

MIDI Implementation

Model: GT-1000
Date: September 05, 2018
Version: 1.20

1. Recognized data

If "MENU:MIDI:MIDI SETTING:MIDI IN THRU" and "MENU:MIDI:MIDI SETTING:USB IN THRU" are set to anything other than "OFF," the received message will be transmitted as it is.

[*]Channel Voice Message

These messages are received if the "MENU:MIDI:MIDI SETTING:RX CHANNEL" setting matches the MIDI channel number of the incoming message.

(*)Control Change

(-)Bank Select

Status	2nd Byte	3rd Byte
BnH	00H	mmH
BnH	20H	00H

n = MIDI Channel Number: 0H ? FH (0 - 15) 0=ch.1 15=ch.16

mm = Bank Number (MSB) : 00H - 02H (0 - 2)

* After this unit starts up, it operates with 00H as the bank number until a bank select message is received.

(-)Control Change Number #1 - #31 (MSB), #33 - #63 (LSB), #64 - #95

Status	2nd Byte	3rd Byte
BnH	ccH	vvH

n = MIDI Channel Number: 0H ? FH (0 - 15) 0=ch.1 15=ch.16

cc = Control Change Number: 01H - 1FH (MSB), 20H - 3FH (LSB), 40H - 5FH (1 - 31, 32 - 63, 64-95)

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

* Recognized if the "MENU:ASSIGN SETTING:SOURCE" setting is CC#1 - #31 or CC#64 - #95.

Target value = (parameter min) + (((cc value) - (ACT LOW)) * (parameter range)) / ((ACT HIGH) - (ACT LOW))

(*)Program Change

Status	2nd Byte
CnH	ppH

n = MIDI Channel Number : 0H - FH (0 - 15) 0 = ch.1, 15 = ch.16

pp = Program Number : 00H - 7FH (0 - 127)

* This message switches to the patch that is specified by "MENU:MIDI:PROGRAM MAP."

[*]System Realtime Messages

(*)Timing Clock

Status
F8H

* Recognized if the "MENU:MIDI:MIDI SETTING:SYNC CLOCK" setting is other than INTERNAL.

(*)Active Sensing

Status
FEH

* When an Active Sensing message is received, the interval of all subsequent messages will begin to be monitored.

When the message interval is being monitored, and the interval exceeds 400 ms, the display indicates "MIDI OFFLINE" and the unit returns to a state in which message interval is not monitored.

[*]System Exclusive Messages

Status	Data Byte	Status
F0H,	iiH, dev, ddH, ..., eeH,	F7H

Byte	Explanation
F0H:	System Exclusive Message status
iiH:	ID number
41H:	Roland's manufacturer ID
7EH:	Universal Non-realtime message
dev:	Device ID (dev: 00H-1FH, 7FH) * 7FH = Broadcast
dd,...,ee = data:	00H-7FH(0-127)
F7H:	EOX (End of Exclusive)

(*)Universal Non-Realtime System Exclusive Messages

(-)Identity Request Message (Device Inquiry)

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

Byte	Explanation
F0H:	System Exclusive Message status
7EH:	Universal Non-realtime Message
dev:	Device ID (dev: 00H-1FH, 7FH) * 7FH = Broadcast
06H:	Sub ID # 1 (General Information)
01H:	Sub ID # 2 (Identity Request)
F7H:	EOX (End of Exclusive)

When this message is received, this unit transmits the prescribed identity reply message (see transmitted data).

(*)One Way Communication

(-)Request Data 1 RQ1 (11H)

Status	Data Byte
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F0H,	41H, dev, 00H, 00H, 00H, 4FH, 11H, aaH, bbH, ccH, ddH, ssH, ttH, uuH, vvH, sum, F7H
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Byte	Explanation
F0H:	System Exclusive Message status
41H:	Manufacturer ID (Roland)
dev:	Device ID (00H-1FH, 7FH) * 7FH = Broadcast
00H:	Model ID # 1 (GT-1000)
00H:	Model ID # 2 (GT-1000)
00H:	Model ID # 3 (GT-1000)
4FH:	Model ID # 4 (GT-1000)
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)

(-)Data Set 1 DT1 (12H)

Status	Data Byte
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F0H,	41H, dev, 00H, 00H, 00H, 4FH, 12H, aaH, bbH, ccH, ddH, eeH, ... hhH, sum, F7H
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Byte	Explanation
F0H:	System Exclusive Message status
41H:	Manufacturer ID (Roland)
dev:	Device ID (00H-1FH, 7FH) * 7FH = Broadcast
00H:	Model ID # 1 (GT-1000)
00H:	Model ID # 2 (GT-1000)
00H:	Model ID # 3 (GT-1000)
4FH:	Model ID # 4 (GT-1000)
12H:	Command ID (DT1)
aaH:	Address MSB
bbH:	Address
ccH:	Address
ddH:	Address LSB
eeH:	Data
:	
ffH:	Data
sum:	Checksum
F7H:	EOX (End of Exclusive)

2. Transmitted data

[*]Channel Voice Messages

* Set the channel voice message transmit MIDI channel number to "MENU:MIDI:MIDI SETTING:TX CHANNEL."

(*)Control Change

(-)Bank Select

Status	2nd Byte	3rd Byte
BnH	00H	mmH
BnH	20H	11H

n = MIDI Channel Number: 0H - FH (0 - 15) 0=ch.1 15=ch.16

mm = Bank Number (MSB): 00H - 7FH (0 - 127)

11 = Bank Number (LSB): 00H - 7FH (0 - 127)

(-)Control Change Number #0 - #127

Status	2nd Byte	3rd Byte
BnH	ccH	vvH

n = MIDI Channel Number: 0H - FH (0 - 15) 0=ch.1 15=ch.16

cc = Control Change Number: 01H - 7FH (0 - 127)

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

* When you operate a controller, the CC# specified by "MENU:MIDI:MIDI SETTING:NUM1 CC# - EXP3 CC#" is transmitted.

* You can send the CC# messages by setting ASSIGN.

(*)Program Change

Status	2nd Byte
CnH	ppH

n = MIDI Channel Number: 0H - FH (0 - 15) 0 = ch.1 15 = ch.16

pp = Program Number: 00H - 7FH (0 - 127)

* Depending on the setting of the "MENU:CONTROL/ASSIGN:PATCH MIDI," this message is transmitted when you switch patches.

[*]System Realtime Message

(*)Timing Clock

Status
F8H

* If both "MENU:MIDI:MIDI SETTING:SYNC CLOCK" = INTERNAL and "MENU:MIDI:MIDI SETTING:CLOCK OUT" = ON, this message is transmitted at intervals corresponding to the tempo.

* If the "MENU:MIDI:SYNC LOCK" setting is other than INTERNAL, this message is transmitted when timing clock messages corresponding to the setting are received.

(*)Start

Status
FAH

* This is transmitted at the time of controller operation when "MENU:CONTROL ASSIGN:CONTROL FUNCTION:***" is set to "MIDI START."

(*)Stop
Status
FCH

* This is transmitted at the time of controller operation when "MENU:CONTROL
ASSIGN:CONTROL FUNCTION:***" is set to "MIDI START."

(*)Active Sensing
Status
FEH

* This message is always transmitted at intervals of approximately 250 ms.

[*]System Exclusive Message
Status Data Byte Status
F0H, 41H, ddH, ..., eeH, F7H

Byte Explanation
F0H: System Exclusive Message status
41H: Roland's manufacturer ID
dd, ..., ee = data: 00H-7FH(0-127)
F7H: EOX (End of Exclusive)

(*)Universal Non-realtime System Exclusive Message

(-)Identity Reply Message
Status Data Byte Status
F0H, 7EH, dev, 06H, 02H, 41H, 4FH, 03H, 00H, 00H, nnH, 00H, 01H, 00H, F7

Byte Explanation
F0H: System Exclusive Message status
7EH: ID Number (Universal Non-realtime Message)
dev: Device ID (dev: 00H - 1FH)
06H: Sub ID # 1 (General Information)
02H: Sub ID # 2 (Identity Reply)
41H: Roland's manufacturer ID
4FH, 03H: Device family code (GT-1000)
00H, 00H: Device family number code LSB, MSB
nnH: Software revision level # 1 (GT-1000: 00H, GT-1000L: 01H)
00H: Software revision level # 2
01H: Software revision level # 3
00H: Software revision level # 4
F7H: EOX (End of Exclusive)

* This message is transmitted when an identity request message is received.

(*)MIDI Machine Control Command STOP (MCS)
Status Data Byte Status
F0H, 7FH, Dev, 06H, 01H, F7H

Byte Explanation
F0H: Exclusive status
7FH: Universal System Exclusive Realtime Header
Dev: Device ID (7FH)
06H: MMC command message
01H: STOP (MCS)
F7H: EOX (End of Exclusive)

* This is transmitted at the time of controller operation when "MENU:CONTROL
ASSIGN:CONTROL FUNCTION:***" is set to "MMC PLAY."

(*)MIDI Machine Control Command PLAY (MCS)
Status Data Byte Status
F0H, 7FH, Dev, 06H, 03H, F7H

Byte Explanation
F0H: Exclusive status
7FH: Universal System Exclusive Realtime Header
Dev: Device ID (7FH)
06H: MMC command message
02H: PLAY (MCS)
F7H: EOX (End of Exclusive)

* This is transmitted at the time of controller operation when "MENU:CONTROL
ASSIGN:CONTROL FUNCTION:***" is set to "MMC PLAY."

(*)One Way Communication

(-)Data Set 1 DT1 (12H)
Status Data Byte Status
F0H, 41H, dev, 00H, 00H, 00H, 4FH, 12H, aaH, bbH, ccH, ddH, eeH, ... hhH, sum, F7H

Byte Explanation
F0H: System Exclusive Message status
41H: Roland's manufacturer ID
dev: Device ID (00H-1FH)
00H: Model ID # 1 (GT-1000)
00H: Model ID # 2 (GT-1000)
00H: Model ID # 3 (GT-1000)
4FH: Model ID # 4 (GT-1000)
12H: Command ID (DT1)
aaH: Address MSB
bbH: Address
ccH: Address
ddH: Address LSB
eeH: Data
:
ffH: Data
sum: Checksum
F7H: EOX (End of Exclusive)

3. System Exclusive Address Map

GT-1000 (Model ID : 00H 00H 00H 4FH)

Document

Start Address	Description	
00 00 00 00	common	[SystemCommon]
00 00 10 00	control	[SystemControl]
00 00 30 00	midi	[SystemMidi]
00 00 40 00	inout	[SystemInOut]
00 00 50 00	efct	[SystemEfct]
00 00 60 00	pitch	[SystemPitch]
00 10 00 00	bank1	[PcmapPc]
00 10 04 00	bank2	[PcmapPc]
00 10 08 00	bank3	[PcmapPc]
00 10 0C 00	bank4	[PcmapPc]
00 20 01 00	efct	[SetupEfct]
10 00 00 00	patch	[Patch]
20 00 00 00	patch 1 (user patch)	[Patch]
20 01 00 00	patch 2	[Patch]
:	:	:
21 79 00 00	patch 250	[Patch]
30 00 00 00	patch 1 (preset patch, read only)	[Patch]
30 01 00 00	patch 2	[Patch]
:	:	:
30 09 00 00	patch 10	[Patch]
30 0A 00 00	common 1	[StompBoxCommon]
30 0B 00 00	common 2	[StompBoxCommon]
:	:	:
30 13 00 00	common 10	[StompBoxCommon]

* [Patch]

Offset Address	Description	
00 00 00	common	[PatchCommon]
00 01 00	stompBox	[PatchStompBox]
00 02 00	led	[PatchLed]
00 03 00	assign 1	[Assign]
00 03 40	assign 2	[Assign]
:	:	:
00 0A 40	assign 16	[Assign]
00 10 00	efct	[PatchEfct]
00 12 00	comp	[PatchComp]
00 13 00	dist1	[PatchDist1]
00 14 00	dist2	[PatchDist2]
00 15 00	preampA	[PatchPreampA]
00 16 00	preampB	[PatchPreampB]
00 17 00	ns1	[PatchNs1]
00 18 00	ns2	[PatchNs2]
00 19 00	eq1	[PatchEq1]
00 1A 00	eq2	[PatchEq2]
00 1B 00	eq3	[PatchEq3]
00 1C 00	eq4	[PatchEq4]
00 1D 00	delay1	[PatchDelay1]
00 1E 00	delay2	[PatchDelay2]
00 1F 00	delay3	[PatchDelay3]
00 20 00	delay4	[PatchDelay4]
00 21 00	mstDelay	[PatchMstDelay]
00 22 00	chorus	[PatchChorus]
00 23 00	fx1	[PatchFx1]
00 24 00	fx1AGSim	[PatchFx1AGSim]
00 25 00	fx1AcReso	[PatchFx1AcReso]
00 26 00	fx1AWah	[PatchFx1AWah]

