part Scale Tune for F#	-64 - 63 (0 - 127)
	00 29	0aaa aaaa	Part Scale Tune for G	-64 - 63 (0 - 127)
	00 2A	0aaa aaaa	Part Scale Tune for G#	-64 - 63 (0 - 127)
	00 2B	0aaa aaaa	Part Scale Tune for A	-64 - 63 (0 - 127)
	00 2C	0aaa aaaa	Part Scale Tune for A#	-64 - 63 (0 - 127)
	00 2D	0aaa aaaa	Part Scale Tune for B	-64 - 63 (0 - 127)
	00 2E	0000 000a	Receive Program Change	(0 - 1)
	00 2F	0000 000a	Receive Bank Select	OFF, ON (0 - 1)
	00 30	0000 000a	Receive Pitch Bend	OFF, ON (0 - 1)
	00 31	0000 000a	Receive Poly Key Pressure	OFF, ON (0 - 1)
	00 32	0000 000a	Receive Channel Pressure	OFF, ON (0 - 1)
	00 33	0000 000a	Receive Modulation	OFF, ON (0 - 1)
	00 34	0000 000a	Receive Volume	OFF, ON (0 - 1)
	00 35	0000 000a	Receive Pan	OFF, ON (0 - 1)
	00 36	0000 000a	Receive Expression	OFF, ON (0 - 1)

00 37	0000 000a	Receive Hold-1	OFF, ON (0 - 1)
00 38	0000 000a	Keyboard Velocity Mode	OFF, ON (0 - 1)
00 39	0aaa aaaa	Keyboard Fixed Velocity	REAL, FIXED (1 - 127)
00 3A	0000 0aaa	Velocity Curve Type	(0 - 4)
00 3B	0aaa aaaa	Part Amp Attack Time Offset	OFF, 1 - 4 (0 - 127)
00 3C	0aaa aaaa	Part Amp Decay Time Offset	-64 - 63 (0 - 127)
00 3D	0aaa aaaa	Part Amp Sustain Level Offset	-64 - 63 (0 - 127)
00 3E	0aaa aaaa	Part Amp Release Time Offset	(0 - 127)
00 3F	0aaa aaaa	Part Filter Keyfollow Offset	-64 - 63 (0 - 127)
00 40	0aaa aaaa	Part Filter Envelope Depth Offset	-64 - 63 (0 - 127)
00 41	0aaa aaaa	Part Filter Attack Time Offset	(0 - 127)
00 42	0aaa aaaa	Part Filter Decay Time Offset	-64 - 63 (0 - 127)
00 43	0aaa aaaa	Part Filter Sustain Level Offset	-64 - 63 (0 - 127)
00 44	0aaa aaaa	Part Filter Release Time Offset	(0 - 127)
00 45	0aaa aaaa	Part Pitch Envelope Depth Offset	-64 - 63 (0 - 127)
00 46	0aaa aaaa	Part Pitch Attack Time Offset	(0 - 127)
00 47	0aaa aaaa	Part Pitch Decay Time Offset	-64 - 63 (0 - 127)
00 48	0aaa aaaa	Part Pitch Sustain Level Offset	-64 - 63 (0 - 127)
00 49	0aaa aaaa	Part Pitch Release Time Offset	(0 - 127)
00 4A	0aaa aaaa	Part Filter LFO Depth	-64 - 63 (0 - 127)
00 4B	0aaa aaaa	Part Amp LFO Depth	(0 - 127)
00 4C	0aaa aaaa	Part Pitch LFO Depth	-64 - 63 (0 - 127)
00 4D	0000 aaaa	Receive Channel	-64 - 63 (0 - 15)
00 4E	0000 0000	Reserved	1 - 16

00 00 00 4F	Total Size		

* [Scene EQ]

Offset	Address	Description	
#	00 00	0000 aaaa	
	00 01	0000 bbbb	
	00 02	0000 cccc	
	00 03	0000 dddd	
		EQ Input Gain	(784 - 1264) -24.0 - +24.0 [dB]
#	00 04	0000 aaaa	
	00 05	0000 bbbb	
	00 06	0000 cccc	
	00 07	0000 dddd	
		EQ Low Gain	(784 - 1264) -24.0 - +24.0 [dB]
#	00 08	0000 aaaa	
	00 09	0000 bbbb	
	00 0A	0000 cccc	
	00 0B	0000 dddd	
		EQ Mid Gain	(784 - 1264) -24.0 - +24.0 [dB]
#	00 0C	0000 aaaa	
	00 0D	0000 bbbb	
	00 0E	0000 cccc	
	00 0F	0000 dddd	
		EQ High Gain	(784 - 1264) -24.0 - +24.0 [dB]
#	00 10	0000 aaaa	
	00 11	0000 bbbb	
	00 12	0000 cccc	
	00 13	0000 dddd	
		EQ Low Frequency	(20 - 16000) 20 - 16000 [Hz]
#	00 14	0000 aaaa	
	00 15	0000 bbbb	
	00 16	0000 cccc	
	00 17	0000 dddd	
		EQ Mid Frequency	(20 - 16000) 20 - 16000 [Hz]
#	00 18	0000 aaaa	

	00 19	0000 bbbb		
	00 1A	0000 cccc		
	00 1B	0000 dddd	EQ High Frequency	(20 - 16000) 20 - 16000 [Hz]
#	00 1C	0000 aaaa		
	00 1D	0000 bbbb	EQ Mid Q	(5 - 160) 0.5 - 16.0
	00 1E	0000 000a	EQ Switch	(0 - 1) OFF, ON
	00 00 00 1F	Total Size		

* [Scene Zone]

Offset Address	Description			
00 00	0000 000a	Keyboard Switch	(0 - 1) OFF, ON	
00 01	0aaa aaaa	Keyboard Range Lower	(0 - 127) C-1 - G9	
00 02	0aaa aaaa	Keyboard Range Upper	(0 - 127) C-1 - G9	
00 03	0000 0000	Reserved		
00 04	0000 0000	Reserved		
00 05	0aaa aaaa	Velocity Range Lower	(1 - 127)	
00 06	0aaa aaaa	Velocity Range Upper	(1 - 127)	
00 07	0000 0000	Reserved		
00 08	0000 0000	Reserved		
00 09	0000 000a	Receive Hold Pedal	(0 - 1) OFF, ON	
00 0A	0000 000a	Receive Control Pedal	(0 - 1) OFF, ON	
00 0B	0000 000a	Receive Knob 1	(0 - 1) OFF, ON	
00 0C	0000 000a	Receive Knob 2	(0 - 1) OFF, ON	
00 0D	0000 000a	Receive Knob 3	(0 - 1) OFF, ON	
00 0E	0000 000a	Receive Knob 4	(0 - 1) OFF, ON	
00 0F	0000 000a	Receive Pitch Bend	(0 - 1) OFF, ON	
00 10	0000 000a	Receive Modulation	(0 - 1) OFF, ON	
00 11	0000 00aa	Tx Mode	(0 - 2) ON, OFF, MKB	
00 12	0000 aaaa	Master Keyboard Tx Channel	(0 - 15) 1 - 16	
#	00 13	0000 aaaa		
	00 14	0000 bbbb	Master Keyboard Bank MSB (0 - 128) OFF, 0 - 127	
#	00 15	0000 aaaa		
	00 16	0000 bbbb	Master Keyboard Bank LSB (0 - 128) OFF, 0 - 127	
#	00 17	0000 aaaa		
	00 18	0000 bbbb	Master Keyboard Program Change (0 - 128) OFF, 1 - 128	
#	00 19	0000 aaaa		
	00 1A	0000 bbbb	Master Keyboard Volume (0 - 128) OFF, 0 - 127	
	00 00 00 1B	Total Size		

* [Arpeggio Common]

Offset Address	Description			
00 00	0000 000a	Switch	(0 - 1) OFF, ON	
00 01	0000 000a	Hold Switch	(0 - 1) OFF, ON	
	00 00 00 02	Total Size		

* [Arpeggio Part]

Offset Address	Description		
00 00	0000 000a	Part Switch	(0 - 1) OFF, ON
00 01	0aaa aaaa	Duration	(0 - 100)

	00 02	0aaa aaaa	Shuffle Rate	0 - 100 [%] (0 - 100)
	00 03	0aaa aaaa	Octave Range	0 - 100 [%] (61 - 67) -3 - 3
	00 04	0aaa aaaa	Transpose	(28 - 100) -36 - 36
	00 05	0000 000a	Reserved	
	00 06	0000 0aaa	Mode	(0 - 4) UP, DOWN, UP&DOWN, RANDOM, NOTE ORDER
	00 07	0000 000a	Shuffle Resolution	(0 - 1) 16TH, 8TH
	00 08	0000 aaaa	Scale	(0 - 15) 4/1, 2/1, 1/1, 1/2, 1/4, 1/8, 1/16, 1/32, 1/2T, 1/4T, 1/8T, 1/16T, 1/2., 1/4., 1/8., 1/16.
	00 09	0aaa aaaa	Velocity	(0 - 127) REAL, 1 -127
#	00 0A	0000 aaaa	Offset Velocity	(1 - 255) -127 - 127
	00 0B	0000 bbbb		
	00 0C	0000 00aa	Reserved	
#	00 0D	0000 aaaa	Arp Style	(0 - 127) 1 - 128
	00 0E	0000 bbbb		
#	00 0F	0000 aaaa	Arp Variation	(0 - 255) 1 - 256
	00 10	0000 bbbb		
	00 00 00 11	Total Size		

* [Sequencer]

Offset Address	Description			
00 00	00aa aaaa	Step Length	(0 - 63) 1 - 64	
00 01	0000 aaaa	Scale	(0 - 10) 1/1, 1/2, 1/4, 1/8, 1/16, 1/32, 1/1T, 1/2T, 1/4T, 1/8T, 1/16T	
#	00 02	0000 0aaa	Reserved	
	00 03	0000 aaaa		
	00 04	0000 bbbb		
#	00 05	0000 aaaa	Gate Ratio	
	00 06	0000 bbbb		
	00 07	0000 000a	Shuffle	
	00 08	0000 000a	Smooth	
	00 09	0000 000a	CC Switch	
	00 09	0000 000a	Mute Switch	
	00 00 00 0A	Total Size		

* [Sequencer Data]

Offset Address	Description		
#	00 00	0000 aaaa	Step 1 Note 1
	00 01	0000 bbbb	
#	00 02	0000 aaaa	Step 1 Note 2
	00 03	0000 bbbb	
#	00 04	0000 aaaa	Step 1 Note 3
	00 05	0000 bbbb	
#	00 06	0000 aaaa	Step 1 Note 4
	00 07	0000 bbbb	
#	00 08	0000 aaaa	Step 1 Note 5
	00 09	0000 bbbb	
#	00 0A	0000 aaaa	Step 1 Note 6
	00 0B	0000 bbbb	
#	00 0C	0000 aaaa	Step 1 Note 7
	00 0D	0000 bbbb	
#	00 0E	0000 aaaa	Step 1 Note 8
	00 0F	0000 bbbb	

	00 10	0aaa aaaa	Step 1 Velocity 1	(0 - 127)
	00 11	0aaa aaaa	Step 1 Velocity 2	(0 - 127)
	00 12	0aaa aaaa	Step 1 Velocity 3	(0 - 127)
	00 13	0aaa aaaa	Step 1 Velocity 4	(0 - 127)
	00 14	0aaa aaaa	Step 1 Velocity 5	(0 - 127)
	00 15	0aaa aaaa	Step 1 Velocity 6	(0 - 127)
	00 16	0aaa aaaa	Step 1 Velocity 7	(0 - 127)
	00 17	0aaa aaaa	Step 1 Velocity 8	(0 - 127)
	00 18	0aaa aaaa	Step 1 Gate 1	(0 - 101)
				0 - 100, TIE
	00 19	0aaa aaaa	Step 1 Gate 2	(0 - 101)
				0 - 100, TIE
	00 1A	0aaa aaaa	Step 1 Gate 3	(0 - 101)
				0 - 100, TIE
	00 1B	0aaa aaaa	Step 1 Gate 4	(0 - 101)
				0 - 100, TIE
	00 1C	0aaa aaaa	Step 1 Gate 5	(0 - 101)
				0 - 100, TIE
	00 1D	0aaa aaaa	Step 1 Gate 6	(0 - 101)
				0 - 100, TIE
	00 1E	0aaa aaaa	Step 1 Gate 7	(0 - 101)
				0 - 100, TIE
	00 1F	0aaa aaaa	Step 1 Gate 8	(0 - 101)
				0 - 100, TIE
#	00 20	0000 aaaa		
	00 21	0000 bbbb	Step 1 CC Number 1	(127 - 255)
				-1 - 127
#	00 22	0000 aaaa		
	00 23	0000 bbbb	Step 1 CC Number 2	(127 - 255)
				-1 - 127
#	00 24	0000 aaaa		
	00 25	0000 bbbb	Step 1 CC Number 3	(127 - 255)
				-1 - 127
#	00 26	0000 aaaa		
	00 27	0000 bbbb	Step 1 CC Number 4	(127 - 255)
				-1 - 127
#	00 28	0000 aaaa		
	00 29	0000 bbbb	Step 1 CC Value 1	(0 - 255)
#	00 2A	0000 aaaa		
	00 2B	0000 bbbb	Step 1 CC Value 2	(0 - 255)
#	00 2C	0000 aaaa		
	00 2D	0000 bbbb	Step 1 CC Value 3	(0 - 255)
#	00 2E	0000 aaaa		
	00 2F	0000 bbbb	Step 1 CC Value 4	(0 - 255)
	00 30	0aaa aaaa	Reserved	
	00 31	0aaa aaaa	Reserved	
	00 32	0aaa aaaa	Reserved	
	00 33	0aaa aaaa	Reserved	
	00 34	0aaa aaaa	Reserved	
	00 35	0aaa aaaa	Reserved	
	00 36	0aaa aaaa	Reserved	
	00 37	0aaa aaaa	Reserved	
	00 38	0000 0aaa	Step 1 Sub Step 1	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	00 39	0000 0aaa	Step 1 Sub Step 2	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	00 3A	0000 0aaa	Step 1 Sub Step 3	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	00 3B	0000 0aaa	Step 1 Sub Step 4	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	00 3C	0000 0aaa	Step 1 Sub Step 5	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	00 3D	0000 0aaa	Step 1 Sub Step 6	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	00 3E	0000 0aaa	Step 1 Sub Step 7	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	00 3F	0000 0aaa	Step 1 Sub Step 8	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
#	00 40	0000 aaaa		
	00 41	0000 bbbb	Step 2 Note 2	(127 - 255)
				OFF, 0 -127
#	00 42	0000 aaaa		
	00 43	0000 bbbb	Step 2 Note 2	(127 - 255)
				OFF, 0 -127
#	00 44	0000 aaaa		
	00 45	0000 bbbb	Step 2 Note 3	(127 - 255)
				OFF, 0 -127
#	00 46	0000 aaaa		
	00 47	0000 bbbb	Step 2 Note 4	(127 - 255)
				OFF, 0 -127
#	00 48	0000 aaaa		
	00 49	0000 bbbb	Step 2 Note 5	(127 - 255)
				OFF, 0 -127
#	00 4A	0000 aaaa		
	00 4B	0000 bbbb	Step 2 Note 6	(127 - 255)
				OFF, 0 -127

#	00 4C	0000 aaaa	Step 2 Note 7	(127 - 255) OFF, 0 -127
	00 4D	0000 bbbb		
#	00 4E	0000 aaaa	Step 2 Note 8	(127 - 255) OFF, 0 -127
	00 4F	0000 bbbb		
	00 50	0aaa aaaa	Step 2 Velocity 1	(0 - 127)
	00 51	0aaa aaaa	Step 2 Velocity 2	(0 - 127)
	00 52	0aaa aaaa	Step 2 Velocity 3	(0 - 127)
	00 53	0aaa aaaa	Step 2 Velocity 4	(0 - 127)
	00 54	0aaa aaaa	Step 2 Velocity 5	(0 - 127)
	00 55	0aaa aaaa	Step 2 Velocity 6	(0 - 127)
	00 56	0aaa aaaa	Step 2 Velocity 7	(0 - 127)
	00 57	0aaa aaaa	Step 2 Velocity 8	(0 - 127)
	00 58	0aaa aaaa	Step 2 Gate 1	(0 - 101)
	00 59	0aaa aaaa	Step 2 Gate 2	0 - 100, TIE (0 - 101)
	00 5A	0aaa aaaa	Step 2 Gate 3	0 - 100, TIE (0 - 101)
	00 5B	0aaa aaaa	Step 2 Gate 4	0 - 100, TIE (0 - 101)
	00 5C	0aaa aaaa	Step 2 Gate 5	0 - 100, TIE (0 - 101)
	00 5D	0aaa aaaa	Step 2 Gate 6	0 - 100, TIE (0 - 101)
	00 5E	0aaa aaaa	Step 2 Gate 7	0 - 100, TIE (0 - 101)
	00 5F	0aaa aaaa	Step 2 Gate 8	0 - 100, TIE (0 - 101)
#	00 60	0000 aaaa	Step 2 CC Number 1	(127 - 255) -1 - 127
	00 61	0000 bbbb		
#	00 62	0000 aaaa	Step 2 CC Number 2	(127 - 255) -1 - 127
	00 63	0000 bbbb		
#	00 64	0000 aaaa	Step 2 CC Number 3	(127 - 255) -1 - 127
	00 65	0000 bbbb		
#	00 66	0000 aaaa	Step 2 CC Number 4	(127 - 255) -1 - 127
	00 67	0000 bbbb		
#	00 68	0000 aaaa	Step 2 CC Value 1	(0 - 255)
	00 69	0000 bbbb		
#	00 6A	0000 aaaa	Step 2 CC Value 2	(0 - 255)
	00 6B	0000 bbbb		
#	00 6C	0000 aaaa	Step 2 CC Value 3	(0 - 255)
	00 6D	0000 bbbb		
#	00 6E	0000 aaaa	Step 2 CC Value 4	(0 - 255)
	00 6F	0000 bbbb		
	00 70	0aaa aaaa	Reserved	
	00 71	0aaa aaaa	Reserved	
	00 72	0aaa aaaa	Reserved	
	00 73	0aaa aaaa	Reserved	
	00 74	0aaa aaaa	Reserved	
	00 75	0aaa aaaa	Reserved	
	00 76	0aaa aaaa	Reserved	
	00 77	0aaa aaaa	Reserved	
	00 78	0000 0aaa	Step 2 Sub Step 1	(0 - 4)
	00 79	0000 0aaa	Step 2 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	00 7A	0000 0aaa	Step 2 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	00 7B	0000 0aaa	Step 2 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	00 7C	0000 0aaa	Step 2 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	00 7D	0000 0aaa	Step 2 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	00 7E	0000 0aaa	Step 2 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	00 7F	0000 0aaa	Step 2 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	01 00	0000 aaaa	Step 3 Note 1	(127 - 255) OFF, 0 -127
	01 01	0000 bbbb		
#	01 02	0000 aaaa	Step 3 Note 2	(127 - 255) OFF, 0 -127
	01 03	0000 bbbb		
#	01 04	0000 aaaa	Step 3 Note 3	(127 - 255) OFF, 0 -127
	01 05	0000 bbbb		
#	01 06	0000 aaaa	Step 3 Note 4	(127 - 255) OFF, 0 -127
	01 07	0000 bbbb		

#	01 08	0000 aaaa		
	01 09	0000 bbbb	Step 3 Note 5	(127 - 255) OFF, 0 -127
#	01 0A	0000 aaaa		
	01 0B	0000 bbbb	Step 3 Note 6	(127 - 255) OFF, 0 -127
#	01 0C	0000 aaaa		
	01 0D	0000 bbbb	Step 3 Note 7	(127 - 255) OFF, 0 -127
#	01 0E	0000 aaaa		
	01 0F	0000 bbbb	Step 3 Note 8	(127 - 255) OFF, 0 -127
	01 10	0aaa aaaa	Step 3 Velocity 1	(0 - 127)
	01 11	0aaa aaaa	Step 3 Velocity 2	(0 - 127)
	01 12	0aaa aaaa	Step 3 Velocity 3	(0 - 127)
	01 13	0aaa aaaa	Step 3 Velocity 4	(0 - 127)
	01 14	0aaa aaaa	Step 3 Velocity 5	(0 - 127)
	01 15	0aaa aaaa	Step 3 Velocity 6	(0 - 127)
	01 16	0aaa aaaa	Step 3 Velocity 7	(0 - 127)
	01 17	0aaa aaaa	Step 3 Velocity 8	(0 - 127)
	01 18	0aaa aaaa	Step 3 Gate 1	(0 - 101)
	01 19	0aaa aaaa	Step 3 Gate 2	0 - 100, TIE (0 - 101)
	01 1A	0aaa aaaa	Step 3 Gate 3	0 - 100, TIE (0 - 101)
	01 1B	0aaa aaaa	Step 3 Gate 4	0 - 100, TIE (0 - 101)
	01 1C	0aaa aaaa	Step 3 Gate 5	0 - 100, TIE (0 - 101)
	01 1D	0aaa aaaa	Step 3 Gate 6	0 - 100, TIE (0 - 101)
	01 1E	0aaa aaaa	Step 3 Gate 7	0 - 100, TIE (0 - 101)
	01 1F	0aaa aaaa	Step 3 Gate 8	0 - 100, TIE (0 - 101)
#	01 20	0000 aaaa		
	01 21	0000 bbbb	Step 3 CC Number 1	(127 - 255) -1 - 127
#	01 22	0000 aaaa		
	01 23	0000 bbbb	Step 3 CC Number 2	(127 - 255) -1 - 127
#	01 24	0000 aaaa		
	01 25	0000 bbbb	Step 3 CC Number 3	(127 - 255) -1 - 127
#	01 26	0000 aaaa		
	01 27	0000 bbbb	Step 3 CC Number 4	(127 - 255) -1 - 127
#	01 28	0000 aaaa		
	01 29	0000 bbbb	Step 3 CC Value 1	(0 - 255)
#	01 2A	0000 aaaa		
	01 2B	0000 bbbb	Step 3 CC Value 2	(0 - 255)
#	01 2C	0000 aaaa		
	01 2D	0000 bbbb	Step 3 CC Value 3	(0 - 255)
#	01 2E	0000 aaaa		
	01 2F	0000 bbbb	Step 3 CC Value 4	(0 - 255)
	01 30	0aaa aaaa	Reserved	
	01 31	0aaa aaaa	Reserved	
	01 32	0aaa aaaa	Reserved	
	01 33	0aaa aaaa	Reserved	
	01 34	0aaa aaaa	Reserved	
	01 35	0aaa aaaa	Reserved	
	01 36	0aaa aaaa	Reserved	
	01 37	0aaa aaaa	Reserved	
	01 38	0000 0aaa	Step 3 Sub Step 1	(0 - 4)
	01 39	0000 0aaa	Step 3 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	01 3A	0000 0aaa	Step 3 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	01 3B	0000 0aaa	Step 3 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	01 3C	0000 0aaa	Step 3 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	01 3D	0000 0aaa	Step 3 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	01 3E	0000 0aaa	Step 3 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	01 3F	0000 0aaa	Step 3 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	01 40	0000 aaaa		
	01 41	0000 bbbb	Step 4 Note 1	(127 - 255) OFF, 0 -127
#	01 42	0000 aaaa		
	01 43	0000 bbbb	Step 4 Note 2	(127 - 255) OFF, 0 -127

#	01 44	0000 aaaa			
	01 45	0000 bbbb	Step 4 Note 3	(127 - 255)	
				OFF, 0 -127	
#	01 46	0000 aaaa			
	01 47	0000 bbbb	Step 4 Note 4	(127 - 255)	
				OFF, 0 -127	
#	01 48	0000 aaaa			
	01 49	0000 bbbb	Step 4 Note 5	(127 - 255)	
				OFF, 0 -127	
#	01 4A	0000 aaaa			
	01 4B	0000 bbbb	Step 4 Note 6	(127 - 255)	
				OFF, 0 -127	
#	01 4C	0000 aaaa			
	01 4D	0000 bbbb	Step 4 Note 7	(127 - 255)	
				OFF, 0 -127	
#	01 4E	0000 aaaa			
	01 4F	0000 bbbb	Step 4 Note 8	(127 - 255)	
				OFF, 0 -127	
	01 50	0aaa aaaa	Step 4 Velocity 1	(0 - 127)	
	01 51	0aaa aaaa	Step 4 Velocity 2	(0 - 127)	
	01 52	0aaa aaaa	Step 4 Velocity 3	(0 - 127)	
	01 53	0aaa aaaa	Step 4 Velocity 4	(0 - 127)	
	01 54	0aaa aaaa	Step 4 Velocity 5	(0 - 127)	
	01 55	0aaa aaaa	Step 4 Velocity 6	(0 - 127)	
	01 56	0aaa aaaa	Step 4 Velocity 7	(0 - 127)	
	01 57	0aaa aaaa	Step 4 Velocity 8	(0 - 127)	
	01 58	0aaa aaaa	Step 4 Gate 1	(0 - 101)	
				0 - 100, TIE	
	01 59	0aaa aaaa	Step 4 Gate 2	(0 - 101)	
				0 - 100, TIE	
	01 5A	0aaa aaaa	Step 4 Gate 3	(0 - 101)	
				0 - 100, TIE	
	01 5B	0aaa aaaa	Step 4 Gate 4	(0 - 101)	
				0 - 100, TIE	
	01 5C	0aaa aaaa	Step 4 Gate 5	(0 - 101)	
				0 - 100, TIE	
	01 5D	0aaa aaaa	Step 4 Gate 6	(0 - 101)	
				0 - 100, TIE	
	01 5E	0aaa aaaa	Step 4 Gate 7	(0 - 101)	
				0 - 100, TIE	
	01 5F	0aaa aaaa	Step 4 Gate 8	(0 - 101)	
				0 - 100, TIE	
#	01 60	0000 aaaa			
	01 61	0000 bbbb	Step 4 CC Number 1	(127 - 255)	
				-1 - 127	
#	01 62	0000 aaaa			
	01 63	0000 bbbb	Step 4 CC Number 2	(127 - 255)	
				-1 - 127	
#	01 64	0000 aaaa			
	01 65	0000 bbbb	Step 4 CC Number 3	(127 - 255)	
				-1 - 127	
#	01 66	0000 aaaa			
	01 67	0000 bbbb	Step 4 CC Number 4	(127 - 255)	
				-1 - 127	
#	01 68	0000 aaaa			
	01 69	0000 bbbb	Step 4 CC Value 1	(0 - 255)	
#	01 6A	0000 aaaa			
	01 6B	0000 bbbb	Step 4 CC Value 2	(0 - 255)	
#	01 6C	0000 aaaa			
	01 6D	0000 bbbb	Step 4 CC Value 3	(0 - 255)	
#	01 6E	0000 aaaa			
	01 6F	0000 bbbb	Step 4 CC Value 4	(0 - 255)	
	01 70	0aaa aaaa	Reserved		
	01 71	0aaa aaaa	Reserved		
	01 72	0aaa aaaa	Reserved		
	01 73	0aaa aaaa	Reserved		
	01 74	0aaa aaaa	Reserved		
	01 75	0aaa aaaa	Reserved		
	01 76	0aaa aaaa	Reserved		
	01 77	0aaa aaaa	Reserved		
	01 78	0000 0aaa	Step 4 Sub Step 1	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	01 79	0000 0aaa	Step 4 Sub Step 2	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	01 7A	0000 0aaa	Step 4 Sub Step 3	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	01 7B	0000 0aaa	Step 4 Sub Step 4	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	01 7C	0000 0aaa	Step 4 Sub Step 5	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	01 7D	0000 0aaa	Step 4 Sub Step 6	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	01 7E	0000 0aaa	Step 4 Sub Step 7	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	01 7F	0000 0aaa	Step 4 Sub Step 8	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	

#	02 00	0000 aaaa			
	02 01	0000 bbbb	Step 5 Note 1	(127 - 255)	
				OFF, 0	-127
#	02 02	0000 aaaa			
	02 03	0000 bbbb	Step 5 Note 2	(127 - 255)	
				OFF, 0	-127
#	02 04	0000 aaaa			
	02 05	0000 bbbb	Step 5 Note 3	(127 - 255)	
				OFF, 0	-127
#	02 06	0000 aaaa			
	02 07	0000 bbbb	Step 5 Note 4	(127 - 255)	
				OFF, 0	-127
#	02 08	0000 aaaa			
	02 09	0000 bbbb	Step 5 Note 5	(127 - 255)	
				OFF, 0	-127
#	02 0A	0000 aaaa			
	02 0B	0000 bbbb	Step 5 Note 6	(127 - 255)	
				OFF, 0	-127
#	02 0C	0000 aaaa			
	02 0D	0000 bbbb	Step 5 Note 7	(127 - 255)	
				OFF, 0	-127
#	02 0E	0000 aaaa			
	02 0F	0000 bbbb	Step 5 Note 8	(127 - 255)	
				OFF, 0	-127
	02 10	0aaa aaaa	Step 5 Velocity 1	(0 - 127)	
	02 11	0aaa aaaa	Step 5 Velocity 2	(0 - 127)	
	02 12	0aaa aaaa	Step 5 Velocity 3	(0 - 127)	
	02 13	0aaa aaaa	Step 5 Velocity 4	(0 - 127)	
	02 14	0aaa aaaa	Step 5 Velocity 5	(0 - 127)	
	02 15	0aaa aaaa	Step 5 Velocity 6	(0 - 127)	
	02 16	0aaa aaaa	Step 5 Velocity 7	(0 - 127)	
	02 17	0aaa aaaa	Step 5 Velocity 8	(0 - 127)	
	02 18	0aaa aaaa	Step 5 Gate 1	(0 - 101)	
				0 - 100, TIE	
	02 19	0aaa aaaa	Step 5 Gate 2	(0 - 101)	
				0 - 100, TIE	
	02 1A	0aaa aaaa	Step 5 Gate 3	(0 - 101)	
				0 - 100, TIE	
	02 1B	0aaa aaaa	Step 5 Gate 4	(0 - 101)	
				0 - 100, TIE	
	02 1C	0aaa aaaa	Step 5 Gate 5	(0 - 101)	
				0 - 100, TIE	
	02 1D	0aaa aaaa	Step 5 Gate 6	(0 - 101)	
				0 - 100, TIE	
	02 1E	0aaa aaaa	Step 5 Gate 7	(0 - 101)	
				0 - 100, TIE	
	02 1F	0aaa aaaa	Step 5 Gate 8	(0 - 101)	
				0 - 100, TIE	
#	02 20	0000 aaaa			
	02 21	0000 bbbb	Step 5 CC Number 1	(127 - 255)	
				-1 - 127	
#	02 22	0000 aaaa			
	02 23	0000 bbbb	Step 5 CC Number 2	(127 - 255)	
				-1 - 127	
#	02 24	0000 aaaa			
	02 25	0000 bbbb	Step 5 CC Number 3	(127 - 255)	
				-1 - 127	
#	02 26	0000 aaaa			
	02 27	0000 bbbb	Step 5 CC Number 4	(127 - 255)	
				-1 - 127	
#	02 28	0000 aaaa			
	02 29	0000 bbbb	Step 5 CC Value 1	(0 - 255)	
#	02 2A	0000 aaaa			
	02 2B	0000 bbbb	Step 5 CC Value 2	(0 - 255)	
#	02 2C	0000 aaaa			
	02 2D	0000 bbbb	Step 5 CC Value 3	(0 - 255)	
#	02 2E	0000 aaaa			
	02 2F	0000 bbbb	Step 5 CC Value 4	(0 - 255)	
	02 30	0aaa aaaa	Reserved		
	02 31	0aaa aaaa	Reserved		
	02 32	0aaa aaaa	Reserved		
	02 33	0aaa aaaa	Reserved		
	02 34	0aaa aaaa	Reserved		
	02 35	0aaa aaaa	Reserved		
	02 36	0aaa aaaa	Reserved		
	02 37	0aaa aaaa	Reserved		
	02 38	0000 0aaa	Step 5 Sub Step 1	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	02 39	0000 0aaa	Step 5 Sub Step 2	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	02 3A	0000 0aaa	Step 5 Sub Step 3	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	02 3B	0000 0aaa	Step 5 Sub Step 4	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	02 3C	0000 0aaa	Step 5 Sub Step 5	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	02 3D	0000 0aaa	Step 5 Sub Step 6	(0 - 4)	

	02 3E	0000 Oaaa	Step 5 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	02 3F	0000 Oaaa	Step 5 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	02 40	0000 aaaa	Step 6 Note 1	(127 - 255) OFF, 0 -127
	02 41	0000 bbbb		
#	02 42	0000 aaaa	Step 6 Note 2	(127 - 255) OFF, 0 -127
	02 43	0000 bbbb		
#	02 44	0000 aaaa	Step 6 Note 3	(127 - 255) OFF, 0 -127
	02 45	0000 bbbb		
#	02 46	0000 aaaa	Step 6 Note 4	(127 - 255) OFF, 0 -127
	02 47	0000 bbbb		
#	02 48	0000 aaaa	Step 6 Note 5	(127 - 255) OFF, 0 -127
	02 49	0000 bbbb		
#	02 4A	0000 aaaa	Step 6 Note 6	(127 - 255) OFF, 0 -127
	02 4B	0000 bbbb		
#	02 4C	0000 aaaa	Step 6 Note 7	(127 - 255) OFF, 0 -127
	02 4D	0000 bbbb		
#	02 4E	0000 aaaa	Step 6 Note 8	(127 - 255) OFF, 0 -127
	02 4F	0000 bbbb		
	02 50	Oaaa aaaa	Step 6 Velocity 1	(0 - 127)
	02 51	Oaaa aaaa	Step 6 Velocity 2	(0 - 127)
	02 52	Oaaa aaaa	Step 6 Velocity 3	(0 - 127)
	02 53	Oaaa aaaa	Step 6 Velocity 4	(0 - 127)
	02 54	Oaaa aaaa	Step 6 Velocity 5	(0 - 127)
	02 55	Oaaa aaaa	Step 6 Velocity 6	(0 - 127)
	02 56	Oaaa aaaa	Step 6 Velocity 7	(0 - 127)
	02 57	Oaaa aaaa	Step 6 Velocity 8	(0 - 127)
	02 58	Oaaa aaaa	Step 6 Gate 1	(0 - 101)
	02 59	Oaaa aaaa	Step 6 Gate 2	0 - 100, TIE (0 - 101)
	02 5A	Oaaa aaaa	Step 6 Gate 3	0 - 100, TIE (0 - 101)
	02 5B	Oaaa aaaa	Step 6 Gate 4	0 - 100, TIE (0 - 101)
	02 5C	Oaaa aaaa	Step 6 Gate 5	0 - 100, TIE (0 - 101)
	02 5D	Oaaa aaaa	Step 6 Gate 6	0 - 100, TIE (0 - 101)
	02 5E	Oaaa aaaa	Step 6 Gate 7	0 - 100, TIE (0 - 101)
	02 5F	Oaaa aaaa	Step 6 Gate 8	0 - 100, TIE (0 - 101)
#	02 60	0000 aaaa	Step 6 CC Number 1	(127 - 255) -1 - 127
	02 61	0000 bbbb		
#	02 62	0000 aaaa	Step 6 CC Number 2	(127 - 255) -1 - 127
	02 63	0000 bbbb		
#	02 64	0000 aaaa	Step 6 CC Number 3	(127 - 255) -1 - 127
	02 65	0000 bbbb		
#	02 66	0000 aaaa	Step 6 CC Number 4	(127 - 255) -1 - 127
	02 67	0000 bbbb		
#	02 68	0000 aaaa	Step 6 CC Value 1	(0 - 255)
	02 69	0000 bbbb		
#	02 6A	0000 aaaa	Step 6 CC Value 2	(0 - 255)
	02 6B	0000 bbbb		
#	02 6C	0000 aaaa	Step 6 CC Value 3	(0 - 255)
	02 6D	0000 bbbb		
#	02 6E	0000 aaaa	Step 6 CC Value 4	(0 - 255)
	02 6F	0000 bbbb		
	02 70	Oaaa aaaa	Reserved	
	02 71	Oaaa aaaa	Reserved	
	02 72	Oaaa aaaa	Reserved	
	02 73	Oaaa aaaa	Reserved	
	02 74	Oaaa aaaa	Reserved	
	02 75	Oaaa aaaa	Reserved	
	02 76	Oaaa aaaa	Reserved	
	02 77	Oaaa aaaa	Reserved	
	02 78	0000 Oaaa	Step 6 Sub Step 1	(0 - 4)
	02 79	0000 Oaaa	Step 6 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	02 7A	0000 Oaaa	Step 6 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)

	02 7B	0000 0aaa	Step 6 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	02 7C	0000 0aaa	Step 6 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	02 7D	0000 0aaa	Step 6 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	02 7E	0000 0aaa	Step 6 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	02 7F	0000 0aaa	Step 6 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	03 00	0000 aaaa	Step 7 Note 1	(127 - 255) OFF, 0 -127
	03 01	0000 bbbb		
#	03 02	0000 aaaa	Step 7 Note 2	(127 - 255) OFF, 0 -127
	03 03	0000 bbbb		
#	03 04	0000 aaaa	Step 7 Note 3	(127 - 255) OFF, 0 -127
	03 05	0000 bbbb		
#	03 06	0000 aaaa	Step 7 Note 4	(127 - 255) OFF, 0 -127
	03 07	0000 bbbb		
#	03 08	0000 aaaa	Step 7 Note 5	(127 - 255) OFF, 0 -127
	03 09	0000 bbbb		
#	03 0A	0000 aaaa	Step 7 Note 6	(127 - 255) OFF, 0 -127
	03 0B	0000 bbbb		
#	03 0C	0000 aaaa	Step 7 Note 7	(127 - 255) OFF, 0 -127
	03 0D	0000 bbbb		
#	03 0E	0000 aaaa	Step 7 Note 8	(127 - 255) OFF, 0 -127
	03 0F	0000 bbbb		
	03 10	0aaa aaaa	Step 7 Velocity 1	(0 - 127)
	03 11	0aaa aaaa	Step 7 Velocity 2	(0 - 127)
	03 12	0aaa aaaa	Step 7 Velocity 3	(0 - 127)
	03 13	0aaa aaaa	Step 7 Velocity 4	(0 - 127)
	03 14	0aaa aaaa	Step 7 Velocity 5	(0 - 127)
	03 15	0aaa aaaa	Step 7 Velocity 6	(0 - 127)
	03 16	0aaa aaaa	Step 7 Velocity 7	(0 - 127)
	03 17	0aaa aaaa	Step 7 Velocity 8	(0 - 127)
	03 18	0aaa aaaa	Step 7 Gate 1	(0 - 101)
	03 19	0aaa aaaa	Step 7 Gate 2	0 - 100, TIE (0 - 101)
	03 1A	0aaa aaaa	Step 7 Gate 3	0 - 100, TIE (0 - 101)
	03 1B	0aaa aaaa	Step 7 Gate 4	0 - 100, TIE (0 - 101)
	03 1C	0aaa aaaa	Step 7 Gate 5	0 - 100, TIE (0 - 101)
	03 1D	0aaa aaaa	Step 7 Gate 6	0 - 100, TIE (0 - 101)
	03 1E	0aaa aaaa	Step 7 Gate 7	0 - 100, TIE (0 - 101)
	03 1F	0aaa aaaa	Step 7 Gate 8	0 - 100, TIE (0 - 101)
#	03 20	0000 aaaa	Step 7 CC Number 1	(127 - 255) -1 - 127
	03 21	0000 bbbb		
#	03 22	0000 aaaa	Step 7 CC Number 2	(127 - 255) -1 - 127
	03 23	0000 bbbb		
#	03 24	0000 aaaa	Step 7 CC Number 3	(127 - 255) -1 - 127
	03 25	0000 bbbb		
#	03 26	0000 aaaa	Step 7 CC Number 4	(127 - 255) -1 - 127
	03 27	0000 bbbb		
#	03 28	0000 aaaa	Step 7 CC Value 1	(0 - 255)
	03 29	0000 bbbb		
#	03 2A	0000 aaaa	Step 7 CC Value 2	(0 - 255)
	03 2B	0000 bbbb		
#	03 2C	0000 aaaa	Step 7 CC Value 3	(0 - 255)
	03 2D	0000 bbbb		
#	03 2E	0000 aaaa	Step 7 CC Value 4	(0 - 255)
	03 2F	0000 bbbb		
	03 30	0aaa aaaa	Reserved	
	03 31	0aaa aaaa	Reserved	
	03 32	0aaa aaaa	Reserved	
	03 33	0aaa aaaa	Reserved	
	03 34	0aaa aaaa	Reserved	
	03 35	0aaa aaaa	Reserved	
	03 36	0aaa aaaa	Reserved	

	03 37	0aaa aaaa	Reserved	
	03 38	0000 0aaa	Step 7 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	03 39	0000 0aaa	Step 7 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	03 3A	0000 0aaa	Step 7 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	03 3B	0000 0aaa	Step 7 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	03 3C	0000 0aaa	Step 7 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	03 3D	0000 0aaa	Step 7 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	03 3E	0000 0aaa	Step 7 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	03 3F	0000 0aaa	Step 7 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	03 40	0000 aaaa	Step 8 Note 1	(127 - 255)
	03 41	0000 bbbb		OFF, 0 -127
#	03 42	0000 aaaa	Step 8 Note 2	(127 - 255)
	03 43	0000 bbbb		OFF, 0 -127
#	03 44	0000 aaaa	Step 8 Note 3	(127 - 255)
	03 45	0000 bbbb		OFF, 0 -127
#	03 46	0000 aaaa	Step 8 Note 4	(127 - 255)
	03 47	0000 bbbb		OFF, 0 -127
#	03 48	0000 aaaa	Step 8 Note 5	(127 - 255)
	03 49	0000 bbbb		OFF, 0 -127
#	03 4A	0000 aaaa	Step 8 Note 6	(127 - 255)
	03 4B	0000 bbbb		OFF, 0 -127
#	03 4C	0000 aaaa	Step 8 Note 7	(127 - 255)
	03 4D	0000 bbbb		OFF, 0 -127
#	03 4E	0000 aaaa	Step 8 Note 8	(127 - 255)
	03 4F	0000 bbbb		OFF, 0 -127
	03 50	0aaa aaaa	Step 8 Velocity 1	(0 - 127)
	03 51	0aaa aaaa	Step 8 Velocity 2	(0 - 127)
	03 52	0aaa aaaa	Step 8 Velocity 3	(0 - 127)
	03 53	0aaa aaaa	Step 8 Velocity 4	(0 - 127)
	03 54	0aaa aaaa	Step 8 Velocity 5	(0 - 127)
	03 55	0aaa aaaa	Step 8 Velocity 6	(0 - 127)
	03 56	0aaa aaaa	Step 8 Velocity 7	(0 - 127)
	03 57	0aaa aaaa	Step 8 Velocity 8	(0 - 127)
	03 58	0aaa aaaa	Step 8 Gate 1	(0 - 101)
	03 59	0aaa aaaa	Step 8 Gate 2	0 - 100, TIE (0 - 101)
	03 5A	0aaa aaaa	Step 8 Gate 3	0 - 100, TIE (0 - 101)
	03 5B	0aaa aaaa	Step 8 Gate 4	0 - 100, TIE (0 - 101)
	03 5C	0aaa aaaa	Step 8 Gate 5	0 - 100, TIE (0 - 101)
	03 5D	0aaa aaaa	Step 8 Gate 6	0 - 100, TIE (0 - 101)
	03 5E	0aaa aaaa	Step 8 Gate 7	0 - 100, TIE (0 - 101)
	03 5F	0aaa aaaa	Step 8 Gate 8	0 - 100, TIE (0 - 101)
#	03 60	0000 aaaa	Step 8 CC Number 1	(127 - 255)
	03 61	0000 bbbb		-1 - 127
#	03 62	0000 aaaa	Step 8 CC Number 2	(127 - 255)
	03 63	0000 bbbb		-1 - 127
#	03 64	0000 aaaa	Step 8 CC Number 3	(127 - 255)
	03 65	0000 bbbb		-1 - 127
#	03 66	0000 aaaa	Step 8 CC Number 4	(127 - 255)
	03 67	0000 bbbb		-1 - 127
#	03 68	0000 aaaa	Step 8 CC Value 1	(0 - 255)
	03 69	0000 bbbb		
#	03 6A	0000 aaaa	Step 8 CC Value 2	(0 - 255)
	03 6B	0000 bbbb		
#	03 6C	0000 aaaa	Step 8 CC Value 3	(0 - 255)
	03 6D	0000 bbbb		
#	03 6E	0000 aaaa	Step 8 CC Value 4	(0 - 255)
	03 6F	0000 bbbb		
	03 70	0aaa aaaa	Reserved	

03 71	0aaa aaaa	Reserved	
03 72	0aaa aaaa	Reserved	
03 73	0aaa aaaa	Reserved	
03 74	0aaa aaaa	Reserved	
03 75	0aaa aaaa	Reserved	
03 76	0aaa aaaa	Reserved	
03 77	0aaa aaaa	Reserved	
03 78	0000 0aaa	Step 8 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
03 79	0000 0aaa	Step 8 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
03 7A	0000 0aaa	Step 8 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
03 7B	0000 0aaa	Step 8 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
03 7C	0000 0aaa	Step 8 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
03 7D	0000 0aaa	Step 8 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
03 7E	0000 0aaa	Step 8 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
03 7F	0000 0aaa	Step 8 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	04 00	0000 aaaa	
	04 01	0000 bbbb	Step 9 Note 1 (127 - 255) OFF, 0 -127
#	04 02	0000 aaaa	
	04 03	0000 bbbb	Step 9 Note 2 (127 - 255) OFF, 0 -127
#	04 04	0000 aaaa	
	04 05	0000 bbbb	Step 9 Note 3 (127 - 255) OFF, 0 -127
#	04 06	0000 aaaa	
	04 07	0000 bbbb	Step 9 Note 4 (127 - 255) OFF, 0 -127
#	04 08	0000 aaaa	
	04 09	0000 bbbb	Step 9 Note 5 (127 - 255) OFF, 0 -127
#	04 0A	0000 aaaa	
	04 0B	0000 bbbb	Step 9 Note 6 (127 - 255) OFF, 0 -127
#	04 0C	0000 aaaa	
	04 0D	0000 bbbb	Step 9 Note 7 (127 - 255) OFF, 0 -127
#	04 0E	0000 aaaa	
	04 0F	0000 bbbb	Step 9 Note 8 (127 - 255) OFF, 0 -127
	04 10	0aaa aaaa	Step 9 Velocity 1 (0 - 127)
	04 11	0aaa aaaa	Step 9 Velocity 2 (0 - 127)
	04 12	0aaa aaaa	Step 9 Velocity 3 (0 - 127)
	04 13	0aaa aaaa	Step 9 Velocity 4 (0 - 127)
	04 14	0aaa aaaa	Step 9 Velocity 5 (0 - 127)
	04 15	0aaa aaaa	Step 9 Velocity 6 (0 - 127)
	04 16	0aaa aaaa	Step 9 Velocity 7 (0 - 127)
	04 17	0aaa aaaa	Step 9 Velocity 8 (0 - 127)
	04 18	0aaa aaaa	Step 9 Gate 1 (0 - 101)
	04 19	0aaa aaaa	Step 9 Gate 2 0 - 100, TIE (0 - 101)
	04 1A	0aaa aaaa	Step 9 Gate 3 0 - 100, TIE (0 - 101)
	04 1B	0aaa aaaa	Step 9 Gate 4 0 - 100, TIE (0 - 101)
	04 1C	0aaa aaaa	Step 9 Gate 5 0 - 100, TIE (0 - 101)
	04 1D	0aaa aaaa	Step 9 Gate 6 0 - 100, TIE (0 - 101)
	04 1E	0aaa aaaa	Step 9 Gate 7 0 - 100, TIE (0 - 101)
	04 1F	0aaa aaaa	Step 9 Gate 8 0 - 100, TIE (0 - 101)
#	04 20	0000 aaaa	
	04 21	0000 bbbb	Step 9 CC Number 1 (127 - 255) -1 - 127
#	04 22	0000 aaaa	
	04 23	0000 bbbb	Step 9 CC Number 2 (127 - 255) -1 - 127
#	04 24	0000 aaaa	
	04 25	0000 bbbb	Step 9 CC Number 3 (127 - 255) -1 - 127
#	04 26	0000 aaaa	
	04 27	0000 bbbb	Step 9 CC Number 4 (127 - 255) -1 - 127
#	04 28	0000 aaaa	
	04 29	0000 bbbb	Step 9 CC Value 1 (0 - 255)
#	04 2A	0000 aaaa	

#	04 2B	0000 bbbb	Step 9 CC Value 2	(0 - 255)
	04 2C	0000 aaaa		
	04 2D	0000 bbbb	Step 9 CC Value 3	(0 - 255)
#	04 2E	0000 aaaa		
	04 2F	0000 bbbb	Step 9 CC Value 4	(0 - 255)
	04 30	0aaa aaaa	Reserved	
	04 31	0aaa aaaa	Reserved	
	04 32	0aaa aaaa	Reserved	
	04 33	0aaa aaaa	Reserved	
	04 34	0aaa aaaa	Reserved	
	04 35	0aaa aaaa	Reserved	
	04 36	0aaa aaaa	Reserved	
	04 37	0aaa aaaa	Reserved	
	04 38	0000 0aaa	Step 9 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 39	0000 0aaa	Step 9 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 3A	0000 0aaa	Step 9 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 3B	0000 0aaa	Step 9 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 3C	0000 0aaa	Step 9 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 3D	0000 0aaa	Step 9 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 3E	0000 0aaa	Step 9 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 3F	0000 0aaa	Step 9 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	04 40	0000 aaaa		
	04 41	0000 bbbb	Step 10 Note 1	(127 - 255) OFF, 0 -127
#	04 42	0000 aaaa		
	04 43	0000 bbbb	Step 10 Note 2	(127 - 255) OFF, 0 -127
#	04 44	0000 aaaa		
	04 45	0000 bbbb	Step 10 Note 3	(127 - 255) OFF, 0 -127
#	04 46	0000 aaaa		
	04 47	0000 bbbb	Step 10 Note 4	(127 - 255) OFF, 0 -127
#	04 48	0000 aaaa		
	04 49	0000 bbbb	Step 10 Note 5	(127 - 255) OFF, 0 -127
#	04 4A	0000 aaaa		
	04 4B	0000 bbbb	Step 10 Note 6	(127 - 255) OFF, 0 -127
#	04 4C	0000 aaaa		
	04 4D	0000 bbbb	Step 10 Note 7	(127 - 255) OFF, 0 -127
#	04 4E	0000 aaaa		
	04 4F	0000 bbbb	Step 10 Note 8	(127 - 255) OFF, 0 -127
	04 50	0aaa aaaa	Step 10 Velocity 1	(0 - 127)
	04 51	0aaa aaaa	Step 10 Velocity 2	(0 - 127)
	04 52	0aaa aaaa	Step 10 Velocity 3	(0 - 127)
	04 53	0aaa aaaa	Step 10 Velocity 4	(0 - 127)
	04 54	0aaa aaaa	Step 10 Velocity 5	(0 - 127)
	04 55	0aaa aaaa	Step 10 Velocity 6	(0 - 127)
	04 56	0aaa aaaa	Step 10 Velocity 7	(0 - 127)
	04 57	0aaa aaaa	Step 10 Velocity 8	(0 - 127)
	04 58	0aaa aaaa	Step 10 Gate 1	(0 - 101)
	04 59	0aaa aaaa	Step 10 Gate 2	0 - 100, TIE (0 - 101)
	04 5A	0aaa aaaa	Step 10 Gate 3	0 - 100, TIE (0 - 101)
	04 5B	0aaa aaaa	Step 10 Gate 4	0 - 100, TIE (0 - 101)
	04 5C	0aaa aaaa	Step 10 Gate 5	0 - 100, TIE (0 - 101)
	04 5D	0aaa aaaa	Step 10 Gate 6	0 - 100, TIE (0 - 101)
	04 5E	0aaa aaaa	Step 10 Gate 7	0 - 100, TIE (0 - 101)
	04 5F	0aaa aaaa	Step 10 Gate 8	0 - 100, TIE (0 - 101)
#	04 60	0000 aaaa		
	04 61	0000 bbbb	Step 10 CC Number 1	(127 - 255) -1 - 127
#	04 62	0000 aaaa		
	04 63	0000 bbbb	Step 10 CC Number 2	(127 - 255) -1 - 127
#	04 64	0000 aaaa		
	04 65	0000 bbbb	Step 10 CC Number 3	(127 - 255) -1 - 127

#	04 66	0000 aaaa		
	04 67	0000 bbbb	Step 10 CC Number 4	(127 - 255) -1 - 127
#	04 68	0000 aaaa		
	04 69	0000 bbbb	Step 10 CC Value 1	(0 - 255)
#	04 6A	0000 aaaa		
	04 6B	0000 bbbb	Step 10 CC Value 2	(0 - 255)
#	04 6C	0000 aaaa		
	04 6D	0000 bbbb	Step 10 CC Value 3	(0 - 255)
#	04 6E	0000 aaaa		
	04 6F	0000 bbbb	Step 10 CC Value 4	(0 - 255)
	04 70	0aaa aaaa	Reserved	
	04 71	0aaa aaaa	Reserved	
	04 72	0aaa aaaa	Reserved	
	04 73	0aaa aaaa	Reserved	
	04 74	0aaa aaaa	Reserved	
	04 75	0aaa aaaa	Reserved	
	04 76	0aaa aaaa	Reserved	
	04 77	0aaa aaaa	Reserved	
	04 78	0000 0aaa	Step 10 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 79	0000 0aaa	Step 10 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 7A	0000 0aaa	Step 10 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 7B	0000 0aaa	Step 10 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 7C	0000 0aaa	Step 10 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 7D	0000 0aaa	Step 10 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 7E	0000 0aaa	Step 10 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	04 7F	0000 0aaa	Step 10 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	05 00	0000 aaaa		
	05 01	0000 bbbb	Step 11 Note 1	(127 - 255) OFF, 0 -127
#	05 02	0000 aaaa		
	05 03	0000 bbbb	Step 11 Note 2	(127 - 255) OFF, 0 -127
#	05 04	0000 aaaa		
	05 05	0000 bbbb	Step 11 Note 3	(127 - 255) OFF, 0 -127
#	05 06	0000 aaaa		
	05 07	0000 bbbb	Step 11 Note 4	(127 - 255) OFF, 0 -127
#	05 08	0000 aaaa		
	05 09	0000 bbbb	Step 11 Note 5	(127 - 255) OFF, 0 -127
#	05 0A	0000 aaaa		
	05 0B	0000 bbbb	Step 11 Note 6	(127 - 255) OFF, 0 -127
#	05 0C	0000 aaaa		
	05 0D	0000 bbbb	Step 11 Note 7	(127 - 255) OFF, 0 -127
#	05 0E	0000 aaaa		
	05 0F	0000 bbbb	Step 11 Note 8	(127 - 255) OFF, 0 -127
	05 10	0aaa aaaa	Step 11 Velocity 1	(0 - 127)
	05 11	0aaa aaaa	Step 11 Velocity 2	(0 - 127)
	05 12	0aaa aaaa	Step 11 Velocity 3	(0 - 127)
	05 13	0aaa aaaa	Step 11 Velocity 4	(0 - 127)
	05 14	0aaa aaaa	Step 11 Velocity 5	(0 - 127)
	05 15	0aaa aaaa	Step 11 Velocity 6	(0 - 127)
	05 16	0aaa aaaa	Step 11 Velocity 7	(0 - 127)
	05 17	0aaa aaaa	Step 11 Velocity 8	(0 - 127)
	05 18	0aaa aaaa	Step 11 Gate 1	(0 - 101)
	05 19	0aaa aaaa	Step 11 Gate 2	0 - 100, TIE (0 - 101)
	05 1A	0aaa aaaa	Step 11 Gate 3	0 - 100, TIE (0 - 101)
	05 1B	0aaa aaaa	Step 11 Gate 4	0 - 100, TIE (0 - 101)
	05 1C	0aaa aaaa	Step 11 Gate 5	0 - 100, TIE (0 - 101)
	05 1D	0aaa aaaa	Step 11 Gate 6	0 - 100, TIE (0 - 101)
	05 1E	0aaa aaaa	Step 11 Gate 7	0 - 100, TIE (0 - 101)
	05 1F	0aaa aaaa	Step 11 Gate 8	0 - 100, TIE (0 - 101)
#	05 20	0000 aaaa		
	05 21	0000 bbbb	Step 11 CC Number 1	(127 - 255) -1 - 127

#	05 22	0000 aaaa	Step 11 CC Number 2	(127 - 255) -1 - 127
	05 23	0000 bbbb		
#	05 24	0000 aaaa	Step 11 CC Number 3	(127 - 255) -1 - 127
	05 25	0000 bbbb		
#	05 26	0000 aaaa	Step 11 CC Number 4	(127 - 255) -1 - 127
	05 27	0000 bbbb		
#	05 28	0000 aaaa	Step 11 CC Value 1	(0 - 255)
	05 29	0000 bbbb		
#	05 2A	0000 aaaa	Step 11 CC Value 2	(0 - 255)
	05 2B	0000 bbbb		
#	05 2C	0000 aaaa	Step 11 CC Value 3	(0 - 255)
	05 2D	0000 bbbb		
#	05 2E	0000 aaaa	Step 11 CC Value 4	(0 - 255)
	05 2F	0000 bbbb		
	05 30	0aaa aaaa	Reserved	
	05 31	0aaa aaaa	Reserved	
	05 32	0aaa aaaa	Reserved	
	05 33	0aaa aaaa	Reserved	
	05 34	0aaa aaaa	Reserved	
	05 35	0aaa aaaa	Reserved	
	05 36	0aaa aaaa	Reserved	
	05 37	0aaa aaaa	Reserved	
	05 38	0000 0aaa	Step 11 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 39	0000 0aaa	Step 11 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 3A	0000 0aaa	Step 11 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 3B	0000 0aaa	Step 11 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 3C	0000 0aaa	Step 11 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 3D	0000 0aaa	Step 11 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 3E	0000 0aaa	Step 11 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 3F	0000 0aaa	Step 11 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	05 40	0000 aaaa	Step 12 Note 1	(127 - 255) OFF, 0 -127
	05 41	0000 bbbb		
#	05 42	0000 aaaa	Step 12 Note 2	(127 - 255) OFF, 0 -127
	05 43	0000 bbbb		
#	05 44	0000 aaaa	Step 12 Note 3	(127 - 255) OFF, 0 -127
	05 45	0000 bbbb		
#	05 46	0000 aaaa	Step 12 Note 4	(127 - 255) OFF, 0 -127
	05 47	0000 bbbb		
#	05 48	0000 aaaa	Step 12 Note 5	(127 - 255) OFF, 0 -127
	05 49	0000 bbbb		
#	05 4A	0000 aaaa	Step 12 Note 6	(127 - 255) OFF, 0 -127
	05 4B	0000 bbbb		
#	05 4C	0000 aaaa	Step 12 Note 7	(127 - 255) OFF, 0 -127
	05 4D	0000 bbbb		
#	05 4E	0000 aaaa	Step 12 Note 8	(127 - 255) OFF, 0 -127
	05 4F	0000 bbbb		
	05 50	0aaa aaaa	Step 12 Velocity 1	(0 - 127)
	05 51	0aaa aaaa	Step 12 Velocity 2	(0 - 127)
	05 52	0aaa aaaa	Step 12 Velocity 3	(0 - 127)
	05 53	0aaa aaaa	Step 12 Velocity 4	(0 - 127)
	05 54	0aaa aaaa	Step 12 Velocity 5	(0 - 127)
	05 55	0aaa aaaa	Step 12 Velocity 6	(0 - 127)
	05 56	0aaa aaaa	Step 12 Velocity 7	(0 - 127)
	05 57	0aaa aaaa	Step 12 Velocity 8	(0 - 127)
	05 58	0aaa aaaa	Step 12 Gate 1	(0 - 101)
	05 59	0aaa aaaa	Step 12 Gate 2	0 - 100, TIE (0 - 101)
	05 5A	0aaa aaaa	Step 12 Gate 3	0 - 100, TIE (0 - 101)
	05 5B	0aaa aaaa	Step 12 Gate 4	0 - 100, TIE (0 - 101)
	05 5C	0aaa aaaa	Step 12 Gate 5	0 - 100, TIE (0 - 101)
	05 5D	0aaa aaaa	Step 12 Gate 6	0 - 100, TIE (0 - 101)
	05 5E	0aaa aaaa	Step 12 Gate 7	0 - 100, TIE (0 - 101)

	05 5F	0aaa aaaa	Step 12 Gate 8	0 - 100, TIE (0 - 101) 0 - 100, TIE
#	05 60	0000 aaaa	Step 12 CC Number 1	(127 - 255) -1 - 127
	05 61	0000 bbbb		
#	05 62	0000 aaaa	Step 12 CC Number 2	(127 - 255) -1 - 127
	05 63	0000 bbbb		
#	05 64	0000 aaaa	Step 12 CC Number 3	(127 - 255) -1 - 127
	05 65	0000 bbbb		
#	05 66	0000 aaaa	Step 12 CC Number 4	(127 - 255) -1 - 127
	05 67	0000 bbbb		
#	05 68	0000 aaaa	Step 12 CC Value 1	(0 - 255)
	05 69	0000 bbbb		
#	05 6A	0000 aaaa	Step 12 CC Value 2	(0 - 255)
	05 6B	0000 bbbb		
#	05 6C	0000 aaaa	Step 12 CC Value 3	(0 - 255)
	05 6D	0000 bbbb		
#	05 6E	0000 aaaa	Step 12 CC Value 4	(0 - 255)
	05 6F	0000 bbbb		
	05 70	0aaa aaaa	Reserved	
	05 71	0aaa aaaa	Reserved	
	05 72	0aaa aaaa	Reserved	
	05 73	0aaa aaaa	Reserved	
	05 74	0aaa aaaa	Reserved	
	05 75	0aaa aaaa	Reserved	
	05 76	0aaa aaaa	Reserved	
	05 77	0aaa aaaa	Reserved	
	05 78	0000 0aaa	Step 12 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 79	0000 0aaa	Step 12 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 7A	0000 0aaa	Step 12 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 7B	0000 0aaa	Step 12 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 7C	0000 0aaa	Step 12 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 7D	0000 0aaa	Step 12 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 7E	0000 0aaa	Step 12 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	05 7F	0000 0aaa	Step 12 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	06 00	0000 aaaa	Step 13 Note 1	(127 - 255) OFF, 0 -127
	06 01	0000 bbbb		
#	06 02	0000 aaaa	Step 13 Note 2	(127 - 255) OFF, 0 -127
	06 03	0000 bbbb		
#	06 04	0000 aaaa	Step 13 Note 3	(127 - 255) OFF, 0 -127
	06 05	0000 bbbb		
#	06 06	0000 aaaa	Step 13 Note 4	(127 - 255) OFF, 0 -127
	06 07	0000 bbbb		
#	06 08	0000 aaaa	Step 13 Note 5	(127 - 255) OFF, 0 -127
	06 09	0000 bbbb		
#	06 0A	0000 aaaa	Step 13 Note 6	(127 - 255) OFF, 0 -127
	06 0B	0000 bbbb		
#	06 0C	0000 aaaa	Step 13 Note 7	(127 - 255) OFF, 0 -127
	06 0D	0000 bbbb		
#	06 0E	0000 aaaa	Step 13 Note 8	(127 - 255) OFF, 0 -127
	06 0F	0000 bbbb		
	06 10	0aaa aaaa	Step 13 Velocity 1	(0 - 127)
	06 11	0aaa aaaa	Step 13 Velocity 2	(0 - 127)
	06 12	0aaa aaaa	Step 13 Velocity 3	(0 - 127)
	06 13	0aaa aaaa	Step 13 Velocity 4	(0 - 127)
	06 14	0aaa aaaa	Step 13 Velocity 5	(0 - 127)
	06 15	0aaa aaaa	Step 13 Velocity 6	(0 - 127)
	06 16	0aaa aaaa	Step 13 Velocity 7	(0 - 127)
	06 17	0aaa aaaa	Step 13 Velocity 8	(0 - 127)
	06 18	0aaa aaaa	Step 13 Gate 1	(0 - 101) 0 - 100, TIE
	06 19	0aaa aaaa	Step 13 Gate 2	(0 - 101) 0 - 100, TIE
	06 1A	0aaa aaaa	Step 13 Gate 3	(0 - 101) 0 - 100, TIE
	06 1B	0aaa aaaa	Step 13 Gate 4	(0 - 101)

	06 1C	0aaa aaaa	Step 13 Gate 5	0 - 100, TIE (0 - 101)
	06 1D	0aaa aaaa	Step 13 Gate 6	0 - 100, TIE (0 - 101)
	06 1E	0aaa aaaa	Step 13 Gate 7	0 - 100, TIE (0 - 101)
	06 1F	0aaa aaaa	Step 13 Gate 8	0 - 100, TIE (0 - 101)
#	06 20	0000 aaaa	Step 13 CC Number 1	(127 - 255) -1 - 127
	06 21	0000 bbbb		
#	06 22	0000 aaaa	Step 13 CC Number 2	(127 - 255) -1 - 127
	06 23	0000 bbbb		
#	06 24	0000 aaaa	Step 13 CC Number 3	(127 - 255) -1 - 127
	06 25	0000 bbbb		
#	06 26	0000 aaaa	Step 13 CC Number 4	(127 - 255) -1 - 127
	06 27	0000 bbbb		
#	06 28	0000 aaaa	Step 13 CC Value 1	(0 - 255)
	06 29	0000 bbbb		
#	06 2A	0000 aaaa	Step 13 CC Value 2	(0 - 255)
	06 2B	0000 bbbb		
#	06 2C	0000 aaaa	Step 13 CC Value 3	(0 - 255)
	06 2D	0000 bbbb		
#	06 2E	0000 aaaa	Step 13 CC Value 4	(0 - 255)
	06 2F	0000 bbbb		
	06 30	0aaa aaaa	Reserved	
	06 31	0aaa aaaa	Reserved	
	06 32	0aaa aaaa	Reserved	
	06 33	0aaa aaaa	Reserved	
	06 34	0aaa aaaa	Reserved	
	06 35	0aaa aaaa	Reserved	
	06 36	0aaa aaaa	Reserved	
	06 37	0aaa aaaa	Reserved	
	06 38	0000 0aaa	Step 13 Sub Step 1	(0 - 4)
	06 39	0000 0aaa	Step 13 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 3A	0000 0aaa	Step 13 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 3B	0000 0aaa	Step 13 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 3C	0000 0aaa	Step 13 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 3D	0000 0aaa	Step 13 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 3E	0000 0aaa	Step 13 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 3F	0000 0aaa	Step 13 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	06 40	0000 aaaa	Step 14 Note 1	(127 - 255) OFF, 0 -127
	06 41	0000 bbbb		
#	06 42	0000 aaaa	Step 14 Note 2	(127 - 255) OFF, 0 -127
	06 43	0000 bbbb		
#	06 44	0000 aaaa	Step 14 Note 3	(127 - 255) OFF, 0 -127
	06 45	0000 bbbb		
#	06 46	0000 aaaa	Step 14 Note 4	(127 - 255) OFF, 0 -127
	06 47	0000 bbbb		
#	06 48	0000 aaaa	Step 14 Note 5	(127 - 255) OFF, 0 -127
	06 49	0000 bbbb		
#	06 4A	0000 aaaa	Step 14 Note 6	(127 - 255) OFF, 0 -127
	06 4B	0000 bbbb		
#	06 4C	0000 aaaa	Step 14 Note 7	(127 - 255) OFF, 0 -127
	06 4D	0000 bbbb		
#	06 4E	0000 aaaa	Step 14 Note 8	(127 - 255) OFF, 0 -127
	06 4F	0000 bbbb		
	06 50	0aaa aaaa	Step 14 Velocity 1	(0 - 127)
	06 51	0aaa aaaa	Step 14 Velocity 2	(0 - 127)
	06 52	0aaa aaaa	Step 14 Velocity 3	(0 - 127)
	06 53	0aaa aaaa	Step 14 Velocity 4	(0 - 127)
	06 54	0aaa aaaa	Step 14 Velocity 5	(0 - 127)
	06 55	0aaa aaaa	Step 14 Velocity 6	(0 - 127)
	06 56	0aaa aaaa	Step 14 Velocity 7	(0 - 127)
	06 57	0aaa aaaa	Step 14 Velocity 8	(0 - 127)
	06 58	0aaa aaaa	Step 14 Gate 1	(0 - 101)

	06 59	0aaa aaaa	Step 14 Gate 2	0 - 100, TIE (0 - 101)
	06 5A	0aaa aaaa	Step 14 Gate 3	0 - 100, TIE (0 - 101)
	06 5B	0aaa aaaa	Step 14 Gate 4	0 - 100, TIE (0 - 101)
	06 5C	0aaa aaaa	Step 14 Gate 5	0 - 100, TIE (0 - 101)
	06 5D	0aaa aaaa	Step 14 Gate 6	0 - 100, TIE (0 - 101)
	06 5E	0aaa aaaa	Step 14 Gate 7	0 - 100, TIE (0 - 101)
	06 5F	0aaa aaaa	Step 14 Gate 8	0 - 100, TIE (0 - 101)
#	06 60	0000 aaaa	Step 14 CC Number 1	(127 - 255) -1 - 127
	06 61	0000 bbbb		
#	06 62	0000 aaaa	Step 14 CC Number 2	(127 - 255) -1 - 127
	06 63	0000 bbbb		
#	06 64	0000 aaaa	Step 14 CC Number 3	(127 - 255) -1 - 127
	06 65	0000 bbbb		
#	06 66	0000 aaaa	Step 14 CC Number 4	(127 - 255) -1 - 127
	06 67	0000 bbbb		
#	06 68	0000 aaaa	Step 14 CC Value 1	(0 - 255)
	06 69	0000 bbbb		
#	06 6A	0000 aaaa	Step 14 CC Value 2	(0 - 255)
	06 6B	0000 bbbb		
#	06 6C	0000 aaaa	Step 14 CC Value 3	(0 - 255)
	06 6D	0000 bbbb		
#	06 6E	0000 aaaa	Step 14 CC Value 4	(0 - 255)
	06 6F	0000 bbbb		
	06 70	0aaa aaaa	Reserved	
	06 71	0aaa aaaa	Reserved	
	06 72	0aaa aaaa	Reserved	
	06 73	0aaa aaaa	Reserved	
	06 74	0aaa aaaa	Reserved	
	06 75	0aaa aaaa	Reserved	
	06 76	0aaa aaaa	Reserved	
	06 77	0aaa aaaa	Reserved	
	06 78	0000 0aaa	Step 14 Sub Step 1	(0 - 4)
	06 79	0000 0aaa	Step 14 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 7A	0000 0aaa	Step 14 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 7B	0000 0aaa	Step 14 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 7C	0000 0aaa	Step 14 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 7D	0000 0aaa	Step 14 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 7E	0000 0aaa	Step 14 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	06 7F	0000 0aaa	Step 14 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	07 00	0000 aaaa	Step 15 Note 1	(127 - 255) OFF, 0 -127
	07 01	0000 bbbb		
#	07 02	0000 aaaa	Step 15 Note 2	(127 - 255) OFF, 0 -127
	07 03	0000 bbbb		
#	07 04	0000 aaaa	Step 15 Note 3	(127 - 255) OFF, 0 -127
	07 05	0000 bbbb		
#	07 06	0000 aaaa	Step 15 Note 4	(127 - 255) OFF, 0 -127
	07 07	0000 bbbb		
#	07 08	0000 aaaa	Step 15 Note 5	(127 - 255) OFF, 0 -127
	07 09	0000 bbbb		
#	07 0A	0000 aaaa	Step 15 Note 6	(127 - 255) OFF, 0 -127
	07 0B	0000 bbbb		
#	07 0C	0000 aaaa	Step 15 Note 7	(127 - 255) OFF, 0 -127
	07 0D	0000 bbbb		
#	07 0E	0000 aaaa	Step 15 Note 8	(127 - 255) OFF, 0 -127
	07 0F	0000 bbbb		
	07 10	0aaa aaaa	Step 15 Velocity 1	(0 - 127)
	07 11	0aaa aaaa	Step 15 Velocity 2	(0 - 127)
	07 12	0aaa aaaa	Step 15 Velocity 3	(0 - 127)

	07 13	0aaa aaaa	Step 15 Velocity 4	(0 - 127)
	07 14	0aaa aaaa	Step 15 Velocity 5	(0 - 127)
	07 15	0aaa aaaa	Step 15 Velocity 6	(0 - 127)
	07 16	0aaa aaaa	Step 15 Velocity 7	(0 - 127)
	07 17	0aaa aaaa	Step 15 Velocity 8	(0 - 127)
	07 18	0aaa aaaa	Step 15 Gate 1	(0 - 101)
				0 - 100, TIE
	07 19	0aaa aaaa	Step 15 Gate 2	(0 - 101)
				0 - 100, TIE
	07 1A	0aaa aaaa	Step 15 Gate 3	(0 - 101)
				0 - 100, TIE
	07 1B	0aaa aaaa	Step 15 Gate 4	(0 - 101)
				0 - 100, TIE
	07 1C	0aaa aaaa	Step 15 Gate 5	(0 - 101)
				0 - 100, TIE
	07 1D	0aaa aaaa	Step 15 Gate 6	(0 - 101)
				0 - 100, TIE
	07 1E	0aaa aaaa	Step 15 Gate 7	(0 - 101)
				0 - 100, TIE
	07 1F	0aaa aaaa	Step 15 Gate 8	(0 - 101)
				0 - 100, TIE
#	07 20	0000 aaaa		
	07 21	0000 bbbb	Step 15 CC Number 1	(127 - 255)
				-1 - 127
#	07 22	0000 aaaa		
	07 23	0000 bbbb	Step 15 CC Number 2	(127 - 255)
				-1 - 127
#	07 24	0000 aaaa		
	07 25	0000 bbbb	Step 15 CC Number 3	(127 - 255)
				-1 - 127
#	07 26	0000 aaaa		
	07 27	0000 bbbb	Step 15 CC Number 4	(127 - 255)
				-1 - 127
#	07 28	0000 aaaa		
	07 29	0000 bbbb	Step 15 CC Value 1	(0 - 255)
#	07 2A	0000 aaaa		
	07 2B	0000 bbbb	Step 15 CC Value 2	(0 - 255)
#	07 2C	0000 aaaa		
	07 2D	0000 bbbb	Step 15 CC Value 3	(0 - 255)
#	07 2E	0000 aaaa		
	07 2F	0000 bbbb	Step 15 CC Value 4	(0 - 255)
	07 30	0aaa aaaa	Reserved	
	07 31	0aaa aaaa	Reserved	
	07 32	0aaa aaaa	Reserved	
	07 33	0aaa aaaa	Reserved	
	07 34	0aaa aaaa	Reserved	
	07 35	0aaa aaaa	Reserved	
	07 36	0aaa aaaa	Reserved	
	07 37	0aaa aaaa	Reserved	
	07 38	0000 0aaa	Step 15 Sub Step 1	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	07 39	0000 0aaa	Step 15 Sub Step 2	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	07 3A	0000 0aaa	Step 15 Sub Step 3	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	07 3B	0000 0aaa	Step 15 Sub Step 4	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	07 3C	0000 0aaa	Step 15 Sub Step 5	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	07 3D	0000 0aaa	Step 15 Sub Step 6	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	07 3E	0000 0aaa	Step 15 Sub Step 7	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	07 3F	0000 0aaa	Step 15 Sub Step 8	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
#	07 40	0000 aaaa		
	07 41	0000 bbbb	Step 16 Note 1	(127 - 255)
				OFF, 0 -127
#	07 42	0000 aaaa		
	07 43	0000 bbbb	Step 16 Note 2	(127 - 255)
				OFF, 0 -127
#	07 44	0000 aaaa		
	07 45	0000 bbbb	Step 16 Note 3	(127 - 255)
				OFF, 0 -127
#	07 46	0000 aaaa		
	07 47	0000 bbbb	Step 16 Note 4	(127 - 255)
				OFF, 0 -127
#	07 48	0000 aaaa		
	07 49	0000 bbbb	Step 16 Note 5	(127 - 255)
				OFF, 0 -127
#	07 4A	0000 aaaa		
	07 4B	0000 bbbb	Step 16 Note 6	(127 - 255)
				OFF, 0 -127
#	07 4C	0000 aaaa		
	07 4D	0000 bbbb	Step 16 Note 7	(127 - 255)
				OFF, 0 -127

#	07 4E	0000 aaaa		
	07 4F	0000 bbbb	Step 16 Note 8	(127 - 255) OFF, 0 -127
	07 50	0aaa aaaa	Step 16 Velocity 1	(0 - 127)
	07 51	0aaa aaaa	Step 16 Velocity 2	(0 - 127)
	07 52	0aaa aaaa	Step 16 Velocity 3	(0 - 127)
	07 53	0aaa aaaa	Step 16 Velocity 4	(0 - 127)
	07 54	0aaa aaaa	Step 16 Velocity 5	(0 - 127)
	07 55	0aaa aaaa	Step 16 Velocity 6	(0 - 127)
	07 56	0aaa aaaa	Step 16 Velocity 7	(0 - 127)
	07 57	0aaa aaaa	Step 16 Velocity 8	(0 - 127)
	07 58	0aaa aaaa	Step 16 Gate 1	(0 - 101)
	07 59	0aaa aaaa	Step 16 Gate 2	0 - 100, TIE (0 - 101)
	07 5A	0aaa aaaa	Step 16 Gate 3	0 - 100, TIE (0 - 101)
	07 5B	0aaa aaaa	Step 16 Gate 4	0 - 100, TIE (0 - 101)
	07 5C	0aaa aaaa	Step 16 Gate 5	0 - 100, TIE (0 - 101)
	07 5D	0aaa aaaa	Step 16 Gate 6	0 - 100, TIE (0 - 101)
	07 5E	0aaa aaaa	Step 16 Gate 7	0 - 100, TIE (0 - 101)
	07 5F	0aaa aaaa	Step 16 Gate 8	0 - 100, TIE (0 - 101)
#	07 60	0000 aaaa		
	07 61	0000 bbbb	Step 16 CC Number 1	(127 - 255) -1 - 127
#	07 62	0000 aaaa		
	07 63	0000 bbbb	Step 16 CC Number 2	(127 - 255) -1 - 127
#	07 64	0000 aaaa		
	07 65	0000 bbbb	Step 16 CC Number 3	(127 - 255) -1 - 127
#	07 66	0000 aaaa		
	07 67	0000 bbbb	Step 16 CC Number 4	(127 - 255) -1 - 127
#	07 68	0000 aaaa		
	07 69	0000 bbbb	Step 16 CC Value 1	(0 - 255)
#	07 6A	0000 aaaa		
	07 6B	0000 bbbb	Step 16 CC Value 2	(0 - 255)
#	07 6C	0000 aaaa		
	07 6D	0000 bbbb	Step 16 CC Value 3	(0 - 255)
#	07 6E	0000 aaaa		
	07 6F	0000 bbbb	Step 16 CC Value 4	(0 - 255)
	07 70	0aaa aaaa	Reserved	
	07 71	0aaa aaaa	Reserved	
	07 72	0aaa aaaa	Reserved	
	07 73	0aaa aaaa	Reserved	
	07 74	0aaa aaaa	Reserved	
	07 75	0aaa aaaa	Reserved	
	07 76	0aaa aaaa	Reserved	
	07 77	0aaa aaaa	Reserved	
	07 78	0000 0aaa	Step 16 Sub Step 1	(0 - 4)
	07 79	0000 0aaa	Step 16 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	07 7A	0000 0aaa	Step 16 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	07 7B	0000 0aaa	Step 16 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	07 7C	0000 0aaa	Step 16 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	07 7D	0000 0aaa	Step 16 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	07 7E	0000 0aaa	Step 16 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	07 7F	0000 0aaa	Step 16 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	08 00	0000 aaaa		
	08 01	0000 bbbb	Step 17 Note 1	(127 - 255) OFF, 0 -127
#	08 02	0000 aaaa		
	08 03	0000 bbbb	Step 17 Note 2	(127 - 255) OFF, 0 -127
#	08 04	0000 aaaa		
	08 05	0000 bbbb	Step 17 Note 3	(127 - 255) OFF, 0 -127
#	08 06	0000 aaaa		
	08 07	0000 bbbb	Step 17 Note 4	(127 - 255) OFF, 0 -127
#	08 08	0000 aaaa		
	08 09	0000 bbbb	Step 17 Note 5	(127 - 255) OFF, 0 -127

#	08 0A	0000 aaaa		
	08 0B	0000 bbbb	Step 17 Note 6	(127 - 255) OFF, 0 -127
#	08 0C	0000 aaaa		
	08 0D	0000 bbbb	Step 17 Note 7	(127 - 255) OFF, 0 -127
#	08 0E	0000 aaaa		
	08 0F	0000 bbbb	Step 17 Note 8	(127 - 255) OFF, 0 -127
	08 10	0aaa aaaa	Step 17 Velocity 1	(0 - 127)
	08 11	0aaa aaaa	Step 17 Velocity 2	(0 - 127)
	08 12	0aaa aaaa	Step 17 Velocity 3	(0 - 127)
	08 13	0aaa aaaa	Step 17 Velocity 4	(0 - 127)
	08 14	0aaa aaaa	Step 17 Velocity 5	(0 - 127)
	08 15	0aaa aaaa	Step 17 Velocity 6	(0 - 127)
	08 16	0aaa aaaa	Step 17 Velocity 7	(0 - 127)
	08 17	0aaa aaaa	Step 17 Velocity 8	(0 - 127)
	08 18	0aaa aaaa	Step 17 Gate 1	(0 - 101)
				0 - 100, TIE
	08 19	0aaa aaaa	Step 17 Gate 2	(0 - 101)
				0 - 100, TIE
	08 1A	0aaa aaaa	Step 17 Gate 3	(0 - 101)
				0 - 100, TIE
	08 1B	0aaa aaaa	Step 17 Gate 4	(0 - 101)
				0 - 100, TIE
	08 1C	0aaa aaaa	Step 17 Gate 5	(0 - 101)
				0 - 100, TIE
	08 1D	0aaa aaaa	Step 17 Gate 6	(0 - 101)
				0 - 100, TIE
	08 1E	0aaa aaaa	Step 17 Gate 7	(0 - 101)
				0 - 100, TIE
	08 1F	0aaa aaaa	Step 17 Gate 8	(0 - 101)
				0 - 100, TIE
#	08 20	0000 aaaa		
	08 21	0000 bbbb	Step 17 CC Number 1	(127 - 255) -1 - 127
#	08 22	0000 aaaa		
	08 23	0000 bbbb	Step 17 CC Number 2	(127 - 255) -1 - 127
#	08 24	0000 aaaa		
	08 25	0000 bbbb	Step 17 CC Number 3	(127 - 255) -1 - 127
#	08 26	0000 aaaa		
	08 27	0000 bbbb	Step 17 CC Number 4	(127 - 255) -1 - 127
#	08 28	0000 aaaa		
	08 29	0000 bbbb	Step 17 CC Value 1	(0 - 255)
#	08 2A	0000 aaaa		
	08 2B	0000 bbbb	Step 17 CC Value 2	(0 - 255)
#	08 2C	0000 aaaa		
	08 2D	0000 bbbb	Step 17 CC Value 3	(0 - 255)
#	08 2E	0000 aaaa		
	08 2F	0000 bbbb	Step 17 CC Value 4	(0 - 255)
	08 30	0aaa aaaa	Reserved	
	08 31	0aaa aaaa	Reserved	
	08 32	0aaa aaaa	Reserved	
	08 33	0aaa aaaa	Reserved	
	08 34	0aaa aaaa	Reserved	
	08 35	0aaa aaaa	Reserved	
	08 36	0aaa aaaa	Reserved	
	08 37	0aaa aaaa	Reserved	
	08 38	0000 0aaa	Step 17 Sub Step 1	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	08 39	0000 0aaa	Step 17 Sub Step 2	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	08 3A	0000 0aaa	Step 17 Sub Step 3	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	08 3B	0000 0aaa	Step 17 Sub Step 4	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	08 3C	0000 0aaa	Step 17 Sub Step 5	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	08 3D	0000 0aaa	Step 17 Sub Step 6	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	08 3E	0000 0aaa	Step 17 Sub Step 7	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	08 3F	0000 0aaa	Step 17 Sub Step 8	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
#	08 40	0000 aaaa		
	08 41	0000 bbbb	Step 18 Note 1	(127 - 255) OFF, 0 -127
#	08 42	0000 aaaa		
	08 43	0000 bbbb	Step 18 Note 2	(127 - 255) OFF, 0 -127
#	08 44	0000 aaaa		
	08 45	0000 bbbb	Step 18 Note 3	(127 - 255) OFF, 0 -127

#	08 46	0000 aaaa		
	08 47	0000 bbbb	Step 18 Note 4	(127 - 255) OFF, 0 -127
#	08 48	0000 aaaa		
	08 49	0000 bbbb	Step 18 Note 5	(127 - 255) OFF, 0 -127
#	08 4A	0000 aaaa		
	08 4B	0000 bbbb	Step 18 Note 6	(127 - 255) OFF, 0 -127
#	08 4C	0000 aaaa		
	08 4D	0000 bbbb	Step 18 Note 7	(127 - 255) OFF, 0 -127
#	08 4E	0000 aaaa		
	08 4F	0000 bbbb	Step 18 Note 8	(127 - 255) OFF, 0 -127
	08 50	0aaa aaaa	Step 18 Velocity 1	(0 - 127)
	08 51	0aaa aaaa	Step 18 Velocity 2	(0 - 127)
	08 52	0aaa aaaa	Step 18 Velocity 3	(0 - 127)
	08 53	0aaa aaaa	Step 18 Velocity 4	(0 - 127)
	08 54	0aaa aaaa	Step 18 Velocity 5	(0 - 127)
	08 55	0aaa aaaa	Step 18 Velocity 6	(0 - 127)
	08 56	0aaa aaaa	Step 18 Velocity 7	(0 - 127)
	08 57	0aaa aaaa	Step 18 Velocity 8	(0 - 127)
	08 58	0aaa aaaa	Step 18 Gate 1	(0 - 101)
	08 59	0aaa aaaa	Step 18 Gate 2	0 - 100, TIE (0 - 101)
	08 5A	0aaa aaaa	Step 18 Gate 3	0 - 100, TIE (0 - 101)
	08 5B	0aaa aaaa	Step 18 Gate 4	0 - 100, TIE (0 - 101)
	08 5C	0aaa aaaa	Step 18 Gate 5	0 - 100, TIE (0 - 101)
	08 5D	0aaa aaaa	Step 18 Gate 6	0 - 100, TIE (0 - 101)
	08 5E	0aaa aaaa	Step 18 Gate 7	0 - 100, TIE (0 - 101)
	08 5F	0aaa aaaa	Step 18 Gate 8	0 - 100, TIE (0 - 101)
#	08 60	0000 aaaa		
	08 61	0000 bbbb	Step 18 CC Number 1	(127 - 255) -1 - 127
#	08 62	0000 aaaa		
	08 63	0000 bbbb	Step 18 CC Number 2	(127 - 255) -1 - 127
#	08 64	0000 aaaa		
	08 65	0000 bbbb	Step 18 CC Number 3	(127 - 255) -1 - 127
#	08 66	0000 aaaa		
	08 67	0000 bbbb	Step 18 CC Number 4	(127 - 255) -1 - 127
#	08 68	0000 aaaa		
	08 69	0000 bbbb	Step 18 CC Value 1	(0 - 255)
#	08 6A	0000 aaaa		
	08 6B	0000 bbbb	Step 18 CC Value 2	(0 - 255)
#	08 6C	0000 aaaa		
	08 6D	0000 bbbb	Step 18 CC Value 3	(0 - 255)
#	08 6E	0000 aaaa		
	08 6F	0000 bbbb	Step 18 CC Value 4	(0 - 255)
	08 70	0aaa aaaa	Reserved	
	08 71	0aaa aaaa	Reserved	
	08 72	0aaa aaaa	Reserved	
	08 73	0aaa aaaa	Reserved	
	08 74	0aaa aaaa	Reserved	
	08 75	0aaa aaaa	Reserved	
	08 76	0aaa aaaa	Reserved	
	08 77	0aaa aaaa	Reserved	
	08 78	0000 0aaa	Step 18 Sub Step 1	(0 - 4)
	08 79	0000 0aaa	Step 18 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	08 7A	0000 0aaa	Step 18 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	08 7B	0000 0aaa	Step 18 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	08 7C	0000 0aaa	Step 18 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	08 7D	0000 0aaa	Step 18 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	08 7E	0000 0aaa	Step 18 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	08 7F	0000 0aaa	Step 18 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	09 00	0000 aaaa		
	09 01	0000 bbbb	Step 19 Note 1	(127 - 255) OFF, 0 -127

#	09 02	0000 aaaa		
	09 03	0000 bbbb	Step 19 Note 2	(127 - 255) OFF, 0 -127
#	09 04	0000 aaaa		
	09 05	0000 bbbb	Step 19 Note 3	(127 - 255) OFF, 0 -127
#	09 06	0000 aaaa		
	09 07	0000 bbbb	Step 19 Note 4	(127 - 255) OFF, 0 -127
#	09 08	0000 aaaa		
	09 09	0000 bbbb	Step 19 Note 5	(127 - 255) OFF, 0 -127
#	09 0A	0000 aaaa		
	09 0B	0000 bbbb	Step 19 Note 6	(127 - 255) OFF, 0 -127
#	09 0C	0000 aaaa		
	09 0D	0000 bbbb	Step 19 Note 7	(127 - 255) OFF, 0 -127
#	09 0E	0000 aaaa		
	09 0F	0000 bbbb	Step 19 Note 8	(127 - 255) OFF, 0 -127
	09 10	0aaa aaaa	Step 19 Velocity 1	(0 - 127)
	09 11	0aaa aaaa	Step 19 Velocity 2	(0 - 127)
	09 12	0aaa aaaa	Step 19 Velocity 3	(0 - 127)
	09 13	0aaa aaaa	Step 19 Velocity 4	(0 - 127)
	09 14	0aaa aaaa	Step 19 Velocity 5	(0 - 127)
	09 15	0aaa aaaa	Step 19 Velocity 6	(0 - 127)
	09 16	0aaa aaaa	Step 19 Velocity 7	(0 - 127)
	09 17	0aaa aaaa	Step 19 Velocity 8	(0 - 127)
	09 18	0aaa aaaa	Step 19 Gate 1	(0 - 101)
	09 19	0aaa aaaa	Step 19 Gate 2	0 - 100, TIE (0 - 101)
	09 1A	0aaa aaaa	Step 19 Gate 3	0 - 100, TIE (0 - 101)
	09 1B	0aaa aaaa	Step 19 Gate 4	0 - 100, TIE (0 - 101)
	09 1C	0aaa aaaa	Step 19 Gate 5	0 - 100, TIE (0 - 101)
	09 1D	0aaa aaaa	Step 19 Gate 6	0 - 100, TIE (0 - 101)
	09 1E	0aaa aaaa	Step 19 Gate 7	0 - 100, TIE (0 - 101)
	09 1F	0aaa aaaa	Step 19 Gate 8	0 - 100, TIE (0 - 101)
#	09 20	0000 aaaa		
	09 21	0000 bbbb	Step 19 CC Number 1	(127 - 255) -1 - 127
#	09 22	0000 aaaa		
	09 23	0000 bbbb	Step 19 CC Number 2	(127 - 255) -1 - 127
#	09 24	0000 aaaa		
	09 25	0000 bbbb	Step 19 CC Number 3	(127 - 255) -1 - 127
#	09 26	0000 aaaa		
	09 27	0000 bbbb	Step 19 CC Number 4	(127 - 255) -1 - 127
#	09 28	0000 aaaa		
	09 29	0000 bbbb	Step 19 CC Value 1	(0 - 255)
#	09 2A	0000 aaaa		
	09 2B	0000 bbbb	Step 19 CC Value 2	(0 - 255)
#	09 2C	0000 aaaa		
	09 2D	0000 bbbb	Step 19 CC Value 3	(0 - 255)
#	09 2E	0000 aaaa		
	09 2F	0000 bbbb	Step 19 CC Value 4	(0 - 255)
	09 30	0aaa aaaa	Reserved	
	09 31	0aaa aaaa	Reserved	
	09 32	0aaa aaaa	Reserved	
	09 33	0aaa aaaa	Reserved	
	09 34	0aaa aaaa	Reserved	
	09 35	0aaa aaaa	Reserved	
	09 36	0aaa aaaa	Reserved	
	09 37	0aaa aaaa	Reserved	
	09 38	0000 0aaa	Step 19 Sub Step 1	(0 - 4)
	09 39	0000 0aaa	Step 19 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	09 3A	0000 0aaa	Step 19 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	09 3B	0000 0aaa	Step 19 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	09 3C	0000 0aaa	Step 19 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	09 3D	0000 0aaa	Step 19 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	09 3E	0000 0aaa	Step 19 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)

	09 3F	0000 0aaa	Step 19 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	09 40	0000 aaaa	Step 20 Note 1	(127 - 255) OFF, 0 -127
	09 41	0000 bbbb		
#	09 42	0000 aaaa	Step 20 Note 2	(127 - 255) OFF, 0 -127
	09 43	0000 bbbb		
#	09 44	0000 aaaa	Step 20 Note 3	(127 - 255) OFF, 0 -127
	09 45	0000 bbbb		
#	09 46	0000 aaaa	Step 20 Note 4	(127 - 255) OFF, 0 -127
	09 47	0000 bbbb		
#	09 48	0000 aaaa	Step 20 Note 5	(127 - 255) OFF, 0 -127
	09 49	0000 bbbb		
#	09 4A	0000 aaaa	Step 20 Note 6	(127 - 255) OFF, 0 -127
	09 4B	0000 bbbb		
#	09 4C	0000 aaaa	Step 20 Note 7	(127 - 255) OFF, 0 -127
	09 4D	0000 bbbb		
#	09 4E	0000 aaaa	Step 20 Note 8	(127 - 255) OFF, 0 -127
	09 4F	0000 bbbb		
	09 50	0aaa aaaa	Step 20 Velocity 1	(0 - 127)
	09 51	0aaa aaaa	Step 20 Velocity 2	(0 - 127)
	09 52	0aaa aaaa	Step 20 Velocity 3	(0 - 127)
	09 53	0aaa aaaa	Step 20 Velocity 4	(0 - 127)
	09 54	0aaa aaaa	Step 20 Velocity 5	(0 - 127)
	09 55	0aaa aaaa	Step 20 Velocity 6	(0 - 127)
	09 56	0aaa aaaa	Step 20 Velocity 7	(0 - 127)
	09 57	0aaa aaaa	Step 20 Velocity 8	(0 - 127)
	09 58	0aaa aaaa	Step 20 Gate 1	(0 - 101)
	09 59	0aaa aaaa	Step 20 Gate 2	0 - 100, TIE (0 - 101)
	09 5A	0aaa aaaa	Step 20 Gate 3	0 - 100, TIE (0 - 101)
	09 5B	0aaa aaaa	Step 20 Gate 4	0 - 100, TIE (0 - 101)
	09 5C	0aaa aaaa	Step 20 Gate 5	0 - 100, TIE (0 - 101)
	09 5D	0aaa aaaa	Step 20 Gate 6	0 - 100, TIE (0 - 101)
	09 5E	0aaa aaaa	Step 20 Gate 7	0 - 100, TIE (0 - 101)
	09 5F	0aaa aaaa	Step 20 Gate 8	0 - 100, TIE (0 - 101)
#	09 60	0000 aaaa	Step 20 CC Number 1	(127 - 255) -1 - 127
	09 61	0000 bbbb		
#	09 62	0000 aaaa	Step 20 CC Number 2	(127 - 255) -1 - 127
	09 63	0000 bbbb		
#	09 64	0000 aaaa	Step 20 CC Number 3	(127 - 255) -1 - 127
	09 65	0000 bbbb		
#	09 66	0000 aaaa	Step 20 CC Number 4	(127 - 255) -1 - 127
	09 67	0000 bbbb		
#	09 68	0000 aaaa	Step 20 CC Value 1	(0 - 255)
	09 69	0000 bbbb		
#	09 6A	0000 aaaa	Step 20 CC Value 2	(0 - 255)
	09 6B	0000 bbbb		
#	09 6C	0000 aaaa	Step 20 CC Value 3	(0 - 255)
	09 6D	0000 bbbb		
#	09 6E	0000 aaaa	Step 20 CC Value 4	(0 - 255)
	09 6F	0000 bbbb		
	09 70	0aaa aaaa	Reserved	
	09 71	0aaa aaaa	Reserved	
	09 72	0aaa aaaa	Reserved	
	09 73	0aaa aaaa	Reserved	
	09 74	0aaa aaaa	Reserved	
	09 75	0aaa aaaa	Reserved	
	09 76	0aaa aaaa	Reserved	
	09 77	0aaa aaaa	Reserved	
	09 78	0000 0aaa	Step 20 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	09 79	0000 0aaa	Step 20 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	09 7A	0000 0aaa	Step 20 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	09 7B	0000 0aaa	Step 20 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2