Offset	Address	Description
00 27 00	fx1Chorus	[PatchFx1Chorus]
00 28 00	fx1CVibe	[PatchFx1CVibe]
00 29 00	fx1Comp	[PatchFx1Comp]
00 2A 00	fx1Defretter	[PatchFx1Defretter]
00 2B 00	fx1Feedbacker	[PatchFx1Feedbacker]
00 2C 00	fx1Flanger	[PatchFx1Flanger]
00 2D 00	fx1Harmonist	[PatchFx1Harmonist]
00 2E 00	fx1Humanizer	[PatchFx1Humanizer]
00 2F 00	fx1Octave	[PatchFx1Octave]
00 30 00	fx1Over tone	[PatchFx1Over tone]
00 31 00	fx1Pan	[PatchFx1Pan]
00 32 00	fx1Phaser	[PatchFx1Phaser]
00 33 00	fx1PitchShift	[PatchFx1PitchShift]
00 34 00	fx1RingMod	[PatchFx1RingMod]
00 35 00	fx1Rotary	[PatchFx1Rotary]
00 36 00	fx1SitarSim	[PatchFx1SitarSim]
00 37 00	fx1Slicer	[PatchFx1Slicer]
00 38 00	fx1SlowGear	[PatchFx1SlowGear]
00 39 00	fx1SoundHold	[PatchFx1SoundHold]
00 3A 00	fx1SBend	[PatchFx1SBend]
00 3B 00	fx1Tremolo	[PatchFx1Tremolo]
00 3C 00	fx1TWah	[PatchFx1TWah]
00 3D 00	fx1Vibrato	[PatchFx1Vibrato]
00 3E 00	fx2	[PatchFx2]
00 3F 00	fx2AGSim	[PatchFx2AGSim]
00 40 00	fx2AcReso	[PatchFx2AcReso]
00 41 00	fx2AWah	[PatchFx2AWah]
00 42 00	fx2Chorus	[PatchFx2Chorus]
00 43 00	fx2CVibe	[PatchFx2CVibe]
00 44 00	fx2Comp	[PatchFx2Comp]
00 45 00	fx2Defretter	[PatchFx2Defretter]
00 46 00	fx2Feedbacker	[PatchFx2Feedbacker]
00 47 00	fx2Flanger	[PatchFx2Flanger]
00 48 00	fx2Harmonist	[PatchFx2Harmonist]
00 49 00	fx2Humanizer	[PatchFx2Humanizer]
00 4A 00	fx2Octave	[PatchFx2Octave]
00 4B 00	fx2Over tone	[PatchFx2Over tone]
00 4C 00	fx2Pan	[PatchFx2Pan]
00 4D 00	fx2Phaser	[PatchFx2Phaser]
00 4E 00	fx2PitchShift	[PatchFx2PitchShift]
00 4F 00	fx2RingMod	[PatchFx2RingMod]
00 50 00	fx2Rotary	[PatchFx2Rotary]
00 51 00	fx2SitarSim	[PatchFx2SitarSim]
00 52 00	fx2Slicer	[PatchFx2Slicer]
00 53 00	fx2SlowGear	[PatchFx2SlowGear]
00 54 00	fx2SoundHold	[PatchFx2SoundHold]
00 55 00	fx2SBend	[PatchFx2SBend]
00 56 00	fx2Tremolo	[PatchFx2Tremolo]
00 57 00	fx2TWah	[PatchFx2TWah]
00 58 00	fx2Vibrato	[PatchFx2Vibrato]
00 59 00	fx3	[PatchFx3]
00 5A 00	fx3AGSim	[PatchFx3AGSim]
00 5B 00	fx3AcReso	[PatchFx3AcReso]

Offset	Address	Description
00 5C 00	fx3AWah	[PatchFx3AWah]
00 5D 00	fx3Chorus	[PatchFx3Chorus]
00 5E 00	fx3CVibe	[PatchFx3CVibe]
00 5F 00	fx3Comp	[PatchFx3Comp]
00 60 00	fx3Defretter	[PatchFx3Defretter]
00 61 00	fx3Feedbacker	[PatchFx3Feedbacker]
00 62 00	fx3Flanger	[PatchFx3Flanger]
00 63 00	fx3Harmonist	[PatchFx3Harmonist]
00 64 00	fx3Humanizer	[PatchFx3Humanizer]
00 65 00	fx3Octave	[PatchFx3Octave]
00 66 00	fx3Over tone	[PatchFx3Over tone]
00 67 00	fx3Pan	[PatchFx3Pan]
00 68 00	fx3Phaser	[PatchFx3Phaser]
00 69 00	fx3PitchShift	[PatchFx3PitchShift]
00 6A 00	fx3RingMod	[PatchFx3RingMod]
00 6B 00	fx3Rotary	[PatchFx3Rotary]
00 6C 00	fx3SitarSim	[PatchFx3SitarSim]
00 6D 00	fx3Slicer	[PatchFx3Slicer]
00 6E 00	fx3SlowGear	[PatchFx3SlowGear]
00 6F 00	fx3SoundHold	[PatchFx3SoundHold]
00 70 00	fx3SBend	[PatchFx3SBend]
00 71 00	fx3Tremolo	[PatchFx3Tremolo]
00 72 00	fx3TWah	[PatchFx3TWah]
00 73 00	fx3Vibrato	[PatchFx3Vibrato]
00 74 00	reverb	[PatchReverb]
00 75 00	pedalFx	[PatchPedalFx]

* [StompBoxCommon]

Offset	Address	Description
00 00 00	name 1 (Comp)	[StompBoxName]
00 01 00	name 2 (Dist)	[StompBoxName]
00 02 00	name 3 (Preamp)	[StompBoxName]
00 03 00	name 4 (Ns)	[StompBoxName]
00 04 00	name 5 (Eq)	[StompBoxName]
00 05 00	name 6 (Delay)	[StompBoxName]
00 06 00	name 7 (MstDelay)	[StompBoxName]
00 07 00	name 8 (Chorus)	[StompBoxName]
00 08 00	name 9 (FxAGSim)	[StompBoxName]
00 09 00	name 10 (FxAcReso)	[StompBoxName]
00 0A 00	name 11 (FxAWah)	[StompBoxName]
00 0B 00	name 12 (FxChorus)	[StompBoxName]
00 0C 00	name 13 (FxCVibe)	[StompBoxName]
00 0D 00	name 14 (FxComp)	[StompBoxName]
00 0E 00	name 15 (FxDefretter)	[StompBoxName]
00 0F 00	name 16 (FxFeedbacker)	[StompBoxName]
00 10 00	name 17 (FxFlanger)	[StompBoxName]
00 11 00	name 18 (FxHarmonist)	[StompBoxName]
00 12 00	name 19 (FxHumanizer)	[StompBoxName]
00 13 00	name 20 (FxOctave)	[StompBoxName]
00 14 00	name 21 (FxOver tone)	[StompBoxName]
00 15 00	name 22 (FxPan)	[StompBoxName]
00 16 00	name 23 (FxPhaser)	[StompBoxName]
00 17 00	name 24 (FxPitchShift)	[StompBoxName]
00 18 00	name 25 (FxRingMod)	[StompBoxName]
00 19 00	name 26 (FxRotary)	[StompBoxName]
00 1A 00	name 27 (FxSitarSim)	[StompBoxName]
00 1B 00	name 28 (FxSlicer)	[StompBoxName]
00 1C 00	name 29 (FxSlowGear)	[StompBoxName]
00 1D 00	name 30 (FxSoundHold)	[StompBoxName]
00 1E 00	name 31 (FxSBend)	[StompBoxName]
00 1F 00	name 32 (FxTWah)	[StompBoxName]
00 20 00	name 33 (FxTremolo)	[StompBoxName]
00 21 00	name 34 (FxVibrato)	[StompBoxName]
00 22 00	name 35 (Reverb)	[StompBoxName]
00 23 00	name 36 (PedalFx)	[StompBoxName]
00 24 00	name 37 (Divider)	[StompBoxName]

* [SystemCommon]

Offset	Address	Description
#	00 00	0000 aaaa
	00 01	0000 bbbb
	00 02	0000 cccc
	00 03	0000 dddd Patch Number (0 - 499) U01-1, U50-5, P01-1 - P50-5
	00 04	0000 000a TUNER MODE (0 - 1) NORMAL, STREAM
	00 05	0000 00aa Tuner Type (0 - 2) MONO/POLY, MONO, POLY
	00 06	0000 000a BANK CHANGE MODE (0 - 1) WAIT, IMMED
	00 07	0aaa aaaa BANK EXTENT MIN (0 - 99) U01 - U50, P01 - P50
	00 08	0aaa aaaa BANK EXTENT MAX (0 - 99) U01 - U50, P01 - P50
		"BANK EXTENT MIN" and "BANK EXTENT MAX" are pair parameters. The DT1 to each parameter is temporarily suspended, and the DT1 to the pair parameter final address automatically checks the pending parameters, and if there is no problem, the value is set. If the value is incomplete it will not be set. Parameters before set are read out for the RQ1 to pending parameters. Pending values can not be read.
#	00 09	0000 aaaa
	00 0A	0000 bbbb
	00 0B	0000 cccc
	00 0C	0000 dddd METRONOME BPM (200 - 2500) 20.0 - 250.0
	00 0D	000a aaaa METRONOME BEAT (0 - 31) 1/1, 2/1, 3/1, 4/1, 5/1, 6/1, 7/1, 8/1, 1/2, 2/2, 3/2, 4/2, 5/2, 6/2, 7/2, 8/2, 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 8/4, 1/8, 2/8, 3/8, 4/8, 5/8, 6/8, 7/8, 8/8
	00 0E	0000 0000 N/A(fixed value) (0)
	00 0F	0000 00aa AMP CTL1 (0 - 2) LATCH, PULSE, INVERT
	00 10	0000 00aa AMP CTL2 (0 - 2) LATCH, PULSE, INVERT
	00 11	0000 000a EXP1 HOLD (0 - 1) OFF, ON
	00 12	0000 000a EXP2 HOLD (0 - 1) OFF, ON
	00 13	0000 000a EXP3 HOLD (0 - 1) OFF, ON
	00 14	0000 0000 N/A(fixed value) (0)
	00 15	0000 000a AUTO OFF (0 - 1) OFF, ON
	00 16	0000 000a LED LUMINANCE (0 - 1) LOW, HIGH
	00 17	0000 000a N/A(fixed value) (1)
	00 18	0000 000a KNOB LOCK (0 - 1) OFF, ON
#	00 19	0000 aaaa
	00 1A	0000 bbbb
	00 1B	0000 cccc
	00 1C	0000 dddd KNOB1 SETTING (0 - 1024) *1
#	00 1D	0000 aaaa
	00 1E	0000 bbbb
	00 1F	0000 cccc
	00 20	0000 dddd KNOB2 SETTING (0 - 1024) *1
#	00 21	0000 aaaa
	00 22	0000 bbbb
	00 23	0000 cccc
	00 24	0000 dddd KNOB3 SETTING (0 - 1024) *1
#	00 25	0000 aaaa
	00 26	0000 bbbb
	00 27	0000 cccc
	00 28	0000 dddd KNOB4 SETTING (0 - 1024) *1
#	00 29	0000 aaaa
	00 2A	0000 bbbb
	00 2B	0000 cccc
	00 2C	0000 dddd KNOB5 SETTING (0 - 1024) *1
#	00 2D	0000 aaaa
	00 2E	0000 bbbb
	00 2F	0000 cccc
	00 30	0000 dddd KNOB6 SETTING (0 - 1024) *1
	00 00 00 31	Total Size

*1 KNOB SETTING TABLE

#	KEY CATE	KEY TARGET
0	COMPRESSOR	ON OFF
1	COMPRESSOR	TYPE
2	COMPRESSOR	SUATAIN
3	COMPRESSOR	ATTACK
4	COMPRESSOR	TONE
5	COMPRESSOR	RATIO
6	COMPRESSOR	LEVEL
7	COMPRESSOR	DIRECT MIX
8	DISTORTION 1	ON OFF

#	KEY CATE	KEY TARGET
9	DISTORTION 1	TYPE
10	DISTORTION 1	DRIVE
11	DISTORTION 1	TONE
12	DISTORTION 1	BOTTOM
13	DISTORTION 1	LEVEL
14	DISTORTION 1	DIRECT MIX
15	DISTORTION 1	SOLO SW
16	DISTORTION 1	SOLO LEVEL
17	DISTORTION 2	ON OFF
18	DISTORTION 2	TYPE
19	DISTORTION 2	DRIVE
20	DISTORTION 2	TONE
21	DISTORTION 2	BOTTOM
22	DISTORTION 2	LEVEL
23	DISTORTION 2	DIRECT MIX
24	DISTORTION 2	SOLO SW
25	DISTORTION 2	SOLO LEVEL
26	AIRD PREAMP 1	ON OFF
27	AIRD PREAMP 1	TYPE
28	AIRD PREAMP 1	GAIN
29	AIRD PREAMP 1	SAG
30	AIRD PREAMP 1	RESONANCE
31	AIRD PREAMP 1	BASS
32	AIRD PREAMP 1	MIDDLE
33	AIRD PREAMP 1	TREBLE
34	AIRD PREAMP 1	PRESENCE
35	AIRD PREAMP 1	BRIGHT
36	AIRD PREAMP 1	LEVEL
37	AIRD PREAMP 1	GAIN SW
38	AIRD PREAMP 1	SOLO SW
39	AIRD PREAMP 1	SOLO LEVEL
40	AIRD PREAMP 2	ON OFF
41	AIRD PREAMP 2	TYPE
42	AIRD PREAMP 2	GAIN
43	AIRD PREAMP 2	SAG
44	AIRD PREAMP 2	RESONANCE
45	AIRD PREAMP 2	BASS
46	AIRD PREAMP 2	MIDDLE
47	AIRD PREAMP 2	TREBLE
48	AIRD PREAMP 2	PRESENCE
49	AIRD PREAMP 2	BRIGHT
50	AIRD PREAMP 2	LEVEL
51	AIRD PREAMP 2	GAIN SW
52	AIRD PREAMP 2	SOLO SW
53	AIRD PREAMP 2	SOLO LEVEL
54	NOISE SUPPRESSOR 1	ON OFF
55	NOISE SUPPRESSOR 1	THRESHOLD
56	NOISE SUPPRESSOR 1	RELEASE
57	NOISE SUPPRESSOR 1	DETECT
58	NOISE SUPPRESSOR 2	ON OFF
59	NOISE SUPPRESSOR 2	THRESHOLD
60	NOISE SUPPRESSOR 2	RELEASE
61	NOISE SUPPRESSOR 2	DETECT
62	EQUALIZER 1	ON OFF
63	EQUALIZER 1	TYPE
64	EQUALIZER 1 PEQ	LOW GAIN
65	EQUALIZER 1 PEQ	HIGH GAIN
66	EQUALIZER 1 PEQ	LOW MID FREQ
67	EQUALIZER 1 PEQ	LOW MID Q
68	EQUALIZER 1 PEQ	LOW MID GAIN
69	EQUALIZER 1 PEQ	HIGH MID FREQ
70	EQUALIZER 1 PEQ	HIGH MID Q
71	EQUALIZER 1 PEQ	HIGH MID GAIN
72	EQUALIZER 1 PEQ	LEVEL
73	EQUALIZER 1 PEQ	LOW CUT
74	EQUALIZER 1 PEQ	HIGH CUT
75	EQUALIZER 1 GEQ	31 5Hz
76	EQUALIZER 1 GEQ	63Hz
77	EQUALIZER 1 GEQ	125Hz
78	EQUALIZER 1 GEQ	250Hz
79	EQUALIZER 1 GEQ	500Hz
80	EQUALIZER 1 GEQ	1kHz
81	EQUALIZER 1 GEQ	2kHz
82	EQUALIZER 1 GEQ	4kHz
83	EQUALIZER 1 GEQ	8kHz
84	EQUALIZER 1 GEQ	16kHz
85	EQUALIZER 1 GEQ	LEVEL
86	EQUALIZER 2	ON OFF
87	EQUALIZER 2	TYPE
88	EQUALIZER 2 PEQ	LOW GAIN
89	EQUALIZER 2 PEQ	HIGH GAIN
90	EQUALIZER 2 PEQ	LOW MID FREQ
91	EQUALIZER 2 PEQ	LOW MID Q
92	EQUALIZER 2 PEQ	LOW MID GAIN
93	EQUALIZER 2 PEQ	HIGH MID FREQ
94	EQUALIZER 2 PEQ	HIGH MID Q
95	EQUALIZER 2 PEQ	HIGH MID GAIN
96	EQUALIZER 2 PEQ	LEVEL
97	EQUALIZER 2 PEQ	LOW CUT
98	EQUALIZER 2 PEQ	HIGH CUT
99	EQUALIZER 2 GEQ	31 5Hz
100	EQUALIZER 2 GEQ	63Hz
101	EQUALIZER 2 GEQ	125Hz
102	EQUALIZER 2 GEQ	250Hz
103	EQUALIZER 2 GEQ	500Hz
104	EQUALIZER 2 GEQ	1kHz
105	EQUALIZER 2 GEQ	2kHz
106	EQUALIZER 2 GEQ	4kHz
107	EQUALIZER 2 GEQ	8kHz
108	EQUALIZER 2 GEQ	16kHz
109	EQUALIZER 2 GEQ	LEVEL
110	EQUALIZER 3	ON OFF
111	EQUALIZER 3	TYPE
112	EQUALIZER 3 PEQ	LOW GAIN
113	EQUALIZER 3 PEQ	HIGH GAIN
114	EQUALIZER 3 PEQ	LOW MID FREQ

#	KEY CATE	KEY TARGET
115	EQUALIZER 3 PEQ	LOW MID Q
116	EQUALIZER 3 PEQ	LOW MID GAIN
117	EQUALIZER 3 PEQ	HIGH MID FREQ
118	EQUALIZER 3 PEQ	HIGH MID Q
119	EQUALIZER 3 PEQ	HIGH MID GAIN
120	EQUALIZER 3 PEQ	LEVEL
121	EQUALIZER 3 PEQ	LOW CUT
122	EQUALIZER 3 PEQ	HIGH CUT
123	EQUALIZER 3 GEQ	31 5Hz
124	EQUALIZER 3 GEQ	63Hz
125	EQUALIZER 3 GEQ	125Hz
126	EQUALIZER 3 GEQ	250Hz
127	EQUALIZER 3 GEQ	500Hz
128	EQUALIZER 3 GEQ	1kHz
129	EQUALIZER 3 GEQ	2kHz
130	EQUALIZER 3 GEQ	4kHz
131	EQUALIZER 3 GEQ	8kHz
132	EQUALIZER 3 GEQ	16kHz
133	EQUALIZER 3 GEQ	LEVEL
134	EQUALIZER 4	ON OFF
135	EQUALIZER 4	TYPE
136	EQUALIZER 4 PEQ	LOW GAIN
137	EQUALIZER 4 PEQ	HIGH GAIN
138	EQUALIZER 4 PEQ	LOW MID FREQ
139	EQUALIZER 4 PEQ	LOW MID Q
140	EQUALIZER 4 PEQ	LOW MID GAIN
141	EQUALIZER 4 PEQ	HIGH MID FREQ
142	EQUALIZER 4 PEQ	HIGH MID Q
143	EQUALIZER 4 PEQ	HIGH MID GAIN
144	EQUALIZER 4 PEQ	LEVEL
145	EQUALIZER 4 PEQ	LOW CUT
146	EQUALIZER 4 PEQ	HIGH CUT
147	EQUALIZER 4 GEQ	31 5Hz
148	EQUALIZER 4 GEQ	63Hz
149	EQUALIZER 4 GEQ	125Hz
150	EQUALIZER 4 GEQ	250Hz
151	EQUALIZER 4 GEQ	500Hz
152	EQUALIZER 4 GEQ	1kHz
153	EQUALIZER 4 GEQ	2kHz
154	EQUALIZER 4 GEQ	4kHz
155	EQUALIZER 4 GEQ	8kHz
156	EQUALIZER 4 GEQ	16kHz
157	EQUALIZER 4 GEQ	LEVEL
158	DELAY 1	ON OFF
159	DELAY 1	TIME
160	DELAY 1	FEEDBACK
161	DELAY 1	HIGH CUT
162	DELAY 1	EFFECT LEVEL
163	DELAY 1	DIRECT LEVEL
164	DELAY 2	ON OFF
165	DELAY 2	TIME
166	DELAY 2	FEEDBACK
167	DELAY 2	HIGH CUT
168	DELAY 2	EFFECT LEVEL
169	DELAY 2	DIRECT LEVEL
170	DELAY 3	ON OFF
171	DELAY 3	TIME
172	DELAY 3	FEEDBACK
173	DELAY 3	HIGH CUT
174	DELAY 3	EFFECT LEVEL
175	DELAY 3	DIRECT LEVEL
176	DELAY 4	ON OFF
177	DELAY 4	TIME
178	DELAY 4	FEEDBACK
179	DELAY 4	HIGH CUT
180	DELAY 4	EFFECT LEVEL
181	DELAY 4	DIRECT LEVEL
182	MASTER DELAY	ON OFF
183	MASTER DELAY	TYPE
184	MASTER DELAY	TIME
185	MASTER DELAY	FEEDBACK
186	MASTER DELAY	HIGH CUT
187	MASTER DELAY	EFFECT LEVEL
188	MASTER DELAY	DIRECT LEVEL
189	MASTER DELAY	MOD RATE
190	MASTER DELAY	MOD DEPTH
191	MASTER DELAY	DUCK SENS
192	MASTER DELAY	DUCK PRE DEPTH
193	MASTER DELAY	DUCK POST DEPTH
194	MASTER DELAY TAPE	HEAD
195	MASTER DELAY SHIMMER	PITCH
196	MASTER DELAY SHIMMER	PITCH BAL
197	MASTER DELAY SHIMMER	PITCH FEEDBACK
198	MASTER DELAY DUAL	MODE
199	MASTER DELAY DUAL	D1 TYPE
200	MASTER DELAY DUAL	D1 TIME
201	MASTER DELAY DUAL	D1 FEEDBACK
202	MASTER DELAY DUAL	D1 HIGH CUT
203	MASTER DELAY DUAL	D1 EFFECT LEVEL
204	MASTER DELAY DUAL	D2 TYPE
205	MASTER DELAY DUAL	D2 TIME
206	MASTER DELAY DUAL	D2 FEEDBACK
207	MASTER DELAY DUAL	D2 HIGH CUT
208	MASTER DELAY DUAL	D2 EFFECT LEVEL
209	MASTER DELAY	TRIGGER
210	MASTER DELAY TWIST	MODE
211	MASTER DELAY TWIST	RISE TIME
212	MASTER DELAY TWIST	FALL TIME
213	MASTER DELAY	LEVEL
214	CHORUS	ON OFF
215	CHORUS	TYPE
216	CHORUS	RATE
217	CHORUS	DEPTH
218	CHORUS	PRE DELAY
219	CHORUS	WAVEFORM
220	CHORUS	LOW CUT