	09 7C	0000 0aaa	Step 20 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	09 7D	0000 0aaa	Step 20 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	09 7E	0000 0aaa	Step 20 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	09 7F	0000 0aaa	Step 20 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	0A 00	0000 aaaa	Step 21 Note 1	(127 - 255) OFF, 0 -127
	0A 01	0000 bbbb		
#	0A 02	0000 aaaa	Step 21 Note 2	(127 - 255) OFF, 0 -127
	0A 03	0000 bbbb		
#	0A 04	0000 aaaa	Step 21 Note 3	(127 - 255) OFF, 0 -127
	0A 05	0000 bbbb		
#	0A 06	0000 aaaa	Step 21 Note 4	(127 - 255) OFF, 0 -127
	0A 07	0000 bbbb		
#	0A 08	0000 aaaa	Step 21 Note 5	(127 - 255) OFF, 0 -127
	0A 09	0000 bbbb		
#	0A 0A	0000 aaaa	Step 21 Note 6	(127 - 255) OFF, 0 -127
	0A 0B	0000 bbbb		
#	0A 0C	0000 aaaa	Step 21 Note 7	(127 - 255) OFF, 0 -127
	0A 0D	0000 bbbb		
#	0A 0E	0000 aaaa	Step 21 Note 8	(127 - 255) OFF, 0 -127
	0A 0F	0000 bbbb		
	0A 10	0aaa aaaa	Step 21 Velocity 1	(0 - 127)
	0A 11	0aaa aaaa	Step 21 Velocity 2	(0 - 127)
	0A 12	0aaa aaaa	Step 21 Velocity 3	(0 - 127)
	0A 13	0aaa aaaa	Step 21 Velocity 4	(0 - 127)
	0A 14	0aaa aaaa	Step 21 Velocity 5	(0 - 127)
	0A 15	0aaa aaaa	Step 21 Velocity 6	(0 - 127)
	0A 16	0aaa aaaa	Step 21 Velocity 7	(0 - 127)
	0A 17	0aaa aaaa	Step 21 Velocity 8	(0 - 127)
	0A 18	0aaa aaaa	Step 21 Gate 1	(0 - 101)
	0A 19	0aaa aaaa	Step 21 Gate 2	0 - 100, TIE (0 - 101)
	0A 1A	0aaa aaaa	Step 21 Gate 3	0 - 100, TIE (0 - 101)
	0A 1B	0aaa aaaa	Step 21 Gate 4	0 - 100, TIE (0 - 101)
	0A 1C	0aaa aaaa	Step 21 Gate 5	0 - 100, TIE (0 - 101)
	0A 1D	0aaa aaaa	Step 21 Gate 6	0 - 100, TIE (0 - 101)
	0A 1E	0aaa aaaa	Step 21 Gate 7	0 - 100, TIE (0 - 101)
	0A 1F	0aaa aaaa	Step 21 Gate 8	0 - 100, TIE (0 - 101)
#	0A 20	0000 aaaa	Step 21 CC Number 1	(127 - 255) -1 - 127
	0A 21	0000 bbbb		
#	0A 22	0000 aaaa	Step 21 CC Number 2	(127 - 255) -1 - 127
	0A 23	0000 bbbb		
#	0A 24	0000 aaaa	Step 21 CC Number 3	(127 - 255) -1 - 127
	0A 25	0000 bbbb		
#	0A 26	0000 aaaa	Step 21 CC Number 4	(127 - 255) -1 - 127
	0A 27	0000 bbbb		
#	0A 28	0000 aaaa	Step 21 CC Value 1	(0 - 255)
	0A 29	0000 bbbb		
#	0A 2A	0000 aaaa	Step 21 CC Value 2	(0 - 255)
	0A 2B	0000 bbbb		
#	0A 2C	0000 aaaa	Step 21 CC Value 3	(0 - 255)
	0A 2D	0000 bbbb		
#	0A 2E	0000 aaaa	Step 21 CC Value 4	(0 - 255)
	0A 2F	0000 bbbb		
	0A 30	0aaa aaaa	Reserved	
	0A 31	0aaa aaaa	Reserved	
	0A 32	0aaa aaaa	Reserved	
	0A 33	0aaa aaaa	Reserved	
	0A 34	0aaa aaaa	Reserved	
	0A 35	0aaa aaaa	Reserved	
	0A 36	0aaa aaaa	Reserved	
	0A 37	0aaa aaaa	Reserved	
	0A 38	0000 0aaa	Step 21 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2

	OA 39	0000 Oaaa	Step 21 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OA 3A	0000 Oaaa	Step 21 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OA 3B	0000 Oaaa	Step 21 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OA 3C	0000 Oaaa	Step 21 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OA 3D	0000 Oaaa	Step 21 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OA 3E	0000 Oaaa	Step 21 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OA 3F	0000 Oaaa	Step 21 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	OA 40	0000 aaaa	Step 22 Note 1	(127 - 255)
	OA 41	0000 bbbb		OFF, 0 -127
#	OA 42	0000 aaaa	Step 22 Note 2	(127 - 255)
	OA 43	0000 bbbb		OFF, 0 -127
#	OA 44	0000 aaaa	Step 22 Note 3	(127 - 255)
	OA 45	0000 bbbb		OFF, 0 -127
#	OA 46	0000 aaaa	Step 22 Note 4	(127 - 255)
	OA 47	0000 bbbb		OFF, 0 -127
#	OA 48	0000 aaaa	Step 22 Note 5	(127 - 255)
	OA 49	0000 bbbb		OFF, 0 -127
#	OA 4A	0000 aaaa	Step 22 Note 6	(127 - 255)
	OA 4B	0000 bbbb		OFF, 0 -127
#	OA 4C	0000 aaaa	Step 22 Note 7	(127 - 255)
	OA 4D	0000 bbbb		OFF, 0 -127
#	OA 4E	0000 aaaa	Step 22 Note 8	(127 - 255)
	OA 4F	0000 bbbb		OFF, 0 -127
	OA 50	Oaaa aaaa	Step 22 Velocity 1	(0 - 127)
	OA 51	Oaaa aaaa	Step 22 Velocity 2	(0 - 127)
	OA 52	Oaaa aaaa	Step 22 Velocity 3	(0 - 127)
	OA 53	Oaaa aaaa	Step 22 Velocity 4	(0 - 127)
	OA 54	Oaaa aaaa	Step 22 Velocity 5	(0 - 127)
	OA 55	Oaaa aaaa	Step 22 Velocity 6	(0 - 127)
	OA 56	Oaaa aaaa	Step 22 Velocity 7	(0 - 127)
	OA 57	Oaaa aaaa	Step 22 Velocity 8	(0 - 127)
	OA 58	Oaaa aaaa	Step 22 Gate 1	(0 - 101)
	OA 59	Oaaa aaaa	Step 22 Gate 2	0 - 100, TIE (0 - 101)
	OA 5A	Oaaa aaaa	Step 22 Gate 3	0 - 100, TIE (0 - 101)
	OA 5B	Oaaa aaaa	Step 22 Gate 4	0 - 100, TIE (0 - 101)
	OA 5C	Oaaa aaaa	Step 22 Gate 5	0 - 100, TIE (0 - 101)
	OA 5D	Oaaa aaaa	Step 22 Gate 6	0 - 100, TIE (0 - 101)
	OA 5E	Oaaa aaaa	Step 22 Gate 7	0 - 100, TIE (0 - 101)
	OA 5F	Oaaa aaaa	Step 22 Gate 8	0 - 100, TIE (0 - 101)
#	OA 60	0000 aaaa	Step 22 CC Number 1	(127 - 255)
	OA 61	0000 bbbb		-1 - 127
#	OA 62	0000 aaaa	Step 22 CC Number 2	(127 - 255)
	OA 63	0000 bbbb		-1 - 127
#	OA 64	0000 aaaa	Step 22 CC Number 3	(127 - 255)
	OA 65	0000 bbbb		-1 - 127
#	OA 66	0000 aaaa	Step 22 CC Number 4	(127 - 255)
	OA 67	0000 bbbb		-1 - 127
#	OA 68	0000 aaaa	Step 22 CC Value 1	(0 - 255)
	OA 69	0000 bbbb		
#	OA 6A	0000 aaaa	Step 22 CC Value 2	(0 - 255)
	OA 6B	0000 bbbb		
#	OA 6C	0000 aaaa	Step 22 CC Value 3	(0 - 255)
	OA 6D	0000 bbbb		
#	OA 6E	0000 aaaa	Step 22 CC Value 4	(0 - 255)
	OA 6F	0000 bbbb		
	OA 70	Oaaa aaaa	Reserved	
	OA 71	Oaaa aaaa	Reserved	
	OA 72	Oaaa aaaa	Reserved	
	OA 73	Oaaa aaaa	Reserved	

OA 74	0aaa aaaa	Reserved	
OA 75	0aaa aaaa	Reserved	
OA 76	0aaa aaaa	Reserved	
OA 77	0aaa aaaa	Reserved	
OA 78	0000 0aaa	Step 22 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
OA 79	0000 0aaa	Step 22 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
OA 7A	0000 0aaa	Step 22 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
OA 7B	0000 0aaa	Step 22 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
OA 7C	0000 0aaa	Step 22 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
OA 7D	0000 0aaa	Step 22 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
OA 7E	0000 0aaa	Step 22 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
OA 7F	0000 0aaa	Step 22 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	OB 00	0000 aaaa	
	OB 01	0000 bbbb	Step 23 Note 1 (127 - 255) OFF, 0 -127
#	OB 02	0000 aaaa	
	OB 03	0000 bbbb	Step 23 Note 2 (127 - 255) OFF, 0 -127
#	OB 04	0000 aaaa	
	OB 05	0000 bbbb	Step 23 Note 3 (127 - 255) OFF, 0 -127
#	OB 06	0000 aaaa	
	OB 07	0000 bbbb	Step 23 Note 4 (127 - 255) OFF, 0 -127
#	OB 08	0000 aaaa	
	OB 09	0000 bbbb	Step 23 Note 5 (127 - 255) OFF, 0 -127
#	OB 0A	0000 aaaa	
	OB 0B	0000 bbbb	Step 23 Note 6 (127 - 255) OFF, 0 -127
#	OB 0C	0000 aaaa	
	OB 0D	0000 bbbb	Step 23 Note 7 (127 - 255) OFF, 0 -127
#	OB 0E	0000 aaaa	
	OB 0F	0000 bbbb	Step 23 Note 8 (127 - 255) OFF, 0 -127
	OB 10	0aaa aaaa	Step 23 Velocity 1 (0 - 127)
	OB 11	0aaa aaaa	Step 23 Velocity 2 (0 - 127)
	OB 12	0aaa aaaa	Step 23 Velocity 3 (0 - 127)
	OB 13	0aaa aaaa	Step 23 Velocity 4 (0 - 127)
	OB 14	0aaa aaaa	Step 23 Velocity 5 (0 - 127)
	OB 15	0aaa aaaa	Step 23 Velocity 6 (0 - 127)
	OB 16	0aaa aaaa	Step 23 Velocity 7 (0 - 127)
	OB 17	0aaa aaaa	Step 23 Velocity 8 (0 - 127)
	OB 18	0aaa aaaa	Step 23 Gate 1 (0 - 101) 0 - 100, TIE
	OB 19	0aaa aaaa	Step 23 Gate 2 (0 - 101) 0 - 100, TIE
	OB 1A	0aaa aaaa	Step 23 Gate 3 (0 - 101) 0 - 100, TIE
	OB 1B	0aaa aaaa	Step 23 Gate 4 (0 - 101) 0 - 100, TIE
	OB 1C	0aaa aaaa	Step 23 Gate 5 (0 - 101) 0 - 100, TIE
	OB 1D	0aaa aaaa	Step 23 Gate 6 (0 - 101) 0 - 100, TIE
	OB 1E	0aaa aaaa	Step 23 Gate 7 (0 - 101) 0 - 100, TIE
	OB 1F	0aaa aaaa	Step 23 Gate 8 (0 - 101) 0 - 100, TIE
#	OB 20	0000 aaaa	
	OB 21	0000 bbbb	Step 23 CC Number 1 (127 - 255) -1 - 127
#	OB 22	0000 aaaa	
	OB 23	0000 bbbb	Step 23 CC Number 2 (127 - 255) -1 - 127
#	OB 24	0000 aaaa	
	OB 25	0000 bbbb	Step 23 CC Number 3 (127 - 255) -1 - 127
#	OB 26	0000 aaaa	
	OB 27	0000 bbbb	Step 23 CC Number 4 (127 - 255) -1 - 127
#	OB 28	0000 aaaa	
	OB 29	0000 bbbb	Step 23 CC Value 1 (0 - 255)
#	OB 2A	0000 aaaa	
	OB 2B	0000 bbbb	Step 23 CC Value 2 (0 - 255)
#	OB 2C	0000 aaaa	
	OB 2D	0000 bbbb	Step 23 CC Value 3 (0 - 255)

#	OB 2E	0000 aaaa	Step 23 CC Value 4	(0 - 255)
	OB 2F	0000 bbbb		
	OB 30	0aaa aaaa	Reserved	
	OB 31	0aaa aaaa	Reserved	
	OB 32	0aaa aaaa	Reserved	
	OB 33	0aaa aaaa	Reserved	
	OB 34	0aaa aaaa	Reserved	
	OB 35	0aaa aaaa	Reserved	
	OB 36	0aaa aaaa	Reserved	
	OB 37	0aaa aaaa	Reserved	
	OB 38	0000 0aaa	Step 23 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 39	0000 0aaa	Step 23 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 3A	0000 0aaa	Step 23 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 3B	0000 0aaa	Step 23 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 3C	0000 0aaa	Step 23 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 3D	0000 0aaa	Step 23 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 3E	0000 0aaa	Step 23 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 3F	0000 0aaa	Step 23 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	OB 40	0000 aaaa	Step 24 Note 1	(127 - 255)
	OB 41	0000 bbbb		OFF, 0 -127
#	OB 42	0000 aaaa	Step 24 Note 2	(127 - 255)
	OB 43	0000 bbbb		OFF, 0 -127
#	OB 44	0000 aaaa	Step 24 Note 3	(127 - 255)
	OB 45	0000 bbbb		OFF, 0 -127
#	OB 46	0000 aaaa	Step 24 Note 4	(127 - 255)
	OB 47	0000 bbbb		OFF, 0 -127
#	OB 48	0000 aaaa	Step 24 Note 5	(127 - 255)
	OB 49	0000 bbbb		OFF, 0 -127
#	OB 4A	0000 aaaa	Step 24 Note 6	(127 - 255)
	OB 4B	0000 bbbb		OFF, 0 -127
#	OB 4C	0000 aaaa	Step 24 Note 7	(127 - 255)
	OB 4D	0000 bbbb		OFF, 0 -127
#	OB 4E	0000 aaaa	Step 24 Note 8	(127 - 255)
	OB 4F	0000 bbbb		OFF, 0 -127
	OB 50	0aaa aaaa	Step 24 Velocity 1	(0 - 127)
	OB 51	0aaa aaaa	Step 24 Velocity 2	(0 - 127)
	OB 52	0aaa aaaa	Step 24 Velocity 3	(0 - 127)
	OB 53	0aaa aaaa	Step 24 Velocity 4	(0 - 127)
	OB 54	0aaa aaaa	Step 24 Velocity 5	(0 - 127)
	OB 55	0aaa aaaa	Step 24 Velocity 6	(0 - 127)
	OB 56	0aaa aaaa	Step 24 Velocity 7	(0 - 127)
	OB 57	0aaa aaaa	Step 24 Velocity 8	(0 - 127)
	OB 58	0aaa aaaa	Step 24 Gate 1	(0 - 101)
	OB 59	0aaa aaaa	Step 24 Gate 2	0 - 100, TIE (0 - 101)
	OB 5A	0aaa aaaa	Step 24 Gate 3	0 - 100, TIE (0 - 101)
	OB 5B	0aaa aaaa	Step 24 Gate 4	0 - 100, TIE (0 - 101)
	OB 5C	0aaa aaaa	Step 24 Gate 5	0 - 100, TIE (0 - 101)
	OB 5D	0aaa aaaa	Step 24 Gate 6	0 - 100, TIE (0 - 101)
	OB 5E	0aaa aaaa	Step 24 Gate 7	0 - 100, TIE (0 - 101)
	OB 5F	0aaa aaaa	Step 24 Gate 8	0 - 100, TIE (0 - 101)
#	OB 60	0000 aaaa	Step 24 CC Number 1	(127 - 255)
	OB 61	0000 bbbb		-1 - 127
#	OB 62	0000 aaaa	Step 24 CC Number 2	(127 - 255)
	OB 63	0000 bbbb		-1 - 127
#	OB 64	0000 aaaa	Step 24 CC Number 3	(127 - 255)
	OB 65	0000 bbbb		-1 - 127
#	OB 66	0000 aaaa	Step 24 CC Number 4	(127 - 255)
	OB 67	0000 bbbb		-1 - 127

#	OB 68	0000 aaaa	Step 24 CC Value 1	(0 - 255)
#	OB 69	0000 bbbb		
#	OB 6A	0000 aaaa	Step 24 CC Value 2	(0 - 255)
#	OB 6B	0000 bbbb		
#	OB 6C	0000 aaaa	Step 24 CC Value 3	(0 - 255)
#	OB 6D	0000 bbbb		
#	OB 6E	0000 aaaa	Step 24 CC Value 4	(0 - 255)
	OB 6F	0000 bbbb		
	OB 70	0aaa aaaa	Reserved	
	OB 71	0aaa aaaa	Reserved	
	OB 72	0aaa aaaa	Reserved	
	OB 73	0aaa aaaa	Reserved	
	OB 74	0aaa aaaa	Reserved	
	OB 75	0aaa aaaa	Reserved	
	OB 76	0aaa aaaa	Reserved	
	OB 77	0aaa aaaa	Reserved	
	OB 78	0000 0aaa	Step 24 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 79	0000 0aaa	Step 24 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 7A	0000 0aaa	Step 24 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 7B	0000 0aaa	Step 24 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 7C	0000 0aaa	Step 24 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 7D	0000 0aaa	Step 24 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 7E	0000 0aaa	Step 24 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OB 7F	0000 0aaa	Step 24 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	OC 00	0000 aaaa	Step 25 Note 1	(127 - 255) OFF, 0 -127
#	OC 01	0000 bbbb		
#	OC 02	0000 aaaa	Step 25 Note 2	(127 - 255) OFF, 0 -127
#	OC 03	0000 bbbb		
#	OC 04	0000 aaaa	Step 25 Note 3	(127 - 255) OFF, 0 -127
#	OC 05	0000 bbbb		
#	OC 06	0000 aaaa	Step 25 Note 4	(127 - 255) OFF, 0 -127
#	OC 07	0000 bbbb		
#	OC 08	0000 aaaa	Step 25 Note 5	(127 - 255) OFF, 0 -127
#	OC 09	0000 bbbb		
#	OC 0A	0000 aaaa	Step 25 Note 6	(127 - 255) OFF, 0 -127
#	OC 0B	0000 bbbb		
#	OC 0C	0000 aaaa	Step 25 Note 7	(127 - 255) OFF, 0 -127
#	OC 0D	0000 bbbb		
#	OC 0E	0000 aaaa	Step 25 Note 8	(127 - 255) OFF, 0 -127
	OC 0F	0000 bbbb		
	OC 10	0aaa aaaa	Step 25 Velocity 1	(0 - 127)
	OC 11	0aaa aaaa	Step 25 Velocity 2	(0 - 127)
	OC 12	0aaa aaaa	Step 25 Velocity 3	(0 - 127)
	OC 13	0aaa aaaa	Step 25 Velocity 4	(0 - 127)
	OC 14	0aaa aaaa	Step 25 Velocity 5	(0 - 127)
	OC 15	0aaa aaaa	Step 25 Velocity 6	(0 - 127)
	OC 16	0aaa aaaa	Step 25 Velocity 7	(0 - 127)
	OC 17	0aaa aaaa	Step 25 Velocity 8	(0 - 127)
	OC 18	0aaa aaaa	Step 25 Gate 1	(0 - 101) 0 - 100, TIE
	OC 19	0aaa aaaa	Step 25 Gate 2	(0 - 101) 0 - 100, TIE
	OC 1A	0aaa aaaa	Step 25 Gate 3	(0 - 101) 0 - 100, TIE
	OC 1B	0aaa aaaa	Step 25 Gate 4	(0 - 101) 0 - 100, TIE
	OC 1C	0aaa aaaa	Step 25 Gate 5	(0 - 101) 0 - 100, TIE
	OC 1D	0aaa aaaa	Step 25 Gate 6	(0 - 101) 0 - 100, TIE
	OC 1E	0aaa aaaa	Step 25 Gate 7	(0 - 101) 0 - 100, TIE
	OC 1F	0aaa aaaa	Step 25 Gate 8	(0 - 101) 0 - 100, TIE
#	OC 20	0000 aaaa	Step 25 CC Number 1	(127 - 255) -1 - 127
#	OC 21	0000 bbbb		
#	OC 22	0000 aaaa	Step 25 CC Number 2	(127 - 255) -1 - 127
#	OC 23	0000 bbbb		

#	OC 24	0000	aaaa	Step 25 CC Number 3	(127 - 255) -1 - 127
	OC 25	0000	bbbb		
#	OC 26	0000	aaaa	Step 25 CC Number 4	(127 - 255) -1 - 127
	OC 27	0000	bbbb		
#	OC 28	0000	aaaa	Step 25 CC Value 1	(0 - 255)
	OC 29	0000	bbbb		
#	OC 2A	0000	aaaa	Step 25 CC Value 2	(0 - 255)
	OC 2B	0000	bbbb		
#	OC 2C	0000	aaaa	Step 25 CC Value 3	(0 - 255)
	OC 2D	0000	bbbb		
#	OC 2E	0000	aaaa	Step 25 CC Value 4	(0 - 255)
	OC 2F	0000	bbbb		
	OC 30	0aaa	aaaa	Reserved	
	OC 31	0aaa	aaaa	Reserved	
	OC 32	0aaa	aaaa	Reserved	
	OC 33	0aaa	aaaa	Reserved	
	OC 34	0aaa	aaaa	Reserved	
	OC 35	0aaa	aaaa	Reserved	
	OC 36	0aaa	aaaa	Reserved	
	OC 37	0aaa	aaaa	Reserved	
	OC 38	0000	0aaa	Step 25 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 39	0000	0aaa	Step 25 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 3A	0000	0aaa	Step 25 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 3B	0000	0aaa	Step 25 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 3C	0000	0aaa	Step 25 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 3D	0000	0aaa	Step 25 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 3E	0000	0aaa	Step 25 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 3F	0000	0aaa	Step 25 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	OC 40	0000	aaaa	Step 26 Note 1	(127 - 255) OFF, 0 -127
	OC 41	0000	bbbb		
#	OC 42	0000	aaaa	Step 26 Note 2	(127 - 255) OFF, 0 -127
	OC 43	0000	bbbb		
#	OC 44	0000	aaaa	Step 26 Note 3	(127 - 255) OFF, 0 -127
	OC 45	0000	bbbb		
#	OC 46	0000	aaaa	Step 26 Note 4	(127 - 255) OFF, 0 -127
	OC 47	0000	bbbb		
#	OC 48	0000	aaaa	Step 26 Note 5	(127 - 255) OFF, 0 -127
	OC 49	0000	bbbb		
#	OC 4A	0000	aaaa	Step 26 Note 6	(127 - 255) OFF, 0 -127
	OC 4B	0000	bbbb		
#	OC 4C	0000	aaaa	Step 26 Note 7	(127 - 255) OFF, 0 -127
	OC 4D	0000	bbbb		
#	OC 4E	0000	aaaa	Step 26 Note 8	(127 - 255) OFF, 0 -127
	OC 4F	0000	bbbb		
	OC 50	0aaa	aaaa	Step 26 Velocity 1	(0 - 127)
	OC 51	0aaa	aaaa	Step 26 Velocity 2	(0 - 127)
	OC 52	0aaa	aaaa	Step 26 Velocity 3	(0 - 127)
	OC 53	0aaa	aaaa	Step 26 Velocity 4	(0 - 127)
	OC 54	0aaa	aaaa	Step 26 Velocity 5	(0 - 127)
	OC 55	0aaa	aaaa	Step 26 Velocity 6	(0 - 127)
	OC 56	0aaa	aaaa	Step 26 Velocity 7	(0 - 127)
	OC 57	0aaa	aaaa	Step 26 Velocity 8	(0 - 127)
	OC 58	0aaa	aaaa	Step 26 Gate 1	(0 - 101)
	OC 59	0aaa	aaaa	Step 26 Gate 2	0 - 100, TIE (0 - 101)
	OC 5A	0aaa	aaaa	Step 26 Gate 3	0 - 100, TIE (0 - 101)
	OC 5B	0aaa	aaaa	Step 26 Gate 4	0 - 100, TIE (0 - 101)
	OC 5C	0aaa	aaaa	Step 26 Gate 5	0 - 100, TIE (0 - 101)
	OC 5D	0aaa	aaaa	Step 26 Gate 6	0 - 100, TIE (0 - 101)
	OC 5E	0aaa	aaaa	Step 26 Gate 7	0 - 100, TIE (0 - 101)
	OC 5F	0aaa	aaaa	Step 26 Gate 8	0 - 100, TIE (0 - 101)

#	OC 60	0000 aaaa	Step 26 CC Number 1	(127 - 255) -1 - 127
	OC 61	0000 bbbb		
#	OC 62	0000 aaaa	Step 26 CC Number 2	(127 - 255) -1 - 127
	OC 63	0000 bbbb		
#	OC 64	0000 aaaa	Step 26 CC Number 3	(127 - 255) -1 - 127
	OC 65	0000 bbbb		
#	OC 66	0000 aaaa	Step 26 CC Number 4	(127 - 255) -1 - 127
	OC 67	0000 bbbb		
#	OC 68	0000 aaaa	Step 26 CC Value 1	(0 - 255)
	OC 69	0000 bbbb		
#	OC 6A	0000 aaaa	Step 26 CC Value 2	(0 - 255)
	OC 6B	0000 bbbb		
#	OC 6C	0000 aaaa	Step 26 CC Value 3	(0 - 255)
	OC 6D	0000 bbbb		
#	OC 6E	0000 aaaa	Step 26 CC Value 4	(0 - 255)
	OC 6F	0000 bbbb		
	OC 70	0aaa aaaa	Reserved	
	OC 71	0aaa aaaa	Reserved	
	OC 72	0aaa aaaa	Reserved	
	OC 73	0aaa aaaa	Reserved	
	OC 74	0aaa aaaa	Reserved	
	OC 75	0aaa aaaa	Reserved	
	OC 76	0aaa aaaa	Reserved	
	OC 77	0aaa aaaa	Reserved	
	OC 78	0000 0aaa	Step 26 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 79	0000 0aaa	Step 26 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 7A	0000 0aaa	Step 26 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 7B	0000 0aaa	Step 26 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 7C	0000 0aaa	Step 26 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 7D	0000 0aaa	Step 26 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 7E	0000 0aaa	Step 26 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OC 7F	0000 0aaa	Step 26 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	OD 00	0000 aaaa	Step 27 Note 1	(127 - 255) OFF, 0 -127
	OD 01	0000 bbbb		
#	OD 02	0000 aaaa	Step 27 Note 2	(127 - 255) OFF, 0 -127
	OD 03	0000 bbbb		
#	OD 04	0000 aaaa	Step 27 Note 3	(127 - 255) OFF, 0 -127
	OD 05	0000 bbbb		
#	OD 06	0000 aaaa	Step 27 Note 4	(127 - 255) OFF, 0 -127
	OD 07	0000 bbbb		
#	OD 08	0000 aaaa	Step 27 Note 5	(127 - 255) OFF, 0 -127
	OD 09	0000 bbbb		
#	OD 0A	0000 aaaa	Step 27 Note 6	(127 - 255) OFF, 0 -127
	OD 0B	0000 bbbb		
#	OD 0C	0000 aaaa	Step 27 Note 7	(127 - 255) OFF, 0 -127
	OD 0D	0000 bbbb		
#	OD 0E	0000 aaaa	Step 27 Note 8	(127 - 255) OFF, 0 -127
	OD 0F	0000 bbbb		
	OD 10	0aaa aaaa	Step 27 Velocity 1	(0 - 127)
	OD 11	0aaa aaaa	Step 27 Velocity 2	(0 - 127)
	OD 12	0aaa aaaa	Step 27 Velocity 3	(0 - 127)
	OD 13	0aaa aaaa	Step 27 Velocity 4	(0 - 127)
	OD 14	0aaa aaaa	Step 27 Velocity 5	(0 - 127)
	OD 15	0aaa aaaa	Step 27 Velocity 6	(0 - 127)
	OD 16	0aaa aaaa	Step 27 Velocity 7	(0 - 127)
	OD 17	0aaa aaaa	Step 27 Velocity 8	(0 - 127)
	OD 18	0aaa aaaa	Step 27 Gate 1	(0 - 101)
	OD 19	0aaa aaaa	Step 27 Gate 2	0 - 100, TIE (0 - 101)
	OD 1A	0aaa aaaa	Step 27 Gate 3	0 - 100, TIE (0 - 101)
	OD 1B	0aaa aaaa	Step 27 Gate 4	0 - 100, TIE (0 - 101)
	OD 1C	0aaa aaaa	Step 27 Gate 5	0 - 100, TIE (0 - 101)

	OD 1D	0aaa aaaa	Step 27 Gate 6	(0 - 101)
	OD 1E	0aaa aaaa	Step 27 Gate 7	0 - 100, TIE (0 - 101)
	OD 1F	0aaa aaaa	Step 27 Gate 8	0 - 100, TIE (0 - 101)
#	OD 20	0000 aaaa	Step 27 CC Number 1	(127 - 255)
	OD 21	0000 bbbb		
#	OD 22	0000 aaaa	Step 27 CC Number 2	(127 - 255)
	OD 23	0000 bbbb		
#	OD 24	0000 aaaa	Step 27 CC Number 3	(127 - 255)
	OD 25	0000 bbbb		
#	OD 26	0000 aaaa	Step 27 CC Number 4	(127 - 255)
	OD 27	0000 bbbb		
#	OD 28	0000 aaaa	Step 27 CC Value 1	(0 - 255)
	OD 29	0000 bbbb		
#	OD 2A	0000 aaaa	Step 27 CC Value 2	(0 - 255)
	OD 2B	0000 bbbb		
#	OD 2C	0000 aaaa	Step 27 CC Value 3	(0 - 255)
	OD 2D	0000 bbbb		
#	OD 2E	0000 aaaa	Step 27 CC Value 4	(0 - 255)
	OD 2F	0000 bbbb		
	OD 30	0aaa aaaa	Reserved	
	OD 31	0aaa aaaa	Reserved	
	OD 32	0aaa aaaa	Reserved	
	OD 33	0aaa aaaa	Reserved	
	OD 34	0aaa aaaa	Reserved	
	OD 35	0aaa aaaa	Reserved	
	OD 36	0aaa aaaa	Reserved	
	OD 37	0aaa aaaa	Reserved	
	OD 38	0000 0aaa	Step 27 Sub Step 1	(0 - 4)
	OD 39	0000 0aaa	Step 27 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 3A	0000 0aaa	Step 27 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 3B	0000 0aaa	Step 27 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 3C	0000 0aaa	Step 27 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 3D	0000 0aaa	Step 27 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 3E	0000 0aaa	Step 27 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 3F	0000 0aaa	Step 27 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	OD 40	0000 aaaa	Step 28 Note 1	(127 - 255)
	OD 41	0000 bbbb		
#	OD 42	0000 aaaa	Step 28 Note 2	(127 - 255)
	OD 43	0000 bbbb		
#	OD 44	0000 aaaa	Step 28 Note 3	(127 - 255)
	OD 45	0000 bbbb		
#	OD 46	0000 aaaa	Step 28 Note 4	(127 - 255)
	OD 47	0000 bbbb		
#	OD 48	0000 aaaa	Step 28 Note 5	(127 - 255)
	OD 49	0000 bbbb		
#	OD 4A	0000 aaaa	Step 28 Note 6	(127 - 255)
	OD 4B	0000 bbbb		
#	OD 4C	0000 aaaa	Step 28 Note 7	(127 - 255)
	OD 4D	0000 bbbb		
#	OD 4E	0000 aaaa	Step 28 Note 8	(127 - 255)
	OD 4F	0000 bbbb		
	OD 50	0aaa aaaa	Step 28 Velocity 1	OFF, 0 -127 (0 - 127)
	OD 51	0aaa aaaa	Step 28 Velocity 2	(0 - 127)
	OD 52	0aaa aaaa	Step 28 Velocity 3	(0 - 127)
	OD 53	0aaa aaaa	Step 28 Velocity 4	(0 - 127)
	OD 54	0aaa aaaa	Step 28 Velocity 5	(0 - 127)
	OD 55	0aaa aaaa	Step 28 Velocity 6	(0 - 127)
	OD 56	0aaa aaaa	Step 28 Velocity 7	(0 - 127)
	OD 57	0aaa aaaa	Step 28 Velocity 8	(0 - 127)
	OD 58	0aaa aaaa	Step 28 Gate 1	(0 - 101)
	OD 59	0aaa aaaa	Step 28 Gate 2	0 - 100, TIE (0 - 101)

	OD 5A	Oaaa aaaa	Step 28 Gate 3	(0 - 101)
	OD 5B	Oaaa aaaa	Step 28 Gate 4	0 - 100, TIE (0 - 101)
	OD 5C	Oaaa aaaa	Step 28 Gate 5	0 - 100, TIE (0 - 101)
	OD 5D	Oaaa aaaa	Step 28 Gate 6	0 - 100, TIE (0 - 101)
	OD 5E	Oaaa aaaa	Step 28 Gate 7	0 - 100, TIE (0 - 101)
	OD 5F	Oaaa aaaa	Step 28 Gate 8	0 - 100, TIE (0 - 101)
#	OD 60	0000 aaaa	Step 28 CC Number 1	(127 - 255)
	OD 61	0000 bbbb		
#	OD 62	0000 aaaa	Step 28 CC Number 2	(127 - 255)
	OD 63	0000 bbbb		
#	OD 64	0000 aaaa	Step 28 CC Number 3	(127 - 255)
	OD 65	0000 bbbb		
#	OD 66	0000 aaaa	Step 28 CC Number 4	(127 - 255)
	OD 67	0000 bbbb		
#	OD 68	0000 aaaa	Step 28 CC Value 1	(0 - 255)
	OD 69	0000 bbbb		
#	OD 6A	0000 aaaa	Step 28 CC Value 2	(0 - 255)
	OD 6B	0000 bbbb		
#	OD 6C	0000 aaaa	Step 28 CC Value 3	(0 - 255)
	OD 6D	0000 bbbb		
#	OD 6E	0000 aaaa	Step 28 CC Value 4	(0 - 255)
	OD 6F	0000 bbbb		
	OD 70	Oaaa aaaa	Reserved	
	OD 71	Oaaa aaaa	Reserved	
	OD 72	Oaaa aaaa	Reserved	
	OD 73	Oaaa aaaa	Reserved	
	OD 74	Oaaa aaaa	Reserved	
	OD 75	Oaaa aaaa	Reserved	
	OD 76	Oaaa aaaa	Reserved	
	OD 77	Oaaa aaaa	Reserved	
	OD 78	0000 Oaaa	Step 28 Sub Step 1	(0 - 4)
	OD 79	0000 Oaaa	Step 28 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 7A	0000 Oaaa	Step 28 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 7B	0000 Oaaa	Step 28 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 7C	0000 Oaaa	Step 28 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 7D	0000 Oaaa	Step 28 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 7E	0000 Oaaa	Step 28 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OD 7F	0000 Oaaa	Step 28 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	OE 00	0000 aaaa	Step 29 Note 1	(127 - 255)
	OE 01	0000 bbbb		
#	OE 02	0000 aaaa	Step 29 Note 2	(127 - 255)
	OE 03	0000 bbbb		
#	OE 04	0000 aaaa	Step 29 Note 3	(127 - 255)
	OE 05	0000 bbbb		
#	OE 06	0000 aaaa	Step 29 Note 4	(127 - 255)
	OE 07	0000 bbbb		
#	OE 08	0000 aaaa	Step 29 Note 5	(127 - 255)
	OE 09	0000 bbbb		
#	OE 0A	0000 aaaa	Step 29 Note 6	(127 - 255)
	OE 0B	0000 bbbb		
#	OE 0C	0000 aaaa	Step 29 Note 7	(127 - 255)
	OE 0D	0000 bbbb		
#	OE 0E	0000 aaaa	Step 29 Note 8	(127 - 255)
	OE 0F	0000 bbbb		
	OE 10	Oaaa aaaa	Step 29 Velocity 1	(0 - 127)
	OE 11	Oaaa aaaa	Step 29 Velocity 2	(0 - 127)
	OE 12	Oaaa aaaa	Step 29 Velocity 3	(0 - 127)
	OE 13	Oaaa aaaa	Step 29 Velocity 4	(0 - 127)
	OE 14	Oaaa aaaa	Step 29 Velocity 5	(0 - 127)
	OE 15	Oaaa aaaa	Step 29 Velocity 6	(0 - 127)

	OE 16	0aaa aaaa	Step 29 Velocity 7	(0 - 127)
	OE 17	0aaa aaaa	Step 29 Velocity 8	(0 - 127)
	OE 18	0aaa aaaa	Step 29 Gate 1	(0 - 101)
	OE 19	0aaa aaaa	Step 29 Gate 2	0 - 100, TIE (0 - 101)
	OE 1A	0aaa aaaa	Step 29 Gate 3	0 - 100, TIE (0 - 101)
	OE 1B	0aaa aaaa	Step 29 Gate 4	0 - 100, TIE (0 - 101)
	OE 1C	0aaa aaaa	Step 29 Gate 5	0 - 100, TIE (0 - 101)
	OE 1D	0aaa aaaa	Step 29 Gate 6	0 - 100, TIE (0 - 101)
	OE 1E	0aaa aaaa	Step 29 Gate 7	0 - 100, TIE (0 - 101)
	OE 1F	0aaa aaaa	Step 29 Gate 8	0 - 100, TIE (0 - 101)
#	OE 20	0000 aaaa	Step 29 CC Number 1	(127 - 255)
	OE 21	0000 bbbb		
#	OE 22	0000 aaaa	Step 29 CC Number 2	(127 - 255)
	OE 23	0000 bbbb		
#	OE 24	0000 aaaa	Step 29 CC Number 3	(127 - 255)
	OE 25	0000 bbbb		
#	OE 26	0000 aaaa	Step 29 CC Number 4	(127 - 255)
	OE 27	0000 bbbb		
#	OE 28	0000 aaaa	Step 29 CC Value 1	(0 - 255)
	OE 29	0000 bbbb		
#	OE 2A	0000 aaaa	Step 29 CC Value 2	(0 - 255)
	OE 2B	0000 bbbb		
#	OE 2C	0000 aaaa	Step 29 CC Value 3	(0 - 255)
	OE 2D	0000 bbbb		
#	OE 2E	0000 aaaa	Step 29 CC Value 4	(0 - 255)
	OE 2F	0000 bbbb		
	OE 30	0aaa aaaa	Reserved	
	OE 31	0aaa aaaa	Reserved	
	OE 32	0aaa aaaa	Reserved	
	OE 33	0aaa aaaa	Reserved	
	OE 34	0aaa aaaa	Reserved	
	OE 35	0aaa aaaa	Reserved	
	OE 36	0aaa aaaa	Reserved	
	OE 37	0aaa aaaa	Reserved	
	OE 38	0000 0aaa	Step 29 Sub Step 1	(0 - 4)
	OE 39	0000 0aaa	Step 29 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OE 3A	0000 0aaa	Step 29 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OE 3B	0000 0aaa	Step 29 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OE 3C	0000 0aaa	Step 29 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OE 3D	0000 0aaa	Step 29 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OE 3E	0000 0aaa	Step 29 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OE 3F	0000 0aaa	Step 29 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	OE 40	0000 aaaa	Step 30 Note 1	(127 - 255)
	OE 41	0000 bbbb		
#	OE 42	0000 aaaa	Step 30 Note 2	(127 - 255)
	OE 43	0000 bbbb		
#	OE 44	0000 aaaa	Step 30 Note 3	(127 - 255)
	OE 45	0000 bbbb		
#	OE 46	0000 aaaa	Step 30 Note 4	(127 - 255)
	OE 47	0000 bbbb		
#	OE 48	0000 aaaa	Step 30 Note 5	(127 - 255)
	OE 49	0000 bbbb		
#	OE 4A	0000 aaaa	Step 30 Note 6	(127 - 255)
	OE 4B	0000 bbbb		
#	OE 4C	0000 aaaa	Step 30 Note 7	(127 - 255)
	OE 4D	0000 bbbb		
#	OE 4E	0000 aaaa	Step 30 Note 8	(127 - 255)
	OE 4F	0000 bbbb		

	OE 50	0aaa aaaa	Step 30 Velocity 1	(0 - 127)
	OE 51	0aaa aaaa	Step 30 Velocity 2	(0 - 127)
	OE 52	0aaa aaaa	Step 30 Velocity 3	(0 - 127)
	OE 53	0aaa aaaa	Step 30 Velocity 4	(0 - 127)
	OE 54	0aaa aaaa	Step 30 Velocity 5	(0 - 127)
	OE 55	0aaa aaaa	Step 30 Velocity 6	(0 - 127)
	OE 56	0aaa aaaa	Step 30 Velocity 7	(0 - 127)
	OE 57	0aaa aaaa	Step 30 Velocity 8	(0 - 127)
	OE 58	0aaa aaaa	Step 30 Gate 1	(0 - 101)
				0 - 100, TIE
	OE 59	0aaa aaaa	Step 30 Gate 2	(0 - 101)
				0 - 100, TIE
	OE 5A	0aaa aaaa	Step 30 Gate 3	(0 - 101)
				0 - 100, TIE
	OE 5B	0aaa aaaa	Step 30 Gate 4	(0 - 101)
				0 - 100, TIE
	OE 5C	0aaa aaaa	Step 30 Gate 5	(0 - 101)
				0 - 100, TIE
	OE 5D	0aaa aaaa	Step 30 Gate 6	(0 - 101)
				0 - 100, TIE
	OE 5E	0aaa aaaa	Step 30 Gate 7	(0 - 101)
				0 - 100, TIE
	OE 5F	0aaa aaaa	Step 30 Gate 8	(0 - 101)
				0 - 100, TIE
#	OE 60	0000 aaaa		
	OE 61	0000 bbbb	Step 30 CC Number 1	(127 - 255)
				-1 - 127
#	OE 62	0000 aaaa		
	OE 63	0000 bbbb	Step 30 CC Number 2	(127 - 255)
				-1 - 127
#	OE 64	0000 aaaa		
	OE 65	0000 bbbb	Step 30 CC Number 3	(127 - 255)
				-1 - 127
#	OE 66	0000 aaaa		
	OE 67	0000 bbbb	Step 30 CC Number 4	(127 - 255)
				-1 - 127
#	OE 68	0000 aaaa		
	OE 69	0000 bbbb	Step 30 CC Value 1	(0 - 255)
#	OE 6A	0000 aaaa		
	OE 6B	0000 bbbb	Step 30 CC Value 2	(0 - 255)
#	OE 6C	0000 aaaa		
	OE 6D	0000 bbbb	Step 30 CC Value 3	(0 - 255)
#	OE 6E	0000 aaaa		
	OE 6F	0000 bbbb	Step 30 CC Value 4	(0 - 255)
	OE 70	0aaa aaaa	Reserved	
	OE 71	0aaa aaaa	Reserved	
	OE 72	0aaa aaaa	Reserved	
	OE 73	0aaa aaaa	Reserved	
	OE 74	0aaa aaaa	Reserved	
	OE 75	0aaa aaaa	Reserved	
	OE 76	0aaa aaaa	Reserved	
	OE 77	0aaa aaaa	Reserved	
	OE 78	0000 0aaa	Step 30 Sub Step 1	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	OE 79	0000 0aaa	Step 30 Sub Step 2	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	OE 7A	0000 0aaa	Step 30 Sub Step 3	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	OE 7B	0000 0aaa	Step 30 Sub Step 4	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	OE 7C	0000 0aaa	Step 30 Sub Step 5	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	OE 7D	0000 0aaa	Step 30 Sub Step 6	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	OE 7E	0000 0aaa	Step 30 Sub Step 7	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	OE 7F	0000 0aaa	Step 30 Sub Step 8	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
#	OF 00	0000 aaaa		
	OF 01	0000 bbbb	Step 31 Note 1	(127 - 255)
				OFF, 0 -127
#	OF 02	0000 aaaa		
	OF 03	0000 bbbb	Step 31 Note 2	(127 - 255)
				OFF, 0 -127
#	OF 04	0000 aaaa		
	OF 05	0000 bbbb	Step 31 Note 3	(127 - 255)
				OFF, 0 -127
#	OF 06	0000 aaaa		
	OF 07	0000 bbbb	Step 31 Note 4	(127 - 255)
				OFF, 0 -127
#	OF 08	0000 aaaa		
	OF 09	0000 bbbb	Step 31 Note 5	(127 - 255)
				OFF, 0 -127
#	OF 0A	0000 aaaa		
	OF 0B	0000 bbbb	Step 31 Note 6	(127 - 255)
				OFF, 0 -127

#	OF 0C	0000 aaaa		
	OF 0D	0000 bbbb	Step 31 Note 7	(127 - 255) OFF, 0 -127
#	OF 0E	0000 aaaa		
	OF 0F	0000 bbbb	Step 31 Note 8	(127 - 255) OFF, 0 -127
	OF 10	0aaa aaaa	Step 31 Velocity 1	(0 - 127)
	OF 11	0aaa aaaa	Step 31 Velocity 2	(0 - 127)
	OF 12	0aaa aaaa	Step 31 Velocity 3	(0 - 127)
	OF 13	0aaa aaaa	Step 31 Velocity 4	(0 - 127)
	OF 14	0aaa aaaa	Step 31 Velocity 5	(0 - 127)
	OF 15	0aaa aaaa	Step 31 Velocity 6	(0 - 127)
	OF 16	0aaa aaaa	Step 31 Velocity 7	(0 - 127)
	OF 17	0aaa aaaa	Step 31 Velocity 8	(0 - 127)
	OF 18	0aaa aaaa	Step 31 Gate 1	(0 - 101)
	OF 19	0aaa aaaa	Step 31 Gate 2	0 - 100, TIE (0 - 101)
	OF 1A	0aaa aaaa	Step 31 Gate 3	0 - 100, TIE (0 - 101)
	OF 1B	0aaa aaaa	Step 31 Gate 4	0 - 100, TIE (0 - 101)
	OF 1C	0aaa aaaa	Step 31 Gate 5	0 - 100, TIE (0 - 101)
	OF 1D	0aaa aaaa	Step 31 Gate 6	0 - 100, TIE (0 - 101)
	OF 1E	0aaa aaaa	Step 31 Gate 7	0 - 100, TIE (0 - 101)
	OF 1F	0aaa aaaa	Step 31 Gate 8	0 - 100, TIE (0 - 101)
#	OF 20	0000 aaaa		
	OF 21	0000 bbbb	Step 31 CC Number 1	(127 - 255) -1 - 127
#	OF 22	0000 aaaa		
	OF 23	0000 bbbb	Step 31 CC Number 2	(127 - 255) -1 - 127
#	OF 24	0000 aaaa		
	OF 25	0000 bbbb	Step 31 CC Number 3	(127 - 255) -1 - 127
#	OF 26	0000 aaaa		
	OF 27	0000 bbbb	Step 31 CC Number 4	(127 - 255) -1 - 127
#	OF 28	0000 aaaa		
	OF 29	0000 bbbb	Step 31 CC Value 1	(0 - 255)
#	OF 2A	0000 aaaa		
	OF 2B	0000 bbbb	Step 31 CC Value 2	(0 - 255)
#	OF 2C	0000 aaaa		
	OF 2D	0000 bbbb	Step 31 CC Value 3	(0 - 255)
#	OF 2E	0000 aaaa		
	OF 2F	0000 bbbb	Step 31 CC Value 4	(0 - 255)
	OF 30	0aaa aaaa	Reserved	
	OF 31	0aaa aaaa	Reserved	
	OF 32	0aaa aaaa	Reserved	
	OF 33	0aaa aaaa	Reserved	
	OF 34	0aaa aaaa	Reserved	
	OF 35	0aaa aaaa	Reserved	
	OF 36	0aaa aaaa	Reserved	
	OF 37	0aaa aaaa	Reserved	
	OF 38	0000 0aaa	Step 31 Sub Step 1	(0 - 4)
	OF 39	0000 0aaa	Step 31 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OF 3A	0000 0aaa	Step 31 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OF 3B	0000 0aaa	Step 31 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OF 3C	0000 0aaa	Step 31 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OF 3D	0000 0aaa	Step 31 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OF 3E	0000 0aaa	Step 31 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	OF 3F	0000 0aaa	Step 31 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	OF 40	0000 aaaa		
	OF 41	0000 bbbb	Step 32 Note 1	(127 - 255) OFF, 0 -127
#	OF 42	0000 aaaa		
	OF 43	0000 bbbb	Step 32 Note 2	(127 - 255) OFF, 0 -127
#	OF 44	0000 aaaa		
	OF 45	0000 bbbb	Step 32 Note 3	(127 - 255) OFF, 0 -127
#	OF 46	0000 aaaa		
	OF 47	0000 bbbb	Step 32 Note 4	(127 - 255) OFF, 0 -127