#	KEY CATE	KEY TARGET
221	CHORUS	HIGH CUT
222	CHORUS	EFFECT LEVEL
223	CHORUS	DIRECT LEVEL
224	CHORUS DUAL	RATE 1
225	CHORUS DUAL	DEPTH 1
226	CHORUS DUAL	PRE DELAY 1
227	CHORUS DUAL	WAVEFORM 1
228	CHORUS DUAL	LOW CUT 1
229	CHORUS DUAL	HIGH CUT 1
230	CHORUS DUAL	EFFECT LEVEL 1
231	CHORUS DUAL	RATE 2
232	CHORUS DUAL	DEPTH 2
233	CHORUS DUAL	PRE DELAY 2
234	CHORUS DUAL	WAVEFORM 2
235	CHORUS DUAL	LOW CUT 2
236	CHORUS DUAL	HIGH CUT 2
237	CHORUS DUAL	EFFECT LEVEL 2
238	FX 1	ON OFF
239	FX 1	TYPE
240	FX 1 AC GUITAR SIM	BODY
241	FX 1 AC GUITAR SIM	LOW
242	FX 1 AC GUITAR SIM	HIGH
243	FX 1 AC GUITAR SIM	LEVEL
244	FX 1 AC RESONANCE	TYPE
245	FX 1 AC RESONANCE	RESONANCE
246	FX 1 AC RESONANCE	tone
247	FX 1 AC RESONANCE	LEVEL
248	FX 1 AUTO WAH	FILTER MODE
249	FX 1 AUTO WAH	RATE
250	FX 1 AUTO WAH	DEPTH
251	FX 1 AUTO WAH	FREQUENCY
252	FX 1 AUTO WAH	RESONANCE
253	FX 1 AUTO WAH	WAVEFORM
254	FX 1 AUTO WAH	EFFECT LEVEL
255	FX 1 AUTO WAH	DIRECT MIX
256	FX 1 CHORUS	TYPE
257	FX 1 CHORUS	RATE
258	FX 1 CHORUS	DEPTH
259	FX 1 CHORUS	PRE DELAY
260	FX 1 CHORUS	WAVEFORM
261	FX 1 CHORUS	LOW CUT
262	FX 1 CHORUS	HIGH CUT
263	FX 1 CHORUS	EFFECT LEVEL
264	FX 1 CHORUS	DIRECT LEVEL
265	FX 1 CHORUS DUAL	RATE 1
266	FX 1 CHORUS DUAL	DEPTH 1
267	FX 1 CHORUS DUAL	PRE DELAY 1
268	FX 1 CHORUS DUAL	WAVEFORM 1
269	FX 1 CHORUS DUAL	LOW CUT 1
270	FX 1 CHORUS DUAL	HIGH CUT 1
271	FX 1 CHORUS DUAL	EFFECT LEVEL 1
272	FX 1 CHORUS DUAL	RATE 2
273	FX 1 CHORUS DUAL	DEPTH 2
274	FX 1 CHORUS DUAL	PRE DELAY 2
275	FX 1 CHORUS DUAL	WAVEFORM 2
276	FX 1 CHORUS DUAL	LOW CUT 2
277	FX 1 CHORUS DUAL	HIGH CUT 2
278	FX 1 CHORUS DUAL	EFFECT LEVEL 2
279	FX 1 CHORUS	OUTPUT MODE
280	FX 1 CHORUS PRIME	SWEETNESS
281	FX 1 CHORUS PRIME	BELL
282	FX 1 CHORUS CE1	PREAMP SW
283	FX 1 CHORUS CE1	PREAMP GAIN
284	FX 1 CHORUS CE1	PREAMP LEVEL
285	FX 1 CLASSIC VIBE	MODE
286	FX 1 CLASSIC VIBE	RATE
287	FX 1 CLASSIC VIBE	DEPTH
288	FX 1 CLASSIC VIBE	EFFECT LEVEL
289	FX 1 COMPRESSOR	TYPE
290	FX 1 COMPRESSOR	SUATAIN
291	FX 1 COMPRESSOR	ATTACK
292	FX 1 COMPRESSOR	tone
293	FX 1 COMPRESSOR	RATIO
294	FX 1 COMPRESSOR	LEVEL
295	FX 1 COMPRESSOR	DIRECT MIX
296	FX 1 DEFRETTER	SENS
297	FX 1 DEFRETTER	DEPTH
298	FX 1 DEFRETTER	tone
299	FX 1 DEFRETTER	ATTACK
300	FX 1 DEFRETTER	RESONANCE
301	FX 1 DEFRETTER	EFFECT LEVEL
302	FX 1 DEFRETTER	DIRECT MIX
303	FX 1 FEEDBACKER	MODE
304	FX 1 FEEDBACKER	TRIGGER
305	FX 1 FEEDBACKER	DEPTH
306	FX 1 FEEDBACKER	RISE TIME
307	FX 1 FEEDBACKER	OCTAVE RISE TIME
308	FX 1 FEEDBACKER	FEEDBACK
309	FX 1 FEEDBACKER	OCTAVE FEEDBACK
310	FX 1 FEEDBACKER	VIB RATE
311	FX 1 FEEDBACKER	VIB DEPTH
312	FX 1 FLANGER	RATE
313	FX 1 FLANGER	DEPTH
314	FX 1 FLANGER	RESONANCE
315	FX 1 FLANGER	MANUAL
316	FX 1 FLANGER	TURBO
317	FX 1 FLANGER	WAVEFORM
318	FX 1 FLANGER	STEPRATE
319	FX 1 FLANGER	SEPARATION
320	FX 1 FLANGER	LOW DAMP
321	FX 1 FLANGER	HIGH DAMP
322	FX 1 FLANGER	LOW CUT
323	FX 1 FLANGER	HIGH CUT
324	FX 1 FLANGER	EFFECT LEVEL
325	FX 1 FLANGER	DIRECT MIX
326	FX 1 HARMONIST	VOICE

#	KEY CATE	KEY TARGET
327	FX 1 HARMONIST	HR1 HARMONY
328	FX 1 HARMONIST	HR1 PRE DELAY
329	FX 1 HARMONIST	HR1 FEEDBACK
330	FX 1 HARMONIST	HR1 LEVEL
331	FX 1 HARMONIST	HR2 HARMONY
332	FX 1 HARMONIST	HR2 PRE DELAY
333	FX 1 HARMONIST	HR2 LEVEL
334	FX 1 HARMONIST	DIRECT LEVEL
335	FX 1 HUMANIZER	MODE
336	FX 1 HUMANIZER	VOWEL1
337	FX 1 HUMANIZER	VOWEL2
338	FX 1 HUMANIZER	SENS
339	FX 1 HUMANIZER	RATE
340	FX 1 HUMANIZER	DEPTH
341	FX 1 HUMANIZER	MANUAL
342	FX 1 HUMANIZER	LEVEL
343	FX 1 OCTAVE	TYPE
344	FX 1 OCTAVE	2OCT
345	FX 1 OCTAVE	1OCT
346	FX 1 OCTAVE	DIRECT LEVEL
347	FX 1 OCTAVE	RANGE
348	FX 1 OCTAVE	POLY OCTAVE LEVEL
349	FX 1 OVERTONE	LOWER LEVEL
350	FX 1 OVERTONE	UPPER LEVEL
351	FX 1 OVERTONE	UNISON LEVEL
352	FX 1 OVERTONE	DIRECT LEVEL
353	FX 1 OVERTONE	DETUNE
354	FX 1 OVERTONE	LOW
355	FX 1 OVERTONE	HIGH
356	FX 1 OVERTONE	OUTPUT MODE
357	FX 1 PAN	RATE
358	FX 1 PAN	DEPTH
359	FX 1 PAN	WAVEFORM
360	FX 1 PAN	EFFECT LEVEL
361	FX 1 PAN	DIRECT MIX
362	FX 1 PHASER	TYPE
363	FX 1 PHASER	STAGE
364	FX 1 PHASER	RATE
365	FX 1 PHASER	DEPTH
366	FX 1 PHASER	RESONANCE
367	FX 1 PHASER	MANUAL
368	FX 1 PHASER	WAVEFORM
369	FX 1 PHASER	STEP RATE
370	FX 1 PHASER	BI PHASE
371	FX 1 PHASER	SEPARATION
372	FX 1 PHASER	LOW DAMP
373	FX 1 PHASER	HIGH DAMP
374	FX 1 PHASER	LOW CUT
375	FX 1 PHASER	HIGH CUT
376	FX 1 PHASER	EFFECT LEVEL
377	FX 1 PHASER	DIRECT MIX
378	FX 1 PITCH SHIFTER	VOICE
379	FX 1 PITCH SHIFTER	PS1 PITCH
380	FX 1 PITCH SHIFTER	PS1 MODE
381	FX 1 PITCH SHIFTER	PS1 FINE
382	FX 1 PITCH SHIFTER	PS1 PRE DELAY
383	FX 1 PITCH SHIFTER	PS1 FEEDBACK
384	FX 1 PITCH SHIFTER	PS1 LEVEL
385	FX 1 PITCH SHIFTER	PS2 PITCH
386	FX 1 PITCH SHIFTER	PS2 MODE
387	FX 1 PITCH SHIFTER	PS2 FINE
388	FX 1 PITCH SHIFTER	PS2 PRE DELAY
389	FX 1 PITCH SHIFTER	PS2 LEVEL
390	FX 1 PITCH SHIFTER	DIRECT LEVEL
391	FX 1 RING MOD	INTELLIGENT
392	FX 1 RING MOD	FREQUENCY
393	FX 1 RING MOD	FREQ MOD RATE
394	FX 1 RING MOD	FREQ MOD DEPTH
395	FX 1 RING MOD	EFFECT LEVEL
396	FX 1 RING MOD	DIRECT MIX
397	FX 1 ROTARY	SPEED SELECT
398	FX 1 ROTARY	SLOW RATE
399	FX 1 ROTARY	FAST RATE
400	FX 1 ROTARY	RISE TIME
401	FX 1 ROTARY	FALL TIME
402	FX 1 ROTARY	MIC DISTANCE
403	FX 1 ROTARY	ROTOR HORN
404	FX 1 ROTARY	DRIVE
405	FX 1 ROTARY	EFFECT LEVEL
406	FX 1 ROTARY	DIRECT MIX
407	FX 1 SITAR SIM	SENS
408	FX 1 SITAR SIM	DEPTH
409	FX 1 SITAR SIM	tone
410	FX 1 SITAR SIM	RESONANCE
411	FX 1 SITAR SIM	BUZZ
412	FX 1 SITAR SIM	EFFECT LEVEL
413	FX 1 SITAR SIM	DIRECT MIX
414	FX 1 SLICER	PATTERN
415	FX 1 SLICER	RATE
416	FX 1 SLICER	TRIGGER
417	FX 1 SLICER	ATTACK
418	FX 1 SLICER	DUTY
419	FX 1 SLICER	EFFECT LEVEL
420	FX 1 SLICER	DIRECT MIX
421	FX 1 SLOW GEAR	SENS
422	FX 1 SLOW GEAR	RISE TIME
423	FX 1 SLOW GEAR	LEVEL
424	FX 1 SOUND HOLD	TRIGGER
425	FX 1 SOUND HOLD	RISE TIME
426	FX 1 SOUND HOLD	LEVEL
427	FX 1 S BEND	TRIGGER
428	FX 1 S BEND	PITCH
429	FX 1 S BEND	RISE TIME
430	FX 1 S BEND	FALL TIME
431	FX 1 TREMOLO	RATE
432	FX 1 TREMOLO	DEPTH

#	KEY CATE	KEY TARGET
433	FX 1 TREMOLO	WAVEFORM
434	FX 1 TREMOLO	TRIGGER
435	FX 1 TREMOLO	RISE TIME
436	FX 1 TREMOLO	EFFECT LEVEL
437	FX 1 TREMOLO	DIRECT MIX
438	FX 1 TOUCH WAH	FILTER MODE
439	FX 1 TOUCH WAH	POLARITY
440	FX 1 TOUCH WAH	SENS
441	FX 1 TOUCH WAH	FREQUENCY
442	FX 1 TOUCH WAH	RESONANCE
443	FX 1 TOUCH WAH	DECAY
444	FX 1 TOUCH WAH	EFFECT LEVEL
445	FX 1 TOUCH WAH	DIRECT MIX
446	FX 1 VIBRATO	RATE
447	FX 1 VIBRATO	DEPTH
448	FX 1 VIBRATO	COLOR
449	FX 1 VIBRATO	TRIGGER
450	FX 1 VIBRATO	RISE TIME
451	FX 1 VIBRATO	EFFECT LEVEL
452	FX 1 VIBRATO	DIRECT MIX
453	FX 2	ON OFF
454	FX 2	TYPE
455	FX 2 AC GUITAR SIM	BODY
456	FX 2 AC GUITAR SIM	LOW
457	FX 2 AC GUITAR SIM	HIGH
458	FX 2 AC GUITAR SIM	LEVEL
459	FX 2 AC RESONANCE	TYPE
460	FX 2 AC RESONANCE	RESONANCE
461	FX 2 AC RESONANCE	tone
462	FX 2 AC RESONANCE	LEVEL
463	FX 2 AUTO WAH	FILTER MODE
464	FX 2 AUTO WAH	RATE
465	FX 2 AUTO WAH	DEPTH
466	FX 2 AUTO WAH	FREQUENCY
467	FX 2 AUTO WAH	RESONANCE
468	FX 2 AUTO WAH	WAVEFORM
469	FX 2 AUTO WAH	EFFECT LEVEL
470	FX 2 AUTO WAH	DIRECT MIX
471	FX 2 CHORUS	TYPE
472	FX 2 CHORUS	RATE
473	FX 2 CHORUS	DEPTH
474	FX 2 CHORUS	PRE DELAY
475	FX 2 CHORUS	WAVEFORM
476	FX 2 CHORUS	LOW CUT
477	FX 2 CHORUS	HIGH CUT
478	FX 2 CHORUS	EFFECT LEVEL
479	FX 2 CHORUS	DIRECT LEVEL
480	FX 2 CHORUS DUAL	RATE 1
481	FX 2 CHORUS DUAL	DEPTH 1
482	FX 2 CHORUS DUAL	PRE DELAY 1
483	FX 2 CHORUS DUAL	WAVEFORM 1
484	FX 2 CHORUS DUAL	LOW CUT 1
485	FX 2 CHORUS DUAL	HIGH CUT 1
486	FX 2 CHORUS DUAL	EFFECT LEVEL 1
487	FX 2 CHORUS DUAL	RATE 2
488	FX 2 CHORUS DUAL	DEPTH 2
489	FX 2 CHORUS DUAL	PRE DELAY 2
490	FX 2 CHORUS DUAL	WAVEFORM 2
491	FX 2 CHORUS DUAL	LOW CUT 2
492	FX 2 CHORUS DUAL	HIGH CUT 2
493	FX 2 CHORUS DUAL	EFFECT LEVEL 2
494	FX 2 CHORUS	OUTPUT MODE
495	FX 2 CHORUS PRIME	SWEETNESS
496	FX 2 CHORUS PRIME	BELL
497	FX 2 CHORUS CE1	PREAMP SW
498	FX 2 CHORUS CE1	PREAMP GAIN
499	FX 2 CHORUS CE1	PREAMP LEVEL
500	FX 2 CLASSIC VIBE	MODE
501	FX 2 CLASSIC VIBE	RATE
502	FX 2 CLASSIC VIBE	DEPTH
503	FX 2 CLASSIC VIBE	EFFECT LEVEL
504	FX 2 COMPRESSOR	TYPE
505	FX 2 COMPRESSOR	SUATAIN
506	FX 2 COMPRESSOR	ATTACK
507	FX 2 COMPRESSOR	tone
508	FX 2 COMPRESSOR	RATIO
509	FX 2 COMPRESSOR	LEVEL
510	FX 2 COMPRESSOR	DIRECT MIX
511	FX 2 DEFRETTER	SENS
512	FX 2 DEFRETTER	DEPTH
513	FX 2 DEFRETTER	tone
514	FX 2 DEFRETTER	ATTACK
515	FX 2 DEFRETTER	RESONANCE
516	FX 2 DEFRETTER	EFFECT LEVEL
517	FX 2 DEFRETTER	DIRECT MIX
518	FX 2 FEEDBACKER	MODE
519	FX 2 FEEDBACKER	TRIGGER
520	FX 2 FEEDBACKER	DEPTH
521	FX 2 FEEDBACKER	RISE TIME
522	FX 2 FEEDBACKER	OCTAVE RISE TIME
523	FX 2 FEEDBACKER	FEEDBACK
524	FX 2 FEEDBACKER	OCTAVE FEEDBACK
525	FX 2 FEEDBACKER	VIB RATE
526	FX 2 FEEDBACKER	VIB DEPTH
527	FX 2 FLANGER	RATE
528	FX 2 FLANGER	DEPTH
529	FX 2 FLANGER	RESONANCE
530	FX 2 FLANGER	MANUAL
531	FX 2 FLANGER	TURBO
532	FX 2 FLANGER	WAVEFORM
533	FX 2 FLANGER	STEPRATE
534	FX 2 FLANGER	SEPARATION
535	FX 2 FLANGER	LOW DAMP
642	FX 2 S BEND	TRIGGER
643	FX 2 S BEND	PITCH
644	FX 2 S BEND	RISE TIME

#	KEY CATE	KEY TARGET
645	FX 2 S BEND	FALL TIME
646	FX 2 TREMOLO	RATE
647	FX 2 TREMOLO	DEPTH
648	FX 2 TREMOLO	WAVEFORM
649	FX 2 TREMOLO	TRIGGER
650	FX 2 TREMOLO	RISE TIME
651	FX 2 TREMOLO	EFFECT LEVEL
652	FX 2 TREMOLO	DIRECT MIX
653	FX 2 TOUCH WAH	FILTER MODE
654	FX 2 TOUCH WAH	POLARITY
655	FX 2 TOUCH WAH	SENS
656	FX 2 TOUCH WAH	FREQUENCY
657	FX 2 TOUCH WAH	RESONANCE
658	FX 2 TOUCH WAH	DECAY
659	FX 2 TOUCH WAH	EFFECT LEVEL
660	FX 2 TOUCH WAH	DIRECT MIX
661	FX 2 VIBRATO	RATE
662	FX 2 VIBRATO	DEPTH
663	FX 2 VIBRATO	COLOR
664	FX 2 VIBRATO	TRIGGER
665	FX 2 VIBRATO	RISE TIME
666	FX 2 VIBRATO	EFFECT LEVEL
667	FX 2 VIBRATO	DIRECT MIX
668	FX 3	ON OFF
669	FX 3	TYPE
670	FX 3 AC GUITAR SIM	BODY
671	FX 3 AC GUITAR SIM	LOW
672	FX 3 AC GUITAR SIM	HIGH
673	FX 3 AC GUITAR SIM	LEVEL
674	FX 3 AC RESONANCE	TYPE
675	FX 3 AC RESONANCE	RESONANCE
676	FX 3 AC RESONANCE	tone
677	FX 3 AC RESONANCE	LEVEL
678	FX 3 AUTO WAH	FILTER MODE
679	FX 3 AUTO WAH	RATE
680	FX 3 AUTO WAH	DEPTH
681	FX 3 AUTO WAH	FREQUENCY
682	FX 3 AUTO WAH	RESONANCE
683	FX 3 AUTO WAH	WAVEFORM
684	FX 3 AUTO WAH	EFFECT LEVEL
685	FX 3 AUTO WAH	DIRECT MIX
686	FX 3 CHORUS	TYPE
687	FX 3 CHORUS	RATE
688	FX 3 CHORUS	DEPTH
689	FX 3 CHORUS	PRE DELAY
690	FX 3 CHORUS	WAVEFORM
691	FX 3 CHORUS	LOW CUT
692	FX 3 CHORUS	HIGH CUT
693	FX 3 CHORUS	EFFECT LEVEL
694	FX 3 CHORUS	DIRECT LEVEL
695	FX 3 CHORUS DUAL	RATE 1
696	FX 3 CHORUS DUAL	DEPTH 1
697	FX 3 CHORUS DUAL	PRE DELAY 1
698	FX 3 CHORUS DUAL	WAVEFORM 1
699	FX 3 CHORUS DUAL	LOW CUT 1
700	FX 3 CHORUS DUAL	HIGH CUT 1
701	FX 3 CHORUS DUAL	EFFECT LEVEL 1
702	FX 3 CHORUS DUAL	RATE 2
703	FX 3 CHORUS DUAL	DEPTH 2
704	FX 3 CHORUS DUAL	PRE DELAY 2
705	FX 3 CHORUS DUAL	WAVEFORM 2
706	FX 3 CHORUS DUAL	LOW CUT 2
707	FX 3 CHORUS DUAL	HIGH CUT 2
708	FX 3 CHORUS DUAL	EFFECT LEVEL 2
709	FX 3 CHORUS	OUTPUT MODE
710	FX 3 CHORUS PRIME	SWEETNESS
711	FX 3 CHORUS PRIME	BELL
712	FX 3 CHORUS CE1	PREAMP SW
713	FX 3 CHORUS CE1	PREAMP GAIN
714	FX 3 CHORUS CE1	PREAMP LEVEL
715	FX 3 CLASSIC VIBE	MODE
716	FX 3 CLASSIC VIBE	RATE
717	FX 3 CLASSIC VIBE	DEPTH
718	FX 3 CLASSIC VIBE	EFFECT LEVEL
719	FX 3 COMPRESSOR	TYPE
720	FX 3 COMPRESSOR	SUATAIN
721	FX 3 COMPRESSOR	ATTACK
722	FX 3 COMPRESSOR	tone
723	FX 3 COMPRESSOR	RATIO
724	FX 3 COMPRESSOR	LEVEL
725	FX 3 COMPRESSOR	DIRECT MIX
726	FX 3 DEFRETTER	SENS
727	FX 3 DEFRETTER	DEPTH
728	FX 3 DEFRETTER	tone
729	FX 3 DEFRETTER	ATTACK
730	FX 3 DEFRETTER	RESONANCE
731	FX 3 DEFRETTER	EFFECT LEVEL
732	FX 3 DEFRETTER	DIRECT MIX
733	FX 3 FEEDBACKER	MODE
734	FX 3 FEEDBACKER	TRIGGER
735	FX 3 FEEDBACKER	DEPTH
736	FX 3 FEEDBACKER	RISE TIME
737	FX 3 FEEDBACKER	OCTAVE RISE TIME
738	FX 3 FEEDBACKER	FEEDBACK
739	FX 3 FEEDBACKER	OCTAVE FEEDBACK
740	FX 3 FEEDBACKER	VIB RATE
741	FX 3 FEEDBACKER	VIB DEPTH
742	FX 3 FLANGER	RATE
743	FX 3 FLANGER	DEPTH
744	FX 3 FLANGER	RESONANCE
745	FX 3 FLANGER	MANUAL
746	FX 3 FLANGER	TURBO
747	FX 3 FLANGER	WAVEFORM
748	FX 3 FLANGER	STEPRATE
749	FX 3 FLANGER	SEPARATION
750	FX 3 FLANGER	LOW DAMP