#	OF 48	0000 aaaa		
	OF 49	0000 bbbb	Step 32 Note 5	(127 - 255) OFF, 0 -127
#	OF 4A	0000 aaaa		
	OF 4B	0000 bbbb	Step 32 Note 6	(127 - 255) OFF, 0 -127
#	OF 4C	0000 aaaa		
	OF 4D	0000 bbbb	Step 32 Note 7	(127 - 255) OFF, 0 -127
#	OF 4E	0000 aaaa		
	OF 4F	0000 bbbb	Step 32 Note 8	(127 - 255) OFF, 0 -127
	OF 50	0aaa aaaa	Step 32 Velocity 1	(0 - 127)
	OF 51	0aaa aaaa	Step 32 Velocity 2	(0 - 127)
	OF 52	0aaa aaaa	Step 32 Velocity 3	(0 - 127)
	OF 53	0aaa aaaa	Step 32 Velocity 4	(0 - 127)
	OF 54	0aaa aaaa	Step 32 Velocity 5	(0 - 127)
	OF 55	0aaa aaaa	Step 32 Velocity 6	(0 - 127)
	OF 56	0aaa aaaa	Step 32 Velocity 7	(0 - 127)
	OF 57	0aaa aaaa	Step 32 Velocity 8	(0 - 127)
	OF 58	0aaa aaaa	Step 32 Gate 1	(0 - 101)
	OF 59	0aaa aaaa	Step 32 Gate 2	0 - 100, TIE (0 - 101)
	OF 5A	0aaa aaaa	Step 32 Gate 3	0 - 100, TIE (0 - 101)
	OF 5B	0aaa aaaa	Step 32 Gate 4	0 - 100, TIE (0 - 101)
	OF 5C	0aaa aaaa	Step 32 Gate 5	0 - 100, TIE (0 - 101)
	OF 5D	0aaa aaaa	Step 32 Gate 6	0 - 100, TIE (0 - 101)
	OF 5E	0aaa aaaa	Step 32 Gate 7	0 - 100, TIE (0 - 101)
	OF 5F	0aaa aaaa	Step 32 Gate 8	0 - 100, TIE (0 - 101)
#	OF 60	0000 aaaa		
	OF 61	0000 bbbb	Step 32 CC Number 1	(127 - 255) -1 - 127
#	OF 62	0000 aaaa		
	OF 63	0000 bbbb	Step 32 CC Number 2	(127 - 255) -1 - 127
#	OF 64	0000 aaaa		
	OF 65	0000 bbbb	Step 32 CC Number 3	(127 - 255) -1 - 127
#	OF 66	0000 aaaa		
	OF 67	0000 bbbb	Step 32 CC Number 4	(127 - 255) -1 - 127
#	OF 68	0000 aaaa		
	OF 69	0000 bbbb	Step 32 CC Value 1	(0 - 255)
#	OF 6A	0000 aaaa		
	OF 6B	0000 bbbb	Step 32 CC Value 2	(0 - 255)
#	OF 6C	0000 aaaa		
	OF 6D	0000 bbbb	Step 32 CC Value 3	(0 - 255)
#	OF 6E	0000 aaaa		
	OF 6F	0000 bbbb	Step 32 CC Value 4	(0 - 255)
	OF 70	0aaa aaaa	Reserved	
	OF 71	0aaa aaaa	Reserved	
	OF 72	0aaa aaaa	Reserved	
	OF 73	0aaa aaaa	Reserved	
	OF 74	0aaa aaaa	Reserved	
	OF 75	0aaa aaaa	Reserved	
	OF 76	0aaa aaaa	Reserved	
	OF 77	0aaa aaaa	Reserved	
	OF 78	0000 0aaa	Step 32 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OF 79	0000 0aaa	Step 32 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OF 7A	0000 0aaa	Step 32 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OF 7B	0000 0aaa	Step 32 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OF 7C	0000 0aaa	Step 32 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OF 7D	0000 0aaa	Step 32 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OF 7E	0000 0aaa	Step 32 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	OF 7F	0000 0aaa	Step 32 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	10 00	0000 aaaa		
	10 01	0000 bbbb	Step 33 Note 1	(127 - 255) OFF, 0 -127
#	10 02	0000 aaaa		
	10 03	0000 bbbb	Step 33 Note 2	(127 - 255) OFF, 0 -127

#	10 04	0000 aaaa		
	10 05	0000 bbbb	Step 33 Note 3	(127 - 255) OFF, 0 -127
#	10 06	0000 aaaa		
	10 07	0000 bbbb	Step 33 Note 4	(127 - 255) OFF, 0 -127
#	10 08	0000 aaaa		
	10 09	0000 bbbb	Step 33 Note 5	(127 - 255) OFF, 0 -127
#	10 0A	0000 aaaa		
	10 0B	0000 bbbb	Step 33 Note 6	(127 - 255) OFF, 0 -127
#	10 0C	0000 aaaa		
	10 0D	0000 bbbb	Step 33 Note 7	(127 - 255) OFF, 0 -127
#	10 0E	0000 aaaa		
	10 0F	0000 bbbb	Step 33 Note 8	(127 - 255) OFF, 0 -127
	10 10	0aaa aaaa	Step 33 Velocity 1	(0 - 127)
	10 11	0aaa aaaa	Step 33 Velocity 2	(0 - 127)
	10 12	0aaa aaaa	Step 33 Velocity 3	(0 - 127)
	10 13	0aaa aaaa	Step 33 Velocity 4	(0 - 127)
	10 14	0aaa aaaa	Step 33 Velocity 5	(0 - 127)
	10 15	0aaa aaaa	Step 33 Velocity 6	(0 - 127)
	10 16	0aaa aaaa	Step 33 Velocity 7	(0 - 127)
	10 17	0aaa aaaa	Step 33 Velocity 8	(0 - 127)
	10 18	0aaa aaaa	Step 33 Gate 1	(0 - 101)
	10 19	0aaa aaaa	Step 33 Gate 2	0 - 100, TIE (0 - 101)
	10 1A	0aaa aaaa	Step 33 Gate 3	0 - 100, TIE (0 - 101)
	10 1B	0aaa aaaa	Step 33 Gate 4	0 - 100, TIE (0 - 101)
	10 1C	0aaa aaaa	Step 33 Gate 5	0 - 100, TIE (0 - 101)
	10 1D	0aaa aaaa	Step 33 Gate 6	0 - 100, TIE (0 - 101)
	10 1E	0aaa aaaa	Step 33 Gate 7	0 - 100, TIE (0 - 101)
	10 1F	0aaa aaaa	Step 33 Gate 8	0 - 100, TIE (0 - 101)
#	10 20	0000 aaaa		
	10 21	0000 bbbb	Step 33 CC Number 1	(127 - 255) -1 - 127
#	10 22	0000 aaaa		
	10 23	0000 bbbb	Step 33 CC Number 2	(127 - 255) -1 - 127
#	10 24	0000 aaaa		
	10 25	0000 bbbb	Step 33 CC Number 3	(127 - 255) -1 - 127
#	10 26	0000 aaaa		
	10 27	0000 bbbb	Step 33 CC Number 4	(127 - 255) -1 - 127
#	10 28	0000 aaaa		
	10 29	0000 bbbb	Step 33 CC Value 1	(0 - 255)
#	10 2A	0000 aaaa		
	10 2B	0000 bbbb	Step 33 CC Value 2	(0 - 255)
#	10 2C	0000 aaaa		
	10 2D	0000 bbbb	Step 33 CC Value 3	(0 - 255)
#	10 2E	0000 aaaa		
	10 2F	0000 bbbb	Step 33 CC Value 4	(0 - 255)
	10 30	0aaa aaaa	Reserved	
	10 31	0aaa aaaa	Reserved	
	10 32	0aaa aaaa	Reserved	
	10 33	0aaa aaaa	Reserved	
	10 34	0aaa aaaa	Reserved	
	10 35	0aaa aaaa	Reserved	
	10 36	0aaa aaaa	Reserved	
	10 37	0aaa aaaa	Reserved	
	10 38	0000 0aaa	Step 33 Sub Step 1	(0 - 4)
	10 39	0000 0aaa	Step 33 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	10 3A	0000 0aaa	Step 33 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	10 3B	0000 0aaa	Step 33 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	10 3C	0000 0aaa	Step 33 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	10 3D	0000 0aaa	Step 33 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	10 3E	0000 0aaa	Step 33 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	10 3F	0000 0aaa	Step 33 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)

#	10 40	0000 aaaa			
	10 41	0000 bbbb	Step 34 Note 1	(127 - 255)	
				OFF, 0	-127
#	10 42	0000 aaaa			
	10 43	0000 bbbb	Step 34 Note 2	(127 - 255)	
				OFF, 0	-127
#	10 44	0000 aaaa			
	10 45	0000 bbbb	Step 34 Note 3	(127 - 255)	
				OFF, 0	-127
#	10 46	0000 aaaa			
	10 47	0000 bbbb	Step 34 Note 4	(127 - 255)	
				OFF, 0	-127
#	10 48	0000 aaaa			
	10 49	0000 bbbb	Step 34 Note 5	(127 - 255)	
				OFF, 0	-127
#	10 4A	0000 aaaa			
	10 4B	0000 bbbb	Step 34 Note 6	(127 - 255)	
				OFF, 0	-127
#	10 4C	0000 aaaa			
	10 4D	0000 bbbb	Step 34 Note 7	(127 - 255)	
				OFF, 0	-127
#	10 4E	0000 aaaa			
	10 4F	0000 bbbb	Step 34 Note 8	(127 - 255)	
				OFF, 0	-127
	10 50	0aaa aaaa	Step 34 Velocity 1	(0 - 127)	
	10 51	0aaa aaaa	Step 34 Velocity 2	(0 - 127)	
	10 52	0aaa aaaa	Step 34 Velocity 3	(0 - 127)	
	10 53	0aaa aaaa	Step 34 Velocity 4	(0 - 127)	
	10 54	0aaa aaaa	Step 34 Velocity 5	(0 - 127)	
	10 55	0aaa aaaa	Step 34 Velocity 6	(0 - 127)	
	10 56	0aaa aaaa	Step 34 Velocity 7	(0 - 127)	
	10 57	0aaa aaaa	Step 34 Velocity 8	(0 - 127)	
	10 58	0aaa aaaa	Step 34 Gate 1	(0 - 101)	
				0 - 100, TIE	
	10 59	0aaa aaaa	Step 34 Gate 2	(0 - 101)	
				0 - 100, TIE	
	10 5A	0aaa aaaa	Step 34 Gate 3	(0 - 101)	
				0 - 100, TIE	
	10 5B	0aaa aaaa	Step 34 Gate 4	(0 - 101)	
				0 - 100, TIE	
	10 5C	0aaa aaaa	Step 34 Gate 5	(0 - 101)	
				0 - 100, TIE	
	10 5D	0aaa aaaa	Step 34 Gate 6	(0 - 101)	
				0 - 100, TIE	
	10 5E	0aaa aaaa	Step 34 Gate 7	(0 - 101)	
				0 - 100, TIE	
	10 5F	0aaa aaaa	Step 34 Gate 8	(0 - 101)	
				0 - 100, TIE	
#	10 60	0000 aaaa			
	10 61	0000 bbbb	Step 34 CC Number 1	(127 - 255)	
				-1 - 127	
#	10 62	0000 aaaa			
	10 63	0000 bbbb	Step 34 CC Number 2	(127 - 255)	
				-1 - 127	
#	10 64	0000 aaaa			
	10 65	0000 bbbb	Step 34 CC Number 3	(127 - 255)	
				-1 - 127	
#	10 66	0000 aaaa			
	10 67	0000 bbbb	Step 34 CC Number 4	(127 - 255)	
				-1 - 127	
#	10 68	0000 aaaa			
	10 69	0000 bbbb	Step 34 CC Value 1	(0 - 255)	
#	10 6A	0000 aaaa			
	10 6B	0000 bbbb	Step 34 CC Value 2	(0 - 255)	
#	10 6C	0000 aaaa			
	10 6D	0000 bbbb	Step 34 CC Value 3	(0 - 255)	
#	10 6E	0000 aaaa			
	10 6F	0000 bbbb	Step 34 CC Value 4	(0 - 255)	
	10 70	0aaa aaaa	Reserved		
	10 71	0aaa aaaa	Reserved		
	10 72	0aaa aaaa	Reserved		
	10 73	0aaa aaaa	Reserved		
	10 74	0aaa aaaa	Reserved		
	10 75	0aaa aaaa	Reserved		
	10 76	0aaa aaaa	Reserved		
	10 77	0aaa aaaa	Reserved		
	10 78	0000 0aaa	Step 34 Sub Step 1	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	10 79	0000 0aaa	Step 34 Sub Step 2	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	10 7A	0000 0aaa	Step 34 Sub Step 3	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	10 7B	0000 0aaa	Step 34 Sub Step 4	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	10 7C	0000 0aaa	Step 34 Sub Step 5	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	10 7D	0000 0aaa	Step 34 Sub Step 6	(0 - 4)	

	10 7E	0000 Oaaa	Step 34 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	10 7F	0000 Oaaa	Step 34 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	11 00	0000 aaaa	Step 35 Note 1	(127 - 255) OFF, 0 -127
	11 01	0000 bbbb		
#	11 02	0000 aaaa	Step 35 Note 2	(127 - 255) OFF, 0 -127
	11 03	0000 bbbb		
#	11 04	0000 aaaa	Step 35 Note 3	(127 - 255) OFF, 0 -127
	11 05	0000 bbbb		
#	11 06	0000 aaaa	Step 35 Note 4	(127 - 255) OFF, 0 -127
	11 07	0000 bbbb		
#	11 08	0000 aaaa	Step 35 Note 5	(127 - 255) OFF, 0 -127
	11 09	0000 bbbb		
#	11 0A	0000 aaaa	Step 35 Note 6	(127 - 255) OFF, 0 -127
	11 0B	0000 bbbb		
#	11 0C	0000 aaaa	Step 35 Note 7	(127 - 255) OFF, 0 -127
	11 0D	0000 bbbb		
#	11 0E	0000 aaaa	Step 35 Note 8	(127 - 255) OFF, 0 -127
	11 0F	0000 bbbb		
	11 10	Oaaa aaaa	Step 35 Velocity 1	(0 - 127)
	11 11	Oaaa aaaa	Step 35 Velocity 2	(0 - 127)
	11 12	Oaaa aaaa	Step 35 Velocity 3	(0 - 127)
	11 13	Oaaa aaaa	Step 35 Velocity 4	(0 - 127)
	11 14	Oaaa aaaa	Step 35 Velocity 5	(0 - 127)
	11 15	Oaaa aaaa	Step 35 Velocity 6	(0 - 127)
	11 16	Oaaa aaaa	Step 35 Velocity 7	(0 - 127)
	11 17	Oaaa aaaa	Step 35 Velocity 8	(0 - 127)
	11 18	Oaaa aaaa	Step 35 Gate 1	(0 - 101)
	11 19	Oaaa aaaa	Step 35 Gate 2	0 - 100, TIE (0 - 101)
	11 1A	Oaaa aaaa	Step 35 Gate 3	0 - 100, TIE (0 - 101)
	11 1B	Oaaa aaaa	Step 35 Gate 4	0 - 100, TIE (0 - 101)
	11 1C	Oaaa aaaa	Step 35 Gate 5	0 - 100, TIE (0 - 101)
	11 1D	Oaaa aaaa	Step 35 Gate 6	0 - 100, TIE (0 - 101)
	11 1E	Oaaa aaaa	Step 35 Gate 7	0 - 100, TIE (0 - 101)
	11 1F	Oaaa aaaa	Step 35 Gate 8	0 - 100, TIE (0 - 101)
#	11 20	0000 aaaa	Step 35 CC Number 1	(127 - 255) -1 - 127
	11 21	0000 bbbb		
#	11 22	0000 aaaa	Step 35 CC Number 2	(127 - 255) -1 - 127
	11 23	0000 bbbb		
#	11 24	0000 aaaa	Step 35 CC Number 3	(127 - 255) -1 - 127
	11 25	0000 bbbb		
#	11 26	0000 aaaa	Step 35 CC Number 4	(127 - 255) -1 - 127
	11 27	0000 bbbb		
#	11 28	0000 aaaa	Step 35 CC Value 1	(0 - 255)
	11 29	0000 bbbb		
#	11 2A	0000 aaaa	Step 35 CC Value 2	(0 - 255)
	11 2B	0000 bbbb		
#	11 2C	0000 aaaa	Step 35 CC Value 3	(0 - 255)
	11 2D	0000 bbbb		
#	11 2E	0000 aaaa	Step 35 CC Value 4	(0 - 255)
	11 2F	0000 bbbb		
	11 30	Oaaa aaaa	Reserved	
	11 31	Oaaa aaaa	Reserved	
	11 32	Oaaa aaaa	Reserved	
	11 33	Oaaa aaaa	Reserved	
	11 34	Oaaa aaaa	Reserved	
	11 35	Oaaa aaaa	Reserved	
	11 36	Oaaa aaaa	Reserved	
	11 37	Oaaa aaaa	Reserved	
	11 38	0000 Oaaa	Step 35 Sub Step 1	(0 - 4)
	11 39	0000 Oaaa	Step 35 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	11 3A	0000 Oaaa	Step 35 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)

	11 3B	0000 0aaa	Step 35 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	11 3C	0000 0aaa	Step 35 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	11 3D	0000 0aaa	Step 35 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	11 3E	0000 0aaa	Step 35 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	11 3F	0000 0aaa	Step 35 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	11 40	0000 aaaa	Step 36 Note 1	(127 - 255) OFF, 0 -127
	11 41	0000 bbbb		
#	11 42	0000 aaaa	Step 36 Note 2	(127 - 255) OFF, 0 -127
	11 43	0000 bbbb		
#	11 44	0000 aaaa	Step 36 Note 3	(127 - 255) OFF, 0 -127
	11 45	0000 bbbb		
#	11 46	0000 aaaa	Step 36 Note 4	(127 - 255) OFF, 0 -127
	11 47	0000 bbbb		
#	11 48	0000 aaaa	Step 36 Note 5	(127 - 255) OFF, 0 -127
	11 49	0000 bbbb		
#	11 4A	0000 aaaa	Step 36 Note 6	(127 - 255) OFF, 0 -127
	11 4B	0000 bbbb		
#	11 4C	0000 aaaa	Step 36 Note 7	(127 - 255) OFF, 0 -127
	11 4D	0000 bbbb		
#	11 4E	0000 aaaa	Step 36 Note 8	(127 - 255) OFF, 0 -127
	11 4F	0000 bbbb		
	11 50	0aaa aaaa	Step 36 Velocity 1	(0 - 127)
	11 51	0aaa aaaa	Step 36 Velocity 2	(0 - 127)
	11 52	0aaa aaaa	Step 36 Velocity 3	(0 - 127)
	11 53	0aaa aaaa	Step 36 Velocity 4	(0 - 127)
	11 54	0aaa aaaa	Step 36 Velocity 5	(0 - 127)
	11 55	0aaa aaaa	Step 36 Velocity 6	(0 - 127)
	11 56	0aaa aaaa	Step 36 Velocity 7	(0 - 127)
	11 57	0aaa aaaa	Step 36 Velocity 8	(0 - 127)
	11 58	0aaa aaaa	Step 36 Gate 1	(0 - 101)
	11 59	0aaa aaaa	Step 36 Gate 2	0 - 100, TIE (0 - 101)
	11 5A	0aaa aaaa	Step 36 Gate 3	0 - 100, TIE (0 - 101)
	11 5B	0aaa aaaa	Step 36 Gate 4	0 - 100, TIE (0 - 101)
	11 5C	0aaa aaaa	Step 36 Gate 5	0 - 100, TIE (0 - 101)
	11 5D	0aaa aaaa	Step 36 Gate 6	0 - 100, TIE (0 - 101)
	11 5E	0aaa aaaa	Step 36 Gate 7	0 - 100, TIE (0 - 101)
	11 5F	0aaa aaaa	Step 36 Gate 8	0 - 100, TIE (0 - 101)
#	11 60	0000 aaaa	Step 36 CC Number 1	(127 - 255) -1 - 127
	11 61	0000 bbbb		
#	11 62	0000 aaaa	Step 36 CC Number 2	(127 - 255) -1 - 127
	11 63	0000 bbbb		
#	11 64	0000 aaaa	Step 36 CC Number 3	(127 - 255) -1 - 127
	11 65	0000 bbbb		
#	11 66	0000 aaaa	Step 36 CC Number 4	(127 - 255) -1 - 127
	11 67	0000 bbbb		
#	11 68	0000 aaaa	Step 36 CC Value 1	(0 - 255)
	11 69	0000 bbbb		
#	11 6A	0000 aaaa	Step 36 CC Value 2	(0 - 255)
	11 6B	0000 bbbb		
#	11 6C	0000 aaaa	Step 36 CC Value 3	(0 - 255)
	11 6D	0000 bbbb		
#	11 6E	0000 aaaa	Step 36 CC Value 4	(0 - 255)
	11 6F	0000 bbbb		
	11 70	0aaa aaaa	Reserved	
	11 71	0aaa aaaa	Reserved	
	11 72	0aaa aaaa	Reserved	
	11 73	0aaa aaaa	Reserved	
	11 74	0aaa aaaa	Reserved	
	11 75	0aaa aaaa	Reserved	
	11 76	0aaa aaaa	Reserved	

	11 77	0aaa aaaa	Reserved	
	11 78	0000 0aaa	Step 36 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	11 79	0000 0aaa	Step 36 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	11 7A	0000 0aaa	Step 36 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	11 7B	0000 0aaa	Step 36 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	11 7C	0000 0aaa	Step 36 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	11 7D	0000 0aaa	Step 36 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	11 7E	0000 0aaa	Step 36 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	11 7F	0000 0aaa	Step 36 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	12 00	0000 aaaa		
	12 01	0000 bbbb	Step 37 Note 1	(127 - 255) OFF, 0 -127
#	12 02	0000 aaaa		
	12 03	0000 bbbb	Step 37 Note 2	(127 - 255) OFF, 0 -127
#	12 04	0000 aaaa		
	12 05	0000 bbbb	Step 37 Note 3	(127 - 255) OFF, 0 -127
#	12 06	0000 aaaa		
	12 07	0000 bbbb	Step 37 Note 4	(127 - 255) OFF, 0 -127
#	12 08	0000 aaaa		
	12 09	0000 bbbb	Step 37 Note 5	(127 - 255) OFF, 0 -127
#	12 0A	0000 aaaa		
	12 0B	0000 bbbb	Step 37 Note 6	(127 - 255) OFF, 0 -127
#	12 0C	0000 aaaa		
	12 0D	0000 bbbb	Step 37 Note 7	(127 - 255) OFF, 0 -127
#	12 0E	0000 aaaa		
	12 0F	0000 bbbb	Step 37 Note 8	(127 - 255) OFF, 0 -127
	12 10	0aaa aaaa	Step 37 Velocity 1	(0 - 127)
	12 11	0aaa aaaa	Step 37 Velocity 2	(0 - 127)
	12 12	0aaa aaaa	Step 37 Velocity 3	(0 - 127)
	12 13	0aaa aaaa	Step 37 Velocity 4	(0 - 127)
	12 14	0aaa aaaa	Step 37 Velocity 5	(0 - 127)
	12 15	0aaa aaaa	Step 37 Velocity 6	(0 - 127)
	12 16	0aaa aaaa	Step 37 Velocity 7	(0 - 127)
	12 17	0aaa aaaa	Step 37 Velocity 8	(0 - 127)
	12 18	0aaa aaaa	Step 37 Gate 1	(0 - 101)
	12 19	0aaa aaaa	Step 37 Gate 2	0 - 100, TIE (0 - 101)
	12 1A	0aaa aaaa	Step 37 Gate 3	0 - 100, TIE (0 - 101)
	12 1B	0aaa aaaa	Step 37 Gate 4	0 - 100, TIE (0 - 101)
	12 1C	0aaa aaaa	Step 37 Gate 5	0 - 100, TIE (0 - 101)
	12 1D	0aaa aaaa	Step 37 Gate 6	0 - 100, TIE (0 - 101)
	12 1E	0aaa aaaa	Step 37 Gate 7	0 - 100, TIE (0 - 101)
	12 1F	0aaa aaaa	Step 37 Gate 8	0 - 100, TIE (0 - 101)
#	12 20	0000 aaaa		
	12 21	0000 bbbb	Step 37 CC Number 1	(127 - 255) -1 - 127
#	12 22	0000 aaaa		
	12 23	0000 bbbb	Step 37 CC Number 2	(127 - 255) -1 - 127
#	12 24	0000 aaaa		
	12 25	0000 bbbb	Step 37 CC Number 3	(127 - 255) -1 - 127
#	12 26	0000 aaaa		
	12 27	0000 bbbb	Step 37 CC Number 4	(127 - 255) -1 - 127
#	12 28	0000 aaaa		
	12 29	0000 bbbb	Step 37 CC Value 1	(0 - 255)
#	12 2A	0000 aaaa		
	12 2B	0000 bbbb	Step 37 CC Value 2	(0 - 255)
#	12 2C	0000 aaaa		
	12 2D	0000 bbbb	Step 37 CC Value 3	(0 - 255)
#	12 2E	0000 aaaa		
	12 2F	0000 bbbb	Step 37 CC Value 4	(0 - 255)
	12 30	0aaa aaaa	Reserved	

	12 31	0aaa aaaa	Reserved	
	12 32	0aaa aaaa	Reserved	
	12 33	0aaa aaaa	Reserved	
	12 34	0aaa aaaa	Reserved	
	12 35	0aaa aaaa	Reserved	
	12 36	0aaa aaaa	Reserved	
	12 37	0aaa aaaa	Reserved	
	12 38	0000 0aaa	Step 37 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 39	0000 0aaa	Step 37 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 3A	0000 0aaa	Step 37 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 3B	0000 0aaa	Step 37 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 3C	0000 0aaa	Step 37 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 3D	0000 0aaa	Step 37 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 3E	0000 0aaa	Step 37 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 3F	0000 0aaa	Step 37 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	12 40	0000 aaaa		
	12 41	0000 bbbb	Step 38 Note 1	(127 - 255) OFF, 0 -127
#	12 42	0000 aaaa		
	12 43	0000 bbbb	Step 38 Note 2	(127 - 255) OFF, 0 -127
#	12 44	0000 aaaa		
	12 45	0000 bbbb	Step 38 Note 3	(127 - 255) OFF, 0 -127
#	12 46	0000 aaaa		
	12 47	0000 bbbb	Step 38 Note 4	(127 - 255) OFF, 0 -127
#	12 48	0000 aaaa		
	12 49	0000 bbbb	Step 38 Note 5	(127 - 255) OFF, 0 -127
#	12 4A	0000 aaaa		
	12 4B	0000 bbbb	Step 38 Note 6	(127 - 255) OFF, 0 -127
#	12 4C	0000 aaaa		
	12 4D	0000 bbbb	Step 38 Note 7	(127 - 255) OFF, 0 -127
#	12 4E	0000 aaaa		
	12 4F	0000 bbbb	Step 38 Note 8	(127 - 255) OFF, 0 -127
	12 50	0aaa aaaa	Step 38 Velocity 1	(0 - 127)
	12 51	0aaa aaaa	Step 38 Velocity 2	(0 - 127)
	12 52	0aaa aaaa	Step 38 Velocity 3	(0 - 127)
	12 53	0aaa aaaa	Step 38 Velocity 4	(0 - 127)
	12 54	0aaa aaaa	Step 38 Velocity 5	(0 - 127)
	12 55	0aaa aaaa	Step 38 Velocity 6	(0 - 127)
	12 56	0aaa aaaa	Step 38 Velocity 7	(0 - 127)
	12 57	0aaa aaaa	Step 38 Velocity 8	(0 - 127)
	12 58	0aaa aaaa	Step 38 Gate 1	(0 - 101)
	12 59	0aaa aaaa	Step 38 Gate 2	0 - 100, TIE (0 - 101)
	12 5A	0aaa aaaa	Step 38 Gate 3	0 - 100, TIE (0 - 101)
	12 5B	0aaa aaaa	Step 38 Gate 4	0 - 100, TIE (0 - 101)
	12 5C	0aaa aaaa	Step 38 Gate 5	0 - 100, TIE (0 - 101)
	12 5D	0aaa aaaa	Step 38 Gate 6	0 - 100, TIE (0 - 101)
	12 5E	0aaa aaaa	Step 38 Gate 7	0 - 100, TIE (0 - 101)
	12 5F	0aaa aaaa	Step 38 Gate 8	0 - 100, TIE (0 - 101)
#	12 60	0000 aaaa		
	12 61	0000 bbbb	Step 38 CC Number 1	(127 - 255) -1 - 127
#	12 62	0000 aaaa		
	12 63	0000 bbbb	Step 38 CC Number 2	(127 - 255) -1 - 127
#	12 64	0000 aaaa		
	12 65	0000 bbbb	Step 38 CC Number 3	(127 - 255) -1 - 127
#	12 66	0000 aaaa		
	12 67	0000 bbbb	Step 38 CC Number 4	(127 - 255) -1 - 127
#	12 68	0000 aaaa		
	12 69	0000 bbbb	Step 38 CC Value 1	(0 - 255)
#	12 6A	0000 aaaa		

#	12 6B	0000 bbbb	Step 38 CC Value 2	(0 - 255)
	12 6C	0000 aaaa		
#	12 6D	0000 bbbb	Step 38 CC Value 3	(0 - 255)
	12 6E	0000 aaaa		
	12 6F	0000 bbbb	Step 38 CC Value 4	(0 - 255)
	12 70	0aaa aaaa	Reserved	
	12 71	0aaa aaaa	Reserved	
	12 72	0aaa aaaa	Reserved	
	12 73	0aaa aaaa	Reserved	
	12 74	0aaa aaaa	Reserved	
	12 75	0aaa aaaa	Reserved	
	12 76	0aaa aaaa	Reserved	
	12 77	0aaa aaaa	Reserved	
	12 78	0000 0aaa	Step 38 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 79	0000 0aaa	Step 38 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 7A	0000 0aaa	Step 38 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 7B	0000 0aaa	Step 38 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 7C	0000 0aaa	Step 38 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 7D	0000 0aaa	Step 38 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 7E	0000 0aaa	Step 38 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	12 7F	0000 0aaa	Step 38 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	13 00	0000 aaaa		
	13 01	0000 bbbb	Step 39 Note 1	(127 - 255) OFF, 0 -127
#	13 02	0000 aaaa		
	13 03	0000 bbbb	Step 39 Note 2	(127 - 255) OFF, 0 -127
#	13 04	0000 aaaa		
	13 05	0000 bbbb	Step 39 Note 3	(127 - 255) OFF, 0 -127
#	13 06	0000 aaaa		
	13 07	0000 bbbb	Step 39 Note 4	(127 - 255) OFF, 0 -127
#	13 08	0000 aaaa		
	13 09	0000 bbbb	Step 39 Note 5	(127 - 255) OFF, 0 -127
#	13 0A	0000 aaaa		
	13 0B	0000 bbbb	Step 39 Note 6	(127 - 255) OFF, 0 -127
#	13 0C	0000 aaaa		
	13 0D	0000 bbbb	Step 39 Note 7	(127 - 255) OFF, 0 -127
#	13 0E	0000 aaaa		
	13 0F	0000 bbbb	Step 39 Note 8	(127 - 255) OFF, 0 -127
	13 10	0aaa aaaa	Step 39 Velocity 1	(0 - 127)
	13 11	0aaa aaaa	Step 39 Velocity 2	(0 - 127)
	13 12	0aaa aaaa	Step 39 Velocity 3	(0 - 127)
	13 13	0aaa aaaa	Step 39 Velocity 4	(0 - 127)
	13 14	0aaa aaaa	Step 39 Velocity 5	(0 - 127)
	13 15	0aaa aaaa	Step 39 Velocity 6	(0 - 127)
	13 16	0aaa aaaa	Step 39 Velocity 7	(0 - 127)
	13 17	0aaa aaaa	Step 39 Velocity 8	(0 - 127)
	13 18	0aaa aaaa	Step 39 Gate 1	(0 - 101)
	13 19	0aaa aaaa	Step 39 Gate 2	0 - 100, TIE (0 - 101)
	13 1A	0aaa aaaa	Step 39 Gate 3	0 - 100, TIE (0 - 101)
	13 1B	0aaa aaaa	Step 39 Gate 4	0 - 100, TIE (0 - 101)
	13 1C	0aaa aaaa	Step 39 Gate 5	0 - 100, TIE (0 - 101)
	13 1D	0aaa aaaa	Step 39 Gate 6	0 - 100, TIE (0 - 101)
	13 1E	0aaa aaaa	Step 39 Gate 7	0 - 100, TIE (0 - 101)
	13 1F	0aaa aaaa	Step 39 Gate 8	0 - 100, TIE (0 - 101)
#	13 20	0000 aaaa		
	13 21	0000 bbbb	Step 39 CC Number 1	(127 - 255) -1 - 127
#	13 22	0000 aaaa		
	13 23	0000 bbbb	Step 39 CC Number 2	(127 - 255) -1 - 127
#	13 24	0000 aaaa		
	13 25	0000 bbbb	Step 39 CC Number 3	(127 - 255) -1 - 127

#	13 26	0000 aaaa		
	13 27	0000 bbbb	Step 39 CC Number 4	(127 - 255) -1 - 127
#	13 28	0000 aaaa		
	13 29	0000 bbbb	Step 39 CC Value 1	(0 - 255)
#	13 2A	0000 aaaa		
	13 2B	0000 bbbb	Step 39 CC Value 2	(0 - 255)
#	13 2C	0000 aaaa		
	13 2D	0000 bbbb	Step 39 CC Value 3	(0 - 255)
#	13 2E	0000 aaaa		
	13 2F	0000 bbbb	Step 39 CC Value 4	(0 - 255)
	13 30	0aaa aaaa	Reserved	
	13 31	0aaa aaaa	Reserved	
	13 32	0aaa aaaa	Reserved	
	13 33	0aaa aaaa	Reserved	
	13 34	0aaa aaaa	Reserved	
	13 35	0aaa aaaa	Reserved	
	13 36	0aaa aaaa	Reserved	
	13 37	0aaa aaaa	Reserved	
	13 38	0000 0aaa	Step 39 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 39	0000 0aaa	Step 39 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 3A	0000 0aaa	Step 39 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 3B	0000 0aaa	Step 39 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 3C	0000 0aaa	Step 39 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 3D	0000 0aaa	Step 39 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 3E	0000 0aaa	Step 39 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 3F	0000 0aaa	Step 39 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	13 40	0000 aaaa		
	13 41	0000 bbbb	Step 40 Note 1	(127 - 255) OFF, 0 -127
#	13 42	0000 aaaa		
	13 43	0000 bbbb	Step 40 Note 2	(127 - 255) OFF, 0 -127
#	13 44	0000 aaaa		
	13 45	0000 bbbb	Step 40 Note 3	(127 - 255) OFF, 0 -127
#	13 46	0000 aaaa		
	13 47	0000 bbbb	Step 40 Note 4	(127 - 255) OFF, 0 -127
#	13 48	0000 aaaa		
	13 49	0000 bbbb	Step 40 Note 5	(127 - 255) OFF, 0 -127
#	13 4A	0000 aaaa		
	13 4B	0000 bbbb	Step 40 Note 6	(127 - 255) OFF, 0 -127
#	13 4C	0000 aaaa		
	13 4D	0000 bbbb	Step 40 Note 7	(127 - 255) OFF, 0 -127
#	13 4E	0000 aaaa		
	13 4F	0000 bbbb	Step 40 Note 8	(127 - 255) OFF, 0 -127
	13 50	0aaa aaaa	Step 40 Velocity 1	(0 - 127)
	13 51	0aaa aaaa	Step 40 Velocity 2	(0 - 127)
	13 52	0aaa aaaa	Step 40 Velocity 3	(0 - 127)
	13 53	0aaa aaaa	Step 40 Velocity 4	(0 - 127)
	13 54	0aaa aaaa	Step 40 Velocity 5	(0 - 127)
	13 55	0aaa aaaa	Step 40 Velocity 6	(0 - 127)
	13 56	0aaa aaaa	Step 40 Velocity 7	(0 - 127)
	13 57	0aaa aaaa	Step 40 Velocity 8	(0 - 127)
	13 58	0aaa aaaa	Step 40 Gate 1	(0 - 101)
	13 59	0aaa aaaa	Step 40 Gate 2	0 - 100, TIE (0 - 101)
	13 5A	0aaa aaaa	Step 40 Gate 3	0 - 100, TIE (0 - 101)
	13 5B	0aaa aaaa	Step 40 Gate 4	0 - 100, TIE (0 - 101)
	13 5C	0aaa aaaa	Step 40 Gate 5	0 - 100, TIE (0 - 101)
	13 5D	0aaa aaaa	Step 40 Gate 6	0 - 100, TIE (0 - 101)
	13 5E	0aaa aaaa	Step 40 Gate 7	0 - 100, TIE (0 - 101)
	13 5F	0aaa aaaa	Step 40 Gate 8	0 - 100, TIE (0 - 101)
#	13 60	0000 aaaa		
	13 61	0000 bbbb	Step 40 CC Number 1	(127 - 255) -1 - 127

#	13 62	0000 aaaa	Step 40 CC Number 2	(127 - 255)
	13 63	0000 bbbb		-1 - 127
#	13 64	0000 aaaa	Step 40 CC Number 3	(127 - 255)
	13 65	0000 bbbb		-1 - 127
#	13 66	0000 aaaa	Step 40 CC Number 4	(127 - 255)
	13 67	0000 bbbb		-1 - 127
#	13 68	0000 aaaa	Step 40 CC Value 1	(0 - 255)
	13 69	0000 bbbb		
#	13 6A	0000 aaaa	Step 40 CC Value 2	(0 - 255)
	13 6B	0000 bbbb		
#	13 6C	0000 aaaa	Step 40 CC Value 3	(0 - 255)
	13 6D	0000 bbbb		
#	13 6E	0000 aaaa	Step 40 CC Value 4	(0 - 255)
	13 6F	0000 bbbb		
	13 70	0aaa aaaa	Reserved	
	13 71	0aaa aaaa	Reserved	
	13 72	0aaa aaaa	Reserved	
	13 73	0aaa aaaa	Reserved	
	13 74	0aaa aaaa	Reserved	
	13 75	0aaa aaaa	Reserved	
	13 76	0aaa aaaa	Reserved	
	13 77	0aaa aaaa	Reserved	
	13 78	0000 0aaa	Step 40 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 79	0000 0aaa	Step 40 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 7A	0000 0aaa	Step 40 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 7B	0000 0aaa	Step 40 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 7C	0000 0aaa	Step 40 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 7D	0000 0aaa	Step 40 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 7E	0000 0aaa	Step 40 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	13 7F	0000 0aaa	Step 40 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	14 00	0000 aaaa	Step 41 Note 1	(127 - 255)
	14 01	0000 bbbb		OFF, 0 -127
#	14 02	0000 aaaa	Step 41 Note 2	(127 - 255)
	14 03	0000 bbbb		OFF, 0 -127
#	14 04	0000 aaaa	Step 41 Note 3	(127 - 255)
	14 05	0000 bbbb		OFF, 0 -127
#	14 06	0000 aaaa	Step 41 Note 4	(127 - 255)
	14 07	0000 bbbb		OFF, 0 -127
#	14 08	0000 aaaa	Step 41 Note 5	(127 - 255)
	14 09	0000 bbbb		OFF, 0 -127
#	14 0A	0000 aaaa	Step 41 Note 6	(127 - 255)
	14 0B	0000 bbbb		OFF, 0 -127
#	14 0C	0000 aaaa	Step 41 Note 7	(127 - 255)
	14 0D	0000 bbbb		OFF, 0 -127
#	14 0E	0000 aaaa	Step 41 Note 8	(127 - 255)
	14 0F	0000 bbbb		OFF, 0 -127
	14 10	0aaa aaaa	Step 41 Velocity 1	(0 - 127)
	14 11	0aaa aaaa	Step 41 Velocity 2	(0 - 127)
	14 12	0aaa aaaa	Step 41 Velocity 3	(0 - 127)
	14 13	0aaa aaaa	Step 41 Velocity 4	(0 - 127)
	14 14	0aaa aaaa	Step 41 Velocity 5	(0 - 127)
	14 15	0aaa aaaa	Step 41 Velocity 6	(0 - 127)
	14 16	0aaa aaaa	Step 41 Velocity 7	(0 - 127)
	14 17	0aaa aaaa	Step 41 Velocity 8	(0 - 127)
	14 18	0aaa aaaa	Step 41 Gate 1	(0 - 101)
	14 19	0aaa aaaa	Step 41 Gate 2	0 - 100, TIE (0 - 101)
	14 1A	0aaa aaaa	Step 41 Gate 3	0 - 100, TIE (0 - 101)
	14 1B	0aaa aaaa	Step 41 Gate 4	0 - 100, TIE (0 - 101)
	14 1C	0aaa aaaa	Step 41 Gate 5	0 - 100, TIE (0 - 101)
	14 1D	0aaa aaaa	Step 41 Gate 6	0 - 100, TIE (0 - 101)
	14 1E	0aaa aaaa	Step 41 Gate 7	0 - 100, TIE (0 - 101)

	14 1F	0aaa aaaa	Step 41 Gate 8	0 - 100, TIE (0 - 101) 0 - 100, TIE
#	14 20	0000 aaaa		
	14 21	0000 bbbb	Step 41 CC Number 1	(127 - 255) -1 - 127
#	14 22	0000 aaaa		
	14 23	0000 bbbb	Step 41 CC Number 2	(127 - 255) -1 - 127
#	14 24	0000 aaaa		
	14 25	0000 bbbb	Step 41 CC Number 3	(127 - 255) -1 - 127
#	14 26	0000 aaaa		
	14 27	0000 bbbb	Step 41 CC Number 4	(127 - 255) -1 - 127
#	14 28	0000 aaaa		
	14 29	0000 bbbb	Step 41 CC Value 1	(0 - 255)
#	14 2A	0000 aaaa		
	14 2B	0000 bbbb	Step 41 CC Value 2	(0 - 255)
#	14 2C	0000 aaaa		
	14 2D	0000 bbbb	Step 41 CC Value 3	(0 - 255)
#	14 2E	0000 aaaa		
	14 2F	0000 bbbb	Step 41 CC Value 4	(0 - 255)
	14 30	0aaa aaaa	Reserved	
	14 31	0aaa aaaa	Reserved	
	14 32	0aaa aaaa	Reserved	
	14 33	0aaa aaaa	Reserved	
	14 34	0aaa aaaa	Reserved	
	14 35	0aaa aaaa	Reserved	
	14 36	0aaa aaaa	Reserved	
	14 37	0aaa aaaa	Reserved	
	14 38	0000 0aaa	Step 41 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	14 39	0000 0aaa	Step 41 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	14 3A	0000 0aaa	Step 41 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	14 3B	0000 0aaa	Step 41 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	14 3C	0000 0aaa	Step 41 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	14 3D	0000 0aaa	Step 41 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	14 3E	0000 0aaa	Step 41 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	14 3F	0000 0aaa	Step 41 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	14 40	0000 aaaa		
	14 41	0000 bbbb	Step 42 Note 1	(127 - 255) OFF, 0 -127
#	14 42	0000 aaaa		
	14 43	0000 bbbb	Step 42 Note 2	(127 - 255) OFF, 0 -127
#	14 44	0000 aaaa		
	14 45	0000 bbbb	Step 42 Note 3	(127 - 255) OFF, 0 -127
#	14 46	0000 aaaa		
	14 47	0000 bbbb	Step 42 Note 4	(127 - 255) OFF, 0 -127
#	14 48	0000 aaaa		
	14 49	0000 bbbb	Step 42 Note 5	(127 - 255) OFF, 0 -127
#	14 4A	0000 aaaa		
	14 4B	0000 bbbb	Step 42 Note 6	(127 - 255) OFF, 0 -127
#	14 4C	0000 aaaa		
	14 4D	0000 bbbb	Step 42 Note 7	(127 - 255) OFF, 0 -127
#	14 4E	0000 aaaa		
	14 4F	0000 bbbb	Step 42 Note 8	(127 - 255) OFF, 0 -127
	14 50	0aaa aaaa	Step 42 Velocity 1	(0 - 127)
	14 51	0aaa aaaa	Step 42 Velocity 2	(0 - 127)
	14 52	0aaa aaaa	Step 42 Velocity 3	(0 - 127)
	14 53	0aaa aaaa	Step 42 Velocity 4	(0 - 127)
	14 54	0aaa aaaa	Step 42 Velocity 5	(0 - 127)
	14 55	0aaa aaaa	Step 42 Velocity 6	(0 - 127)
	14 56	0aaa aaaa	Step 42 Velocity 7	(0 - 127)
	14 57	0aaa aaaa	Step 42 Velocity 8	(0 - 127)
	14 58	0aaa aaaa	Step 42 Gate 1	(0 - 101) 0 - 100, TIE
	14 59	0aaa aaaa	Step 42 Gate 2	(0 - 101) 0 - 100, TIE
	14 5A	0aaa aaaa	Step 42 Gate 3	(0 - 101) 0 - 100, TIE
	14 5B	0aaa aaaa	Step 42 Gate 4	(0 - 101)