#	KEY CATE	KEY TARGET
751	FX 3 FLANGER	HIGH DAMP
752	FX 3 FLANGER	LOW CUT
753	FX 3 FLANGER	HIGH CUT
754	FX 3 FLANGER	EFFECT LEVEL
755	FX 3 FLANGER	DIRECT MIX
756	FX 3 HARMONIST	VOICE
757	FX 3 HARMONIST	HR1 HARMONY
758	FX 3 HARMONIST	HR1 PRE DELAY
759	FX 3 HARMONIST	HR1 FEEDBACK
760	FX 3 HARMONIST	HR1 LEVEL
761	FX 3 HARMONIST	HR2 HARMONY
762	FX 3 HARMONIST	HR2 PRE DELAY
763	FX 3 HARMONIST	HR2 LEVEL
764	FX 3 HARMONIST	DIRECT LEVEL
765	FX 3 HUMANIZER	MODE
766	FX 3 HUMANIZER	VOWEL1
767	FX 3 HUMANIZER	VOWEL2
768	FX 3 HUMANIZER	SENS
769	FX 3 HUMANIZER	RATE
770	FX 3 HUMANIZER	DEPTH
771	FX 3 HUMANIZER	MANUAL
772	FX 3 HUMANIZER	LEVEL
773	FX 3 OCTAVE	TYPE
774	FX 3 OCTAVE	2OCT
775	FX 3 OCTAVE	1OCT
776	FX 3 OCTAVE	DIRECT LEVEL
777	FX 3 OCTAVE	RANGE
778	FX 3 OCTAVE	POLY OCTAVE LEVEL
779	FX 3 OVERTONE	LOWER LEVEL
780	FX 3 OVERTONE	UPPER LEVEL
781	FX 3 OVERTONE	UNISON LEVEL
782	FX 3 OVERTONE	DIRECT LEVEL
783	FX 3 OVERTONE	DETUNE
784	FX 3 OVERTONE	LOW
785	FX 3 OVERTONE	HIGH
786	FX 3 OVERTONE	OUTPUT MODE
787	FX 3 PAN	RATE
788	FX 3 PAN	DEPTH
789	FX 3 PAN	WAVEFORM
790	FX 3 PAN	EFFECT LEVEL
791	FX 3 PAN	DIRECT MIX
792	FX 3 PHASER	TYPE
793	FX 3 PHASER	STAGE
794	FX 3 PHASER	RATE
795	FX 3 PHASER	DEPTH
796	FX 3 PHASER	RESONANCE
797	FX 3 PHASER	MANUAL
798	FX 3 PHASER	WAVEFORM
799	FX 3 PHASER	STEP RATE
800	FX 3 PHASER	BI PHASE
801	FX 3 PHASER	SEPARATION
802	FX 3 PHASER	LOW DAMP
803	FX 3 PHASER	HIGH DAMP
804	FX 3 PHASER	LOW CUT
805	FX 3 PHASER	HIGH CUT
806	FX 3 PHASER	EFFECT LEVEL
807	FX 3 PHASER	DIRECT MIX
808	FX 3 PITCH SHIFTER	VOICE
809	FX 3 PITCH SHIFTER	PS1 PITCH
810	FX 3 PITCH SHIFTER	PS1 MODE
811	FX 3 PITCH SHIFTER	PS1 FINE
812	FX 3 PITCH SHIFTER	PS1 PRE DELAY
813	FX 3 PITCH SHIFTER	PS1 FEEDBACK
814	FX 3 PITCH SHIFTER	PS1 LEVEL
815	FX 3 PITCH SHIFTER	PS2 PITCH
816	FX 3 PITCH SHIFTER	PS2 MODE
817	FX 3 PITCH SHIFTER	PS2 FINE
818	FX 3 PITCH SHIFTER	PS2 PRE DELAY
819	FX 3 PITCH SHIFTER	PS2 LEVEL
820	FX 3 PITCH SHIFTER	DIRECT LEVEL
821	FX 3 RING MOD	INTELLIGENT
822	FX 3 RING MOD	FREQUENCY
823	FX 3 RING MOD	FREQ MOD RATE
824	FX 3 RING MOD	FREQ MOD DEPTH
825	FX 3 RING MOD	EFFECT LEVEL
826	FX 3 RING MOD	DIRECT MIX
827	FX 3 ROTARY	SPEED SELECT
828	FX 3 ROTARY	SLOW RATE
829	FX 3 ROTARY	FAST RATE
830	FX 3 ROTARY	RISE TIME
831	FX 3 ROTARY	FALL TIME
832	FX 3 ROTARY	MIC DISTANCE
833	FX 3 ROTARY	ROTOR HORN
834	FX 3 ROTARY	DRIVE
835	FX 3 ROTARY	EFFECT LEVEL
836	FX 3 ROTARY	DIRECT MIX
837	FX 3 SITAR SIM	SENS
838	FX 3 SITAR SIM	DEPTH
839	FX 3 SITAR SIM	tone
840	FX 3 SITAR SIM	RESONANCE
841	FX 3 SITAR SIM	BUZZ
842	FX 3 SITAR SIM	EFFECT LEVEL
843	FX 3 SITAR SIM	DIRECT MIX
844	FX 3 SLICER	PATTERN
845	FX 3 SLICER	RATE
846	FX 3 SLICER	TRIGGER
847	FX 3 SLICER	ATTACK
848	FX 3 SLICER	DUTY
849	FX 3 SLICER	EFFECT LEVEL
850	FX 3 SLICER	DIRECT MIX
851	FX 3 SLOW GEAR	SENS
852	FX 3 SLOW GEAR	RISE TIME
853	FX 3 SLOW GEAR	LEVEL
854	FX 3 SOUND HOLD	TRIGGER
855	FX 3 SOUND HOLD	RISE TIME
856	FX 3 SOUND HOLD	LEVEL

#	KEY CATE	KEY TARGET
857	FX 3 S BEND	TRIGGER
858	FX 3 S BEND	PITCH
859	FX 3 S BEND	RISE TIME
860	FX 3 S BEND	FALL TIME
861	FX 3 TREMOLO	RATE
862	FX 3 TREMOLO	DEPTH
863	FX 3 TREMOLO	WAVEFORM
864	FX 3 TREMOLO	TRIGGER
865	FX 3 TREMOLO	RISE TIME
866	FX 3 TREMOLO	EFFECT LEVEL
867	FX 3 TREMOLO	DIRECT MIX
868	FX 3 TOUCH WAH	FILTER MODE
869	FX 3 TOUCH WAH	POLARITY
870	FX 3 TOUCH WAH	SENS
871	FX 3 TOUCH WAH	FREQUENCY
872	FX 3 TOUCH WAH	RESONANCE
873	FX 3 TOUCH WAH	DECAY
874	FX 3 TOUCH WAH	EFFECT LEVEL
875	FX 3 TOUCH WAH	DIRECT MIX
876	FX 3 VIBRATO	RATE
877	FX 3 VIBRATO	DEPTH
878	FX 3 VIBRATO	COLOR
879	FX 3 VIBRATO	TRIGGER
880	FX 3 VIBRATO	RISE TIME
881	FX 3 VIBRATO	EFFECT LEVEL
882	FX 3 VIBRATO	DIRECT MIX
883	REVERB	ON OFF
884	REVERB	TYPE
885	REVERB	TIME
886	REVERB	tone
887	REVERB	DENSITY
888	REVERB	PRE DELAY
889	REVERB	LOW CUT
890	REVERB	HIGH CUT
891	REVERB	LOW DAMP
892	REVERB	HIGH DAMP
893	REVERB	MOD RATE
894	REVERB	MOD DEPTH
895	REVERB	DUCK SENS
896	REVERB	DUCK PRE DEPTH
897	REVERB	DUCK POST DEPTH
898	REVERB	EFFECT LEVEL
899	REVERB	DIRECT LEVEL
900	REVERB SHIMMER	PITCH 1
901	REVERB SHIMMER	LEVEL 1
902	REVERB SHIMMER	PITCH 2
903	REVERB SHIMMER	LEVEL 2
904	REVERB DUAL	TYPE 1
905	REVERB DUAL	TIME 1
906	REVERB DUAL	PRE DELAY 1
907	REVERB DUAL	DENSITY 1
908	REVERB DUAL	tone 1
909	REVERB DUAL	LOW CUT 1
910	REVERB DUAL	HIGH CUT 1
911	REVERB DUAL	EFFECT LEVEL 1
912	REVERB DUAL	TYPE 2
913	REVERB DUAL	TIME 2
914	REVERB DUAL	PRE DELAY 2
915	REVERB DUAL	DENSITY 2
916	REVERB DUAL	tone 2
917	REVERB DUAL	LOW CUT 2
918	REVERB DUAL	HIGH CUT 2
919	REVERB DUAL	EFFECT LEVEL 2
920	REVERB TERA ECHO	MODE
921	REVERB TERA ECHO	SPREAD TIME
922	REVERB TERA ECHO	FEEDBACK
923	REVERB TERA ECHO	TRIGGER
924	PEDAL FX	ON OFF
925	PEDAL FX	TYPE
926	PEDAL WAH	WAH TYPE
927	PEDAL BEND	PITCH
928	PEDAL FX	PEDAL POSITION
929	PEDAL FX	EFFECT LEVEL
930	PEDAL FX	DIRECT LEVEL
931	FOOT VOLUME	VOLUME MIN
932	FOOT VOLUME	VOLUME MAX
933	FOOT VOLUME	VOLUME CURVE
934	FOOT VOLUME	PEDAL POSITION
935	DIVIDER 1	MODE
936	DIVIDER 1	CH SELECT
937	DIVIDER 1	A DYNAMIC
938	DIVIDER 1	A DYNAMIC SENS
939	DIVIDER 1	A FILTER
940	DIVIDER 1	A CUTOFF FREQ
941	DIVIDER 1	B DYNAMIC
942	DIVIDER 1	B DYNAMIC SENS
943	DIVIDER 1	B FILTER
944	DIVIDER 1	B CUTOFF FREQ
945	DIVIDER 2	MODE
946	DIVIDER 2	CH SELECT
947	DIVIDER 2	A DYNAMIC
948	DIVIDER 2	A DYNAMIC SENS
949	DIVIDER 2	A FILTER
950	DIVIDER 2	A CUTOFF FREQ
951	DIVIDER 2	B DYNAMIC
952	DIVIDER 2	B DYNAMIC SENS
953	DIVIDER 2	B FILTER
954	DIVIDER 2	B CUTOFF FREQ
955	DIVIDER 3	MODE
956	DIVIDER 3	CH SELECT
957	DIVIDER 3	A DYNAMIC
958	DIVIDER 3	A DYNAMIC SENS
959	DIVIDER 3	A FILTER
960	DIVIDER 3	A CUTOFF FREQ
961	DIVIDER 3	B DYNAMIC
962	DIVIDER 3	B DYNAMIC SENS

#	KEY CATE	KEY TARGET
963	DIVIDER 3	B FILTER
964	DIVIDER 3	B CUTOFF FREQ
965	MIXER 1	MODE
966	MIXER 1	A B BALANCE
967	MIXER 1	SPREAD
968	MIXER 2	MODE
969	MIXER 2	A B BALANCE
970	MIXER 2	SPREAD
971	MIXER 3	MODE
972	MIXER 3	A B BALANCE
973	MIXER 3	SPREAD
974	SEND RETURN 1	STEREO LINK
975	SEND RETURN 1	ON OFF
976	SEND RETURN 1	MODE
977	SEND RETURN 1	SEND LEVEL
978	SEND RETURN 1	RETURN LEVEL
979	SEND RETURN 1	ADJUST
980	SEND RETURN 2	ON OFF
981	SEND RETURN 2	MODE
982	SEND RETURN 2	SEND LEVEL
983	SEND RETURN 2	RETURN LEVEL
984	SEND RETURN 2	ADJUST
985	LOOPER	PLAY LEVEL
986	MASTER	PATCH LEVEL
987	MASTER	BPM
988	MASTER	KEY
989	AMP CTL	AMP CTL 1
990	AMP CTL	AMP CTL 2
991	TUNER	ON OFF
992	PATCH	PATCH SELECT
993	MASTER DELAY	TAP TIME
994	CHORUS DUAL	OUTPUT MODE
995	PEDAL WAH	PEDAL MIN
996	PEDAL WAH	PEDAL MAX
997	MASTER	CARRYOVER
998	SUB OUT	OUTPUT LEVEL
999	PEDAL WAH	PEDAL POSITION
1000	USB AUDIO	MAIN MIXLEVEL
1001	USB AUDIO	SUB MIXLEVEL
1002	MAIN G.EQ L/S	LOW GAIN
1003	MAIN G.EQ L/S	MID GAIN
1004	MAIN G.EQ L/S	HIGH GAIN
1005	MAIN G.EQ L/S	LEVEL
1006	MAIN G.EQ R/S	LOW GAIN
1007	MAIN G.EQ R/S	MID GAIN
1008	MAIN G.EQ R/S	HIGH GAIN
1009	MAIN G.EQ R/S	LEVEL
1010	SUB G.EQ L/S	LOW GAIN
1011	SUB G.EQ L/S	MID GAIN
1012	SUB G.EQ L/S	HIGH GAIN
1013	SUB G.EQ L/S	LEVEL
1014	SUB G.EQ R/S	LOW GAIN
1015	SUB G.EQ R/S	MID GAIN
1016	SUB G.EQ R/S	HIGH GAIN
1017	SUB G.EQ R/S	LEVEL
1018	AIRD PREAMP	TYPE
1019	AIRD PREAMP	GAIN
1020	AIRD PREAMP	BASS
1021	AIRD PREAMP	MIDDLE
1022	AIRD PREAMP	TREBLE
1023	AIRD PREAMP	LEVEL
1024	TOTAL REVERB	LEVEL

* AIRD PREAMP (valeur 1018-1023) automatically change each target to the AIRD PREAMP 1 or 2 whether which one is active.