	14 5C	0aaa aaaa	Step 42 Gate 5	0 - 100, TIE (0 - 101)
	14 5D	0aaa aaaa	Step 42 Gate 6	0 - 100, TIE (0 - 101)
	14 5E	0aaa aaaa	Step 42 Gate 7	0 - 100, TIE (0 - 101)
	14 5F	0aaa aaaa	Step 42 Gate 8	0 - 100, TIE (0 - 101)
#	14 60	0000 aaaa	Step 42 CC Number 1	(127 - 255) -1 - 127
	14 61	0000 bbbb		
#	14 62	0000 aaaa	Step 42 CC Number 2	(127 - 255) -1 - 127
	14 63	0000 bbbb		
#	14 64	0000 aaaa	Step 42 CC Number 3	(127 - 255) -1 - 127
	14 65	0000 bbbb		
#	14 66	0000 aaaa	Step 42 CC Number 4	(127 - 255) -1 - 127
	14 67	0000 bbbb		
#	14 68	0000 aaaa	Step 42 CC Value 1	(0 - 255)
	14 69	0000 bbbb		
#	14 6A	0000 aaaa	Step 42 CC Value 2	(0 - 255)
	14 6B	0000 bbbb		
#	14 6C	0000 aaaa	Step 42 CC Value 3	(0 - 255)
	14 6D	0000 bbbb		
#	14 6E	0000 aaaa	Step 42 CC Value 4	(0 - 255)
	14 6F	0000 bbbb		
	14 70	0aaa aaaa	Reserved	
	14 71	0aaa aaaa	Reserved	
	14 72	0aaa aaaa	Reserved	
	14 73	0aaa aaaa	Reserved	
	14 74	0aaa aaaa	Reserved	
	14 75	0aaa aaaa	Reserved	
	14 76	0aaa aaaa	Reserved	
	14 77	0aaa aaaa	Reserved	
	14 78	0000 0aaa	Step 42 Sub Step 1	(0 - 4)
	14 79	0000 0aaa	Step 42 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	14 7A	0000 0aaa	Step 42 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	14 7B	0000 0aaa	Step 42 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	14 7C	0000 0aaa	Step 42 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	14 7D	0000 0aaa	Step 42 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	14 7E	0000 0aaa	Step 42 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	14 7F	0000 0aaa	Step 42 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	15 00	0000 aaaa	Step 43 Note 1	(127 - 255) OFF, 0 -127
	15 01	0000 bbbb		
#	15 02	0000 aaaa	Step 43 Note 2	(127 - 255) OFF, 0 -127
	15 03	0000 bbbb		
#	15 04	0000 aaaa	Step 43 Note 3	(127 - 255) OFF, 0 -127
	15 05	0000 bbbb		
#	15 06	0000 aaaa	Step 43 Note 4	(127 - 255) OFF, 0 -127
	15 07	0000 bbbb		
#	15 08	0000 aaaa	Step 43 Note 5	(127 - 255) OFF, 0 -127
	15 09	0000 bbbb		
#	15 0A	0000 aaaa	Step 43 Note 6	(127 - 255) OFF, 0 -127
	15 0B	0000 bbbb		
#	15 0C	0000 aaaa	Step 43 Note 7	(127 - 255) OFF, 0 -127
	15 0D	0000 bbbb		
#	15 0E	0000 aaaa	Step 43 Note 8	(127 - 255) OFF, 0 -127
	15 0F	0000 bbbb		
	15 10	0aaa aaaa	Step 43 Velocity 1	(0 - 127)
	15 11	0aaa aaaa	Step 43 Velocity 2	(0 - 127)
	15 12	0aaa aaaa	Step 43 Velocity 3	(0 - 127)
	15 13	0aaa aaaa	Step 43 Velocity 4	(0 - 127)
	15 14	0aaa aaaa	Step 43 Velocity 5	(0 - 127)
	15 15	0aaa aaaa	Step 43 Velocity 6	(0 - 127)
	15 16	0aaa aaaa	Step 43 Velocity 7	(0 - 127)
	15 17	0aaa aaaa	Step 43 Velocity 8	(0 - 127)
	15 18	0aaa aaaa	Step 43 Gate 1	(0 - 101)

	15 19	0aaa aaaa	Step 43 Gate 2	0 - 100, TIE (0 - 101)
	15 1A	0aaa aaaa	Step 43 Gate 3	0 - 100, TIE (0 - 101)
	15 1B	0aaa aaaa	Step 43 Gate 4	0 - 100, TIE (0 - 101)
	15 1C	0aaa aaaa	Step 43 Gate 5	0 - 100, TIE (0 - 101)
	15 1D	0aaa aaaa	Step 43 Gate 6	0 - 100, TIE (0 - 101)
	15 1E	0aaa aaaa	Step 43 Gate 7	0 - 100, TIE (0 - 101)
	15 1F	0aaa aaaa	Step 43 Gate 8	0 - 100, TIE (0 - 101)
#	15 20	0000 aaaa	Step 43 CC Number 1	(127 - 255) -1 - 127
	15 21	0000 bbbb		
#	15 22	0000 aaaa	Step 43 CC Number 2	(127 - 255) -1 - 127
	15 23	0000 bbbb		
#	15 24	0000 aaaa	Step 43 CC Number 3	(127 - 255) -1 - 127
	15 25	0000 bbbb		
#	15 26	0000 aaaa	Step 43 CC Number 4	(127 - 255) -1 - 127
	15 27	0000 bbbb		
#	15 28	0000 aaaa	Step 43 CC Value 1	(0 - 255)
	15 29	0000 bbbb		
#	15 2A	0000 aaaa	Step 43 CC Value 2	(0 - 255)
	15 2B	0000 bbbb		
#	15 2C	0000 aaaa	Step 43 CC Value 3	(0 - 255)
	15 2D	0000 bbbb		
#	15 2E	0000 aaaa	Step 43 CC Value 4	(0 - 255)
	15 2F	0000 bbbb		
	15 30	0aaa aaaa	Reserved	
	15 31	0aaa aaaa	Reserved	
	15 32	0aaa aaaa	Reserved	
	15 33	0aaa aaaa	Reserved	
	15 34	0aaa aaaa	Reserved	
	15 35	0aaa aaaa	Reserved	
	15 36	0aaa aaaa	Reserved	
	15 37	0aaa aaaa	Reserved	
	15 38	0000 0aaa	Step 43 Sub Step 1	(0 - 4)
	15 39	0000 0aaa	Step 43 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	15 3A	0000 0aaa	Step 43 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	15 3B	0000 0aaa	Step 43 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	15 3C	0000 0aaa	Step 43 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	15 3D	0000 0aaa	Step 43 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	15 3E	0000 0aaa	Step 43 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	15 3F	0000 0aaa	Step 43 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	15 40	0000 aaaa	Step 44 Note 1	(127 - 255) OFF, 0 -127
	15 41	0000 bbbb		
#	15 42	0000 aaaa	Step 44 Note 2	(127 - 255) OFF, 0 -127
	15 43	0000 bbbb		
#	15 44	0000 aaaa	Step 44 Note 3	(127 - 255) OFF, 0 -127
	15 45	0000 bbbb		
#	15 46	0000 aaaa	Step 44 Note 4	(127 - 255) OFF, 0 -127
	15 47	0000 bbbb		
#	15 48	0000 aaaa	Step 44 Note 5	(127 - 255) OFF, 0 -127
	15 49	0000 bbbb		
#	15 4A	0000 aaaa	Step 44 Note 6	(127 - 255) OFF, 0 -127
	15 4B	0000 bbbb		
#	15 4C	0000 aaaa	Step 44 Note 7	(127 - 255) OFF, 0 -127
	15 4D	0000 bbbb		
#	15 4E	0000 aaaa	Step 44 Note 8	(127 - 255) OFF, 0 -127
	15 4F	0000 bbbb		
	15 50	0aaa aaaa	Step 44 Velocity 1	(0 - 127)
	15 51	0aaa aaaa	Step 44 Velocity 2	(0 - 127)
	15 52	0aaa aaaa	Step 44 Velocity 3	(0 - 127)

	15 53	0aaa aaaa	Step 44 Velocity 4	(0 - 127)
	15 54	0aaa aaaa	Step 44 Velocity 5	(0 - 127)
	15 55	0aaa aaaa	Step 44 Velocity 6	(0 - 127)
	15 56	0aaa aaaa	Step 44 Velocity 7	(0 - 127)
	15 57	0aaa aaaa	Step 44 Velocity 8	(0 - 127)
	15 58	0aaa aaaa	Step 44 Gate 1	(0 - 101)
				0 - 100, TIE
	15 59	0aaa aaaa	Step 44 Gate 2	(0 - 101)
				0 - 100, TIE
	15 5A	0aaa aaaa	Step 44 Gate 3	(0 - 101)
				0 - 100, TIE
	15 5B	0aaa aaaa	Step 44 Gate 4	(0 - 101)
				0 - 100, TIE
	15 5C	0aaa aaaa	Step 44 Gate 5	(0 - 101)
				0 - 100, TIE
	15 5D	0aaa aaaa	Step 44 Gate 6	(0 - 101)
				0 - 100, TIE
	15 5E	0aaa aaaa	Step 44 Gate 7	(0 - 101)
				0 - 100, TIE
	15 5F	0aaa aaaa	Step 44 Gate 8	(0 - 101)
				0 - 100, TIE
#	15 60	0000 aaaa		
	15 61	0000 bbbb	Step 44 CC Number 1	(127 - 255)
				-1 - 127
#	15 62	0000 aaaa		
	15 63	0000 bbbb	Step 44 CC Number 2	(127 - 255)
				-1 - 127
#	15 64	0000 aaaa		
	15 65	0000 bbbb	Step 44 CC Number 3	(127 - 255)
				-1 - 127
#	15 66	0000 aaaa		
	15 67	0000 bbbb	Step 44 CC Number 4	(127 - 255)
				-1 - 127
#	15 68	0000 aaaa		
	15 69	0000 bbbb	Step 44 CC Value 1	(0 - 255)
#	15 6A	0000 aaaa		
	15 6B	0000 bbbb	Step 44 CC Value 2	(0 - 255)
#	15 6C	0000 aaaa		
	15 6D	0000 bbbb	Step 44 CC Value 3	(0 - 255)
#	15 6E	0000 aaaa		
	15 6F	0000 bbbb	Step 44 CC Value 4	(0 - 255)
	15 70	0aaa aaaa	Reserved	
	15 71	0aaa aaaa	Reserved	
	15 72	0aaa aaaa	Reserved	
	15 73	0aaa aaaa	Reserved	
	15 74	0aaa aaaa	Reserved	
	15 75	0aaa aaaa	Reserved	
	15 76	0aaa aaaa	Reserved	
	15 77	0aaa aaaa	Reserved	
	15 78	0000 0aaa	Step 44 Sub Step 1	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	15 79	0000 0aaa	Step 44 Sub Step 2	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	15 7A	0000 0aaa	Step 44 Sub Step 3	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	15 7B	0000 0aaa	Step 44 Sub Step 4	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	15 7C	0000 0aaa	Step 44 Sub Step 5	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	15 7D	0000 0aaa	Step 44 Sub Step 6	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	15 7E	0000 0aaa	Step 44 Sub Step 7	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	15 7F	0000 0aaa	Step 44 Sub Step 8	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
#	16 00	0000 aaaa		
	16 01	0000 bbbb	Step 45 Note 1	(127 - 255)
				OFF, 0 -127
#	16 02	0000 aaaa		
	16 03	0000 bbbb	Step 45 Note 2	(127 - 255)
				OFF, 0 -127
#	16 04	0000 aaaa		
	16 05	0000 bbbb	Step 45 Note 3	(127 - 255)
				OFF, 0 -127
#	16 06	0000 aaaa		
	16 07	0000 bbbb	Step 45 Note 4	(127 - 255)
				OFF, 0 -127
#	16 08	0000 aaaa		
	16 09	0000 bbbb	Step 45 Note 5	(127 - 255)
				OFF, 0 -127
#	16 0A	0000 aaaa		
	16 0B	0000 bbbb	Step 45 Note 6	(127 - 255)
				OFF, 0 -127
#	16 0C	0000 aaaa		
	16 0D	0000 bbbb	Step 45 Note 7	(127 - 255)
				OFF, 0 -127

#	16 0E	0000 aaaa		
	16 0F	0000 bbbb	Step 45 Note 8	(127 - 255) OFF, 0 -127
	16 10	0aaa aaaa	Step 45 Velocity 1	(0 - 127)
	16 11	0aaa aaaa	Step 45 Velocity 2	(0 - 127)
	16 12	0aaa aaaa	Step 45 Velocity 3	(0 - 127)
	16 13	0aaa aaaa	Step 45 Velocity 4	(0 - 127)
	16 14	0aaa aaaa	Step 45 Velocity 5	(0 - 127)
	16 15	0aaa aaaa	Step 45 Velocity 6	(0 - 127)
	16 16	0aaa aaaa	Step 45 Velocity 7	(0 - 127)
	16 17	0aaa aaaa	Step 45 Velocity 8	(0 - 127)
	16 18	0aaa aaaa	Step 45 Gate 1	(0 - 101)
	16 19	0aaa aaaa	Step 45 Gate 2	0 - 100, TIE (0 - 101)
	16 1A	0aaa aaaa	Step 45 Gate 3	0 - 100, TIE (0 - 101)
	16 1B	0aaa aaaa	Step 45 Gate 4	0 - 100, TIE (0 - 101)
	16 1C	0aaa aaaa	Step 45 Gate 5	0 - 100, TIE (0 - 101)
	16 1D	0aaa aaaa	Step 45 Gate 6	0 - 100, TIE (0 - 101)
	16 1E	0aaa aaaa	Step 45 Gate 7	0 - 100, TIE (0 - 101)
	16 1F	0aaa aaaa	Step 45 Gate 8	0 - 100, TIE (0 - 101)
#	16 20	0000 aaaa		
	16 21	0000 bbbb	Step 45 CC Number 1	(127 - 255) -1 - 127
#	16 22	0000 aaaa		
	16 23	0000 bbbb	Step 45 CC Number 2	(127 - 255) -1 - 127
#	16 24	0000 aaaa		
	16 25	0000 bbbb	Step 45 CC Number 3	(127 - 255) -1 - 127
#	16 26	0000 aaaa		
	16 27	0000 bbbb	Step 45 CC Number 4	(127 - 255) -1 - 127
#	16 28	0000 aaaa		
	16 29	0000 bbbb	Step 45 CC Value 1	(0 - 255)
#	16 2A	0000 aaaa		
	16 2B	0000 bbbb	Step 45 CC Value 2	(0 - 255)
#	16 2C	0000 aaaa		
	16 2D	0000 bbbb	Step 45 CC Value 3	(0 - 255)
#	16 2E	0000 aaaa		
	16 2F	0000 bbbb	Step 45 CC Value 4	(0 - 255)
	16 30	0aaa aaaa	Reserved	
	16 31	0aaa aaaa	Reserved	
	16 32	0aaa aaaa	Reserved	
	16 33	0aaa aaaa	Reserved	
	16 34	0aaa aaaa	Reserved	
	16 35	0aaa aaaa	Reserved	
	16 36	0aaa aaaa	Reserved	
	16 37	0aaa aaaa	Reserved	
	16 38	0000 0aaa	Step 45 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	16 39	0000 0aaa	Step 45 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	16 3A	0000 0aaa	Step 45 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	16 3B	0000 0aaa	Step 45 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	16 3C	0000 0aaa	Step 45 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	16 3D	0000 0aaa	Step 45 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	16 3E	0000 0aaa	Step 45 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	16 3F	0000 0aaa	Step 45 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	16 40	0000 aaaa		
	16 41	0000 bbbb	Step 46 Note 1	(127 - 255) OFF, 0 -127
#	16 42	0000 aaaa		
	16 43	0000 bbbb	Step 46 Note 2	(127 - 255) OFF, 0 -127
#	16 44	0000 aaaa		
	16 45	0000 bbbb	Step 46 Note 3	(127 - 255) OFF, 0 -127
#	16 46	0000 aaaa		
	16 47	0000 bbbb	Step 46 Note 4	(127 - 255) OFF, 0 -127
#	16 48	0000 aaaa		
	16 49	0000 bbbb	Step 46 Note 5	(127 - 255) OFF, 0 -127

#	16 4A	0000 aaaa	Step 46 Note 6	(127 - 255) OFF, 0 -127
	16 4B	0000 bbbb		
#	16 4C	0000 aaaa	Step 46 Note 7	(127 - 255) OFF, 0 -127
	16 4D	0000 bbbb		
#	16 4E	0000 aaaa	Step 46 Note 8	(127 - 255) OFF, 0 -127
	16 4F	0000 bbbb		
	16 50	0aaa aaaa	Step 46 Velocity 1	(0 - 127)
	16 51	0aaa aaaa	Step 46 Velocity 2	(0 - 127)
	16 52	0aaa aaaa	Step 46 Velocity 3	(0 - 127)
	16 53	0aaa aaaa	Step 46 Velocity 4	(0 - 127)
	16 54	0aaa aaaa	Step 46 Velocity 5	(0 - 127)
	16 55	0aaa aaaa	Step 46 Velocity 6	(0 - 127)
	16 56	0aaa aaaa	Step 46 Velocity 7	(0 - 127)
	16 57	0aaa aaaa	Step 46 Velocity 8	(0 - 127)
	16 58	0aaa aaaa	Step 46 Gate 1	(0 - 101)
	16 59	0aaa aaaa	Step 46 Gate 2	0 - 100, TIE (0 - 101)
	16 5A	0aaa aaaa	Step 46 Gate 3	0 - 100, TIE (0 - 101)
	16 5B	0aaa aaaa	Step 46 Gate 4	0 - 100, TIE (0 - 101)
	16 5C	0aaa aaaa	Step 46 Gate 5	0 - 100, TIE (0 - 101)
	16 5D	0aaa aaaa	Step 46 Gate 6	0 - 100, TIE (0 - 101)
	16 5E	0aaa aaaa	Step 46 Gate 7	0 - 100, TIE (0 - 101)
	16 5F	0aaa aaaa	Step 46 Gate 8	0 - 100, TIE (0 - 101)
#	16 60	0000 aaaa	Step 46 CC Number 1	(127 - 255) -1 - 127
	16 61	0000 bbbb		
#	16 62	0000 aaaa	Step 46 CC Number 2	(127 - 255) -1 - 127
	16 63	0000 bbbb		
#	16 64	0000 aaaa	Step 46 CC Number 3	(127 - 255) -1 - 127
	16 65	0000 bbbb		
#	16 66	0000 aaaa	Step 46 CC Number 4	(127 - 255) -1 - 127
	16 67	0000 bbbb		
#	16 68	0000 aaaa	Step 46 CC Value 1	(0 - 255)
	16 69	0000 bbbb		
#	16 6A	0000 aaaa	Step 46 CC Value 2	(0 - 255)
	16 6B	0000 bbbb		
#	16 6C	0000 aaaa	Step 46 CC Value 3	(0 - 255)
	16 6D	0000 bbbb		
#	16 6E	0000 aaaa	Step 46 CC Value 4	(0 - 255)
	16 6F	0000 bbbb		
	16 70	0aaa aaaa	Reserved	
	16 71	0aaa aaaa	Reserved	
	16 72	0aaa aaaa	Reserved	
	16 73	0aaa aaaa	Reserved	
	16 74	0aaa aaaa	Reserved	
	16 75	0aaa aaaa	Reserved	
	16 76	0aaa aaaa	Reserved	
	16 77	0aaa aaaa	Reserved	
	16 78	0000 0aaa	Step 46 Sub Step 1	(0 - 4)
	16 79	0000 0aaa	Step 46 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	16 7A	0000 0aaa	Step 46 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	16 7B	0000 0aaa	Step 46 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	16 7C	0000 0aaa	Step 46 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	16 7D	0000 0aaa	Step 46 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	16 7E	0000 0aaa	Step 46 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	16 7F	0000 0aaa	Step 46 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	17 00	0000 aaaa	Step 47 Note 1	(127 - 255) OFF, 0 -127
	17 01	0000 bbbb		
#	17 02	0000 aaaa	Step 47 Note 2	(127 - 255) OFF, 0 -127
	17 03	0000 bbbb		
#	17 04	0000 aaaa	Step 47 Note 3	(127 - 255) OFF, 0 -127
	17 05	0000 bbbb		

#	17 06	0000 aaaa	Step 47 Note 4	(127 - 255) OFF, 0 -127
	17 07	0000 bbbb		
#	17 08	0000 aaaa	Step 47 Note 5	(127 - 255) OFF, 0 -127
	17 09	0000 bbbb		
#	17 0A	0000 aaaa	Step 47 Note 6	(127 - 255) OFF, 0 -127
	17 0B	0000 bbbb		
#	17 0C	0000 aaaa	Step 47 Note 7	(127 - 255) OFF, 0 -127
	17 0D	0000 bbbb		
#	17 0E	0000 aaaa	Step 47 Note 8	(127 - 255) OFF, 0 -127
	17 0F	0000 bbbb		
	17 10	0aaa aaaa	Step 47 Velocity 1	(0 - 127)
	17 11	0aaa aaaa	Step 47 Velocity 2	(0 - 127)
	17 12	0aaa aaaa	Step 47 Velocity 3	(0 - 127)
	17 13	0aaa aaaa	Step 47 Velocity 4	(0 - 127)
	17 14	0aaa aaaa	Step 47 Velocity 5	(0 - 127)
	17 15	0aaa aaaa	Step 47 Velocity 6	(0 - 127)
	17 16	0aaa aaaa	Step 47 Velocity 7	(0 - 127)
	17 17	0aaa aaaa	Step 47 Velocity 8	(0 - 127)
	17 18	0aaa aaaa	Step 47 Gate 1	(0 - 101)
	17 19	0aaa aaaa	Step 47 Gate 2	0 - 100, TIE (0 - 101)
	17 1A	0aaa aaaa	Step 47 Gate 3	0 - 100, TIE (0 - 101)
	17 1B	0aaa aaaa	Step 47 Gate 4	0 - 100, TIE (0 - 101)
	17 1C	0aaa aaaa	Step 47 Gate 5	0 - 100, TIE (0 - 101)
	17 1D	0aaa aaaa	Step 47 Gate 6	0 - 100, TIE (0 - 101)
	17 1E	0aaa aaaa	Step 47 Gate 7	0 - 100, TIE (0 - 101)
	17 1F	0aaa aaaa	Step 47 Gate 8	0 - 100, TIE (0 - 101)
#	17 20	0000 aaaa	Step 47 CC Number 1	(127 - 255) -1 - 127
	17 21	0000 bbbb		
#	17 22	0000 aaaa	Step 47 CC Number 2	(127 - 255) -1 - 127
	17 23	0000 bbbb		
#	17 24	0000 aaaa	Step 47 CC Number 3	(127 - 255) -1 - 127
	17 25	0000 bbbb		
#	17 26	0000 aaaa	Step 47 CC Number 4	(127 - 255) -1 - 127
	17 27	0000 bbbb		
#	17 28	0000 aaaa	Step 47 CC Value 1	(0 - 255)
	17 29	0000 bbbb		
#	17 2A	0000 aaaa	Step 47 CC Value 2	(0 - 255)
	17 2B	0000 bbbb		
#	17 2C	0000 aaaa	Step 47 CC Value 3	(0 - 255)
	17 2D	0000 bbbb		
#	17 2E	0000 aaaa	Step 47 CC Value 4	(0 - 255)
	17 2F	0000 bbbb		
	17 30	0aaa aaaa	Reserved	
	17 31	0aaa aaaa	Reserved	
	17 32	0aaa aaaa	Reserved	
	17 33	0aaa aaaa	Reserved	
	17 34	0aaa aaaa	Reserved	
	17 35	0aaa aaaa	Reserved	
	17 36	0aaa aaaa	Reserved	
	17 37	0aaa aaaa	Reserved	
	17 38	0000 0aaa	Step 47 Sub Step 1	(0 - 4)
	17 39	0000 0aaa	Step 47 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 3A	0000 0aaa	Step 47 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 3B	0000 0aaa	Step 47 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 3C	0000 0aaa	Step 47 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 3D	0000 0aaa	Step 47 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 3E	0000 0aaa	Step 47 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 3F	0000 0aaa	Step 47 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	17 40	0000 aaaa	Step 48 Note 1	(127 - 255) OFF, 0 -127
	17 41	0000 bbbb		

#	17 42	0000 aaaa		
	17 43	0000 bbbb	Step 48 Note 2	(127 - 255) OFF, 0 -127
#	17 44	0000 aaaa		
	17 45	0000 bbbb	Step 48 Note 3	(127 - 255) OFF, 0 -127
#	17 46	0000 aaaa		
	17 47	0000 bbbb	Step 48 Note 4	(127 - 255) OFF, 0 -127
#	17 48	0000 aaaa		
	17 49	0000 bbbb	Step 48 Note 5	(127 - 255) OFF, 0 -127
#	17 4A	0000 aaaa		
	17 4B	0000 bbbb	Step 48 Note 6	(127 - 255) OFF, 0 -127
#	17 4C	0000 aaaa		
	17 4D	0000 bbbb	Step 48 Note 7	(127 - 255) OFF, 0 -127
#	17 4E	0000 aaaa		
	17 4F	0000 bbbb	Step 48 Note 8	(127 - 255) OFF, 0 -127
	17 50	0aaa aaaa	Step 48 Velocity 1	(0 - 127)
	17 51	0aaa aaaa	Step 48 Velocity 2	(0 - 127)
	17 52	0aaa aaaa	Step 48 Velocity 3	(0 - 127)
	17 53	0aaa aaaa	Step 48 Velocity 4	(0 - 127)
	17 54	0aaa aaaa	Step 48 Velocity 5	(0 - 127)
	17 55	0aaa aaaa	Step 48 Velocity 6	(0 - 127)
	17 56	0aaa aaaa	Step 48 Velocity 7	(0 - 127)
	17 57	0aaa aaaa	Step 48 Velocity 8	(0 - 127)
	17 58	0aaa aaaa	Step 48 Gate 1	(0 - 101)
	17 59	0aaa aaaa	Step 48 Gate 2	0 - 100, TIE (0 - 101)
	17 5A	0aaa aaaa	Step 48 Gate 3	0 - 100, TIE (0 - 101)
	17 5B	0aaa aaaa	Step 48 Gate 4	0 - 100, TIE (0 - 101)
	17 5C	0aaa aaaa	Step 48 Gate 5	0 - 100, TIE (0 - 101)
	17 5D	0aaa aaaa	Step 48 Gate 6	0 - 100, TIE (0 - 101)
	17 5E	0aaa aaaa	Step 48 Gate 7	0 - 100, TIE (0 - 101)
	17 5F	0aaa aaaa	Step 48 Gate 8	0 - 100, TIE (0 - 101)
#	17 60	0000 aaaa		
	17 61	0000 bbbb	Step 48 CC Number 1	(127 - 255) -1 - 127
#	17 62	0000 aaaa		
	17 63	0000 bbbb	Step 48 CC Number 2	(127 - 255) -1 - 127
#	17 64	0000 aaaa		
	17 65	0000 bbbb	Step 48 CC Number 3	(127 - 255) -1 - 127
#	17 66	0000 aaaa		
	17 67	0000 bbbb	Step 48 CC Number 4	(127 - 255) -1 - 127
#	17 68	0000 aaaa		
	17 69	0000 bbbb	Step 48 CC Value 1	(0 - 255)
#	17 6A	0000 aaaa		
	17 6B	0000 bbbb	Step 48 CC Value 2	(0 - 255)
#	17 6C	0000 aaaa		
	17 6D	0000 bbbb	Step 48 CC Value 3	(0 - 255)
#	17 6E	0000 aaaa		
	17 6F	0000 bbbb	Step 48 CC Value 4	(0 - 255)
	17 70	0aaa aaaa	Reserved	
	17 71	0aaa aaaa	Reserved	
	17 72	0aaa aaaa	Reserved	
	17 73	0aaa aaaa	Reserved	
	17 74	0aaa aaaa	Reserved	
	17 75	0aaa aaaa	Reserved	
	17 76	0aaa aaaa	Reserved	
	17 77	0aaa aaaa	Reserved	
	17 78	0000 0aaa	Step 48 Sub Step 1	(0 - 4)
	17 79	0000 0aaa	Step 48 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 7A	0000 0aaa	Step 48 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 7B	0000 0aaa	Step 48 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 7C	0000 0aaa	Step 48 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 7D	0000 0aaa	Step 48 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	17 7E	0000 0aaa	Step 48 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)

	17 7F	0000 0aaa	Step 48 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	18 00	0000 aaaa	Step 49 Note 1	(127 - 255) OFF, 0 -127
	18 01	0000 bbbb		
#	18 02	0000 aaaa	Step 49 Note 2	(127 - 255) OFF, 0 -127
	18 03	0000 bbbb		
#	18 04	0000 aaaa	Step 49 Note 3	(127 - 255) OFF, 0 -127
	18 05	0000 bbbb		
#	18 06	0000 aaaa	Step 49 Note 4	(127 - 255) OFF, 0 -127
	18 07	0000 bbbb		
#	18 08	0000 aaaa	Step 49 Note 5	(127 - 255) OFF, 0 -127
	18 09	0000 bbbb		
#	18 0A	0000 aaaa	Step 49 Note 6	(127 - 255) OFF, 0 -127
	18 0B	0000 bbbb		
#	18 0C	0000 aaaa	Step 49 Note 7	(127 - 255) OFF, 0 -127
	18 0D	0000 bbbb		
#	18 0E	0000 aaaa	Step 49 Note 8	(127 - 255) OFF, 0 -127
	18 0F	0000 bbbb		
	18 10	0aaa aaaa	Step 49 Velocity 1	(0 - 127)
	18 11	0aaa aaaa	Step 49 Velocity 2	(0 - 127)
	18 12	0aaa aaaa	Step 49 Velocity 3	(0 - 127)
	18 13	0aaa aaaa	Step 49 Velocity 4	(0 - 127)
	18 14	0aaa aaaa	Step 49 Velocity 5	(0 - 127)
	18 15	0aaa aaaa	Step 49 Velocity 6	(0 - 127)
	18 16	0aaa aaaa	Step 49 Velocity 7	(0 - 127)
	18 17	0aaa aaaa	Step 49 Velocity 8	(0 - 127)
	18 18	0aaa aaaa	Step 49 Gate 1	(0 - 101)
	18 19	0aaa aaaa	Step 49 Gate 2	0 - 100, TIE (0 - 101)
	18 1A	0aaa aaaa	Step 49 Gate 3	0 - 100, TIE (0 - 101)
	18 1B	0aaa aaaa	Step 49 Gate 4	0 - 100, TIE (0 - 101)
	18 1C	0aaa aaaa	Step 49 Gate 5	0 - 100, TIE (0 - 101)
	18 1D	0aaa aaaa	Step 49 Gate 6	0 - 100, TIE (0 - 101)
	18 1E	0aaa aaaa	Step 49 Gate 7	0 - 100, TIE (0 - 101)
	18 1F	0aaa aaaa	Step 49 Gate 8	0 - 100, TIE (0 - 101)
#	18 20	0000 aaaa	Step 49 CC Number 1	(127 - 255) -1 - 127
	18 21	0000 bbbb		
#	18 22	0000 aaaa	Step 49 CC Number 2	(127 - 255) -1 - 127
	18 23	0000 bbbb		
#	18 24	0000 aaaa	Step 49 CC Number 3	(127 - 255) -1 - 127
	18 25	0000 bbbb		
#	18 26	0000 aaaa	Step 49 CC Number 4	(127 - 255) -1 - 127
	18 27	0000 bbbb		
#	18 28	0000 aaaa	Step 49 CC Value 1	(0 - 255)
	18 29	0000 bbbb		
#	18 2A	0000 aaaa	Step 49 CC Value 2	(0 - 255)
	18 2B	0000 bbbb		
#	18 2C	0000 aaaa	Step 49 CC Value 3	(0 - 255)
	18 2D	0000 bbbb		
#	18 2E	0000 aaaa	Step 49 CC Value 4	(0 - 255)
	18 2F	0000 bbbb		
	18 30	0aaa aaaa	Reserved	
	18 31	0aaa aaaa	Reserved	
	18 32	0aaa aaaa	Reserved	
	18 33	0aaa aaaa	Reserved	
	18 34	0aaa aaaa	Reserved	
	18 35	0aaa aaaa	Reserved	
	18 36	0aaa aaaa	Reserved	
	18 37	0aaa aaaa	Reserved	
	18 38	0000 0aaa	Step 49 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	18 39	0000 0aaa	Step 49 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	18 3A	0000 0aaa	Step 49 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	18 3B	0000 0aaa	Step 49 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2

	18 3C	0000 0aaa	Step 49 Sub Step 5	(0 - 4)
	18 3D	0000 0aaa	Step 49 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	18 3E	0000 0aaa	Step 49 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	18 3F	0000 0aaa	Step 49 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	18 40	0000 aaaa	Step 50 Note 1	(127 - 255) OFF, 0 -127
	18 41	0000 bbbb		
#	18 42	0000 aaaa	Step 50 Note 2	(127 - 255) OFF, 0 -127
	18 43	0000 bbbb		
#	18 44	0000 aaaa	Step 50 Note 3	(127 - 255) OFF, 0 -127
	18 45	0000 bbbb		
#	18 46	0000 aaaa	Step 50 Note 4	(127 - 255) OFF, 0 -127
	18 47	0000 bbbb		
#	18 48	0000 aaaa	Step 50 Note 5	(127 - 255) OFF, 0 -127
	18 49	0000 bbbb		
#	18 4A	0000 aaaa	Step 50 Note 6	(127 - 255) OFF, 0 -127
	18 4B	0000 bbbb		
#	18 4C	0000 aaaa	Step 50 Note 7	(127 - 255) OFF, 0 -127
	18 4D	0000 bbbb		
#	18 4E	0000 aaaa	Step 50 Note 8	(127 - 255) OFF, 0 -127
	18 4F	0000 bbbb		
	18 50	0aaa aaaa	Step 50 Velocity 1	(0 - 127)
	18 51	0aaa aaaa	Step 50 Velocity 2	(0 - 127)
	18 52	0aaa aaaa	Step 50 Velocity 3	(0 - 127)
	18 53	0aaa aaaa	Step 50 Velocity 4	(0 - 127)
	18 54	0aaa aaaa	Step 50 Velocity 5	(0 - 127)
	18 55	0aaa aaaa	Step 50 Velocity 6	(0 - 127)
	18 56	0aaa aaaa	Step 50 Velocity 7	(0 - 127)
	18 57	0aaa aaaa	Step 50 Velocity 8	(0 - 127)
	18 58	0aaa aaaa	Step 50 Gate 1	(0 - 101)
	18 59	0aaa aaaa	Step 50 Gate 2	0 - 100, TIE (0 - 101)
	18 5A	0aaa aaaa	Step 50 Gate 3	0 - 100, TIE (0 - 101)
	18 5B	0aaa aaaa	Step 50 Gate 4	0 - 100, TIE (0 - 101)
	18 5C	0aaa aaaa	Step 50 Gate 5	0 - 100, TIE (0 - 101)
	18 5D	0aaa aaaa	Step 50 Gate 6	0 - 100, TIE (0 - 101)
	18 5E	0aaa aaaa	Step 50 Gate 7	0 - 100, TIE (0 - 101)
	18 5F	0aaa aaaa	Step 50 Gate 8	0 - 100, TIE (0 - 101)
#	18 60	0000 aaaa	Step 50 CC Number 1	(127 - 255) -1 - 127
	18 61	0000 bbbb		
#	18 62	0000 aaaa	Step 50 CC Number 2	(127 - 255) -1 - 127
	18 63	0000 bbbb		
#	18 64	0000 aaaa	Step 50 CC Number 3	(127 - 255) -1 - 127
	18 65	0000 bbbb		
#	18 66	0000 aaaa	Step 50 CC Number 4	(127 - 255) -1 - 127
	18 67	0000 bbbb		
#	18 68	0000 aaaa	Step 50 CC Value 1	(0 - 255)
	18 69	0000 bbbb		
#	18 6A	0000 aaaa	Step 50 CC Value 2	(0 - 255)
	18 6B	0000 bbbb		
#	18 6C	0000 aaaa	Step 50 CC Value 3	(0 - 255)
	18 6D	0000 bbbb		
#	18 6E	0000 aaaa	Step 50 CC Value 4	(0 - 255)
	18 6F	0000 bbbb		
	18 70	0aaa aaaa	Reserved	
	18 71	0aaa aaaa	Reserved	
	18 72	0aaa aaaa	Reserved	
	18 73	0aaa aaaa	Reserved	
	18 74	0aaa aaaa	Reserved	
	18 75	0aaa aaaa	Reserved	
	18 76	0aaa aaaa	Reserved	
	18 77	0aaa aaaa	Reserved	
	18 78	0000 0aaa	Step 50 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2

	18 79	0000 0aaa	Step 50 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	18 7A	0000 0aaa	Step 50 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	18 7B	0000 0aaa	Step 50 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	18 7C	0000 0aaa	Step 50 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	18 7D	0000 0aaa	Step 50 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	18 7E	0000 0aaa	Step 50 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	18 7F	0000 0aaa	Step 50 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	19 00	0000 aaaa	Step 51 Note 1	(127 - 255) OFF, 0 -127
	19 01	0000 bbbb		
#	19 02	0000 aaaa	Step 51 Note 2	(127 - 255) OFF, 0 -127
	19 03	0000 bbbb		
#	19 04	0000 aaaa	Step 51 Note 3	(127 - 255) OFF, 0 -127
	19 05	0000 bbbb		
#	19 06	0000 aaaa	Step 51 Note 4	(127 - 255) OFF, 0 -127
	19 07	0000 bbbb		
#	19 08	0000 aaaa	Step 51 Note 5	(127 - 255) OFF, 0 -127
	19 09	0000 bbbb		
#	19 0A	0000 aaaa	Step 51 Note 6	(127 - 255) OFF, 0 -127
	19 0B	0000 bbbb		
#	19 0C	0000 aaaa	Step 51 Note 7	(127 - 255) OFF, 0 -127
	19 0D	0000 bbbb		
#	19 0E	0000 aaaa	Step 51 Note 8	(127 - 255) OFF, 0 -127
	19 0F	0000 bbbb		
	19 10	0aaa aaaa	Step 51 Velocity 1	(0 - 127)
	19 11	0aaa aaaa	Step 51 Velocity 2	(0 - 127)
	19 12	0aaa aaaa	Step 51 Velocity 3	(0 - 127)
	19 13	0aaa aaaa	Step 51 Velocity 4	(0 - 127)
	19 14	0aaa aaaa	Step 51 Velocity 5	(0 - 127)
	19 15	0aaa aaaa	Step 51 Velocity 6	(0 - 127)
	19 16	0aaa aaaa	Step 51 Velocity 7	(0 - 127)
	19 17	0aaa aaaa	Step 51 Velocity 8	(0 - 127)
	19 18	0aaa aaaa	Step 51 Gate 1	(0 - 101)
	19 19	0aaa aaaa	Step 51 Gate 2	0 - 100, TIE (0 - 101)
	19 1A	0aaa aaaa	Step 51 Gate 3	0 - 100, TIE (0 - 101)
	19 1B	0aaa aaaa	Step 51 Gate 4	0 - 100, TIE (0 - 101)
	19 1C	0aaa aaaa	Step 51 Gate 5	0 - 100, TIE (0 - 101)
	19 1D	0aaa aaaa	Step 51 Gate 6	0 - 100, TIE (0 - 101)
	19 1E	0aaa aaaa	Step 51 Gate 7	0 - 100, TIE (0 - 101)
	19 1F	0aaa aaaa	Step 51 Gate 8	0 - 100, TIE (0 - 101)
#	19 20	0000 aaaa	Step 51 CC Number 1	(127 - 255) -1 - 127
	19 21	0000 bbbb		
#	19 22	0000 aaaa	Step 51 CC Number 2	(127 - 255) -1 - 127
	19 23	0000 bbbb		
#	19 24	0000 aaaa	Step 51 CC Number 3	(127 - 255) -1 - 127
	19 25	0000 bbbb		
#	19 26	0000 aaaa	Step 51 CC Number 4	(127 - 255) -1 - 127
	19 27	0000 bbbb		
#	19 28	0000 aaaa	Step 51 CC Value 1	(0 - 255)
	19 29	0000 bbbb		
#	19 2A	0000 aaaa	Step 51 CC Value 2	(0 - 255)
	19 2B	0000 bbbb		
#	19 2C	0000 aaaa	Step 51 CC Value 3	(0 - 255)
	19 2D	0000 bbbb		
#	19 2E	0000 aaaa	Step 51 CC Value 4	(0 - 255)
	19 2F	0000 bbbb		
	19 30	0aaa aaaa	Reserved	
	19 31	0aaa aaaa	Reserved	
	19 32	0aaa aaaa	Reserved	
	19 33	0aaa aaaa	Reserved	

19 34	0aaa aaaa	Reserved	
19 35	0aaa aaaa	Reserved	
19 36	0aaa aaaa	Reserved	
19 37	0aaa aaaa	Reserved	
19 38	0000 0aaa	Step 51 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
19 39	0000 0aaa	Step 51 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
19 3A	0000 0aaa	Step 51 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
19 3B	0000 0aaa	Step 51 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
19 3C	0000 0aaa	Step 51 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
19 3D	0000 0aaa	Step 51 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
19 3E	0000 0aaa	Step 51 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
19 3F	0000 0aaa	Step 51 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	19 40	0000 aaaa	
	19 41	0000 bbbb	Step 52 Note 1 (127 - 255) OFF, 0 -127
#	19 42	0000 aaaa	
	19 43	0000 bbbb	Step 52 Note 2 (127 - 255) OFF, 0 -127
#	19 44	0000 aaaa	
	19 45	0000 bbbb	Step 52 Note 3 (127 - 255) OFF, 0 -127
#	19 46	0000 aaaa	
	19 47	0000 bbbb	Step 52 Note 4 (127 - 255) OFF, 0 -127
#	19 48	0000 aaaa	
	19 49	0000 bbbb	Step 52 Note 5 (127 - 255) OFF, 0 -127
#	19 4A	0000 aaaa	
	19 4B	0000 bbbb	Step 52 Note 6 (127 - 255) OFF, 0 -127
#	19 4C	0000 aaaa	
	19 4D	0000 bbbb	Step 52 Note 7 (127 - 255) OFF, 0 -127
#	19 4E	0000 aaaa	
	19 4F	0000 bbbb	Step 52 Note 8 (127 - 255) OFF, 0 -127
	19 50	0aaa aaaa	Step 52 Velocity 1 (0 - 127)
	19 51	0aaa aaaa	Step 52 Velocity 2 (0 - 127)
	19 52	0aaa aaaa	Step 52 Velocity 3 (0 - 127)
	19 53	0aaa aaaa	Step 52 Velocity 4 (0 - 127)
	19 54	0aaa aaaa	Step 52 Velocity 5 (0 - 127)
	19 55	0aaa aaaa	Step 52 Velocity 6 (0 - 127)
	19 56	0aaa aaaa	Step 52 Velocity 7 (0 - 127)
	19 57	0aaa aaaa	Step 52 Velocity 8 (0 - 127)
	19 58	0aaa aaaa	Step 52 Gate 1 (0 - 101)
	19 59	0aaa aaaa	Step 52 Gate 2 0 - 100, TIE (0 - 101)
	19 5A	0aaa aaaa	Step 52 Gate 3 0 - 100, TIE (0 - 101)
	19 5B	0aaa aaaa	Step 52 Gate 4 0 - 100, TIE (0 - 101)
	19 5C	0aaa aaaa	Step 52 Gate 5 0 - 100, TIE (0 - 101)
	19 5D	0aaa aaaa	Step 52 Gate 6 0 - 100, TIE (0 - 101)
	19 5E	0aaa aaaa	Step 52 Gate 7 0 - 100, TIE (0 - 101)
	19 5F	0aaa aaaa	Step 52 Gate 8 0 - 100, TIE (0 - 101)
#	19 60	0000 aaaa	
	19 61	0000 bbbb	Step 52 CC Number 1 (127 - 255) -1 - 127
#	19 62	0000 aaaa	
	19 63	0000 bbbb	Step 52 CC Number 2 (127 - 255) -1 - 127
#	19 64	0000 aaaa	
	19 65	0000 bbbb	Step 52 CC Number 3 (127 - 255) -1 - 127
#	19 66	0000 aaaa	
	19 67	0000 bbbb	Step 52 CC Number 4 (127 - 255) -1 - 127
#	19 68	0000 aaaa	
	19 69	0000 bbbb	Step 52 CC Value 1 (0 - 255)
#	19 6A	0000 aaaa	
	19 6B	0000 bbbb	Step 52 CC Value 2 (0 - 255)
#	19 6C	0000 aaaa	
	19 6D	0000 bbbb	Step 52 CC Value 3 (0 - 255)

#	19 6E	0000 aaaa	Step 52 CC Value 4	(0 - 255)
	19 6F	0000 bbbb		
	19 70	0aaa aaaa	Reserved	
	19 71	0aaa aaaa	Reserved	
	19 72	0aaa aaaa	Reserved	
	19 73	0aaa aaaa	Reserved	
	19 74	0aaa aaaa	Reserved	
	19 75	0aaa aaaa	Reserved	
	19 76	0aaa aaaa	Reserved	
	19 77	0aaa aaaa	Reserved	
	19 78	0000 0aaa	Step 52 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	19 79	0000 0aaa	Step 52 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	19 7A	0000 0aaa	Step 52 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	19 7B	0000 0aaa	Step 52 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	19 7C	0000 0aaa	Step 52 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	19 7D	0000 0aaa	Step 52 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	19 7E	0000 0aaa	Step 52 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	19 7F	0000 0aaa	Step 52 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	1A 00	0000 aaaa	Step 53 Note 1	(127 - 255)
	1A 01	0000 bbbb		OFF, 0 -127
#	1A 02	0000 aaaa	Step 53 Note 2	(127 - 255)
	1A 03	0000 bbbb		OFF, 0 -127
#	1A 04	0000 aaaa	Step 53 Note 3	(127 - 255)
	1A 05	0000 bbbb		OFF, 0 -127
#	1A 06	0000 aaaa	Step 53 Note 4	(127 - 255)
	1A 07	0000 bbbb		OFF, 0 -127
#	1A 08	0000 aaaa	Step 53 Note 5	(127 - 255)
	1A 09	0000 bbbb		OFF, 0 -127
#	1A 0A	0000 aaaa	Step 53 Note 6	(127 - 255)
	1A 0B	0000 bbbb		OFF, 0 -127
#	1A 0C	0000 aaaa	Step 53 Note 7	(127 - 255)
	1A 0D	0000 bbbb		OFF, 0 -127
#	1A 0E	0000 aaaa	Step 53 Note 8	(127 - 255)
	1A 0F	0000 bbbb		OFF, 0 -127
	1A 10	0aaa aaaa	Step 53 Velocity 1	(0 - 127)
	1A 11	0aaa aaaa	Step 53 Velocity 2	(0 - 127)
	1A 12	0aaa aaaa	Step 53 Velocity 3	(0 - 127)
	1A 13	0aaa aaaa	Step 53 Velocity 4	(0 - 127)
	1A 14	0aaa aaaa	Step 53 Velocity 5	(0 - 127)
	1A 15	0aaa aaaa	Step 53 Velocity 6	(0 - 127)
	1A 16	0aaa aaaa	Step 53 Velocity 7	(0 - 127)
	1A 17	0aaa aaaa	Step 53 Velocity 8	(0 - 127)
	1A 18	0aaa aaaa	Step 53 Gate 1	(0 - 101)
	1A 19	0aaa aaaa	Step 53 Gate 2	0 - 100, TIE (0 - 101)
	1A 1A	0aaa aaaa	Step 53 Gate 3	0 - 100, TIE (0 - 101)
	1A 1B	0aaa aaaa	Step 53 Gate 4	0 - 100, TIE (0 - 101)
	1A 1C	0aaa aaaa	Step 53 Gate 5	0 - 100, TIE (0 - 101)
	1A 1D	0aaa aaaa	Step 53 Gate 6	0 - 100, TIE (0 - 101)
	1A 1E	0aaa aaaa	Step 53 Gate 7	0 - 100, TIE (0 - 101)
	1A 1F	0aaa aaaa	Step 53 Gate 8	0 - 100, TIE (0 - 101)
#	1A 20	0000 aaaa	Step 53 CC Number 1	(127 - 255)
	1A 21	0000 bbbb		-1 - 127
#	1A 22	0000 aaaa	Step 53 CC Number 2	(127 - 255)
	1A 23	0000 bbbb		-1 - 127
#	1A 24	0000 aaaa	Step 53 CC Number 3	(127 - 255)
	1A 25	0000 bbbb		-1 - 127
#	1A 26	0000 aaaa	Step 53 CC Number 4	(127 - 255)
	1A 27	0000 bbbb		-1 - 127

#	1A 28	0000 aaaa	Step 53 CC Value 1	(0 - 255)
#	1A 29	0000 bbbb		
#	1A 2A	0000 aaaa	Step 53 CC Value 2	(0 - 255)
#	1A 2B	0000 bbbb		
#	1A 2C	0000 aaaa	Step 53 CC Value 3	(0 - 255)
#	1A 2D	0000 bbbb		
#	1A 2E	0000 aaaa	Step 53 CC Value 4	(0 - 255)
#	1A 2F	0000 bbbb		
	1A 30	0aaa aaaa	Reserved	
	1A 31	0aaa aaaa	Reserved	
	1A 32	0aaa aaaa	Reserved	
	1A 33	0aaa aaaa	Reserved	
	1A 34	0aaa aaaa	Reserved	
	1A 35	0aaa aaaa	Reserved	
	1A 36	0aaa aaaa	Reserved	
	1A 37	0aaa aaaa	Reserved	
	1A 38	0000 0aaa	Step 53 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 39	0000 0aaa	Step 53 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 3A	0000 0aaa	Step 53 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 3B	0000 0aaa	Step 53 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 3C	0000 0aaa	Step 53 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 3D	0000 0aaa	Step 53 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 3E	0000 0aaa	Step 53 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 3F	0000 0aaa	Step 53 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	1A 40	0000 aaaa	Step 54 Note 1	(127 - 255)
#	1A 41	0000 bbbb		OFF, 0 -127
#	1A 42	0000 aaaa	Step 54 Note 2	(127 - 255)
#	1A 43	0000 bbbb		OFF, 0 -127
#	1A 44	0000 aaaa	Step 54 Note 3	(127 - 255)
#	1A 45	0000 bbbb		OFF, 0 -127
#	1A 46	0000 aaaa	Step 54 Note 4	(127 - 255)
#	1A 47	0000 bbbb		OFF, 0 -127
#	1A 48	0000 aaaa	Step 54 Note 5	(127 - 255)
#	1A 49	0000 bbbb		OFF, 0 -127
#	1A 4A	0000 aaaa	Step 54 Note 6	(127 - 255)
#	1A 4B	0000 bbbb		OFF, 0 -127
#	1A 4C	0000 aaaa	Step 54 Note 7	(127 - 255)
#	1A 4D	0000 bbbb		OFF, 0 -127
#	1A 4E	0000 aaaa	Step 54 Note 8	(127 - 255)
#	1A 4F	0000 bbbb		OFF, 0 -127
	1A 50	0aaa aaaa	Step 54 Velocity 1	(0 - 127)
	1A 51	0aaa aaaa	Step 54 Velocity 2	(0 - 127)
	1A 52	0aaa aaaa	Step 54 Velocity 3	(0 - 127)
	1A 53	0aaa aaaa	Step 54 Velocity 4	(0 - 127)
	1A 54	0aaa aaaa	Step 54 Velocity 5	(0 - 127)
	1A 55	0aaa aaaa	Step 54 Velocity 6	(0 - 127)
	1A 56	0aaa aaaa	Step 54 Velocity 7	(0 - 127)
	1A 57	0aaa aaaa	Step 54 Velocity 8	(0 - 127)
	1A 58	0aaa aaaa	Step 54 Gate 1	(0 - 101)
	1A 59	0aaa aaaa	Step 54 Gate 2	0 - 100, TIE (0 - 101)
	1A 5A	0aaa aaaa	Step 54 Gate 3	0 - 100, TIE (0 - 101)
	1A 5B	0aaa aaaa	Step 54 Gate 4	0 - 100, TIE (0 - 101)
	1A 5C	0aaa aaaa	Step 54 Gate 5	0 - 100, TIE (0 - 101)
	1A 5D	0aaa aaaa	Step 54 Gate 6	0 - 100, TIE (0 - 101)
	1A 5E	0aaa aaaa	Step 54 Gate 7	0 - 100, TIE (0 - 101)
	1A 5F	0aaa aaaa	Step 54 Gate 8	0 - 100, TIE (0 - 101)
#	1A 60	0000 aaaa	Step 54 CC Number 1	(127 - 255)
#	1A 61	0000 bbbb		-1 - 127
#	1A 62	0000 aaaa	Step 54 CC Number 2	(127 - 255)
#	1A 63	0000 bbbb		-1 - 127

#	1A 64	0000 aaaa	Step 54 CC Number 3	(127 - 255) -1 - 127
	1A 65	0000 bbbb		
#	1A 66	0000 aaaa	Step 54 CC Number 4	(127 - 255) -1 - 127
	1A 67	0000 bbbb		
#	1A 68	0000 aaaa	Step 54 CC Value 1	(0 - 255)
	1A 69	0000 bbbb		
#	1A 6A	0000 aaaa	Step 54 CC Value 2	(0 - 255)
	1A 6B	0000 bbbb		
#	1A 6C	0000 aaaa	Step 54 CC Value 3	(0 - 255)
	1A 6D	0000 bbbb		
#	1A 6E	0000 aaaa	Step 54 CC Value 4	(0 - 255)
	1A 6F	0000 bbbb		
	1A 70	0aaa aaaa	Reserved	
	1A 71	0aaa aaaa	Reserved	
	1A 72	0aaa aaaa	Reserved	
	1A 73	0aaa aaaa	Reserved	
	1A 74	0aaa aaaa	Reserved	
	1A 75	0aaa aaaa	Reserved	
	1A 76	0aaa aaaa	Reserved	
	1A 77	0aaa aaaa	Reserved	
	1A 78	0000 0aaa	Step 54 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 79	0000 0aaa	Step 54 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 7A	0000 0aaa	Step 54 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 7B	0000 0aaa	Step 54 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 7C	0000 0aaa	Step 54 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 7D	0000 0aaa	Step 54 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 7E	0000 0aaa	Step 54 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1A 7F	0000 0aaa	Step 54 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	1B 00	0000 aaaa	Step 55 Note 1	(127 - 255) OFF, 0 -127
	1B 01	0000 bbbb		
#	1B 02	0000 aaaa	Step 55 Note 2	(127 - 255) OFF, 0 -127
	1B 03	0000 bbbb		
#	1B 04	0000 aaaa	Step 55 Note 3	(127 - 255) OFF, 0 -127
	1B 05	0000 bbbb		
#	1B 06	0000 aaaa	Step 55 Note 4	(127 - 255) OFF, 0 -127
	1B 07	0000 bbbb		
#	1B 08	0000 aaaa	Step 55 Note 5	(127 - 255) OFF, 0 -127
	1B 09	0000 bbbb		
#	1B 0A	0000 aaaa	Step 55 Note 6	(127 - 255) OFF, 0 -127
	1B 0B	0000 bbbb		
#	1B 0C	0000 aaaa	Step 55 Note 7	(127 - 255) OFF, 0 -127
	1B 0D	0000 bbbb		
#	1B 0E	0000 aaaa	Step 55 Note 8	(127 - 255) OFF, 0 -127
	1B 0F	0000 bbbb		
	1B 10	0aaa aaaa	Step 55 Velocity 1	(0 - 127)
	1B 11	0aaa aaaa	Step 55 Velocity 2	(0 - 127)
	1B 12	0aaa aaaa	Step 55 Velocity 3	(0 - 127)
	1B 13	0aaa aaaa	Step 55 Velocity 4	(0 - 127)
	1B 14	0aaa aaaa	Step 55 Velocity 5	(0 - 127)
	1B 15	0aaa aaaa	Step 55 Velocity 6	(0 - 127)
	1B 16	0aaa aaaa	Step 55 Velocity 7	(0 - 127)
	1B 17	0aaa aaaa	Step 55 Velocity 8	(0 - 127)
	1B 18	0aaa aaaa	Step 55 Gate 1	(0 - 101)
	1B 19	0aaa aaaa	Step 55 Gate 2	0 - 100, TIE (0 - 101)
	1B 1A	0aaa aaaa	Step 55 Gate 3	0 - 100, TIE (0 - 101)
	1B 1B	0aaa aaaa	Step 55 Gate 4	0 - 100, TIE (0 - 101)
	1B 1C	0aaa aaaa	Step 55 Gate 5	0 - 100, TIE (0 - 101)
	1B 1D	0aaa aaaa	Step 55 Gate 6	0 - 100, TIE (0 - 101)
	1B 1E	0aaa aaaa	Step 55 Gate 7	0 - 100, TIE (0 - 101)
	1B 1F	0aaa aaaa	Step 55 Gate 8	0 - 100, TIE (0 - 101)

#	1B 20	0000 aaaa	Step 55 CC Number 1	(127 - 255)
	1B 21	0000 bbbb		-1 - 127
#	1B 22	0000 aaaa	Step 55 CC Number 2	(127 - 255)
	1B 23	0000 bbbb		-1 - 127
#	1B 24	0000 aaaa	Step 55 CC Number 3	(127 - 255)
	1B 25	0000 bbbb		-1 - 127
#	1B 26	0000 aaaa	Step 55 CC Number 4	(127 - 255)
	1B 27	0000 bbbb		-1 - 127
#	1B 28	0000 aaaa	Step 55 CC Value 1	(0 - 255)
	1B 29	0000 bbbb		
#	1B 2A	0000 aaaa	Step 55 CC Value 2	(0 - 255)
	1B 2B	0000 bbbb		
#	1B 2C	0000 aaaa	Step 55 CC Value 3	(0 - 255)
	1B 2D	0000 bbbb		
#	1B 2E	0000 aaaa	Step 55 CC Value 4	(0 - 255)
	1B 2F	0000 bbbb		
	1B 30	0aaa aaaa	Reserved	
	1B 31	0aaa aaaa	Reserved	
	1B 32	0aaa aaaa	Reserved	
	1B 33	0aaa aaaa	Reserved	
	1B 34	0aaa aaaa	Reserved	
	1B 35	0aaa aaaa	Reserved	
	1B 36	0aaa aaaa	Reserved	
	1B 37	0aaa aaaa	Reserved	
	1B 38	0000 0aaa	Step 55 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1B 39	0000 0aaa	Step 55 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1B 3A	0000 0aaa	Step 55 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1B 3B	0000 0aaa	Step 55 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1B 3C	0000 0aaa	Step 55 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1B 3D	0000 0aaa	Step 55 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1B 3E	0000 0aaa	Step 55 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1B 3F	0000 0aaa	Step 55 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	1B 40	0000 aaaa	Step 56 Note 1	(127 - 255)
	1B 41	0000 bbbb		OFF, 0 -127
#	1B 42	0000 aaaa	Step 56 Note 2	(127 - 255)
	1B 43	0000 bbbb		OFF, 0 -127
#	1B 44	0000 aaaa	Step 56 Note 3	(127 - 255)
	1B 45	0000 bbbb		OFF, 0 -127
#	1B 46	0000 aaaa	Step 56 Note 4	(127 - 255)
	1B 47	0000 bbbb		OFF, 0 -127
#	1B 48	0000 aaaa	Step 56 Note 5	(127 - 255)
	1B 49	0000 bbbb		OFF, 0 -127
#	1B 4A	0000 aaaa	Step 56 Note 6	(127 - 255)
	1B 4B	0000 bbbb		OFF, 0 -127
#	1B 4C	0000 aaaa	Step 56 Note 7	(127 - 255)
	1B 4D	0000 bbbb		OFF, 0 -127
#	1B 4E	0000 aaaa	Step 56 Note 8	(127 - 255)
	1B 4F	0000 bbbb		OFF, 0 -127
	1B 50	0aaa aaaa	Step 56 Velocity 1	(0 - 127)
	1B 51	0aaa aaaa	Step 56 Velocity 2	(0 - 127)
	1B 52	0aaa aaaa	Step 56 Velocity 3	(0 - 127)
	1B 53	0aaa aaaa	Step 56 Velocity 4	(0 - 127)
	1B 54	0aaa aaaa	Step 56 Velocity 5	(0 - 127)
	1B 55	0aaa aaaa	Step 56 Velocity 6	(0 - 127)
	1B 56	0aaa aaaa	Step 56 Velocity 7	(0 - 127)
	1B 57	0aaa aaaa	Step 56 Velocity 8	(0 - 127)
	1B 58	0aaa aaaa	Step 56 Gate 1	(0 - 101)
	1B 59	0aaa aaaa	Step 56 Gate 2	0 - 100, TIE (0 - 101)
	1B 5A	0aaa aaaa	Step 56 Gate 3	0 - 100, TIE (0 - 101)
	1B 5B	0aaa aaaa	Step 56 Gate 4	0 - 100, TIE (0 - 101)
	1B 5C	0aaa aaaa	Step 56 Gate 5	0 - 100, TIE (0 - 101)

	1B 5D	0aaa aaaa	Step 56 Gate 6	(0 - 101)
	1B 5E	0aaa aaaa	Step 56 Gate 7	0 - 100, TIE (0 - 101)
	1B 5F	0aaa aaaa	Step 56 Gate 8	0 - 100, TIE (0 - 101)
#	1B 60	0000 aaaa	Step 56 CC Number 1	(127 - 255)
	1B 61	0000 bbbb		
#	1B 62	0000 aaaa	Step 56 CC Number 2	(127 - 255)
	1B 63	0000 bbbb		
#	1B 64	0000 aaaa	Step 56 CC Number 3	(127 - 255)
	1B 65	0000 bbbb		
#	1B 66	0000 aaaa	Step 56 CC Number 4	(127 - 255)
	1B 67	0000 bbbb		
#	1B 68	0000 aaaa	Step 56 CC Value 1	(0 - 255)
	1B 69	0000 bbbb		
#	1B 6A	0000 aaaa	Step 56 CC Value 2	(0 - 255)
	1B 6B	0000 bbbb		
#	1B 6C	0000 aaaa	Step 56 CC Value 3	(0 - 255)
	1B 6D	0000 bbbb		
#	1B 6E	0000 aaaa	Step 56 CC Value 4	(0 - 255)
	1B 6F	0000 bbbb		
	1B 70	0aaa aaaa	Reserved	
	1B 71	0aaa aaaa	Reserved	
	1B 72	0aaa aaaa	Reserved	
	1B 73	0aaa aaaa	Reserved	
	1B 74	0aaa aaaa	Reserved	
	1B 75	0aaa aaaa	Reserved	
	1B 76	0aaa aaaa	Reserved	
	1B 77	0aaa aaaa	Reserved	
	1B 78	0000 0aaa	Step 56 Sub Step 1	(0 - 4)
	1B 79	0000 0aaa	Step 56 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1B 7A	0000 0aaa	Step 56 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1B 7B	0000 0aaa	Step 56 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1B 7C	0000 0aaa	Step 56 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1B 7D	0000 0aaa	Step 56 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1B 7E	0000 0aaa	Step 56 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1B 7F	0000 0aaa	Step 56 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	1C 00	0000 aaaa	Step 57 Note 1	(127 - 255)
	1C 01	0000 bbbb		
#	1C 02	0000 aaaa	Step 57 Note 2	(127 - 255)
	1C 03	0000 bbbb		
#	1C 04	0000 aaaa	Step 57 Note 3	(127 - 255)
	1C 05	0000 bbbb		
#	1C 06	0000 aaaa	Step 57 Note 4	(127 - 255)
	1C 07	0000 bbbb		
#	1C 08	0000 aaaa	Step 57 Note 5	(127 - 255)
	1C 09	0000 bbbb		
#	1C 0A	0000 aaaa	Step 57 Note 6	(127 - 255)
	1C 0B	0000 bbbb		
#	1C 0C	0000 aaaa	Step 57 Note 7	(127 - 255)
	1C 0D	0000 bbbb		
#	1C 0E	0000 aaaa	Step 57 Note 8	(127 - 255)
	1C 0F	0000 bbbb		
	1C 10	0aaa aaaa	Step 57 Velocity 1	(0 - 127)
	1C 11	0aaa aaaa	Step 57 Velocity 2	(0 - 127)
	1C 12	0aaa aaaa	Step 57 Velocity 3	(0 - 127)
	1C 13	0aaa aaaa	Step 57 Velocity 4	(0 - 127)
	1C 14	0aaa aaaa	Step 57 Velocity 5	(0 - 127)
	1C 15	0aaa aaaa	Step 57 Velocity 6	(0 - 127)
	1C 16	0aaa aaaa	Step 57 Velocity 7	(0 - 127)
	1C 17	0aaa aaaa	Step 57 Velocity 8	(0 - 127)
	1C 18	0aaa aaaa	Step 57 Gate 1	(0 - 101)
	1C 19	0aaa aaaa	Step 57 Gate 2	0 - 100, TIE (0 - 101)

	1C 1A	0aaa aaaa	Step 57 Gate 3	(0 - 101)
	1C 1B	0aaa aaaa	Step 57 Gate 4	0 - 100, TIE (0 - 101)
	1C 1C	0aaa aaaa	Step 57 Gate 5	0 - 100, TIE (0 - 101)
	1C 1D	0aaa aaaa	Step 57 Gate 6	0 - 100, TIE (0 - 101)
	1C 1E	0aaa aaaa	Step 57 Gate 7	0 - 100, TIE (0 - 101)
	1C 1F	0aaa aaaa	Step 57 Gate 8	0 - 100, TIE (0 - 101)
#	1C 20	0000 aaaa	Step 57 CC Number 1	(127 - 255)
	1C 21	0000 bbbb		
#	1C 22	0000 aaaa	Step 57 CC Number 2	(127 - 255)
	1C 23	0000 bbbb		
#	1C 24	0000 aaaa	Step 57 CC Number 3	(127 - 255)
	1C 25	0000 bbbb		
#	1C 26	0000 aaaa	Step 57 CC Number 4	(127 - 255)
	1C 27	0000 bbbb		
#	1C 28	0000 aaaa	Step 57 CC Value 1	(0 - 255)
	1C 29	0000 bbbb		
#	1C 2A	0000 aaaa	Step 57 CC Value 2	(0 - 255)
	1C 2B	0000 bbbb		
#	1C 2C	0000 aaaa	Step 57 CC Value 3	(0 - 255)
	1C 2D	0000 bbbb		
#	1C 2E	0000 aaaa	Step 57 CC Value 4	(0 - 255)
	1C 2F	0000 bbbb		
	1C 30	0aaa aaaa	Reserved	
	1C 31	0aaa aaaa	Reserved	
	1C 32	0aaa aaaa	Reserved	
	1C 33	0aaa aaaa	Reserved	
	1C 34	0aaa aaaa	Reserved	
	1C 35	0aaa aaaa	Reserved	
	1C 36	0aaa aaaa	Reserved	
	1C 37	0aaa aaaa	Reserved	
	1C 38	0000 0aaa	Step 57 Sub Step 1	(0 - 4)
	1C 39	0000 0aaa	Step 57 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 3A	0000 0aaa	Step 57 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 3B	0000 0aaa	Step 57 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 3C	0000 0aaa	Step 57 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 3D	0000 0aaa	Step 57 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 3E	0000 0aaa	Step 57 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 3F	0000 0aaa	Step 57 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	1C 40	0000 aaaa	Step 58 Note 1	(127 - 255)
	1C 41	0000 bbbb		
#	1C 42	0000 aaaa	Step 58 Note 2	(127 - 255)
	1C 43	0000 bbbb		
#	1C 44	0000 aaaa	Step 58 Note 3	(127 - 255)
	1C 45	0000 bbbb		
#	1C 46	0000 aaaa	Step 58 Note 4	(127 - 255)
	1C 47	0000 bbbb		
#	1C 48	0000 aaaa	Step 58 Note 5	(127 - 255)
	1C 49	0000 bbbb		
#	1C 4A	0000 aaaa	Step 58 Note 6	(127 - 255)
	1C 4B	0000 bbbb		
#	1C 4C	0000 aaaa	Step 58 Note 7	(127 - 255)
	1C 4D	0000 bbbb		
#	1C 4E	0000 aaaa	Step 58 Note 8	(127 - 255)
	1C 4F	0000 bbbb		
	1C 50	0aaa aaaa	Step 58 Velocity 1	(0 - 127)
	1C 51	0aaa aaaa	Step 58 Velocity 2	(0 - 127)
	1C 52	0aaa aaaa	Step 58 Velocity 3	(0 - 127)
	1C 53	0aaa aaaa	Step 58 Velocity 4	(0 - 127)
	1C 54	0aaa aaaa	Step 58 Velocity 5	(0 - 127)
	1C 55	0aaa aaaa	Step 58 Velocity 6	(0 - 127)

	1C 56	0aaa aaaa	Step 58 Velocity 7	(0 - 127)
	1C 57	0aaa aaaa	Step 58 Velocity 8	(0 - 127)
	1C 58	0aaa aaaa	Step 58 Gate 1	(0 - 101)
	1C 59	0aaa aaaa	Step 58 Gate 2	0 - 100, TIE (0 - 101)
	1C 5A	0aaa aaaa	Step 58 Gate 3	0 - 100, TIE (0 - 101)
	1C 5B	0aaa aaaa	Step 58 Gate 4	0 - 100, TIE (0 - 101)
	1C 5C	0aaa aaaa	Step 58 Gate 5	0 - 100, TIE (0 - 101)
	1C 5D	0aaa aaaa	Step 58 Gate 6	0 - 100, TIE (0 - 101)
	1C 5E	0aaa aaaa	Step 58 Gate 7	0 - 100, TIE (0 - 101)
	1C 5F	0aaa aaaa	Step 58 Gate 8	0 - 100, TIE (0 - 101)
#	1C 60	0000 aaaa		
	1C 61	0000 bbbb	Step 58 CC Number 1	(127 - 255) -1 - 127
#	1C 62	0000 aaaa		
	1C 63	0000 bbbb	Step 58 CC Number 2	(127 - 255) -1 - 127
#	1C 64	0000 aaaa		
	1C 65	0000 bbbb	Step 58 CC Number 3	(127 - 255) -1 - 127
#	1C 66	0000 aaaa		
	1C 67	0000 bbbb	Step 58 CC Number 4	(127 - 255) -1 - 127
#	1C 68	0000 aaaa		
	1C 69	0000 bbbb	Step 58 CC Value 1	(0 - 255)
#	1C 6A	0000 aaaa		
	1C 6B	0000 bbbb	Step 58 CC Value 2	(0 - 255)
#	1C 6C	0000 aaaa		
	1C 6D	0000 bbbb	Step 58 CC Value 3	(0 - 255)
#	1C 6E	0000 aaaa		
	1C 6F	0000 bbbb	Step 58 CC Value 4	(0 - 255)
	1C 70	0aaa aaaa	Reserved	
	1C 71	0aaa aaaa	Reserved	
	1C 72	0aaa aaaa	Reserved	
	1C 73	0aaa aaaa	Reserved	
	1C 74	0aaa aaaa	Reserved	
	1C 75	0aaa aaaa	Reserved	
	1C 76	0aaa aaaa	Reserved	
	1C 77	0aaa aaaa	Reserved	
	1C 78	0000 0aaa	Step 58 Sub Step 1	(0 - 4)
	1C 79	0000 0aaa	Step 58 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 7A	0000 0aaa	Step 58 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 7B	0000 0aaa	Step 58 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 7C	0000 0aaa	Step 58 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 7D	0000 0aaa	Step 58 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 7E	0000 0aaa	Step 58 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1C 7F	0000 0aaa	Step 58 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	1D 00	0000 aaaa		
	1D 01	0000 bbbb	Step 59 Note 1	(127 - 255) OFF, 0 -127
#	1D 02	0000 aaaa		
	1D 03	0000 bbbb	Step 59 Note 2	(127 - 255) OFF, 0 -127
#	1D 04	0000 aaaa		
	1D 05	0000 bbbb	Step 59 Note 3	(127 - 255) OFF, 0 -127
#	1D 06	0000 aaaa		
	1D 07	0000 bbbb	Step 59 Note 4	(127 - 255) OFF, 0 -127
#	1D 08	0000 aaaa		
	1D 09	0000 bbbb	Step 59 Note 5	(127 - 255) OFF, 0 -127
#	1D 0A	0000 aaaa		
	1D 0B	0000 bbbb	Step 59 Note 6	(127 - 255) OFF, 0 -127
#	1D 0C	0000 aaaa		
	1D 0D	0000 bbbb	Step 59 Note 7	(127 - 255) OFF, 0 -127
#	1D 0E	0000 aaaa		
	1D 0F	0000 bbbb	Step 59 Note 8	(127 - 255) OFF, 0 -127

	1D 10	0aaa aaaa	Step 59 Velocity 1	(0 - 127)
	1D 11	0aaa aaaa	Step 59 Velocity 2	(0 - 127)
	1D 12	0aaa aaaa	Step 59 Velocity 3	(0 - 127)
	1D 13	0aaa aaaa	Step 59 Velocity 4	(0 - 127)
	1D 14	0aaa aaaa	Step 59 Velocity 5	(0 - 127)
	1D 15	0aaa aaaa	Step 59 Velocity 6	(0 - 127)
	1D 16	0aaa aaaa	Step 59 Velocity 7	(0 - 127)
	1D 17	0aaa aaaa	Step 59 Velocity 8	(0 - 127)
	1D 18	0aaa aaaa	Step 59 Gate 1	(0 - 101)
				0 - 100, TIE
	1D 19	0aaa aaaa	Step 59 Gate 2	(0 - 101)
				0 - 100, TIE
	1D 1A	0aaa aaaa	Step 59 Gate 3	(0 - 101)
				0 - 100, TIE
	1D 1B	0aaa aaaa	Step 59 Gate 4	(0 - 101)
				0 - 100, TIE
	1D 1C	0aaa aaaa	Step 59 Gate 5	(0 - 101)
				0 - 100, TIE
	1D 1D	0aaa aaaa	Step 59 Gate 6	(0 - 101)
				0 - 100, TIE
	1D 1E	0aaa aaaa	Step 59 Gate 7	(0 - 101)
				0 - 100, TIE
	1D 1F	0aaa aaaa	Step 59 Gate 8	(0 - 101)
				0 - 100, TIE
#	1D 20	0000 aaaa		
	1D 21	0000 bbbb	Step 59 CC Number 1	(127 - 255)
				-1 - 127
#	1D 22	0000 aaaa		
	1D 23	0000 bbbb	Step 59 CC Number 2	(127 - 255)
				-1 - 127
#	1D 24	0000 aaaa		
	1D 25	0000 bbbb	Step 59 CC Number 3	(127 - 255)
				-1 - 127
#	1D 26	0000 aaaa		
	1D 27	0000 bbbb	Step 59 CC Number 4	(127 - 255)
				-1 - 127
#	1D 28	0000 aaaa		
	1D 29	0000 bbbb	Step 59 CC Value 1	(0 - 255)
#	1D 2A	0000 aaaa		
	1D 2B	0000 bbbb	Step 59 CC Value 2	(0 - 255)
#	1D 2C	0000 aaaa		
	1D 2D	0000 bbbb	Step 59 CC Value 3	(0 - 255)
#	1D 2E	0000 aaaa		
	1D 2F	0000 bbbb	Step 59 CC Value 4	(0 - 255)
	1D 30	0aaa aaaa	Reserved	
	1D 31	0aaa aaaa	Reserved	
	1D 32	0aaa aaaa	Reserved	
	1D 33	0aaa aaaa	Reserved	
	1D 34	0aaa aaaa	Reserved	
	1D 35	0aaa aaaa	Reserved	
	1D 36	0aaa aaaa	Reserved	
	1D 37	0aaa aaaa	Reserved	
	1D 38	0000 0aaa	Step 59 Sub Step 1	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	1D 39	0000 0aaa	Step 59 Sub Step 2	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	1D 3A	0000 0aaa	Step 59 Sub Step 3	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	1D 3B	0000 0aaa	Step 59 Sub Step 4	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	1D 3C	0000 0aaa	Step 59 Sub Step 5	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	1D 3D	0000 0aaa	Step 59 Sub Step 6	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	1D 3E	0000 0aaa	Step 59 Sub Step 7	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
	1D 3F	0000 0aaa	Step 59 Sub Step 8	(0 - 4)
				OFF, FLAM, 1/4, 1/3, 1/2
#	1D 40	0000 aaaa		
	1D 41	0000 bbbb	Step 60 Note 1	(127 - 255)
				OFF, 0 -127
#	1D 42	0000 aaaa		
	1D 43	0000 bbbb	Step 60 Note 2	(127 - 255)
				OFF, 0 -127
#	1D 44	0000 aaaa		
	1D 45	0000 bbbb	Step 60 Note 3	(127 - 255)
				OFF, 0 -127
#	1D 46	0000 aaaa		
	1D 47	0000 bbbb	Step 60 Note 4	(127 - 255)
				OFF, 0 -127
#	1D 48	0000 aaaa		
	1D 49	0000 bbbb	Step 60 Note 5	(127 - 255)
				OFF, 0 -127
#	1D 4A	0000 aaaa		
	1D 4B	0000 bbbb	Step 60 Note 6	(127 - 255)
				OFF, 0 -127

#	1D 4C	0000 aaaa		
	1D 4D	0000 bbbb	Step 60 Note 7	(127 - 255) OFF, 0 -127
#	1D 4E	0000 aaaa		
	1D 4F	0000 bbbb	Step 60 Note 8	(127 - 255) OFF, 0 -127
	1D 50	0aaa aaaa	Step 60 Velocity 1	(0 - 127)
	1D 51	0aaa aaaa	Step 60 Velocity 2	(0 - 127)
	1D 52	0aaa aaaa	Step 60 Velocity 3	(0 - 127)
	1D 53	0aaa aaaa	Step 60 Velocity 4	(0 - 127)
	1D 54	0aaa aaaa	Step 60 Velocity 5	(0 - 127)
	1D 55	0aaa aaaa	Step 60 Velocity 6	(0 - 127)
	1D 56	0aaa aaaa	Step 60 Velocity 7	(0 - 127)
	1D 57	0aaa aaaa	Step 60 Velocity 8	(0 - 127)
	1D 58	0aaa aaaa	Step 60 Gate 1	(0 - 101)
	1D 59	0aaa aaaa	Step 60 Gate 2	0 - 100, TIE (0 - 101)
	1D 5A	0aaa aaaa	Step 60 Gate 3	0 - 100, TIE (0 - 101)
	1D 5B	0aaa aaaa	Step 60 Gate 4	0 - 100, TIE (0 - 101)
	1D 5C	0aaa aaaa	Step 60 Gate 5	0 - 100, TIE (0 - 101)
	1D 5D	0aaa aaaa	Step 60 Gate 6	0 - 100, TIE (0 - 101)
	1D 5E	0aaa aaaa	Step 60 Gate 7	0 - 100, TIE (0 - 101)
	1D 5F	0aaa aaaa	Step 60 Gate 8	0 - 100, TIE (0 - 101)
#	1D 60	0000 aaaa		
	1D 61	0000 bbbb	Step 60 CC Number 1	(127 - 255) -1 - 127
#	1D 62	0000 aaaa		
	1D 63	0000 bbbb	Step 60 CC Number 2	(127 - 255) -1 - 127
#	1D 64	0000 aaaa		
	1D 65	0000 bbbb	Step 60 CC Number 3	(127 - 255) -1 - 127
#	1D 66	0000 aaaa		
	1D 67	0000 bbbb	Step 60 CC Number 4	(127 - 255) -1 - 127
#	1D 68	0000 aaaa		
	1D 69	0000 bbbb	Step 60 CC Value 1	(0 - 255)
#	1D 6A	0000 aaaa		
	1D 6B	0000 bbbb	Step 60 CC Value 2	(0 - 255)
#	1D 6C	0000 aaaa		
	1D 6D	0000 bbbb	Step 60 CC Value 3	(0 - 255)
#	1D 6E	0000 aaaa		
	1D 6F	0000 bbbb	Step 60 CC Value 4	(0 - 255)
	1D 70	0aaa aaaa	Reserved	
	1D 71	0aaa aaaa	Reserved	
	1D 72	0aaa aaaa	Reserved	
	1D 73	0aaa aaaa	Reserved	
	1D 74	0aaa aaaa	Reserved	
	1D 75	0aaa aaaa	Reserved	
	1D 76	0aaa aaaa	Reserved	
	1D 77	0aaa aaaa	Reserved	
	1D 78	0000 0aaa	Step 60 Sub Step 1	(0 - 4)
	1D 79	0000 0aaa	Step 60 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1D 7A	0000 0aaa	Step 60 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1D 7B	0000 0aaa	Step 60 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1D 7C	0000 0aaa	Step 60 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1D 7D	0000 0aaa	Step 60 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1D 7E	0000 0aaa	Step 60 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1D 7F	0000 0aaa	Step 60 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	1E 00	0000 aaaa		
	1E 01	0000 bbbb	Step 61 Note 1	(127 - 255) OFF, 0 -127
#	1E 02	0000 aaaa		
	1E 03	0000 bbbb	Step 61 Note 2	(127 - 255) OFF, 0 -127
#	1E 04	0000 aaaa		
	1E 05	0000 bbbb	Step 61 Note 3	(127 - 255) OFF, 0 -127
#	1E 06	0000 aaaa		
	1E 07	0000 bbbb	Step 61 Note 4	(127 - 255) OFF, 0 -127

#	1E 08	0000 aaaa		
	1E 09	0000 bbbb	Step 61 Note 5	(127 - 255) OFF, 0 -127
#	1E 0A	0000 aaaa		
	1E 0B	0000 bbbb	Step 61 Note 6	(127 - 255) OFF, 0 -127
#	1E 0C	0000 aaaa		
	1E 0D	0000 bbbb	Step 61 Note 7	(127 - 255) OFF, 0 -127
#	1E 0E	0000 aaaa		
	1E 0F	0000 bbbb	Step 61 Note 8	(127 - 255) OFF, 0 -127
	1E 10	0aaa aaaa	Step 61 Velocity 1	(0 - 127)
	1E 11	0aaa aaaa	Step 61 Velocity 2	(0 - 127)
	1E 12	0aaa aaaa	Step 61 Velocity 3	(0 - 127)
	1E 13	0aaa aaaa	Step 61 Velocity 4	(0 - 127)
	1E 14	0aaa aaaa	Step 61 Velocity 5	(0 - 127)
	1E 15	0aaa aaaa	Step 61 Velocity 6	(0 - 127)
	1E 16	0aaa aaaa	Step 61 Velocity 7	(0 - 127)
	1E 17	0aaa aaaa	Step 61 Velocity 8	(0 - 127)
	1E 18	0aaa aaaa	Step 61 Gate 1	(0 - 101)
	1E 19	0aaa aaaa	Step 61 Gate 2	0 - 100, TIE (0 - 101)
	1E 1A	0aaa aaaa	Step 61 Gate 3	0 - 100, TIE (0 - 101)
	1E 1B	0aaa aaaa	Step 61 Gate 4	0 - 100, TIE (0 - 101)
	1E 1C	0aaa aaaa	Step 61 Gate 5	0 - 100, TIE (0 - 101)
	1E 1D	0aaa aaaa	Step 61 Gate 6	0 - 100, TIE (0 - 101)
	1E 1E	0aaa aaaa	Step 61 Gate 7	0 - 100, TIE (0 - 101)
	1E 1F	0aaa aaaa	Step 61 Gate 8	0 - 100, TIE (0 - 101)
#	1E 20	0000 aaaa		
	1E 21	0000 bbbb	Step 61 CC Number 1	(127 - 255) -1 - 127
#	1E 22	0000 aaaa		
	1E 23	0000 bbbb	Step 61 CC Number 2	(127 - 255) -1 - 127
#	1E 24	0000 aaaa		
	1E 25	0000 bbbb	Step 61 CC Number 3	(127 - 255) -1 - 127
#	1E 26	0000 aaaa		
	1E 27	0000 bbbb	Step 61 CC Number 4	(127 - 255) -1 - 127
#	1E 28	0000 aaaa		
	1E 29	0000 bbbb	Step 61 CC Value 1	(0 - 255)
#	1E 2A	0000 aaaa		
	1E 2B	0000 bbbb	Step 61 CC Value 2	(0 - 255)
#	1E 2C	0000 aaaa		
	1E 2D	0000 bbbb	Step 61 CC Value 3	(0 - 255)
#	1E 2E	0000 aaaa		
	1E 2F	0000 bbbb	Step 61 CC Value 4	(0 - 255)
	1E 30	0aaa aaaa	Reserved	
	1E 31	0aaa aaaa	Reserved	
	1E 32	0aaa aaaa	Reserved	
	1E 33	0aaa aaaa	Reserved	
	1E 34	0aaa aaaa	Reserved	
	1E 35	0aaa aaaa	Reserved	
	1E 36	0aaa aaaa	Reserved	
	1E 37	0aaa aaaa	Reserved	
	1E 38	0000 0aaa	Step 61 Sub Step 1	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1E 39	0000 0aaa	Step 61 Sub Step 2	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1E 3A	0000 0aaa	Step 61 Sub Step 3	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1E 3B	0000 0aaa	Step 61 Sub Step 4	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1E 3C	0000 0aaa	Step 61 Sub Step 5	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1E 3D	0000 0aaa	Step 61 Sub Step 6	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1E 3E	0000 0aaa	Step 61 Sub Step 7	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
	1E 3F	0000 0aaa	Step 61 Sub Step 8	(0 - 4) OFF, FLAM, 1/4, 1/3, 1/2
#	1E 40	0000 aaaa		
	1E 41	0000 bbbb	Step 62 Note 1	(127 - 255) OFF, 0 -127
#	1E 42	0000 aaaa		
	1E 43	0000 bbbb	Step 62 Note 2	(127 - 255) OFF, 0 -127

#	1E 44	0000 aaaa		
	1E 45	0000 bbbb	Step 62 Note 3	(127 - 255) OFF, 0 -127
#	1E 46	0000 aaaa		
	1E 47	0000 bbbb	Step 62 Note 4	(127 - 255) OFF, 0 -127
#	1E 48	0000 aaaa		
	1E 49	0000 bbbb	Step 62 Note 5	(127 - 255) OFF, 0 -127
#	1E 4A	0000 aaaa		
	1E 4B	0000 bbbb	Step 62 Note 6	(127 - 255) OFF, 0 -127
#	1E 4C	0000 aaaa		
	1E 4D	0000 bbbb	Step 62 Note 7	(127 - 255) OFF, 0 -127
#	1E 4E	0000 aaaa		
	1E 4F	0000 bbbb	Step 62 Note 8	(127 - 255) OFF, 0 -127
	1E 50	0aaa aaaa	Step 62 Velocity 1	(0 - 127)
	1E 51	0aaa aaaa	Step 62 Velocity 2	(0 - 127)
	1E 52	0aaa aaaa	Step 62 Velocity 3	(0 - 127)
	1E 53	0aaa aaaa	Step 62 Velocity 4	(0 - 127)
	1E 54	0aaa aaaa	Step 62 Velocity 5	(0 - 127)
	1E 55	0aaa aaaa	Step 62 Velocity 6	(0 - 127)
	1E 56	0aaa aaaa	Step 62 Velocity 7	(0 - 127)
	1E 57	0aaa aaaa	Step 62 Velocity 8	(0 - 127)
	1E 58	0aaa aaaa	Step 62 Gate 1	(0 - 101)
	1E 59	0aaa aaaa	Step 62 Gate 2	0 - 100, TIE (0 - 101)
	1E 5A	0aaa aaaa	Step 62 Gate 3	0 - 100, TIE (0 - 101)
	1E 5B	0aaa aaaa	Step 62 Gate 4	0 - 100, TIE (0 - 101)
	1E 5C	0aaa aaaa	Step 62 Gate 5	0 - 100, TIE (0 - 101)
	1E 5D	0aaa aaaa	Step 62 Gate 6	0 - 100, TIE (0 - 101)
	1E 5E	0aaa aaaa	Step 62 Gate 7	0 - 100, TIE (0 - 101)
	1E 5F	0aaa aaaa	Step 62 Gate 8	0 - 100, TIE (0 - 101)
#	1E 60	0000 aaaa		
	1E 61	0000 bbbb	Step 62 CC Number 1	(127 - 255) -1 - 127
#	1E 62	0000 aaaa		
	1E 63	0000 bbbb	Step 62 CC Number 2	(127 - 255) -1 - 127
#	1E 64	0000 aaaa		
	1E 65	0000 bbbb	Step 62 CC Number 3	(127 - 255) -1 - 127
#	1E 66	0000 aaaa		
	1E 67	0000 bbbb	Step 62 CC Number 4	(127 - 255) -1 - 127
#	1E 68	0000 aaaa		
	1E 69	0000 bbbb	Step 62 CC Value 1	(0 - 255)
#	1E 6A	0000 aaaa		
	1E 6B	0000 bbbb	Step 62 CC Value 2	(0 - 255)
#	1E 6C	0000 aaaa		
	1E 6D	0000 bbbb	Step 62 CC Value 3	(0 - 255)
#	1E 6E	0000 aaaa		
	1E 6F	0000 bbbb	Step 62 CC Value 4	(0 - 255)
	1E 70	0aaa aaaa	Reserved	
	1E 71	0aaa aaaa	Reserved	
	1E 72	0aaa aaaa	Reserved	
	1E 73	0aaa aaaa	Reserved	
	1E 74	0aaa aaaa	Reserved	
	1E 75	0aaa aaaa	Reserved	
	1E 76	0aaa aaaa	Reserved	
	1E 77	0aaa aaaa	Reserved	
	1E 78	0000 0aaa	Step 62 Sub Step 1	(0 - 4)
	1E 79	0000 0aaa	Step 62 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1E 7A	0000 0aaa	Step 62 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1E 7B	0000 0aaa	Step 62 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1E 7C	0000 0aaa	Step 62 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1E 7D	0000 0aaa	Step 62 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1E 7E	0000 0aaa	Step 62 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1E 7F	0000 0aaa	Step 62 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)

#	1F 00	0000 aaaa			
	1F 01	0000 bbbb	Step 63 Note 1	(127 - 255)	
				OFF, 0	-127
#	1F 02	0000 aaaa			
	1F 03	0000 bbbb	Step 63 Note 2	(127 - 255)	
				OFF, 0	-127
#	1F 04	0000 aaaa			
	1F 05	0000 bbbb	Step 63 Note 3	(127 - 255)	
				OFF, 0	-127
#	1F 06	0000 aaaa			
	1F 07	0000 bbbb	Step 63 Note 4	(127 - 255)	
				OFF, 0	-127
#	1F 08	0000 aaaa			
	1F 09	0000 bbbb	Step 63 Note 5	(127 - 255)	
				OFF, 0	-127
#	1F 0A	0000 aaaa			
	1F 0B	0000 bbbb	Step 63 Note 6	(127 - 255)	
				OFF, 0	-127
#	1F 0C	0000 aaaa			
	1F 0D	0000 bbbb	Step 63 Note 7	(127 - 255)	
				OFF, 0	-127
#	1F 0E	0000 aaaa			
	1F 0F	0000 bbbb	Step 63 Note 8	(127 - 255)	
				OFF, 0	-127
	1F 10	0aaa aaaa	Step 63 Velocity 1	(0 - 127)	
	1F 11	0aaa aaaa	Step 63 Velocity 2	(0 - 127)	
	1F 12	0aaa aaaa	Step 63 Velocity 3	(0 - 127)	
	1F 13	0aaa aaaa	Step 63 Velocity 4	(0 - 127)	
	1F 14	0aaa aaaa	Step 63 Velocity 5	(0 - 127)	
	1F 15	0aaa aaaa	Step 63 Velocity 6	(0 - 127)	
	1F 16	0aaa aaaa	Step 63 Velocity 7	(0 - 127)	
	1F 17	0aaa aaaa	Step 63 Velocity 8	(0 - 127)	
	1F 18	0aaa aaaa	Step 63 Gate 1	(0 - 101)	
				0 - 100, TIE	
	1F 19	0aaa aaaa	Step 63 Gate 2	(0 - 101)	
				0 - 100, TIE	
	1F 1A	0aaa aaaa	Step 63 Gate 3	(0 - 101)	
				0 - 100, TIE	
	1F 1B	0aaa aaaa	Step 63 Gate 4	(0 - 101)	
				0 - 100, TIE	
	1F 1C	0aaa aaaa	Step 63 Gate 5	(0 - 101)	
				0 - 100, TIE	
	1F 1D	0aaa aaaa	Step 63 Gate 6	(0 - 101)	
				0 - 100, TIE	
	1F 1E	0aaa aaaa	Step 63 Gate 7	(0 - 101)	
				0 - 100, TIE	
	1F 1F	0aaa aaaa	Step 63 Gate 8	(0 - 101)	
				0 - 100, TIE	
#	1F 20	0000 aaaa			
	1F 21	0000 bbbb	Step 63 CC Number 1	(127 - 255)	
				-1 - 127	
#	1F 22	0000 aaaa			
	1F 23	0000 bbbb	Step 63 CC Number 2	(127 - 255)	
				-1 - 127	
#	1F 24	0000 aaaa			
	1F 25	0000 bbbb	Step 63 CC Number 3	(127 - 255)	
				-1 - 127	
#	1F 26	0000 aaaa			
	1F 27	0000 bbbb	Step 63 CC Number 4	(127 - 255)	
				-1 - 127	
#	1F 28	0000 aaaa			
	1F 29	0000 bbbb	Step 63 CC Value 1	(0 - 255)	
#	1F 2A	0000 aaaa			
	1F 2B	0000 bbbb	Step 63 CC Value 2	(0 - 255)	
#	1F 2C	0000 aaaa			
	1F 2D	0000 bbbb	Step 63 CC Value 3	(0 - 255)	
#	1F 2E	0000 aaaa			
	1F 2F	0000 bbbb	Step 63 CC Value 4	(0 - 255)	
	1F 30	0aaa aaaa	Reserved		
	1F 31	0aaa aaaa	Reserved		
	1F 32	0aaa aaaa	Reserved		
	1F 33	0aaa aaaa	Reserved		
	1F 34	0aaa aaaa	Reserved		
	1F 35	0aaa aaaa	Reserved		
	1F 36	0aaa aaaa	Reserved		
	1F 37	0aaa aaaa	Reserved		
	1F 38	0000 0aaa	Step 63 Sub Step 1	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	1F 39	0000 0aaa	Step 63 Sub Step 2	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	1F 3A	0000 0aaa	Step 63 Sub Step 3	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	1F 3B	0000 0aaa	Step 63 Sub Step 4	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	1F 3C	0000 0aaa	Step 63 Sub Step 5	(0 - 4)	
				OFF, FLAM, 1/4, 1/3, 1/2	
	1F 3D	0000 0aaa	Step 63 Sub Step 6	(0 - 4)	

	1F 3E	0000 Oaaa	Step 63 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1F 3F	0000 Oaaa	Step 63 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
#	1F 40	0000 aaaa	Step 64 Note 1	(127 - 255) OFF, 0 -127
	1F 41	0000 bbbb		
#	1F 42	0000 aaaa	Step 64 Note 2	(127 - 255) OFF, 0 -127
	1F 43	0000 bbbb		
#	1F 44	0000 aaaa	Step 64 Note 3	(127 - 255) OFF, 0 -127
	1F 45	0000 bbbb		
#	1F 46	0000 aaaa	Step 64 Note 4	(127 - 255) OFF, 0 -127
	1F 47	0000 bbbb		
#	1F 48	0000 aaaa	Step 64 Note 5	(127 - 255) OFF, 0 -127
	1F 49	0000 bbbb		
#	1F 4A	0000 aaaa	Step 64 Note 6	(127 - 255) OFF, 0 -127
	1F 4B	0000 bbbb		
#	1F 4C	0000 aaaa	Step 64 Note 7	(127 - 255) OFF, 0 -127
	1F 4D	0000 bbbb		
#	1F 4E	0000 aaaa	Step 64 Note 8	(127 - 255) OFF, 0 -127
	1F 4F	0000 bbbb		
	1F 50	Oaaa aaaa	Step 64 Velocity 1	(0 - 127)
	1F 51	Oaaa aaaa	Step 64 Velocity 2	(0 - 127)
	1F 52	Oaaa aaaa	Step 64 Velocity 3	(0 - 127)
	1F 53	Oaaa aaaa	Step 64 Velocity 4	(0 - 127)
	1F 54	Oaaa aaaa	Step 64 Velocity 5	(0 - 127)
	1F 55	Oaaa aaaa	Step 64 Velocity 6	(0 - 127)
	1F 56	Oaaa aaaa	Step 64 Velocity 7	(0 - 127)
	1F 57	Oaaa aaaa	Step 64 Velocity 8	(0 - 127)
	1F 58	Oaaa aaaa	Step 64 Gate 1	(0 - 101)
	1F 59	Oaaa aaaa	Step 64 Gate 2	0 - 100, TIE (0 - 101)
	1F 5A	Oaaa aaaa	Step 64 Gate 3	0 - 100, TIE (0 - 101)
	1F 5B	Oaaa aaaa	Step 64 Gate 4	0 - 100, TIE (0 - 101)
	1F 5C	Oaaa aaaa	Step 64 Gate 5	0 - 100, TIE (0 - 101)
	1F 5D	Oaaa aaaa	Step 64 Gate 6	0 - 100, TIE (0 - 101)
	1F 5E	Oaaa aaaa	Step 64 Gate 7	0 - 100, TIE (0 - 101)
	1F 5F	Oaaa aaaa	Step 64 Gate 8	0 - 100, TIE (0 - 101)
#	1F 60	0000 aaaa	Step 64 CC Number 1	(127 - 255) -1 - 127
	1F 61	0000 bbbb		
#	1F 62	0000 aaaa	Step 64 CC Number 2	(127 - 255) -1 - 127
	1F 63	0000 bbbb		
#	1F 64	0000 aaaa	Step 64 CC Number 3	(127 - 255) -1 - 127
	1F 65	0000 bbbb		
#	1F 66	0000 aaaa	Step 64 CC Number 4	(127 - 255) -1 - 127
	1F 67	0000 bbbb		
#	1F 68	0000 aaaa	Step 64 CC Value 1	(0 - 255)
	1F 69	0000 bbbb		
#	1F 6A	0000 aaaa	Step 64 CC Value 2	(0 - 255)
	1F 6B	0000 bbbb		
#	1F 6C	0000 aaaa	Step 64 CC Value 3	(0 - 255)
	1F 6D	0000 bbbb		
#	1F 6E	0000 aaaa	Step 64 CC Value 4	(0 - 255)
	1F 6F	0000 bbbb		
	1F 70	Oaaa aaaa	Reserved	
	1F 71	Oaaa aaaa	Reserved	
	1F 72	Oaaa aaaa	Reserved	
	1F 73	Oaaa aaaa	Reserved	
	1F 74	Oaaa aaaa	Reserved	
	1F 75	Oaaa aaaa	Reserved	
	1F 76	Oaaa aaaa	Reserved	
	1F 77	Oaaa aaaa	Reserved	
	1F 78	0000 Oaaa	Step 64 Sub Step 1	(0 - 4)
	1F 79	0000 Oaaa	Step 64 Sub Step 2	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
	1F 7A	0000 Oaaa	Step 64 Sub Step 3	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)