* [SystemControl]

Offset	Address	Description
00 00	00aa aaaa	Num1 Function (0 - 57) OFF, 1, PATCH +1, PATCH -1, LEVEL +10, LEVEL +20, LEVEL -10, LEVEL -20, BPM TAP, DLY1 TAP, DLY2 TAP, DLY3 TAP, DLY4 TAP, MST DLY TAP, TUNER, AMP CTL1, AMP CTL2, CMP, DS1, DS1 SOLO, DS2, DS2 SOLO, AMP-1, AMP-1 SOLO, AMP-2, AMP-2 SOLO, NS 1, NS 2, EQ 1, EQ 2, EQ 3, EQ 4, DLY1, DLY2, DLY3, DLY4, MST DLY, CHO, FX1, FX2, FX3, FX1 TRIGGER, FX2 TRIGGER, FX3 TRIGGER, REV, PFX, DIV1 CH.SEL, DIV2 CH.SEL, DIV3 CH.SEL, S/R 1, S/R 2, LOOPER, LOOPER STOP, LOOPER CLEAR, METRONOME, MIDI START, MMC PLAY, MDLY TRIGGER
00 01	0000 000a	Num1 Mode (0 - 1) TOGGLE, MOMENT
00 02	00aa aaaa	Num2 Function (0 - 57) OFF, 2, PATCH +1, PATCH -1, LEVEL +10, LEVEL +20, LEVEL -10, LEVEL -20, BPM TAP, DLY1 TAP, DLY2 TAP, DLY3 TAP, DLY4 TAP, MST DLY TAP, TUNER, AMP CTL1, AMP CTL2, CMP, DS1, DS1 SOLO, DS2, DS2 SOLO, AMP-1, AMP-1 SOLO, AMP-2, AMP-2 SOLO, NS 1, NS 2, EQ 1, EQ 2, EQ 3, EQ 4, DLY1, DLY2, DLY3, DLY4, MST DLY, CHO, FX1, FX2, FX3, FX1 TRIGGER, FX2 TRIGGER, FX3 TRIGGER, REV, PFX, DIV1 CH.SEL, DIV2 CH.SEL, DIV3 CH.SEL, S/R 1, S/R 2, LOOPER, LOOPER STOP, LOOPER CLEAR, METRONOME, MIDI START, MMC PLAY, MDLY TRIGGER
00 03	0000 000a	Num2 Mode (0 - 1) TOGGLE, MOMENT
00 04	00aa aaaa	Num3 Function (0 - 57) OFF, 3, PATCH +1, PATCH -1, LEVEL +10, LEVEL +20, LEVEL -10, LEVEL -20, BPM TAP, DLY1 TAP, DLY2 TAP, DLY3 TAP, DLY4 TAP, MST DLY TAP, TUNER, AMP CTL1, AMP CTL2, CMP, DS1, DS1 SOLO, DS2, DS2 SOLO, AMP-1, AMP-1 SOLO, AMP-2, AMP-2 SOLO, NS 1, NS 2,

Offset	Address	Description
		PATCH, SYSTEM (0 - 1)
00 2B	0000 000a	Ctl2 Preference
		PATCH, SYSTEM (0 - 1)
00 2C	0000 000a	Ctl3 Preference
		PATCH, SYSTEM (0 - 1)
00 2D	0000 000a	Ctl4 Preference
		PATCH, SYSTEM (0 - 1)
00 2E	0000 000a	Ctl5 Preference
		PATCH, SYSTEM (0 - 1)
00 2F	0000 000a	Ctl6 Preference
		PATCH, SYSTEM (0 - 1)
00 30	0000 000a	Ctl7 Preference
		PATCH, SYSTEM (0 - 1)
00 31	0000 000a	CNum Preference
		PATCH, SYSTEM (0 - 1)
00 32	0000 000a	Exp1Sw Preference
		PATCH, SYSTEM (0 - 1)
00 33	0000 000a	Exp1 Preference
		PATCH, SYSTEM (0 - 1)
00 34	0000 000a	Exp2 Preference
		PATCH, SYSTEM (0 - 1)
00 35	0000 000a	Exp3 Preference
		PATCH, SYSTEM (0 - 1)
00 00 00 36	Total Size	

* [SystemMidi]

Offset	Address	Description
00 00	0000 aaaa	RX CHANNEL (0 - 15) Ch.1 - Ch.16
00 01	0000 000a	OMNI MODE (0 - 1) OFF, ON
00 02	000a aaaa	TX CHANNEL (0 - 16) Ch.1 - Ch.16, RX
00 03	0000 00aa	SYNC CLOCK (0 - 3) AUTO, INTERNAL, MIDI(AUTO), USB(AUTO)
00 04	0000 00aa	MIDI IN THRU (0 - 3) OFF, MIDI OUT, USB OUT, USB/MIDI
00 05	0000 00aa	USB IN THRU (0 - 3) OFF, MIDI OUT, USB OUT, USB/MIDI
00 06	0000 000a	CLOCK OUT (0 - 1) OFF, ON
00 07	0000 0000	N/A(fixed value) (0)
00 08	0000 000a	MAP SELECT (0 - 1) FIX, PROG
00 09	00aa aaaa	NUM1 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 0A	00aa aaaa	NUM2 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 0B	00aa aaaa	NUM3 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 0C	00aa aaaa	NUM4 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 0D	00aa aaaa	NUM5 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 0E	00aa aaaa	BANKDOWN CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 0F	00aa aaaa	BANKUP CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 10	00aa aaaa	CTL1 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 11	00aa aaaa	CTL2 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 12	00aa aaaa	CTL3 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 13	00aa aaaa	CTL4 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 14	00aa aaaa	CTL5 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 15	00aa aaaa	CTL6 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 16	00aa aaaa	CTL7 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 17	00aa aaaa	EXP1 SW CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 18	00aa aaaa	EXP1 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 19	00aa aaaa	EXP2 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 1A	00aa aaaa	EXP3 CC# (0 - 63) OFF, CC# 1 - CC#31, CC#64 - CC#95
00 00 00 1B	Total Size	

* [PcmappC]

Offset	Address	Description
#	00 00	0000 aaaa
	00 01	0000 bbbb
	00 02	0000 cccc
	00 03	0000 dddd
		Program Change #1 (0 - 499) U01-1, U50-5, P01-1 - P50-5
#	00 04	0000 aaaa
	00 05	0000 bbbb
	00 06	0000 cccc
	00 07	0000 dddd
		Program Change #2 (0 - 499) U01-1, U50-5, P01-1 - P50-5
	:	

Offset	Address	Description
:		
#	00 7C	0000 aaaa
	00 7D	0000 bbbb
	00 7E	0000 cccc
	00 7F	0000 dddd
		Program Change #31 (0 - 499) U01-1, U50-5, P01-1 - P50-5
#	01 00	0000 aaaa
	01 01	0000 bbbb
	01 02	0000 cccc
	01 03	0000 dddd
		Program Change #32 (0 - 499) U01-1, U50-5, P01-1 - P50-5
:		
:		
#	03 7C	0000 aaaa
	03 7D	0000 bbbb
	03 7E	0000 cccc
	03 7F	0000 dddd
		Program Change #128 (0 - 499)
00 00 04 00	Total Size	

* [PatchCommon]

Offset	Address	Description
	00 00	0aaa aaaa Patch Name1 (32 - 126)
	00 01	0aaa aaaa Patch Name2 (32 - 126)
	00 02	0aaa aaaa Patch Name3 (32 - 126)
	00 03	0aaa aaaa Patch Name4 (32 - 126)
	00 04	0aaa aaaa Patch Name5 (32 - 126)
	00 05	0aaa aaaa Patch Name6 (32 - 126)
	00 06	0aaa aaaa Patch Name7 (32 - 126)
	00 07	0aaa aaaa Patch Name8 (32 - 126)
	00 08	0aaa aaaa Patch Name9 (32 - 126)
	00 09	0aaa aaaa Patch Name10 (32 - 126)
	00 0A	0aaa aaaa Patch Name11 (32 - 126)
	00 0B	0aaa aaaa Patch Name12 (32 - 126)
	00 0C	0aaa aaaa Patch Name13 (32 - 126)
	00 0D	0aaa aaaa Patch Name14 (32 - 126)
	00 0E	0aaa aaaa Patch Name15 (32 - 126)
	00 0F	0aaa aaaa Patch Name16 (32 - 126)
	00 10	0000 0000 N/A(fixed value) (0)
	00 11	0000 0000 N/A(fixed value) (0)
	00 12	0000 0000 N/A(fixed value) (0)
	00 13	0000 0000 N/A(fixed value) (0)
	00 14	0000 0000 N/A(fixed value) (0)
	00 15	0000 0000 N/A(fixed value) (0)
	00 16	0000 0000 N/A(fixed value) (0)
	00 17	0000 0000 N/A(fixed value) (0)
	00 18	0000 0000 N/A(fixed value) (0)
	00 19	0000 0000 N/A(fixed value) (0)
	00 1A	0000 0000 N/A(fixed value) (0)
	00 1B	0000 0000 N/A(fixed value) (0)
	00 1C	0000 0000 N/A(fixed value) (0)
	00 1D	0000 0000 N/A(fixed value) (0)
	00 1E	0000 0000 N/A(fixed value) (0)
	00 1F	0000 0000 N/A(fixed value) (0)
	00 20	0000 0000 N/A(fixed value) (0)
	00 21	0000 0000 N/A(fixed value) (0)
	00 22	0000 0000 N/A(fixed value) (0)
	00 23	00aa aaaa Num1 Function (0 - 57) OFF, 1, PATCH +1, PATCH -1, LEVEL +10, LEVEL +20, LEVEL -10, LEVEL -20, BPM TAP, DLY1 TAP, DLY2 TAP, DLY3 TAP, DLY4 TAP, MST DLY TAP, TUNER, AMP CTL1, AMP CTL2, CMP, DS1, DS1 SOLO, DS2, DS2 SOLO, AMP-1, AMP-1 SOLO, AMP-2, AMP-2 SOLO, NS 1, NS 2, EQ 1, EQ 2, EQ 3, EQ 4, DLY1, DLY2, DLY3, DLY4, MST DLY, CHO, FX1, FX2, FX3, FX1 TRIGGER, FX2 TRIGGER, FX3 TRIGGER, REV, PFX, DIV1 CH.SEL, DIV2 CH.SEL, DIV3 CH.SEL, S/R 1, S/R 2, LOOPER, LOOPER STOP, LOOPER CLEAR, METRONOME, MIDI START, MMC PLAY, MDLY TRIGGER
	00 24	0000 000a Num1 Mode (0 - 1) TOGGLE, MOMENT
	00 25	00aa aaaa Num2 Function (0 - 57) OFF, 2, PATCH +1, PATCH -1, LEVEL +10, LEVEL +20, LEVEL -10, LEVEL -20, BPM TAP, DLY1 TAP, DLY2 TAP, DLY3 TAP, DLY4 TAP, MST DLY TAP, TUNER, AMP CTL1, AMP CTL2, CMP, DS1, DS1 SOLO, DS2, DS2 SOLO, AMP-1, AMP-1 SOLO, AMP-2, AMP-2 SOLO, NS 1, NS 2, EQ 1, EQ 2, EQ 3, EQ 4, DLY1, DLY2, DLY3, DLY4, MST DLY, CHO, FX1, FX2, FX3, FX1 TRIGGER, FX2 TRIGGER, FX3 TRIGGER, REV, PFX, DIV1 CH.SEL, DIV2 CH.SEL, DIV3 CH.SEL, S/R 1, S/R 2, LOOPER, LOOPER STOP, LOOPER CLEAR, METRONOME, MIDI START, MMC PLAY, MDLY TRIGGER
	00 26	0000 000a Num2 Mode (0 - 1) TOGGLE, MOMENT
	00 27	00aa aaaa Num3 Function (0 - 57) OFF, 3, PATCH +1, PATCH -1, LEVEL +10, LEVEL +20, LEVEL -10, LEVEL -20, BPM TAP, DLY1 TAP, DLY2 TAP, DLY3 TAP, DLY4 TAP, MST DLY TAP, TUNER, AMP CTL1, AMP CTL2, CMP, DS1, DS1 SOLO, DS2, DS2 SOLO, AMP-1, AMP-1 SOLO, AMP-2, AMP-2 SOLO, NS 1, NS 2, EQ 1, EQ 2, EQ 3, EQ 4, DLY1, DLY2, DLY3, DLY4, MST DLY, CHO, FX1, FX2, FX3, FX1 TRIGGER, FX2 TRIGGER, FX3 TRIGGER, REV, PFX, DIV1 CH.SEL, DIV2 CH.SEL, DIV3 CH.SEL, S/R 1, S/R 2, LOOPER, LOOPER STOP, LOOPER CLEAR, METRONOME, MIDI START, MMC PLAY, MDLY TRIGGER
	00 28	0000 000a Num3 Mode (0 - 1) TOGGLE, MOMENT
	00 29	00aa aaaa Num4 Function (0 - 57) OFF, 4, PATCH +1, PATCH -1, LEVEL +10, LEVEL +20,