1F 7B	0000 0aaa	Step 64 Sub Step 4	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
1F 7C	0000 0aaa	Step 64 Sub Step 5	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
1F 7D	0000 0aaa	Step 64 Sub Step 6	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
1F 7E	0000 0aaa	Step 64 Sub Step 7	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
1F 7F	0000 0aaa	Step 64 Sub Step 8	OFF, FLAM, 1/4, 1/3, 1/2 (0 - 4)
00 00 20 00	Total Size		

* [Partial EQ]

Offset Address	Description		
# 00 00	0000 aaaa	EQ Low Gain (784 - 1264) -24.0 - +24.0 [dB]	
00 01	0000 bbbb		
00 02	0000 cccc		
00 03	0000 dddd		
# 00 04	0000 aaaa	EQ Mid Gain (784 - 1264) -24.0 - +24.0 [dB]	
00 05	0000 bbbb		
00 06	0000 cccc		
00 07	0000 dddd		
# 00 08	0000 aaaa	EQ High Gain (784 - 1264) -24.0 - +24.0 [dB]	
00 09	0000 bbbb		
00 0A	0000 cccc		
00 0B	0000 dddd		
# 00 0C	0000 aaaa	EQ Low Frequency (20 - 16000) 20 - 16000 [Hz]	
00 0D	0000 bbbb		
00 0E	0000 cccc		
00 0F	0000 dddd		
# 00 10	0000 aaaa	EQ Mid Frequency (20 - 16000) 20 - 16000 [Hz]	
00 11	0000 bbbb		
00 12	0000 cccc		
00 13	0000 dddd		
# 00 14	0000 aaaa	EQ High Frequency (20 - 16000) 20 - 16000 [Hz]	
00 15	0000 bbbb		
00 16	0000 cccc		
00 17	0000 dddd		
# 00 18	0000 aaaa	EQ Mid Q (5 - 160) 0.5 - 16.0	
00 19	0000 bbbb		
00 1A	0000 000a	EQ Switch (0 - 1) OFF, ON	
00 00 00 1B	Total Size		

* [Partial LFO]

Offset Address	Description	
00 00	0000 aaaa	Waveform (0 - 10) SIN, TRI, SAW-UP, SAW-DW, SQR, RND, TRP, S&H, CHS, VSIN, STEP
00 01	0000 000a	Rate Sync (0 - 1) OFF, ON
00 02	000a aaaa	Rate (note) (0 - 22) 1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32, 1/16, 1/8T, 1/16, 1/8, 1/4T, 1/8, 1/4, 1/2T, 1/4, 1/2, 1T, 1/2, 1, 2T, 1, 2, 4
00 03	0000 aaaa	Step Size (0 - 15) 1 - 16
# 00 04	0000 aaaa	Rate (0 - 1023) 0 - 1023
00 05	0000 bbbb	
00 06	0000 cccc	
00 07	0000 dddd	
# 00 08	0000 aaaa	Offset (28 - 228) -100 - +100
00 09	0000 bbbb	
00 0A	0aaa aaaa	Rate Detune (0 - 127) 0 - 127
# 00 0B	0000 aaaa	
00 0C	0000 bbbb	

	00 0D	0000 cccc			
	00 0E	0000 dddd	Delay Time	(0 - 1023)	
#	00 0F	0000 aaaa		0 - 1023	
	00 10	0000 bbbb	Delay Time Keyfollow	(28 - 228)	
	00 11	0000 00aa	Fade Mode	-100 - +100	
#	00 12	0000 aaaa		(0 - 3)	
	00 13	0000 bbbb		ON-IN, ON-OUT, OFF-IN, OFF-OUT	
	00 14	0000 cccc			
	00 15	0000 dddd	Fade Time	(0 - 1023)	
	00 16	0000 000a	Key Trigger	0 - 1023	
#	00 17	0000 aaaa		(0 - 1)	
	00 18	0000 bbbb	Pitch Depth	OFF, ON	
#	00 19	0000 aaaa		(28 - 228)	
	00 1A	0000 bbbb	TVF Depth	-100 - +100	
#	00 1B	0000 aaaa		(28 - 228)	
	00 1C	0000 bbbb	TVA Depth	-100 - +100	
	00 1D	0aaa aaaa	PAN Depth	(1 - 127)	
	00 1E	0000 00aa	Phase Position	-63 - +63	
#	00 1F	0000 aaaa		(0 - 3)	
	00 20	0000 bbbb	Step 1	0 - 3	
#	00 21	0000 aaaa		(56 - 200)	
	00 22	0000 bbbb	Step 2	-72 - +72	
#	00 23	0000 aaaa		(56 - 200)	
	00 24	0000 bbbb	Step 3	-72 - +72	
#	00 25	0000 aaaa		(56 - 200)	
	00 26	0000 bbbb	Step 4	-72 - +72	
#	00 27	0000 aaaa		(56 - 200)	
	00 28	0000 bbbb	Step 5	-72 - +72	
#	00 29	0000 aaaa		(56 - 200)	
	00 2A	0000 bbbb	Step 6	-72 - +72	
#	00 2B	0000 aaaa		(56 - 200)	
	00 2C	0000 bbbb	Step 7	-72 - +72	
#	00 2D	0000 aaaa		(56 - 200)	
	00 2E	0000 bbbb	Step 8	-72 - +72	
#	00 2F	0000 aaaa		(56 - 200)	
	00 30	0000 bbbb	Step 9	-72 - +72	
#	00 31	0000 aaaa		(56 - 200)	
	00 32	0000 bbbb	Step 10	-72 - +72	
#	00 33	0000 aaaa		(56 - 200)	
	00 34	0000 bbbb	Step 11	-72 - +72	
#	00 35	0000 aaaa		(56 - 200)	
	00 36	0000 bbbb	Step 12	-72 - +72	
#	00 37	0000 aaaa		(56 - 200)	
	00 38	0000 bbbb	Step 13	-72 - +72	
#	00 39	0000 aaaa		(56 - 200)	
	00 3A	0000 bbbb	Step 14	-72 - +72	
#	00 3B	0000 aaaa		(56 - 200)	
	00 3C	0000 bbbb	Step 15	-72 - +72	
#	00 3D	0000 aaaa		(56 - 200)	
	00 3E	0000 bbbb	Step 16	-72 - +72	
	00 3F	00aa aaaa	Step 1 Curve	(0 - 36)	
	00 40	00aa aaaa	Step 2 Curve	0 - 36	
	00 41	00aa aaaa	Step 3 Curve	(0 - 36)	
	00 42	00aa aaaa	Step 4 Curve	0 - 36	
	00 43	00aa aaaa	Step 5 Curve	(0 - 36)	
	00 44	00aa aaaa	Step 6 Curve	0 - 36	

	00 45	00aa aaaa	Step 7 Curve	0 - 36 (0 - 36)
	00 46	00aa aaaa	Step 8 Curve	0 - 36 (0 - 36)
	00 47	00aa aaaa	Step 9 Curve	0 - 36 (0 - 36)
	00 48	00aa aaaa	Step 10 Curve	0 - 36 (0 - 36)
	00 49	00aa aaaa	Step 11 Curve	0 - 36 (0 - 36)
	00 4A	00aa aaaa	Step 12 Curve	0 - 36 (0 - 36)
	00 4B	00aa aaaa	Step 13 Curve	0 - 36 (0 - 36)
	00 4C	00aa aaaa	Step 14 Curve	0 - 36 (0 - 36)
	00 4D	00aa aaaa	Step 15 Curve	0 - 36 (0 - 36)
	00 4E	00aa aaaa	Step 16 Curve	0 - 36 (0 - 36)
	00 4F	0000 aaaa	Waveform	(0 - 10)
			SIN, TRI, SAW-UP, SAW-DW, SQR, RND, TRP, S&H, CHS, VSIN, STEP	
	00 50	0000 000a	Rate Sync	(0 - 1)
	00 51	000a aaaa	Rate (note)	OFF, ON (0 - 22)
			1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32, 1/16, 1/8T, 1/16, 1/8, 1/4T, 1/8, 1/4, 1/2T, 1/4, 1/2, 1T, 1/2, 1, 2T, 1, 2, 4	
	00 52	0000 aaaa	Step Size	(0 - 15) 1 - 16
#	00 53	0000 aaaa		
	00 54	0000 bbbb		
	00 55	0000 cccc		
	00 56	0000 dddd	Rate	(0 - 1023) 0 - 1023
#	00 57	0000 aaaa		
	00 58	0000 bbbb	Offset	(28 - 228) -100 - +100
	00 59	0aaa aaaa	Rate Detune	(0 - 127) 0 - 127
#	00 5A	0000 aaaa		
	00 5B	0000 bbbb		
	00 5C	0000 cccc		
	00 5D	0000 dddd	Delay Time	(0 - 1023) 0 - 1023
#	00 5E	0000 aaaa		
	00 5F	0000 bbbb	Delay Time Keyfollow	(28 - 228) -100 - +100
	00 60	0000 00aa	Fade Mode	(0 - 3) ON-IN, ON-OUT, OFF-IN, OFF-OUT
#	00 61	0000 aaaa		
	00 62	0000 bbbb		
	00 63	0000 cccc		
	00 64	0000 dddd	Fade Time	(0 - 1023) 0 - 1023
	00 65	0000 000a	Key Trigger	(0 - 1) OFF, ON
#	00 66	0000 aaaa		
	00 67	0000 bbbb	Pitch Depth	(28 - 228) -100 - +100
#	00 68	0000 aaaa		
	00 69	0000 bbbb	TVF Depth	(28 - 228) -100 - +100
#	00 6A	0000 aaaa		
	00 6B	0000 bbbb	TVA Depth	(28 - 228) -100 - +100
	00 6C	0aaa aaaa	PAN Depth	(1 - 127) -63 - +63
	00 6D	0000 00aa	Phase Position	(0 - 3) 0 - 3
#	00 6E	0000 aaaa		
	00 6F	0000 bbbb	Step 1	(56 - 200) -72 - +72
#	00 70	0000 aaaa		
	00 71	0000 bbbb	Step 2	(56 - 200) -72 - +72
#	00 72	0000 aaaa		
	00 73	0000 bbbb	Step 3	(56 - 200) -72 - +72
#	00 74	0000 aaaa		
	00 75	0000 bbbb	Step 4	(56 - 200) -72 - +72
#	00 76	0000 aaaa		
	00 77	0000 bbbb	Step 5	(56 - 200) -72 - +72

#	00 78	0000 aaaa	Step 6	(56 - 200) -72 - +72
	00 79	0000 bbbb		
#	00 7A	0000 aaaa	Step 7	(56 - 200) -72 - +72
	00 7B	0000 bbbb		
#	00 7C	0000 aaaa	Step 8	(56 - 200) -72 - +72
	00 7D	0000 bbbb		
#	00 7E	0000 aaaa	Step 9	(56 - 200) -72 - +72
	00 7F	0000 bbbb		
#	01 00	0000 aaaa	Step 10	(56 - 200) -72 - +72
	01 01	0000 bbbb		
#	01 02	0000 aaaa	Step 11	(56 - 200) -72 - +72
	01 03	0000 bbbb		
#	01 04	0000 aaaa	Step 12	(56 - 200) -72 - +72
	01 05	0000 bbbb		
#	01 06	0000 aaaa	Step 13	(56 - 200) -72 - +72
	01 07	0000 bbbb		
#	01 08	0000 aaaa	Step 14	(56 - 200) -72 - +72
	01 09	0000 bbbb		
#	01 0A	0000 aaaa	Step 15	(56 - 200) -72 - +72
	01 0B	0000 bbbb		
#	01 0C	0000 aaaa	Step 16	(56 - 200) -72 - +72
	01 0D	0000 bbbb		
	01 0E	00aa aaaa	Step 1 Curve	(0 - 36) 0 - 36
	01 0F	00aa aaaa	Step 2 Curve	(0 - 36) 0 - 36
	01 10	00aa aaaa	Step 3 Curve	(0 - 36) 0 - 36
	01 11	00aa aaaa	Step 4 Curve	(0 - 36) 0 - 36
	01 12	00aa aaaa	Step 5 Curve	(0 - 36) 0 - 36
	01 13	00aa aaaa	Step 6 Curve	(0 - 36) 0 - 36
	01 14	00aa aaaa	Step 7 Curve	(0 - 36) 0 - 36
	01 15	00aa aaaa	Step 8 Curve	(0 - 36) 0 - 36
	01 16	00aa aaaa	Step 9 Curve	(0 - 36) 0 - 36
	01 17	00aa aaaa	Step 10 Curve	(0 - 36) 0 - 36
	01 18	00aa aaaa	Step 11 Curve	(0 - 36) 0 - 36
	01 19	00aa aaaa	Step 12 Curve	(0 - 36) 0 - 36
	01 1A	00aa aaaa	Step 13 Curve	(0 - 36) 0 - 36
	01 1B	00aa aaaa	Step 14 Curve	(0 - 36) 0 - 36
	01 1C	00aa aaaa	Step 15 Curve	(0 - 36) 0 - 36
	01 1D	00aa aaaa	Step 16 Curve	(0 - 36) 0 - 36
00 00 01 1E | Total Size				

* [Partial Pitch Env]

Offset Address	Description		
# 00 00	0000 aaaa	Pitch Env Depth	(28 - 228) -100 - +100
00 01	0000 bbbb		
# 00 02	0000 aaaa	Pitch Env Velocity Sens	(28 - 228) -100 - +100
00 03	0000 bbbb		
# 00 04	0000 aaaa	Pitch Env Time 1 Velocity Sens	(28 - 228) -100 - +100
00 05	0000 bbbb		
# 00 06	0000 aaaa	Pitch Env Time 4 Velocity Sens	(28 - 228) -100 - +100
00 07	0000 bbbb		
# 00 08	0000 aaaa		

	00 09	0000 bbbb		
	00 0A	0000 cccc		
	00 0B	0000 dddd	Pitch Env Time 1	(0 - 1023) 0 - 1023
#	00 0C	0000 aaaa		
	00 0D	0000 bbbb		
	00 0E	0000 cccc		
	00 0F	0000 dddd	Pitch Env Time 2	(0 - 1023) 0 - 1023
#	00 10	0000 aaaa		
	00 11	0000 bbbb		
	00 12	0000 cccc		
	00 13	0000 dddd	Pitch Env Time 3	(0 - 1023) 0 - 1023
#	00 14	0000 aaaa		
	00 15	0000 bbbb		
	00 16	0000 cccc		
	00 17	0000 dddd	Pitch Env Time 4	(0 - 1023) 0 - 1023
#	00 18	0000 aaaa		
	00 19	0000 bbbb		
	00 1A	0000 cccc		
	00 1B	0000 dddd	Pitch Env Level 0	(513 - 1535) -511 - +511
#	00 1C	0000 aaaa		
	00 1D	0000 bbbb		
	00 1E	0000 cccc		
	00 1F	0000 dddd	Pitch Env Level 1	(513 - 1535) -511 - +511
#	00 20	0000 aaaa		
	00 21	0000 bbbb		
	00 22	0000 cccc		
	00 23	0000 dddd	Pitch Env Level 2	(513 - 1535) -511 - +511
#	00 24	0000 aaaa		
	00 25	0000 bbbb		
	00 26	0000 cccc		
	00 27	0000 dddd	Pitch Env Level 3	(513 - 1535) -511 - +511
#	00 28	0000 aaaa		
	00 29	0000 bbbb		
	00 2A	0000 cccc		
	00 2B	0000 dddd	Pitch Env Level 4	(513 - 1535) -511 - +511
	00 2C	0000 0aaa	Pitch Env Velocity Curve	(0 - 7) 0 - 7
	00 00 00 2D	Total Size		

* [Partial Filter Env]

Offset	Address	Description		
	00 00	0aaa aaaa	TVF Env Depth	(1 - 127) -63 - +63
	00 01	0000 0aaa	TVF Env Velocity Curve	(0 - 7) 0 - 7
#	00 02	0000 aaaa		
	00 03	0000 bbbb	TVF Env Velocity Sens	(28 - 228) -100 - +100
#	00 04	0000 aaaa		
	00 05	0000 bbbb	TVF Env Time 1 Velocity Sens	(28 - 228) -100 - +100
#	00 06	0000 aaaa		
	00 07	0000 bbbb	TVF Env Time 4 Velocity Sens	(28 - 228) -100 - +100
#	00 08	0000 aaaa		
	00 09	0000 bbbb		
	00 0A	0000 cccc		
	00 0B	0000 dddd	TVF Env Time 1	(0 - 1023) 0 - 1023
#	00 0C	0000 aaaa		
	00 0D	0000 bbbb		
	00 0E	0000 cccc		
	00 0F	0000 dddd	TVF Env Time 2	(0 - 1023) 0 - 1023
#	00 10	0000 aaaa		
	00 11	0000 bbbb		
	00 12	0000 cccc		
	00 13	0000 dddd	TVF Env Time 3	(0 - 1023) 0 - 1023
#	00 14	0000 aaaa		
	00 15	0000 bbbb		
	00 16	0000 cccc		
	00 17	0000 dddd	TVF Env Time 4	(0 - 1023)

#	00 18	0000 aaaa		0 - 1023
	00 19	0000 bbbb		
	00 1A	0000 cccc		
	00 1B	0000 dddd	TVF Env Level 0	(0 - 1023)
				0 - 1023
#	00 1C	0000 aaaa		
	00 1D	0000 bbbb		
	00 1E	0000 cccc		
	00 1F	0000 dddd	TVF Env Level 1	(0 - 1023)
				0 - 1023
#	00 20	0000 aaaa		
	00 21	0000 bbbb		
	00 22	0000 cccc		
	00 23	0000 dddd	TVF Env Level 2	(0 - 1023)
				0 - 1023
#	00 24	0000 aaaa		
	00 25	0000 bbbb		
	00 26	0000 cccc		
	00 27	0000 dddd	TVF Env Level 3	(0 - 1023)
				0 - 1023
#	00 28	0000 aaaa		
	00 29	0000 bbbb		
	00 2A	0000 cccc		
	00 2B	0000 dddd	TVF Env Level 4	(0 - 1023)
				0 - 1023
00 00 00 2C		Total Size		

* [Partial Amp Env]

Offset	Address	Description		
#	00 00	0000 aaaa		
	00 01	0000 bbbb	TVA Env Time 1 Velocity Sens	(28 - 228)
				-100 - +100
#	00 02	0000 aaaa		
	00 03	0000 bbbb	TVA Env Time 4 Velocity Sens	(28 - 228)
				-100 - +100
#	00 04	0000 aaaa		
	00 05	0000 bbbb		
	00 06	0000 cccc		
	00 07	0000 dddd	TVA Env Time 1	(0 - 1023)
				0 - 1023
#	00 08	0000 aaaa		
	00 09	0000 bbbb		
	00 0A	0000 cccc		
	00 0B	0000 dddd	TVA Env Time 2	(0 - 1023)
				0 - 1023
#	00 0C	0000 aaaa		
	00 0D	0000 bbbb		
	00 0E	0000 cccc		
	00 0F	0000 dddd	TVA Env Time 3	(0 - 1023)
				0 - 1023
#	00 10	0000 aaaa		
	00 11	0000 bbbb		
	00 12	0000 cccc		
	00 13	0000 dddd	TVA Env Time 4	(0 - 1023)
				0 - 1023
#	00 14	0000 aaaa		
	00 15	0000 bbbb		
	00 16	0000 cccc		
	00 17	0000 dddd	TVA Env Level 1	(0 - 1023)
				0 - 1023
#	00 18	0000 aaaa		
	00 19	0000 bbbb		
	00 1A	0000 cccc		
	00 1B	0000 dddd	TVA Env Level 2	(0 - 1023)
				0 - 1023
#	00 1C	0000 aaaa		
	00 1D	0000 bbbb		
	00 1E	0000 cccc		
	00 1F	0000 dddd	TVA Env Level 3	(0 - 1023)
				0 - 1023
00 00 00 20		Total Size		

* [Tone Common]

Offset	Address	Description		
	00 00	0aaa aaaa	Name 1	(32 - 127)
				32 - 127 [ASCII]

	00 01	0aaa aaaa	Name 2	(32 - 127)
				32 - 127 [ASCII]
	00 02	0aaa aaaa	Name 3	(32 - 127)
				32 - 127 [ASCII]
	00 03	0aaa aaaa	Name 4	(32 - 127)
				32 - 127 [ASCII]
	00 04	0aaa aaaa	Name 5	(32 - 127)
				32 - 127 [ASCII]
	00 05	0aaa aaaa	Name 6	(32 - 127)
				32 - 127 [ASCII]
	00 06	0aaa aaaa	Name 7	(32 - 127)
				32 - 127 [ASCII]
	00 07	0aaa aaaa	Name 8	(32 - 127)
				32 - 127 [ASCII]
	00 08	0aaa aaaa	Name 9	(32 - 127)
				32 - 127 [ASCII]
	00 09	0aaa aaaa	Name 10	(32 - 127)
				32 - 127 [ASCII]
	00 0A	0aaa aaaa	Name 11	(32 - 127)
				32 - 127 [ASCII]
	00 0B	0aaa aaaa	Name 12	(32 - 127)
				32 - 127 [ASCII]
	00 0C	0aaa aaaa	Name 13	(32 - 127)
				32 - 127 [ASCII]
	00 0D	0aaa aaaa	Name 14	(32 - 127)
				32 - 127 [ASCII]
	00 0E	0aaa aaaa	Name 15	(32 - 127)
				32 - 127 [ASCII]
	00 0F	0aaa aaaa	Name 16	(32 - 127)
				32 - 127 [ASCII]
	00 10	00aa aaaa	Category	(0 - 50)
				0 - 50
#	00 11	0000 aaaa		
	00 12	0000 bbbb		
	00 13	0000 cccc		
	00 14	0000 dddd	Reserved	
	00 15	0aaa aaaa	Level	(0 - 127)
				0 - 127
	00 16	0aaa aaaa	Pan	(0 - 127)
				L64 - 63R
	00 17	0000 000a	Priority	(0 - 1)
				LAST, LOUDEST
	00 18	0aaa aaaa	Tone Coarse Tune	(16 - 112)
				-48 - +48 [semitone]
	00 19	0aaa aaaa	Tone Fine Tune	(14 - 114)
				-50 - +50 [cent]
	00 1A	0aaa aaaa	Octave Shift	(61 - 67)
				-3 - +3
	00 1B	0000 00aa	Stretch Tune Depth	(0 - 3)
				OFF, 1, 2, 3
	00 1C	0aaa aaaa	Analog Feel	(0 - 127)
				0 - 127
	00 1D	0000 000a	Mono/Poly	(0 - 1)
				MONO, POLY
	00 1E	0000 000a	Legato Switch	(0 - 1)
				OFF, ON
	00 1F	0000 aaaa	Legato Retrigger Interval	(0 - 13)
				0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, OFF
	00 20	0000 000a	Portamento Switch	(0 - 1)
				OFF, ON
	00 21	0000 000a	Portamento Mode	(0 - 1)
				NORMAL, LEGATO
	00 22	0000 000a	Portamento Type	(0 - 1)
				RATE, TIME
	00 23	0000 000a	Portamento Start	(0 - 1)
				PITCH, NOTE
#	00 24	0000 aaaa		
	00 25	0000 bbbb		
	00 26	0000 cccc		
	00 27	0000 dddd	Portamento Time	(0 - 1023)
				0 - 1023
	00 28	00aa aaaa	Bend Range Up	(0 - 48)
				0 - 48
	00 29	00aa aaaa	Bend Range Down	(0 - 48)
				0 - 48
	00 2A	0000 000a	Bend Mode	(0 - 1)
				NORMAL, CATCH+LAST
	00 2B	0aaa aaaa	Soft Level Sens	(0 - 100)
				0 - 100
#	00 2C	0000 aaaa		
#	00 2D	0000 bbbb	Reserved	
#	00 2E	0000 aaaa		
#	00 2F	0000 bbbb	Reserved	
#	00 30	0000 aaaa		
#	00 31	0000 bbbb	Reserved	
#	00 32	0000 aaaa		
#	00 33	0000 bbbb	Reserved	

00 34	0000 00aa	Portamento Curve Type	(0 - 2)
00 35	0000 000a	Reserved	1 - 3
00 00 00 36	Total Size		

* [Tone PMT]

Offset Address	Description		
00 00	0000 00aa	Velocity Control	(0 - 3)
00 01	0000 000a	PMT Level Curve	OFF, ON, RANDOM, CYCLE (0 - 1) EXP, LINEAR
00 02	0000 000a	Partial Switch	(0 - 1)
00 03	0aaa aaaa	Key Range Lower	OFF, ON (0 - 127)
00 04	0aaa aaaa	Key Range Upper	0 - 127 (0 - 127)
00 05	0aaa aaaa	Key Fade Lower	0 - 127 (0 - 127)
00 06	0aaa aaaa	Key Fade Upper	0 - 127 (0 - 127)
00 07	0aaa aaaa	VeloRange Lower	0 - 127 (1 - 127)
00 08	0aaa aaaa	Velocity Range Upper	1 - 127 (1 - 127)
00 09	0aaa aaaa	Velocity Fade Lower	1 - 127 (0 - 127)
00 0A	0aaa aaaa	Velocity Fade Upper	0 - 127 (0 - 127)
00 0B	0000 000a	Partial Switch	(0 - 1)
00 0C	0aaa aaaa	Key Range Lower	OFF, ON (0 - 127)
00 0D	0aaa aaaa	Key Range Upper	0 - 127 (0 - 127)
00 0E	0aaa aaaa	Key Fade Lower	0 - 127 (0 - 127)
00 0F	0aaa aaaa	Key Fade Upper	0 - 127 (0 - 127)
00 10	0aaa aaaa	Velocity Range Lower	0 - 127 (1 - 127)
00 11	0aaa aaaa	Velocity Range Upper	1 - 127 (1 - 127)
00 12	0aaa aaaa	Velocity Fade Lower	1 - 127 (0 - 127)
00 13	0aaa aaaa	Velocity Fade Upper	0 - 127 (0 - 127)
00 14	0000 000a	Partial Switch	(0 - 1)
00 15	0aaa aaaa	Key Range Lower	OFF, ON (0 - 127)
00 16	0aaa aaaa	Key Range Upper	0 - 127 (0 - 127)
00 17	0aaa aaaa	Key Fade Lower	0 - 127 (0 - 127)
00 18	0aaa aaaa	Key Fade Upper	0 - 127 (0 - 127)
00 19	0aaa aaaa	Velocity Range Lower	0 - 127 (1 - 127)
00 1A	0aaa aaaa	Velocity Range Upper	1 - 127 (1 - 127)
00 1B	0aaa aaaa	Velocity Fade Lower	1 - 127 (0 - 127)
00 1C	0aaa aaaa	Velocity Fade Upper	0 - 127 (0 - 127)
00 1D	0000 000a	Partial Switch	(0 - 1)
00 1E	0aaa aaaa	Key Range Lower	OFF, ON (0 - 127)
00 1F	0aaa aaaa	Key Range Upper	0 - 127 (0 - 127)
00 20	0aaa aaaa	Key Fade Lower	0 - 127 (0 - 127)
00 21	0aaa aaaa	Key Fade Upper	0 - 127 (0 - 127)
00 22	0aaa aaaa	Velocity Range Lower	0 - 127 (1 - 127)
00 23	0aaa aaaa	Velocity Range Upper	1 - 127 (1 - 127)

00 24	0aaa aaaa	Velocity Fade Lower	1 - 127 (0 - 127)
00 25	0aaa aaaa	Velocity Fade Upper	0 - 127 (0 - 127)
00 00 00 26	Total Size		

* [Tone Partial]

Offset	Address	Description	
00 00	0aaa aaaa	Level	(0 - 127)
00 01	0aaa aaaa	Coarse Tune	0 - 127 (16 - 112)
00 02	0aaa aaaa	Fine Tune	-48 - 48 (14 - 114)
# 00 03	0000 aaaa		-50 - 50 [cent]
00 04	0000 bbbb		
00 05	0000 cccc		
00 06	0000 dddd	Random Pitch Depth	(0 - 1200)
00 07	0aaa aaaa	Pan	0 - 1200 [cent] (0 - 127) L64 - 63R
# 00 08	0000 aaaa		
00 09	0000 bbbb	Pan Keyfollow	(28 - 228)
00 0A	00aa aaaa	Random Pan Depth	-100 - +100 (0 - 63)
00 0B	0aaa aaaa	Alternate Pan Depth	0 - 63 (0 - 127)
00 0C	0000 000a	Envelope Mode	L64 - 63R (0 - 1)
00 0D	0000 00aa	Delay Mode	NO-SUS, SUSTAIN (0 - 3)
00 0E	0000 000a	Delay Time Sync	NORMAL, HOLD, KEYOFF-NORMAL, KEYOFF-DECAY (0 - 1)
00 0F	000a aaaa	Delay Time (note)	OFF, ON (0 - 21)
# 00 10	0000 aaaa		1/64T, 1/64, 1/32T, 1/32,
00 11	0000 bbbb		1/16T, 1/32, 1/16, 1/8T, 1/16, 1/8, 1/4T, 1/8,
00 12	0000 cccc		1/4, 1/2T, 1/4, 1/2, 1T, 1/2, 1, 2T, 1, 2
00 13	0000 dddd	Delay Time	(0 - 1023)
00 14	0aaa aaaa	Chorus Send Level	0 - 1023 (0 - 127)
00 15	0aaa aaaa	Reverb Send Level	0 - 127 (0 - 127)
00 16	0000 000a	Receive Bender	0 - 127 (0 - 1)
00 17	0000 000a	Receive Expression	OFF, ON (0 - 1)
00 18	0000 000a	Receive Hold-1	OFF, ON (0 - 1)
00 19	0000 000a	Redamper Switch	OFF, ON (0 - 1)
00 1A	0000 000a	Output Assign	OFF, ON (0 - 1)
00 1B	0000 00aa	Wave Group Type	DRY, MFX (0 - 3)
# 00 1C	0000 aaaa		INT, EXP, SAMP, MSAMP
00 1D	0000 bbbb		
00 1E	0000 cccc		
00 1F	0000 dddd	Wave Group ID	(0 - 16383)
# 00 20	0000 aaaa		0 - 16383
00 21	0000 bbbb		
00 22	0000 cccc		
00 23	0000 dddd	Wave Number L	(0 - 16383)
# 00 24	0000 aaaa		0 - 16383
00 25	0000 bbbb		
00 26	0000 cccc		
00 27	0000 dddd	Wave Number R	(0 - 16383)
00 28	0000 0aaa	Gain	0 - 16383 (0 - 5)
00 29	0000 000a	FXM Switch	-18, -12, -6, 0, +6, +12[dB] (0 - 1)
00 2A	0000 0aaa	FXM Color	OFF, ON (1 - 4)
00 2B	000a aaaa	FXM Depth	1 - 4 (0 - 16)

			0 - 16
#	00 2C	0000 aaaa	
	00 2D	0000 bbbb	
	00 2E	0000 cccc	
	00 2F	0000 dddd	Pitch Keyfollow (824 - 1224)
			-200 - +200
	00 30	0aaa aaaa	Soft EQ Sens (0 - 100)
			0 - 100
	00 31	0000 0aaa	TVF Filter Type (0 - 6)
			OFF, LPF, BPF, HPF, PKG, LPF2, LPF3
#	00 32	0000 aaaa	
	00 33	0000 bbbb	
	00 34	0000 cccc	
	00 35	0000 dddd	TVF Cutoff Frequency (0 - 1023)
			0 - 1023
#	00 36	0000 aaaa	
	00 37	0000 bbbb	
	00 38	0000 cccc	
	00 39	0000 dddd	TVF Cutoff Keyfollow (824 - 1224)
			-200 - +200
	00 3A	0000 0aaa	TVF Cutoff Velocity Curve (0 - 7)
			0 - 7
#	00 3B	0000 aaaa	
	00 3C	0000 bbbb	TVF Cutoff Velocity Sens (28 - 228)
			-100 - +100
#	00 3D	0000 aaaa	
	00 3E	0000 bbbb	
	00 3F	0000 cccc	
	00 40	0000 dddd	TVF Resonance (0 - 1023)
			0 - 1023
#	00 41	0000 aaaa	
	00 42	0000 bbbb	TVF Resonance Velocity Sens (28 - 228)
			-100 - +100
#	00 43	0000 aaaa	
	00 44	0000 bbbb	Bias Level (28 - 228)
			-100 - +100
	00 45	0aaa aaaa	Bias Position (0 - 127)
			0 - 127
	00 46	0000 00aa	Bias Direction (0 - 3)
			LOWER, UPPER, LOWER&UPPER, ALL
	00 47	0000 0aaa	TVA Level Velocity Curve (0 - 7)
			0 - 7
#	00 48	0000 aaaa	
	00 49	0000 bbbb	TVA Level Velocity Sens (28 - 228)
			-100 - +100
#	00 4A	0000 aaaa	
	00 4B	0000 bbbb	Pitch Env Time Keyfollow (28 - 228)
			-100 - +100
#	00 4C	0000 aaaa	
	00 4D	0000 bbbb	TVF Env Time Keyfollow (28 - 228)
			-100 - +100
#	00 4E	0000 aaaa	
	00 4F	0000 bbbb	TVA Env Time Keyfollow (28 - 228)
			-100 - +100
#	00 50	0000 aaaa	
	00 51	0000 bbbb	Vibrato Pitch Sens (28 - 228)
			-100 - +100
#	00 52	0000 aaaa	
	00 53	0000 bbbb	Vibrato Cutoff Sens (28 - 228)
			-100 - +100
#	00 54	0000 aaaa	
	00 55	0000 bbbb	Vibrato Level Sens (28 - 228)
			-100 - +100
	00 56	0aaa aaaa	Source 1 (0 - 108)
			OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, BEND, AFT, SYS-CTRL1, SYS-CTRL2, SYS-CTRL3, SYS-CTRL4, VELOCITY, KEYFOLLOW, TEMPO, LFO1, LFO2, PIT-ENV, TVF-ENV, TVA-ENV
	00 57	00aa aaaa	Destination 1 (0 - 48)
			OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LFO1-RATE, LFO2-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LFO1_STEP, LFO2_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV
	00 58	0aaa aaaa	Sens 1 (1 - 127)

00 59	00aa aaaa	Destination 2	-63 - +63 (0 - 48)
		OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV	
00 5A	0aaa aaaa	Sens 2	(1 - 127)
00 5B	00aa aaaa	Destination 3	-63 - +63 (0 - 48)
		OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV	
00 5C	0aaa aaaa	Sens 3	(1 - 127)
00 5D	00aa aaaa	Destination 4	-63 - +63 (0 - 48)
		OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV	
00 5E	0aaa aaaa	Sens 4	(1 - 127)
00 5F	0aaa aaaa	Source 2	-63 - +63 (0 - 108)
		OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, BEND, AFT, SYS-CTRL1, SYS-CTRL2, SYS-CTRL3, SYS-CTRL4, VELOCITY, KEYFOLLOW, TEMPO, LF01, LF02, PIT-ENV, TVF-ENV, TVA-ENV	
00 60	00aa aaaa	Destination 1	(0 - 48)
		OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV	
00 61	0aaa aaaa	Sens 1	(1 - 127)
00 62	00aa aaaa	Destination 2	-63 - +63 (0 - 48)
		OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV	
00 63	0aaa aaaa	Sens 2	(1 - 127)
00 64	00aa aaaa	Destination 3	-63 - +63 (0 - 48)
		OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV	
00 65	0aaa aaaa	Sens 3	(1 - 127)
00 66	00aa aaaa	Destination 4	-63 - +63 (0 - 48)

			OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV
00 67	0aaa aaaa	Sens 4	(1 - 127) -63 - +63
00 68	0aaa aaaa	Source 3	(0 - 108) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, BEND, AFT, SYS-CTRL1, SYS-CTRL2, SYS-CTRL3, SYS-CTRL4, VELOCITY, KEYFOLLOW, TEMPO, LF01, LF02, PIT-ENV, TVF-ENV, TVA-ENV
00 69	00aa aaaa	Destination 1	(0 - 48) OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV
00 6A	0aaa aaaa	Sens 1	(1 - 127) -63 - +63
00 6B	00aa aaaa	Destination 2	(0 - 48) OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV
00 6C	0aaa aaaa	Sens 2	(1 - 127) -63 - +63
00 6D	00aa aaaa	Destination 3	(0 - 48) OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV
00 6E	0aaa aaaa	Sens 3	(1 - 127) -63 - +63
00 6F	00aa aaaa	Destination 4	(0 - 48) OFF, PCH, CUT, RES, LEV, PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV
00 70	0aaa aaaa	Sens 4	(1 - 127) -63 - +63
00 71	0aaa aaaa	Source 4	(0 - 108) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, BEND, AFT, SYS-CTRL1, SYS-CTRL2, SYS-CTRL3, SYS-CTRL4, VELOCITY, KEYFOLLOW, TEMPO, LF01, LF02, PIT-ENV, TVF-ENV, TVA-ENV
00 72	00aa aaaa	Destination 1	(0 - 48) OFF, PCH, CUT, RES, LEV,

			PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV
00 73	0aaa aaaa	Sens 1	(1 - 127) -63 - +63
00 74	00aa aaaa	Destination 2	(0 - 48) OFF, PCH, CUT, RES, LEV,
			PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV
00 75	0aaa aaaa	Sens 2	(1 - 127) -63 - +63
00 76	00aa aaaa	Destination 3	(0 - 48) OFF, PCH, CUT, RES, LEV,
			PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV
00 77	0aaa aaaa	Sens 3	(1 - 127) -63 - +63
00 78	00aa aaaa	Destination 4	(0 - 48) OFF, PCH, CUT, RES, LEV,
			PAN, CHO, REV, PIT-LF01, PIT-LF02, TVF-LF01, TVF-LF02, TVA-LF01, TVA-LF02, PAN-LF01, PAN-LF02, LF01-RATE, LF02-RATE, PIT-ATK, PIT-DCY, PIT-REL, TVF-ATK, TVF-DCY, TVF-REL, TVA-ATK, TVA-DCY, TVA-REL, PMT, FXM, MFX-CTRL1, MFX-CTRL2, MFX-CTRL3, MFX-CTRL4, PW, PWM, FAT, XMOD, LF01_STEP, LF02_STEP, SSAW-DETN, PIT_DEPTH, TVF-DEPTH, TVA-DEPTH, XMOD2, ATT, RING-OSC1-LEV, RING-OSC2-LEV, XMOD-OSC1-LEV, XMOD-OSC2-LEV
00 79	0aaa aaaa	Sens 4	(1 - 127) -63 - +63
00 7A	0aaa aaaa	Damper Free Note	(0 - 127) OFF, 1 - 127,
00 7B	0aaa aaaa	Stereo Width	(0 - 100) 0 - 100
00 7C	0aaa aaaa	Stereo Detune	(14 - 114) -50 - +50 [cent]
#	00 7D 0000 aaaa		
	00 7E 0000 bbbb	Damper Free Decay Offset	(28 - 228) -100 - +100
	00 7F 0000 000a	Wave Tempo Sync	(0 - 1) OFF, ON
00 00 01 00		Total Size	

* [Drum Kit Common]

Offset	Address	Description	
00 00	0aaa aaaa	Name 1	(32 - 127) 32 - 127 [ASCII]
00 01	0aaa aaaa	Name 2	(32 - 127) 32 - 127 [ASCII]
00 02	0aaa aaaa	Name 3	(32 - 127) 32 - 127 [ASCII]
00 03	0aaa aaaa	Name 4	(32 - 127) 32 - 127 [ASCII]
00 04	0aaa aaaa	Name 5	(32 - 127) 32 - 127 [ASCII]
00 05	0aaa aaaa	Name 6	(32 - 127) 32 - 127 [ASCII]
00 06	0aaa aaaa	Name 7	(32 - 127) 32 - 127 [ASCII]
00 07	0aaa aaaa	Name 8	(32 - 127) 32 - 127 [ASCII]
00 08	0aaa aaaa	Name 9	(32 - 127) 32 - 127 [ASCII]
00 09	0aaa aaaa	Name 10	(32 - 127) 32 - 127 [ASCII]
00 0A	0aaa aaaa	Name 11	(32 - 127) 32 - 127 [ASCII]

	00 0B	0aaa aaaa	Name 12	32 - 127 [ASCII] (32 - 127)
	00 0C	0aaa aaaa	Name 13	32 - 127 [ASCII] (32 - 127)
	00 0D	0aaa aaaa	Name 14	32 - 127 [ASCII] (32 - 127)
	00 0E	0aaa aaaa	Name 15	32 - 127 [ASCII] (32 - 127)
	00 0F	0aaa aaaa	Name 16	32 - 127 [ASCII] (32 - 127)
#	00 10	0000 aaaa		
	00 11	0000 bbbb		
	00 12	0000 cccc		
	00 13	0000 dddd	Reserved	
	00 14	0aaa aaaa	Level	(0 - 127) 0 - 127
#	00 15	0000 aaaa		
	00 16	0000 bbbb	Reserved	
#	00 17	0000 aaaa		
	00 18	0000 bbbb	Reserved	

	00 00 00 19	Total Size		

* [Drum Kit Partial]

Offset	Address	Description		
#	00 00	0000 aaaa		
	00 01	0000 bbbb		
	00 02	0000 cccc		
	00 03	0000 dddd	Inst Number	(0 - 32768) 0 - 32768
	00 04	0000 00aa	Inst Bank	(0 - 2) PRESET, ---, EXP
#	00 05	0000 aaaa		
	00 06	0000 bbbb		
	00 07	0000 cccc		
	00 08	0000 dddd	Inst Group ID	(0 - 16383) 0 - 16383
	00 09	0aaa aaaa	Level	(0 - 127) 0 - 127
	00 0A	0aaa aaaa	Pan	(0 - 127) L64 - 63R
	00 0B	0aaa aaaa	Chorus Send Level	(0 - 127) 0 - 127
	00 0C	0aaa aaaa	Reverb Send Level	(0 - 127) 0 - 127
	00 0D	000a aaaa	Mute Group	(0 - 31) OFF, 1 - 31
	00 0E	0000 0aaa	Output Assign	(0 - 7) DRY, MFX, COMP1, COMP2, COMP3, COMP4, COMP5, COMP6
	00 0F	0aaa aaaa	Key Offset	(40 - 88) -24 - +24
	00 10	0aaa aaaa	Fine Tune Offset	(14 - 114) -50 - 50 [cent]
#	00 11	0000 aaaa		
	00 12	0000 bbbb	TVF Cutoff Offset	(28 - 228) -100 - +100
#	00 13	0000 aaaa		
	00 14	0000 bbbb	TVF Resonance Offset	(28 - 228) -100 - +100
#	00 15	0000 aaaa		
	00 16	0000 bbbb	TVA Attack Time Offset	(28 - 228) -100 - +100
#	00 17	0000 aaaa		
	00 18	0000 bbbb	TVA Decay Time Offset	(28 - 228) -100 - +100
#	00 19	0000 aaaa		
	00 1A	0000 bbbb	TVA Release Time Offset	(28 - 228) -100 - +100

	00 00 00 1B	Total Size		

* [Inst Common]

Offset	Address	Description		
	00 00	0aaa aaaa	Name 1	(32 - 127) 32 - 127 [ASCII]
	00 01	0aaa aaaa	Name 2	(32 - 127) 32 - 127 [ASCII]
	00 02	0aaa aaaa	Name 3	(32 - 127) 32 - 127 [ASCII]

	00 03	0aaa aaaa	Name 4	32 - 127 [ASCII] (32 - 127)
	00 04	0aaa aaaa	Name 5	32 - 127 [ASCII] (32 - 127)
	00 05	0aaa aaaa	Name 6	32 - 127 [ASCII] (32 - 127)
	00 06	0aaa aaaa	Name 7	32 - 127 [ASCII] (32 - 127)
	00 07	0aaa aaaa	Name 8	32 - 127 [ASCII] (32 - 127)
	00 08	0aaa aaaa	Name 9	32 - 127 [ASCII] (32 - 127)
	00 09	0aaa aaaa	Name 10	32 - 127 [ASCII] (32 - 127)
	00 0A	0aaa aaaa	Name 11	32 - 127 [ASCII] (32 - 127)
	00 0B	0aaa aaaa	Name 12	32 - 127 [ASCII] (32 - 127)
	00 0C	0aaa aaaa	Name 13	32 - 127 [ASCII] (32 - 127)
	00 0D	0aaa aaaa	Name 14	32 - 127 [ASCII] (32 - 127)
	00 0E	0aaa aaaa	Name 15	32 - 127 [ASCII] (32 - 127)
	00 0F	0aaa aaaa	Name 16	32 - 127 [ASCII] (32 - 127)
	00 10	000a aaaa	Category	32 - 127 [ASCII] (0 - 21) 0 - 21
	00 11	0aaa aaaa	Level	(0 - 127) 0 - 127
	00 12	0aaa aaaa	Source Key	(0 - 127) 0 - 127
	00 13	0aaa aaaa	Fine Tune	(14 - 114) -50 - 50 [cent]
#	00 14	0000 aaaa		
	00 15	0000 bbbb		
	00 16	0000 cccc		
	00 17	0000 dddd	Random Pitch Depth	(0 - 1200) 0 - 1200 [cent]
	00 18	00aa aaaa	Random Pan Depth	(0 - 63) 0 - 63
	00 19	0aaa aaaa	Alternate Pan Depth	(0 - 127) L64 - 63R
	00 1A	0000 000a	Assign Type	(0 - 1) MULTI, SINGLE
	00 1B	0000 000a	Envelope Mode	(0 - 1) NO-SUS, SUSTAIN
	00 1C	0000 00aa	WMT Velocity Control	(0 - 2) OFF, ON, RANDOM
	00 1D	0000 000a	Wave Switch	(0 - 1) OFF, ON
	00 1E	0000 00aa	Wave Group Type	(0 - 2) INT, EXP, SAMP
#	00 1F	0000 aaaa		
	00 20	0000 bbbb		
	00 21	0000 cccc		
	00 22	0000 dddd	Wave Group ID	(0 - 16383) 0 - 16383
#	00 23	0000 aaaa		
	00 24	0000 bbbb		
	00 25	0000 cccc		
	00 26	0000 dddd	Wave Number L	(0 - 16383) 0 - 16383
#	00 27	0000 aaaa		
	00 28	0000 bbbb		
	00 29	0000 cccc		
	00 2A	0000 dddd	Wave Number R	(0 - 16383) 0 - 16383
	00 2B	0000 0aaa	Wave Gain	(0 - 5) -18, -12, -6, 0, +6, +12[dB]
	00 2C	0000 000a	Wave FXM Switch	(0 - 1) OFF, ON
	00 2D	0000 0aaa	Wave FXM Color	(1 - 4) 1 - 4
	00 2E	000a aaaa	Wave FXM Depth	(0 - 16) 0 - 16
	00 2F	0aaa aaaa	Wave Coarse Tune	(16 - 112) -48 - +48
	00 30	0aaa aaaa	Wave Fine Tune	(14 - 114) -50 - +50
	00 31	0aaa aaaa	Wave Pan	(0 - 127) L64 - 63R
	00 32	0000 000a	Wave Random Pan Sw	(0 - 1) OFF, ON
	00 33	0000 00aa	Wave Alternate Pan Sw	(0 - 2)

	00 34	0aaa aaaa	Wave Level	OFF, ON, REVERSE (0 - 127) 0 - 127
	00 35	0000 00aa	Delay Mode	(0 - 3) NORMAL, HOLD, KEYOFF-NORMAL, KEYOFF-DECAY
	00 36	0000 000a	Delay Time Sync	(0 - 1) OFF, ON
	00 37	000a aaaa	Delay Time (note)	(0 - 21) 1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1T, 1/2., 1, 2T, 1., 2
#	00 38	0000 aaaa		
	00 39	0000 bbbb		
	00 3A	0000 cccc		
	00 3B	0000 dddd	Delay Time	(0 - 1023) 0 - 1023
	00 3C	0aaa aaaa	Velocity Range Lower	(1 - 127) 1 - 127
	00 3D	0aaa aaaa	Velocity Range Upper	(1 - 127) 1 - 127
	00 3E	0aaa aaaa	Velocity Fade Lower	(0 - 127) 0 - 127
	00 3F	0aaa aaaa	Velocity Fade Upper	(0 - 127) 0 - 127
	00 40	0000 000a	Wave Switch	(0 - 1) OFF, ON
#	00 41	0000 00aa	Wave Group Type	(0 - 2) INT, EXP, SAMP
	00 42	0000 aaaa		
	00 43	0000 bbbb		
	00 44	0000 cccc		
	00 45	0000 dddd	Wave Group ID	(0 - 16383) 0 - 16383
#	00 46	0000 aaaa		
	00 47	0000 bbbb		
	00 48	0000 cccc		
	00 49	0000 dddd	Wave Number L	(0 - 16383) 0 - 16383
#	00 4A	0000 aaaa		
	00 4B	0000 bbbb		
	00 4C	0000 cccc		
	00 4D	0000 dddd	Wave Number R	(0 - 16383) 0 - 16383
	00 4E	0000 0aaa	Wave Gain	(0 - 5) -18, -12, -6, 0, +6, +12[dB]
	00 4F	0000 000a	Wave FXM Switch	(0 - 1) OFF, ON
	00 50	0000 0aaa	Wave FXM Color	(1 - 4) 1 - 4
	00 51	000a aaaa	Wave FXM Depth	(0 - 16) 0 - 16
	00 52	0aaa aaaa	Wave Coarse Tune	(16 - 112) -48 - +48
	00 53	0aaa aaaa	Wave Fine Tune	(14 - 114) -50 - +50
	00 54	0aaa aaaa	Wave Pan	(0 - 127) L64 - 63R
	00 55	0000 000a	Wave Random Pan Sw	(0 - 1) OFF, ON
	00 56	0000 00aa	Wave Alternate Pan Sw	(0 - 2) OFF, ON, REVERSE
	00 57	0aaa aaaa	Wave Level	(0 - 127) 0 - 127
	00 58	0000 00aa	Delay Mode	(0 - 3) NORMAL, HOLD, KEYOFF-NORMAL, KEYOFF-DECAY
	00 59	0000 000a	Delay Time Sync	(0 - 1) OFF, ON
	00 5A	000a aaaa	Delay Time (note)	(0 - 21) 1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32., 1/16, 1/8T, 1/16., 1/8, 1/4T, 1/8., 1/4, 1/2T, 1/4., 1/2, 1T, 1/2., 1, 2T, 1., 2
#	00 5B	0000 aaaa		
	00 5C	0000 bbbb		
	00 5D	0000 cccc		
	00 5E	0000 dddd	Delay Time	(0 - 1023) 0 - 1023
	00 5F	0aaa aaaa	Velocity Range Lower	(1 - 127) 1 - 127
	00 60	0aaa aaaa	Velocity Range Upper	(1 - 127) 1 - 127
	00 61	0aaa aaaa	Velocity Fade Lower	(0 - 127) 0 - 127
	00 62	0aaa aaaa	Velocity Fade Upper	(0 - 127) 0 - 127
	00 63	0000 000a	Wave Switch	(0 - 1)

	00 64	0000 00aa	Wave Group Type	OFF, ON (0 - 2) INT, EXP, SAMP
#	00 65	0000 aaaa		
	00 66	0000 bbbb		
	00 67	0000 cccc		
	00 68	0000 dddd	Wave Group ID	(0 - 16383) 0 - 16383
#	00 69	0000 aaaa		
	00 6A	0000 bbbb		
	00 6B	0000 cccc		
	00 6C	0000 dddd	Wave Number L	(0 - 16383) 0 - 16383
#	00 6D	0000 aaaa		
	00 6E	0000 bbbb		
	00 6F	0000 cccc		
	00 70	0000 dddd	Wave Number R	(0 - 16383) 0 - 16383
	00 71	0000 0aaa	Wave Gain	(0 - 5)
	00 72	0000 000a	Wave FXM Switch	-18, -12, -6, 0, +6, +12[dB] (0 - 1)
	00 73	0000 0aaa	Wave FXM Color	OFF, ON (1 - 4)
	00 74	000a aaaa	Wave FXM Depth	1 - 4 (0 - 16) 0 - 16
	00 75	0aaa aaaa	Wave Coarse Tune	(16 - 112) -48 - +48
	00 76	0aaa aaaa	Wave Fine Tune	(14 - 114) -50 - +50
	00 77	0aaa aaaa	Wave Pan	(0 - 127) L64 - 63R
	00 78	0000 000a	Wave Random Pan Sw	(0 - 1)
	00 79	0000 00aa	Wave Alternate Pan Sw	OFF, ON (0 - 2)
	00 7A	0aaa aaaa	Wave Level	OFF, ON, REVERSE (0 - 127) 0 - 127
	00 7B	0000 00aa	Delay Mode	(0 - 3) NORMAL, HOLD, KEYOFF-NORMAL, KEYOFF-DECAY
	00 7C	0000 000a	Delay Time Sync	(0 - 1)
	00 7D	000a aaaa	Delay Time (note)	OFF, ON (0 - 21) 1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32, 1/16, 1/8T, 1/16, 1/8, 1/4T, 1/8, 1/4, 1/2T, 1/4, 1/2, 1T, 1/2, 1, 2T, 1, 2
#	00 7E	0000 aaaa		
	00 7F	0000 bbbb		
	01 00	0000 cccc		
	01 01	0000 dddd	Delay Time	(0 - 1023) 0 - 1023
	01 02	0aaa aaaa	Velocity Range Lower	(1 - 127) 1 - 127
	01 03	0aaa aaaa	Velocity Range Upper	(1 - 127) 1 - 127
	01 04	0aaa aaaa	Velocity Fade Lower	(0 - 127) 0 - 127
	01 05	0aaa aaaa	Velocity Fade Upper	(0 - 127) 0 - 127
	01 06	0000 000a	Wave Switch	(0 - 1)
	01 07	0000 00aa	Wave Group Type	OFF, ON (0 - 2) INT, EXP, SAMP
#	01 08	0000 aaaa		
	01 09	0000 bbbb		
	01 0A	0000 cccc		
	01 0B	0000 dddd	Wave Group ID	(0 - 16383) 0 - 16383
#	01 0C	0000 aaaa		
	01 0D	0000 bbbb		
	01 0E	0000 cccc		
	01 0F	0000 dddd	Wave Number L	(0 - 16383) 0 - 16383
#	01 10	0000 aaaa		
	01 11	0000 bbbb		
	01 12	0000 cccc		
	01 13	0000 dddd	Wave Number R	(0 - 16383) 0 - 16383
	01 14	0000 0aaa	Wave Gain	(0 - 5)
	01 15	0000 000a	Wave FXM Switch	-18, -12, -6, 0, +6, +12[dB] (0 - 1)
	01 16	0000 0aaa	Wave FXM Color	OFF, ON (1 - 4)
	01 17	000a aaaa	Wave FXM Depth	1 - 4 (0 - 16) 0 - 16

	01 18	0aaa aaaa	Wave Coarse Tune	(16 - 112) -48 - +48
	01 19	0aaa aaaa	Wave Fine Tune	(14 - 114) -50 - +50
	01 1A	0aaa aaaa	Wave Pan	(0 - 127) L64 - 63R
	01 1B	0000 000a	Wave Random Pan Sw	(0 - 1) OFF, ON
	01 1C	0000 00aa	Wave Alternate Pan Sw	(0 - 2) OFF, ON, REVERSE
	01 1D	0aaa aaaa	Wave Level	(0 - 127) 0 - 127
	01 1E	0000 00aa	Delay Mode	(0 - 3) NORMAL, HOLD, KEYOFF-NORMAL, KEYOFF-DECAY
	01 1F	0000 000a	Delay Time Sync	(0 - 1) OFF, ON
	01 20	000a aaaa	Delay Time (note)	(0 - 21) 1/64T, 1/64, 1/32T, 1/32, 1/16T, 1/32, 1/16, 1/8T, 1/16, 1/8, 1/4T, 1/8, 1/4, 1/2T, 1/4, 1/2, 1T, 1/2, 1, 2T, 1, 2
#	01 21	0000 aaaa		
	01 22	0000 bbbb		
	01 23	0000 cccc		
	01 24	0000 dddd	Delay Time	(0 - 1023) 0 - 1023
	01 25	0aaa aaaa	Velocity Range Lower	(1 - 127) 1 - 127
	01 26	0aaa aaaa	Velocity Range Upper	(1 - 127) 1 - 127
	01 27	0aaa aaaa	Velocity Fade Lower	(0 - 127) 0 - 127
	01 28	0aaa aaaa	Velocity Fade Upper	(0 - 127) 0 - 127
#	01 29	0000 0aaa	TVF Filter Type	(0 - 6) OFF, LPF, BPF, HPF, PKG, LPF2, LPF3
	01 2A	0000 aaaa		
	01 2B	0000 bbbb		
	01 2C	0000 cccc		
	01 2D	0000 dddd	TVF Cutoff Frequency	(0 - 1023) 0 - 1023
	01 2E	0000 0aaa	TVF Cutoff Velocity Curve	(0 - 7) 0 - 7
#	01 2F	0000 aaaa		
	01 30	0000 bbbb	TVF Cutoff Velocity Sens	(28 - 228) -100 - +100
#	01 31	0000 aaaa		
	01 32	0000 bbbb		
	01 33	0000 cccc		
	01 34	0000 dddd	TVF Resonance	(0 - 1023) 0 - 1023
#	01 35	0000 aaaa		
	01 36	0000 bbbb	TVF Resonance Velocity Sens	(28 - 228) -100 - +100
	01 37	0000 0aaa	TVA Level Velocity Curve	(0 - 7) 0 - 7
#	01 38	0000 aaaa		
	01 39	0000 bbbb	TVA Level Velocity Sens	(28 - 228) -100 - +100
	01 3A	0000 000a	Wave Tempo Sync	(0 - 1) OFF, ON
	00 00 01 3B	Total Size		

* [Tone Synth Common]

Offset	Address	Description		
	00 00	0000 000a	Unison Switch	(0 - 1) OFF, ON
	00 01	0000 aaaa	Unison Size	(2 - 8) 2 - 8
	00 02	0aaa aaaa	Unison Detune	(0 - 100) 0 - 100
	00 03	0aaa aaaa	Bend Range Fine Up	(0 - 100) 0 - 100
	00 04	0aaa aaaa	Bend Range Fine Down	(0 - 100) 0 - 100
#	00 05	0000 aaaa	Reserved	
	00 06	0000 bbbb	Reserved	
	00 07	0000 aaaa	Reserved	
	00 08	0aaa aaaa	Reserved	
	00 00 00 09	Total Size		

* [Tone Synth PMT]

Offset Address	Description	
00 00	0000 0aaa	Structure 1-2 (0 - 4) OFF, SYNC, RING, XMOD, XMOD2
00 01	0000 0aaa	Structure 3-4 (0 - 4) OFF, SYNC, RING, XMOD, XMOD2
00 02	0aaa aaaa	RING 1-2 Level (0 - 127)
00 03	0aaa aaaa	RING 3-4 Level (0 - 127)
00 04	0aaa aaaa	RING OSC 1 Level (0 - 127)
00 05	0aaa aaaa	RING OSC 2 Level (0 - 127)
00 06	0aaa aaaa	RING OSC 3 Level (0 - 127)
00 07	0aaa aaaa	RING OSC 4 Level (0 - 127)
# 00 08	0000 aaaa	Cross Mod 1-2 Depth (0 - 10800) 0 - 10800 [cent]
00 09	0000 bbbb	
00 0A	0000 cccc	
00 0B	0000 dddd	
# 00 0C	0000 aaaa	Cross Mod 3-4 Depth (0 - 10800) 0 - 10800 [cent]
00 0D	0000 bbbb	
00 0E	0000 cccc	
00 0F	0000 dddd	
00 10	0aaa aaaa	Cross Mod OSC 1 Level (0 - 127)
00 11	0aaa aaaa	Cross Mod OSC 2 Level (0 - 127)
00 12	0aaa aaaa	Cross Mod OSC 3 Level (0 - 127)
00 13	0aaa aaaa	Cross Mod OSC 4 Level (0 - 127)
00 14	0000 000a	Partial Phase Lock (0 - 1) OFF, ON
00 15	0aaa aaaa	Cross Mod 2 1-2 Depth (0 - 127)
00 16	0aaa aaaa	Cross Mod 2 3-4 Depth (0 - 127)
00 00 00 17	Total Size	

* [Tone Synth Partial]

Offset Address	Description	
00 00	0000 0aaa	OSC Type (0 - 4) PCM, VA, PCM-Sync, SuperSAW, Noise
00 01	0000 aaaa	Waveform (0 - 8) SAW, SQR, TRI, SIN, RAMP, JUNO, TRI2, TRI3, SIN2
# 00 02	0000 aaaa	PCM-Sync Wave Number (0 - 16383) 0 - 16383
00 03	0000 bbbb	
00 04	0000 cccc	
00 05	0000 dddd	
00 06	0aaa aaaa		Pulse Width (0 - 127)
00 07	0aaa aaaa	PWM Depth (1 - 127) -63 - +63
00 08	0aaa aaaa	SuperSAW Detune (0 - 127)
00 09	0000 00aa	Click Type (0 - 3) SOFT, HARD, NATURAL, OFF
# 00 0A	0000 aaaa	HPF Cutoff (0 - 1023) 0 - 1023
00 0B	0000 bbbb	
00 0C	0000 cccc	
00 0D	0000 dddd	
00 0E	0000 000a	Filter Type (0 - 1) TVF, VCF
00 0F	0000 00aa	Filter Slope (0 - 2) -12, -18, -24 [dB/Oct]
00 10	0000 000a	ADSR Env Switch (0 - 1) OFF, ON
00 11	0aaa aaaa	Fat (0 - 127)
00 12	0000 00aa	VCF Type (0 - 3) 1, 2, 3, 4

#	00 13	0000 aaaa		
	00 14	0000 bbbb	OSC Attenuator	(0 - 255) 0 - 255
	00 15	0aaa aaaa	Cutoff Keyfollow Base Point	(0 - 127) 0 - 127
	00 16	0000 000a	Waveform Invert Switch	(0 - 1) OFF, ON
	00 17	0aaa aaaa	TVF Env Fine Depth	(1 - 127) -63 - +63
	00 18	0000 000a	PENV LFO Trigger Switch	(0 - 1) OFF, ON
	00 19	0000 000a	FENV LFO Trigger Switch	(0 - 1) OFF, ON
	00 1A	0000 000a	AENV LFO Trigger Switch	(0 - 1) OFF, ON
	00 1B	0aaa aaaa	Reserved	
	00 1C	0aaa aaaa	Reserved	
	00 1D	0aaa aaaa	Reserved	
<hr/>				
	00 00 00 1E	Total Size		

* [Drum Kit Comp]

Offset Address	Description			
00 00	0000 000a	Comp Switch	(0 - 1) OFF, ON	
00 01	0aaa aaaa	Comp Attack Time	(0 - 100) 0, 1, 1.2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100[msec]	
00 02	0aaa aaaa	Comp Release Time	(0 - 99) 10 - 1000[msec]	
00 03	0aaa aaaa	Comp Threshold	(4 - 64) -60 - 0[dB]	
00 04	0000 0aaa	Comp Ratio	(0 - 7) 1:1, 2:1, 3:1, 4:1, 8:1, 16:1, 32:1, INF:1	
00 05	000a aaaa	Comp Knee	(0 - 30)	
00 06	0aaa aaaa	Comp Output Gain	0 - 30 [dB] (16 - 112)	
00 07	0000 aaaa	Comp Output Assign	-24.0 - +24.0 [dB] (0 - 2) DRY, MFX, MAIN	
<hr/>				
00 00 00 08	Total Size			

* [MFX]

Offset Address	Description		
00 00	0aaa aaaa	MFX Type	(0 - 93)
00 01	0000 000a	MFX Switch	(0 - 1)
00 02	0aaa aaaa	MFX Chorus Send Level	(0 - 127) 0 - 127
00 03	0aaa aaaa	MFX Reverb Send Level	(0 - 127) 0 - 127
00 04	0aaa aaaa	MFX Control Source 1	(0 - 100) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, PITCH BEND, AFTER TOUCH, SYS-CTRL1, SYS-CTRL2, SYS-CTRL3, SYS-CTRL4
00 05	0aaa aaaa	MFX Control Sens 1	(1 - 127) -63 - +63
00 06	0aaa aaaa	MFX Control Source 2	(0 - 100) OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90,

		CC91, CC92, CC93, CC94, CC95, PITCH BEND, AFTER TOUCH, SYS-CTRL1, SYS-CTRL2, SYS-CTRL3, SYS-CTRL4	
00 07	0aaa aaaa	MFX Control Sens 2	(1 - 127) -63 - +63
00 08	0aaa aaaa	MFX Control Source 3 OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, PITCH BEND, AFTER TOUCH, SYS-CTRL1, SYS-CTRL2, SYS-CTRL3, SYS-CTRL4	(0 - 100)
00 09	0aaa aaaa	MFX Control Sens 3	(1 - 127) -63 - +63
00 0A	0aaa aaaa	MFX Control Source 4 OFF, CC01, CC02, CC03, CC04, CC05, CC06, CC07, CC08, CC09, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17, CC18, CC19, CC20, CC21, CC22, CC23, CC24, CC25, CC26, CC27, CC28, CC29, CC30, CC31, CC33, CC34, CC35, CC36, CC37, CC38, CC39, CC40, CC41, CC42, CC43, CC44, CC45, CC46, CC47, CC48, CC49, CC50, CC51, CC52, CC53, CC54, CC55, CC56, CC57, CC58, CC59, CC60, CC61, CC62, CC63, CC64, CC65, CC66, CC67, CC68, CC69, CC70, CC71, CC72, CC73, CC74, CC75, CC76, CC77, CC78, CC79, CC80, CC81, CC82, CC83, CC84, CC85, CC86, CC87, CC88, CC89, CC90, CC91, CC92, CC93, CC94, CC95, PITCH BEND, AFTER TOUCH, SYS-CTRL1, SYS-CTRL2, SYS-CTRL3, SYS-CTRL4	(0 - 100)
00 0B	0aaa aaaa	MFX Control Sens 4	(1 - 127) -63 - +63
00 0C	0000 aaaa	MFX Control Asgn 1	(0 - 11)
00 0D	0000 aaaa	MFX Control Asgn 2	(0 - 11)
00 0E	0000 aaaa	MFX Control Asgn 3	(0 - 11)
00 0F	0000 aaaa	MFX Control Asgn 4	(0 - 11)
#	00 10	0000 aaaa	
	00 11	0000 bbbb	
	00 12	0000 cccc	
	00 13	0000 dddd	MFX Parameter 1 (12768 - 52768) -20000 - 20000
#	00 14	0000 aaaa	
	00 15	0000 bbbb	
	00 16	0000 cccc	
	00 17	0000 dddd	MFX Parameter 2 (12768 - 52768) -20000 - 20000
#	00 18	0000 aaaa	
	00 19	0000 bbbb	
	00 1A	0000 cccc	
	00 1B	0000 dddd	MFX Parameter 3 (12768 - 52768) -20000 - 20000
#	00 1C	0000 aaaa	
	00 1D	0000 bbbb	
	00 1E	0000 cccc	
	00 1F	0000 dddd	MFX Parameter 4 (12768 - 52768) -20000 - 20000
#	00 20	0000 aaaa	
	00 21	0000 bbbb	
	00 22	0000 cccc	
	00 23	0000 dddd	MFX Parameter 5 (12768 - 52768) -20000 - 20000
#	00 24	0000 aaaa	
	00 25	0000 bbbb	
	00 26	0000 cccc	
	00 27	0000 dddd	MFX Parameter 6 (12768 - 52768) -20000 - 20000
#	00 28	0000 aaaa	
	00 29	0000 bbbb	
	00 2A	0000 cccc	
	00 2B	0000 dddd	MFX Parameter 7 (12768 - 52768) -20000 - 20000
#	00 2C	0000 aaaa	
	00 2D	0000 bbbb	
	00 2E	0000 cccc	
	00 2F	0000 dddd	MFX Parameter 8 (12768 - 52768) -20000 - 20000
#	00 30	0000 aaaa	
	00 31	0000 bbbb	
	00 32	0000 cccc	
	00 33	0000 dddd	MFX Parameter 9 (12768 - 52768) -20000 - 20000
#	00 34	0000 aaaa	
	00 35	0000 bbbb	
	00 36	0000 cccc	
	00 37	0000 dddd	MFX Parameter 10 (12768 - 52768) -20000 - 20000
#	00 38	0000 aaaa	

	00 39	0000	bbbb		
	00 3A	0000	cccc		
	00 3B	0000	dddd	MFX Parameter 11	(12768 - 52768)
#					-20000 - 20000
	00 3C	0000	aaaa		
	00 3D	0000	bbbb		
	00 3E	0000	cccc		
	00 3F	0000	dddd	MFX Parameter 12	(12768 - 52768)
#					-20000 - 20000
	00 40	0000	aaaa		
	00 41	0000	bbbb		
	00 42	0000	cccc		
	00 43	0000	dddd	MFX Parameter 13	(12768 - 52768)
#					-20000 - 20000
	00 44	0000	aaaa		
	00 45	0000	bbbb		
	00 46	0000	cccc		
	00 47	0000	dddd	MFX Parameter 14	(12768 - 52768)
#					-20000 - 20000
	00 48	0000	aaaa		
	00 49	0000	bbbb		
	00 4A	0000	cccc		
	00 4B	0000	dddd	MFX Parameter 15	(12768 - 52768)
#					-20000 - 20000
	00 4C	0000	aaaa		
	00 4D	0000	bbbb		
	00 4E	0000	cccc		
	00 4F	0000	dddd	MFX Parameter 16	(12768 - 52768)
#					-20000 - 20000
	00 50	0000	aaaa		
	00 51	0000	bbbb		
	00 52	0000	cccc		
	00 53	0000	dddd	MFX Parameter 17	(12768 - 52768)
#					-20000 - 20000
	00 54	0000	aaaa		
	00 55	0000	bbbb		
	00 56	0000	cccc		
	00 57	0000	dddd	MFX Parameter 18	(12768 - 52768)
#					-20000 - 20000
	00 58	0000	aaaa		
	00 59	0000	bbbb		
	00 5A	0000	cccc		
	00 5B	0000	dddd	MFX Parameter 19	(12768 - 52768)
#					-20000 - 20000
	00 5C	0000	aaaa		
	00 5D	0000	bbbb		
	00 5E	0000	cccc		
	00 5F	0000	dddd	MFX Parameter 20	(12768 - 52768)
#					-20000 - 20000
	00 60	0000	aaaa		
	00 61	0000	bbbb		
	00 62	0000	cccc		
	00 63	0000	dddd	MFX Parameter 21	(12768 - 52768)
#					-20000 - 20000
	00 64	0000	aaaa		
	00 65	0000	bbbb		
	00 66	0000	cccc		
	00 67	0000	dddd	MFX Parameter 22	(12768 - 52768)
#					-20000 - 20000
	00 68	0000	aaaa		
	00 69	0000	bbbb		
	00 6A	0000	cccc		
	00 6B	0000	dddd	MFX Parameter 23	(12768 - 52768)
#					-20000 - 20000
	00 6C	0000	aaaa		
	00 6D	0000	bbbb		
	00 6E	0000	cccc		
	00 6F	0000	dddd	MFX Parameter 24	(12768 - 52768)
#					-20000 - 20000
	00 70	0000	aaaa		
	00 71	0000	bbbb		
	00 72	0000	cccc		
	00 73	0000	dddd	MFX Parameter 25	(12768 - 52768)
#					-20000 - 20000
	00 74	0000	aaaa		
	00 75	0000	bbbb		
	00 76	0000	cccc		
	00 77	0000	dddd	MFX Parameter 26	(12768 - 52768)
#					-20000 - 20000
	00 78	0000	aaaa		
	00 79	0000	bbbb		
	00 7A	0000	cccc		
	00 7B	0000	dddd	MFX Parameter 27	(12768 - 52768)
#					-20000 - 20000
	00 7C	0000	aaaa		
	00 7D	0000	bbbb		
	00 7E	0000	cccc		

	00 7F	0000 dddd	MFX Parameter 28	(12768 - 52768) -20000 - 20000
#	01 00	0000 aaaa		
	01 01	0000 bbbb		
	01 02	0000 cccc		
	01 03	0000 dddd	MFX Parameter 29	(12768 - 52768) -20000 - 20000
#	01 04	0000 aaaa		
	01 05	0000 bbbb		
	01 06	0000 cccc		
	01 07	0000 dddd	MFX Parameter 30	(12768 - 52768) -20000 - 20000
#	01 08	0000 aaaa		
	01 09	0000 bbbb		
	01 0A	0000 cccc		
	01 0B	0000 dddd	MFX Parameter 31	(12768 - 52768) -20000 - 20000
#	01 0C	0000 aaaa		
	01 0D	0000 bbbb		
	01 0E	0000 cccc		
	01 0F	0000 dddd	MFX Parameter 32	(12768 - 52768) -20000 - 20000
00 00 01 10		Total Size		

* [Reverb]

Offset Address	Description		
00 00	0000 000a	Reverb Switch (0 - 1) OFF, ON	
00 01	0000 aaaa	Reverb Type (0 - 8)	
00 02	0aaa aaaa	Reverb Level (0 - 127)	
#	00 03	0000 aaaa	
	00 04	0000 bbbb	
	00 05	0000 cccc	
	00 06	0000 dddd	Reverb Parameter 1 (12768 - 52768) -20000 - 20000
#	00 07	0000 aaaa	
	00 08	0000 bbbb	
	00 09	0000 cccc	
	00 0A	0000 dddd	Reverb Parameter 2 (12768 - 52768) -20000 - 20000
#	00 0B	0000 aaaa	
	00 0C	0000 bbbb	
	00 0D	0000 cccc	
	00 0E	0000 dddd	Reverb Parameter 3 (12768 - 52768) -20000 - 20000
#	00 0F	0000 aaaa	
	00 10	0000 bbbb	
	00 11	0000 cccc	
	00 12	0000 dddd	Reverb Parameter 4 (12768 - 52768) -20000 - 20000
#	00 13	0000 aaaa	
	00 14	0000 bbbb	
	00 15	0000 cccc	
	00 16	0000 dddd	Reverb Parameter 5 (12768 - 52768) -20000 - 20000
#	00 17	0000 aaaa	
	00 18	0000 bbbb	
	00 19	0000 cccc	
	00 1A	0000 dddd	Reverb Parameter 6 (12768 - 52768) -20000 - 20000
#	00 1B	0000 aaaa	
	00 1C	0000 bbbb	
	00 1D	0000 cccc	
	00 1E	0000 dddd	Reverb Parameter 7 (12768 - 52768) -20000 - 20000
#	00 1F	0000 aaaa	
	00 20	0000 bbbb	
	00 21	0000 cccc	
	00 22	0000 dddd	Reverb Parameter 8 (12768 - 52768) -20000 - 20000
#	00 23	0000 aaaa	
	00 24	0000 bbbb	
	00 25	0000 cccc	
	00 26	0000 dddd	Reverb Parameter 9 (12768 - 52768) -20000 - 20000
#	00 27	0000 aaaa	
	00 28	0000 bbbb	
	00 29	0000 cccc	
	00 2A	0000 dddd	Reverb Parameter 10 (12768 - 52768) -20000 - 20000
#	00 2B	0000 aaaa	
	00 2C	0000 bbbb	

	00 2D	0000 cccc		
	00 2E	0000 dddd	Reverb Parameter 11	(12768 - 52768) -20000 - 20000
#	00 2F	0000 aaaa		
	00 30	0000 bbbb		
	00 31	0000 cccc		
	00 32	0000 dddd	Reverb Parameter 12	(12768 - 52768) -20000 - 20000
#	00 33	0000 aaaa		
	00 34	0000 bbbb		
	00 35	0000 cccc		
	00 36	0000 dddd	Reverb Parameter 13	(12768 - 52768) -20000 - 20000
#	00 37	0000 aaaa		
	00 38	0000 bbbb		
	00 39	0000 cccc		
	00 3A	0000 dddd	Reverb Parameter 14	(12768 - 52768) -20000 - 20000
#	00 3B	0000 aaaa		
	00 3C	0000 bbbb		
	00 3D	0000 cccc		
	00 3E	0000 dddd	Reverb Parameter 15	(12768 - 52768) -20000 - 20000
#	00 3F	0000 aaaa		
	00 40	0000 bbbb		
	00 41	0000 cccc		
	00 42	0000 dddd	Reverb Parameter 16	(12768 - 52768) -20000 - 20000
#	00 43	0000 aaaa		
	00 44	0000 bbbb		
	00 45	0000 cccc		
	00 46	0000 dddd	Reverb Parameter 17	(12768 - 52768) -20000 - 20000
#	00 47	0000 aaaa		
	00 48	0000 bbbb		
	00 49	0000 cccc		
	00 4A	0000 dddd	Reverb Parameter 18	(12768 - 52768) -20000 - 20000
#	00 4B	0000 aaaa		
	00 4C	0000 bbbb		
	00 4D	0000 cccc		
	00 4E	0000 dddd	Reverb Parameter 19	(12768 - 52768) -20000 - 20000
#	00 4F	0000 aaaa		
	00 50	0000 bbbb		
	00 51	0000 cccc		
	00 52	0000 dddd	Reverb Parameter 20	(12768 - 52768) -20000 - 20000
	00 00 00 53	Total Size		

* [Chorus]

	Offset Address		Description	
	00 00	0000 000a	Chorus Switch	(0 - 1) OFF, ON
	00 01	0000 aaaa	Chorus Type	(0 - 10)
	00 02	0aaa aaaa	Chorus Level	(0 - 127)
	00 03	0aaa aaaa	Reverb Send Level	(0 - 127)
#	00 04	0000 aaaa		
	00 05	0000 bbbb		
	00 06	0000 cccc		
	00 07	0000 dddd	Chorus Parameter 1	(12768 - 52768) -20000 - 20000
#	00 08	0000 aaaa		
	00 09	0000 bbbb		
	00 0A	0000 cccc		
	00 0B	0000 dddd	Chorus Parameter 2	(12768 - 52768) -20000 - 20000
#	00 0C	0000 aaaa		
	00 0D	0000 bbbb		
	00 0E	0000 cccc		
	00 0F	0000 dddd	Chorus Parameter 3	(12768 - 52768) -20000 - 20000
#	00 10	0000 aaaa		
	00 11	0000 bbbb		
	00 12	0000 cccc		
	00 13	0000 dddd	Chorus Parameter 4	(12768 - 52768) -20000 - 20000
#	00 14	0000 aaaa		
	00 15	0000 bbbb		
	00 16	0000 cccc		
	00 17	0000 dddd	Chorus Parameter 5	(12768 - 52768) -20000 - 20000

#	00 18	0000 aaaa		
	00 19	0000 bbbb		
	00 1A	0000 cccc		
	00 1B	0000 dddd	Chorus Parameter 6	(12768 - 52768) -20000 - 20000
#	00 1C	0000 aaaa		
	00 1D	0000 bbbb		
	00 1E	0000 cccc		
	00 1F	0000 dddd	Chorus Parameter 7	(12768 - 52768) -20000 - 20000
#	00 20	0000 aaaa		
	00 21	0000 bbbb		
	00 22	0000 cccc		
	00 23	0000 dddd	Chorus Parameter 8	(12768 - 52768) -20000 - 20000
#	00 24	0000 aaaa		
	00 25	0000 bbbb		
	00 26	0000 cccc		
	00 27	0000 dddd	Chorus Parameter 9	(12768 - 52768) -20000 - 20000
#	00 28	0000 aaaa		
	00 29	0000 bbbb		
	00 2A	0000 cccc		
	00 2B	0000 dddd	Chorus Parameter 10	(12768 - 52768) -20000 - 20000
#	00 2C	0000 aaaa		
	00 2D	0000 bbbb		
	00 2E	0000 cccc		
	00 2F	0000 dddd	Chorus Parameter 11	(12768 - 52768) -20000 - 20000
#	00 30	0000 aaaa		
	00 31	0000 bbbb		
	00 32	0000 cccc		
	00 33	0000 dddd	Chorus Parameter 12	(12768 - 52768) -20000 - 20000
#	00 34	0000 aaaa		
	00 35	0000 bbbb		
	00 36	0000 cccc		
	00 37	0000 dddd	Chorus Parameter 13	(12768 - 52768) -20000 - 20000
#	00 38	0000 aaaa		
	00 39	0000 bbbb		
	00 3A	0000 cccc		
	00 3B	0000 dddd	Chorus Parameter 14	(12768 - 52768) -20000 - 20000
#	00 3C	0000 aaaa		
	00 3D	0000 bbbb		
	00 3E	0000 cccc		
	00 3F	0000 dddd	Chorus Parameter 15	(12768 - 52768) -20000 - 20000
#	00 40	0000 aaaa		
	00 41	0000 bbbb		
	00 42	0000 cccc		
	00 43	0000 dddd	Chorus Parameter 16	(12768 - 52768) -20000 - 20000
#	00 44	0000 aaaa		
	00 45	0000 bbbb		
	00 46	0000 cccc		
	00 47	0000 dddd	Chorus Parameter 17	(12768 - 52768) -20000 - 20000
#	00 48	0000 aaaa		
	00 49	0000 bbbb		
	00 4A	0000 cccc		
	00 4B	0000 dddd	Chorus Parameter 18	(12768 - 52768) -20000 - 20000
#	00 4C	0000 aaaa		
	00 4D	0000 bbbb		
	00 4E	0000 cccc		
	00 4F	0000 dddd	Chorus Parameter 19	(12768 - 52768) -20000 - 20000
#	00 50	0000 aaaa		
	00 51	0000 bbbb		
	00 52	0000 cccc		
	00 53	0000 dddd	Chorus Parameter 20	(12768 - 52768) -20000 - 20000
00 00 00 54		Total Size		

* [Vocoder]

Offset Address	Description
00 00 | 0000 000a	Switch (0 - 1) OFF, ON
00 01 | 0000 00aa	Vocoder Type (0 - 2)

#	00 02	0000	aaaa		
	00 03	0000	bbbb		
	00 04	0000	cccc		
	00 05	0000	dddd	Vocoder Parameter 1	(12768 - 52768) -20000 - 20000
#	00 06	0000	aaaa		
	00 07	0000	bbbb		
	00 08	0000	cccc		
	00 09	0000	dddd	Vocoder Parameter 2	(12768 - 52768) -20000 - 20000
#	00 0A	0000	aaaa		
	00 0B	0000	bbbb		
	00 0C	0000	cccc		
	00 0D	0000	dddd	Vocoder Parameter 3	(12768 - 52768) -20000 - 20000
#	00 0E	0000	aaaa		
	00 0F	0000	bbbb		
	00 10	0000	cccc		
	00 11	0000	dddd	Vocoder Parameter 4	(12768 - 52768) -20000 - 20000
#	00 12	0000	aaaa		
	00 13	0000	bbbb		
	00 14	0000	cccc		
	00 15	0000	dddd	Vocoder Parameter 5	(12768 - 52768) -20000 - 20000
#	00 16	0000	aaaa		
	00 17	0000	bbbb		
	00 18	0000	cccc		
	00 19	0000	dddd	Vocoder Parameter 6	(12768 - 52768) -20000 - 20000
#	00 1A	0000	aaaa		
	00 1B	0000	bbbb		
	00 1C	0000	cccc		
	00 1D	0000	dddd	Vocoder Parameter 7	(12768 - 52768) -20000 - 20000
#	00 1E	0000	aaaa		
	00 1F	0000	bbbb		
	00 20	0000	cccc		
	00 21	0000	dddd	Vocoder Parameter 8	(12768 - 52768) -20000 - 20000
#	00 22	0000	aaaa		
	00 23	0000	bbbb		
	00 24	0000	cccc		
	00 25	0000	dddd	Vocoder Parameter 9	(12768 - 52768) -20000 - 20000
#	00 26	0000	aaaa		
	00 27	0000	bbbb		
	00 28	0000	cccc		
	00 29	0000	dddd	Vocoder Parameter 10	(12768 - 52768) -20000 - 20000
#	00 2A	0000	aaaa		
	00 2B	0000	bbbb		
	00 2C	0000	cccc		
	00 2D	0000	dddd	Vocoder Parameter 11	(12768 - 52768) -20000 - 20000
#	00 2E	0000	aaaa		
	00 2F	0000	bbbb		
	00 30	0000	cccc		
	00 31	0000	dddd	Vocoder Parameter 12	(12768 - 52768) -20000 - 20000
#	00 32	0000	aaaa		
	00 33	0000	bbbb		
	00 34	0000	cccc		
	00 35	0000	dddd	Vocoder Parameter 13	(12768 - 52768) -20000 - 20000
#	00 36	0000	aaaa		
	00 37	0000	bbbb		
	00 38	0000	cccc		
	00 39	0000	dddd	Vocoder Parameter 14	(12768 - 52768) -20000 - 20000
#	00 3A	0000	aaaa		
	00 3B	0000	bbbb		
	00 3C	0000	cccc		
	00 3D	0000	dddd	Vocoder Parameter 15	(12768 - 52768) -20000 - 20000
#	00 3E	0000	aaaa		
	00 3F	0000	bbbb		
	00 40	0000	cccc		
	00 41	0000	dddd	Vocoder Parameter 16	(12768 - 52768) -20000 - 20000
#	00 42	0000	aaaa		
	00 43	0000	bbbb		
	00 44	0000	cccc		
	00 45	0000	dddd	Vocoder Parameter 17	(12768 - 52768) -20000 - 20000
#	00 46	0000	aaaa		
	00 47	0000	bbbb		

	00 48	0000 cccc	Vocoder Parameter 18	(12768 - 52768) -20000 - 20000
	00 49	0000 dddd		
#	00 4A	0000 aaaa	Vocoder Parameter 19	(12768 - 52768) -20000 - 20000
	00 4B	0000 bbbb		
	00 4C	0000 cccc		
	00 4D	0000 dddd		
#	00 4E	0000 aaaa	Vocoder Parameter 20	(12768 - 52768) -20000 - 20000
	00 4F	0000 bbbb		
	00 50	0000 cccc		
	00 51	0000 dddd		
00 00 00 52		Total Size		

4. Supplementary Material

■ Decimal and Hexadecimal Table

(An "H" is appended to the end of numbers in hexadecimal notation.)

In MIDI documentation, data values and addresses/sizes of Exclusive messages, etc. are expressed as hexadecimal values for each 7 bits. The following table shows how these correspond to decimal numbers.

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

D: decimal

H: hexadecimal

* Decimal values such as MIDI channel, bank select, and program change are listed as one greater than the values given in the above table.

* A 7-bit byte can express data in the range of 128 steps. For data where greater precision is required, we must use two or more bytes. For example, two hexadecimal numbers aa bbH expressing two 7-bit bytes would indicate a value of $aa \times 128 + bb$.

* In the case of values which have a +/- sign, 00H = -64, 40H = +/-0, and 7FH = +63, so that the decimal expression would be 64 less than the value given in the above chart. In the case of two types, 00 00H = -8192, 40 00H = +/-0, and 7F 7FH = +8191. For example, if aa bbH were expressed as decimal, this would be $aa \times 128 + bb - 40 \times 128 = aa \times 128 + bb - 64 \times 128$.

* Data marked "Use nibbled data" is expressed in hexadecimal in 4-bit units. A value expressed as a 2-byte nibble 0a 0bH has the value of $a \times 16 + b$.

<Example1> What is the decimal expression of 5AH?
From the preceding table, 5AH = 90

<Example2> What is the decimal expression of the value 12 34H given as hexadecimal for each 7 bits?
From the preceding table, since 12H = 18 and 34H = 52
 $18 \times 128 + 52 = 2356$

<Example3> What is the decimal expression of the nibbled value 0A 03 09 0D?
From the preceding table, since 0AH = 10, 03H = 3, 09H = 9, 0DH = 13
 $((10 \times 16 + 3) \times 16 + 9) \times 16 + 13 = 41885$

<Example4> What is the nibbled expression of the decimal value 1258?

```

16 ) 1258
16 ) 78 ... 10
16 ) 4 ... 14
-----
0 ... 4

```

Since from the preceding table, 0 = 00H, 4 = 04H, 14 = 0EH, 10 = 0AH, the result is: 00 04 0E 0AH.

■ Examples of Actual MIDI Messages

<Example1> 92 3E 5F

9n is the Note-on status, and n is the MIDI channel number. Since 2H = 2, 3EH = 62, and 5FH = 95, this is a Note-on message with MIDI CH = 3, note number 62 (note name is D4), and velocity 95.

<Example2> CE 49

CnH is the Program Change status, and n is the MIDI channel number. Since EH = 14 and 49H = 73, this is a Program Change message with MIDI CH = 15, program number 74.

<Example3> EA 00 28

EnH is the Pitch Bend Change status, and n is the MIDI channel number. The 2nd byte (00H = 0) is the LSB and the 3rd byte (28H = 40) is the MSB, but Pitch Bend Value is a signed number in which 40 00H (= 64 x 12+80 = 8192) is 0, so this Pitch Bend Value is 28 00H - 40 00H = 40 x 12+80 - (64 x 12+80) = 5120 - 8192 = -3072

If the Pitch Bend Sensitivity is set to 2 semitones, -8192 (00 00H) will cause the pitch to change 200 cents, so in this case -200 x (-3072) / (-8192) = -75 cents of Pitch Bend is being applied to MIDI channel 11.

<Example4> B3 64 00 65 00 06 0C 26 00 64 7F 65 7F

BnH is the Control Change status, and n is the MIDI channel number. For Control Changes, the 2nd byte is the control number, and the 3rd byte is the value. In a case in which two or more messages consecutive messages have the same status, MIDI has a provision called "running status" which allows the status byte of the second and following messages to be omitted. Thus, the above messages have the following meaning.

```

B3 64 00  MIDI ch. 4, lower byte of RPN parameter number: 00H
(B3) 65 00  (MIDI ch. 4) upper byte of RPN parameter number: 00H
(B3) 06 0C  (MIDI ch. 4) upper byte of parameter value: 0CH
(B3) 26 00  (MIDI ch. 4) lower byte of parameter value: 00H
(B3) 64 7F  (MIDI ch. 4) lower byte of RPN parameter number: 7FH
(B3) 65 7F  (MIDI ch. 4) upper byte of RPN parameter number: 7FH

```

In other words, the above messages specify a value of 0C 00H for RPN parameter number 00 00H on MIDI channel 4, and then set the RPN parameter number to 7F 7FH.

RPN parameter number 00 00H is Pitch Bend Sensitivity, and the MSB of the value indicates semitone units, so a value of 0CH = 12 sets the maximum pitch bend range to +/-12 semitones (1 octave). (On GS sound generators the LSB of Pitch Bend Sensitivity is ignored, but the LSB should be transmitted anyway (with a value of 0) so that operation will be correct on any device.)

Once the parameter number has been specified for RPN or NRPN, all Data Entry messages transmitted on that same channel will be valid, so after the desired value has been transmitted, it is a good idea to set the parameter number to 7F 7FH to prevent accidents. This is the reason for the (B3) 64 7F (B3) 65 7F at the end.

It is not desirable for performance data (such as Standard MIDI File data) to contain many events with running status as given in <Example 4>. This is because if playback is halted during the song and then rewound or fast-forwarded, the sequencer may not be able to transmit the correct status, and the sound generator will then misinterpret the data. Take care to give each event its own status.

It is also necessary that the RPN or NRPN parameter number setting and the value setting be done in the proper order. On some sequencers, events occurring in the same (or consecutive) clock may be transmitted in an order different than the order in which they were received. For this reason it is a good idea to slightly skew the time of each event (about 1 tick for TPQN = 96, and about 5 ticks for TPQN = 480).

* TPQN: Ticks Per Quarter Note

■ Example of an Exclusive Message and Calculating a Checksum

Roland Exclusive messages (RQ1, DT1) are transmitted with a checksum at the end (before F7) to make sure that the message was correctly received. The value of the checksum is determined by the address and data (or size) of the transmitted Exclusive message.

● How to calculate the checksum

(hexadecimal numbers are indicated by "H")

The checksum is a value derived by adding the address, size, and checksum itself and inverting the lower 7 bits.

Here's an example of how the checksum is calculated. We will assume that in the Exclusive message we are transmitting, the address is aabbccddH and the data or size is eeffH.

```

aa + bb + cc + dd + ee + ff = sum
sum / 128 = quotient ... remainder
128 - remainder = checksum

```

<Example> Setting scene level to 74 (DT1)

According to the "Parameter Address Map", the start address of Temporary Scene is 01 00 00 00H, the offset address of Scene Common is 00 00 00H, and the address of Scene Level is 00 11H. Therefore the address is:

```

01 00 00 00H
+ 00 00 00H
+ 00 11H

```

01 00 00 11H

Level 74 of the Scene has the value of 4AH. So the system exclusive message should be sent is:

F0 41 10 01 05 0A 12 01 00 00 11 4A ?? F7
 (1) (2) (3) (4) (5) address data checksum (6)

(1) Exclusive Status (2) ID (Roland) (3) Device ID (17)
 (4) Model ID (JUNO-D) (5) Command ID (DT1) (6) End of Exclusive

Then calculate the checksum.

01H + 00H + 00H + 11H + 4AH = 1 + 0 + 0 + 17 + 74 = 92 (sum)
 92 (sum) / 128 = 0 (quotient) ... 92 (remainder)
 checksum = 128 - 92 (remainder) = 36 = 24H

This means that F0 41 10 01 05 0A 12 01 00 00 11 4A 24 F7 is the message should be sent.

■ASCII Code Table
 Scene Name and Tone Name, etc., of MIDI data are described the ASCII code in the table below.

D	H	Char	D	H	Char	D	H	Char
32	20H	SP	64	40H	@	96	60H	`
33	21H	!	65	41H	A	97	61H	a
34	22H	"	66	42H	B	98	62H	b
35	23H	#	67	43H	C	99	63H	c
36	24H	\$	68	44H	D	100	64H	d
37	25H	%	69	45H	E	101	65H	e
38	26H	&	70	46H	F	102	66H	f
39	27H	'	71	47H	G	103	67H	g
40	28H	(	72	48H	H	104	68H	h
41	29H	)	73	49H	I	105	69H	i
42	2AH	*	74	4AH	J	106	6AH	j
43	2BH	+	75	4BH	K	107	6BH	k
44	2CH	,	76	4CH	L	108	6CH	l
45	2DH	-	77	4DH	M	109	6DH	m
46	2EH	.	78	4EH	N	110	6EH	n
47	2FH	/	79	4FH	O	111	6FH	o
48	30H	0	80	50H	P	112	70H	p
49	31H	1	81	51H	Q	113	71H	q
50	32H	2	82	52H	R	114	72H	r
51	33H	3	83	53H	S	115	73H	s
52	34H	4	84	54H	T	116	74H	t
53	35H	5	85	55H	U	117	75H	u
54	36H	6	86	56H	V	118	76H	v
55	37H	7	87	57H	W	119	77H	w
56	38H	8	88	58H	X	120	78H	x
57	39H	9	89	59H	Y	121	79H	y
58	3AH	:	90	5AH	Z	122	7AH	z
59	3BH	;	91	5BH	[	123	7BH	{
60	3CH	<	92	5CH	¥	124	7CH	|
61	3DH	=	93	5DH	]	125	7DH	}
62	3EH	>	94	5EH	^			
63	3FH	?	95	5FH	_			

D: decimal
 H: hexadecimal

* "SP" is space.