Offset	Address	Description	
#	00 4B 0000 aaaa		(0 - 128)
	00 4C 0000 bbbb	PATCH MIDI 1: BANK MSB	OFF, 0 - 127
#	00 4D 0000 aaaa		(0 - 128)
	00 4E 0000 bbbb	PATCH MIDI 1: BANK LSB	OFF, 0 - 127
#	00 4F 0000 aaaa		(0 - 128)
	00 50 0000 bbbb	PATCH MIDI 1: PC#	OFF, 1 - 128
#	00 51 0000 aaaa		(0 - 128)
	00 52 0000 bbbb	PATCH MIDI 1: CC1#	OFF, 0 - 127
	00 53 0aaa aaaa	PATCH MIDI 1: CC1 VALUE	(0 - 127)
#	00 54 0000 aaaa		(0 - 128)
	00 55 0000 bbbb	PATCH MIDI 1: CC2#	OFF, 0 - 127
	00 56 0aaa aaaa	PATCH MIDI 1: CC2 VALUE	(0 - 127)
	00 57 000a aaaa	PATCH MIDI 2: CH	(0 - 16)
			OFF, 1 - 16
#	00 58 0000 aaaa		(0 - 128)
	00 59 0000 bbbb	PATCH MIDI 2: BANK MSB	OFF, 0 - 127
#	00 5A 0000 aaaa		(0 - 128)
	00 5B 0000 bbbb	PATCH MIDI 2: BANK LSB	OFF, 0 - 127
#	00 5C 0000 aaaa		(0 - 128)
	00 5D 0000 bbbb	PATCH MIDI 2: PC#	OFF, 1 - 128
#	00 5E 0000 aaaa		(0 - 128)
	00 5F 0000 bbbb	PATCH MIDI 2: CC1#	OFF, 0 - 127
	00 60 0aaa aaaa	PATCH MIDI 2: CC1 VALUE	(0 - 127)
#	00 61 0000 aaaa		(0 - 128)
	00 62 0000 bbbb	PATCH MIDI 2: CC2#	OFF, 0 - 127
	00 63 0aaa aaaa	PATCH MIDI 2: CC2 VALUE	(0 - 127)
	00 64 000a aaaa	PATCH MIDI 3: CH	(0 - 16)
			OFF, 1 - 16
#	00 65 0000 aaaa		(0 - 128)
	00 66 0000 bbbb	PATCH MIDI 3: BANK MSB	OFF, 0 - 127
#	00 67 0000 aaaa		(0 - 128)
	00 68 0000 bbbb	PATCH MIDI 3: BANK LSB	OFF, 0 - 127
#	00 69 0000 aaaa		(0 - 128)
	00 6A 0000 bbbb	PATCH MIDI 3: PC#	OFF, 1 - 128
#	00 6B 0000 aaaa		(0 - 128)
	00 6C 0000 bbbb	PATCH MIDI 3: CC1#	OFF, 0 - 127
	00 6D 0aaa aaaa	PATCH MIDI 3: CC1 VALUE	(0 - 127)
#	00 6E 0000 aaaa		(0 - 128)
	00 6F 0000 bbbb	PATCH MIDI 3: CC2#	OFF, 0 - 127
	00 70 0aaa aaaa	PATCH MIDI 3: CC2 VALUE	(0 - 127)
	00 71 000a aaaa	PATCH MIDI 4: CH	(0 - 16)
			OFF, 1 - 128
#	00 72 0000 aaaa		(0 - 128)
	00 73 0000 bbbb	PATCH MIDI 4: BANK MSB	OFF, 0 - 127
#	00 74 0000 aaaa		(0 - 128)
	00 75 0000 bbbb	PATCH MIDI 4: BANK LSB	OFF, 0 - 127
#	00 76 0000 aaaa		(0 - 128)
	00 77 0000 bbbb	PATCH MIDI 4: PC#	OFF, 1 - 128
#	00 78 0000 aaaa		(0 - 128)
	00 79 0000 bbbb	PATCH MIDI 4: CC1#	OFF, 0 - 127
	00 7A 0aaa aaaa	PATCH MIDI 4: CC1 VALUE	(0 - 127)
#	00 7B 0000 aaaa		(0 - 128)
	00 7C 0000 bbbb	PATCH MIDI 4: CC2#	OFF, 0 - 127
	00 7D 0aaa aaaa	PATCH MIDI 4: CC2 VALUE	(0 - 127)
00 00 00 7E Total Size			

* [PatchStompBox]

Offset	Address	Description	
	00 00 0000 aaaa	STOMPBOX (Comp)	(0 - 10)
	00 01 0000 aaaa	STOMPBOX (Dist1)	---, CMP-1 - 10
	00 02 0000 aaaa	STOMPBOX (Dist2)	(0 - 10)
	00 03 0000 aaaa	STOMPBOX (Preamp1)	---, DS-1 - 10
	00 04 0000 aaaa	STOMPBOX (Preamp2)	(0 - 10)
	00 05 0000 aaaa	STOMPBOX (Ns1)	---, AMP-1 - 10
	00 06 0000 aaaa	STOMPBOX (Ns2)	(0 - 10)
	00 07 0000 aaaa	STOMPBOX (Eq1)	---, NS-1 - 10
	00 08 0000 aaaa	STOMPBOX (Eq2)	(0 - 10)
	00 09 0000 aaaa	STOMPBOX (Eq3)	---, EQ-1 - 10
	00 0A 0000 aaaa	STOMPBOX (Eq4)	(0 - 10)
			---, EQ-1 - 10

Offset	Address	Description	
	00 0B 0000 aaaa	STOMPBOX (Delay1)	(0 - 10)
	00 0C 0000 aaaa	STOMPBOX (Delay2)	---, DLY-1 - 10
	00 0D 0000 aaaa	STOMPBOX (Delay3)	(0 - 10)
	00 0E 0000 aaaa	STOMPBOX (Delay4)	---, DLY-1 - 10
	00 0F 0000 aaaa	STOMPBOX (MstDelay)	(0 - 10)
	00 10 0000 aaaa	STOMPBOX (Chorus)	---, MDL-1 - 10
	00 11 0000 aaaa	STOMPBOX (Fx1AGSim)	(0 - 10)
	00 12 0000 aaaa	STOMPBOX (Fx1AcReso)	---, ACO-1 - 10
	00 13 0000 aaaa	STOMPBOX (Fx1AWah)	(0 - 10)
	00 14 0000 aaaa	STOMPBOX (Fx1Chorus)	---, ACR-1 - 10
	00 15 0000 aaaa	STOMPBOX (Fx1CVibe)	(0 - 10)
	00 16 0000 aaaa	STOMPBOX (Fx1Comp)	---, CV-1 - 10
	00 17 0000 aaaa	STOMPBOX (Fx1Defretter)	(0 - 10)
	00 18 0000 aaaa	STOMPBOX (Fx1Feedbacker)	---, DEF-1 - 10
	00 19 0000 aaaa	STOMPBOX (Fx1Flanger)	(0 - 10)
	00 1A 0000 aaaa	STOMPBOX (Fx1Harmonist)	---, FL-1 - 10
	00 1B 0000 aaaa	STOMPBOX (Fx1Humanizer)	(0 - 10)
	00 1C 0000 aaaa	STOMPBOX (Fx1Octave)	---, HRM-1 - 10
	00 1D 0000 aaaa	STOMPBOX (Fx1Overtone)	(0 - 10)
	00 1E 0000 aaaa	STOMPBOX (Fx1Pan)	---, HMN-1 - 10
	00 1F 0000 aaaa	STOMPBOX (Fx1Phaser)	(0 - 10)
	00 20 0000 aaaa	STOMPBOX (Fx1PitchShift)	---, OC-1 - 10
	00 21 0000 aaaa	STOMPBOX (Fx1RingMod)	(0 - 10)
	00 22 0000 aaaa	STOMPBOX (Fx1Rotary)	---, OT-1 - 10
	00 23 0000 aaaa	STOMPBOX (Fx1SitarSim)	(0 - 10)
	00 24 0000 aaaa	STOMPBOX (Fx1Slicer)	---, PAN-1 - 10
	00 25 0000 aaaa	STOMPBOX (Fx1SlowGear)	(0 - 10)
	00 26 0000 aaaa	STOMPBOX (Fx1SoundHold)	---, PH-1 - 10
	00 27 0000 aaaa	STOMPBOX (Fx1SBend)	(0 - 10)
	00 28 0000 aaaa	STOMPBOX (Fx1TWah)	---, PS-1 - 10
	00 29 0000 aaaa	STOMPBOX (Fx1Tremolo)	(0 - 10)
	00 2A 0000 aaaa	STOMPBOX (Fx1Vibrato)	---, RB-1 - 10
	00 2B 0000 aaaa	STOMPBOX (Fx2AGSim)	(0 - 10)
	00 2C 0000 aaaa	STOMPBOX (Fx2AcReso)	---, RT-1 - 10
	00 2D 0000 aaaa	STOMPBOX (Fx2AWah)	(0 - 10)
	00 2E 0000 aaaa	STOMPBOX (Fx2Chorus)	---, STR-1 - 10
	00 2F 0000 aaaa	STOMPBOX (Fx2CVibe)	(0 - 10)
	00 30 0000 aaaa	STOMPBOX (Fx2Comp)	---, SH-1 - 10
	00 31 0000 aaaa	STOMPBOX (Fx2Defretter)	(0 - 10)
	00 32 0000 aaaa	STOMPBOX (Fx2Feedbacker)	---, SB-1 - 10
	00 33 0000 aaaa	STOMPBOX (Fx2Flanger)	(0 - 10)
	00 34 0000 aaaa	STOMPBOX (Fx2Harmonist)	---, TW-1 - 10
	00 35 0000 aaaa	STOMPBOX (Fx2Humanizer)	(0 - 10)
	00 36 0000 aaaa	STOMPBOX (Fx2Octave)	---, TR-1 - 10
	00 37 0000 aaaa	STOMPBOX (Fx2Overtone)	(0 - 10)
	00 38 0000 aaaa	STOMPBOX (Fx2Pan)	---, VIB-1 - 10
	00 39 0000 aaaa	STOMPBOX (Fx2Phaser)	(0 - 10)
	00 3A 0000 aaaa	STOMPBOX (Fx2PitchShift)	---, ACO-1 - 10
	00 3B 0000 aaaa	STOMPBOX (Fx2RingMod)	(0 - 10)
	00 3C 0000 aaaa	STOMPBOX (Fx2Rotary)	---, ACR-1 - 10
	00 3D 0000 aaaa	STOMPBOX (Fx2SitarSim)	(0 - 10)
	00 3E 0000 aaaa	STOMPBOX (Fx2Slicer)	---, AW-1 - 10
			(0 - 10)
			---, CHO-1 - 10
			(0 - 10)
			---, CV-1 - 10
			(0 - 10)
			---, CMP-1 - 10
			(0 - 10)
			---, DEF-1 - 10
			(0 - 10)
			---, FB-1 - 10
			(0 - 10)
			---, FL-1 - 10
			(0 - 10)
			---, HRM-1 - 10
			(0 - 10)
			---, HMN-1 - 10
			(0 - 10)
			---, OC-1 - 10
			(0 - 10)
			---, OT-1 - 10
			(0 - 10)
			---, PAN-1 - 10
			(0 - 10)
			---, PH-1 - 10
			(0 - 10)
			---, PS-1 - 10
			(0 - 10)
			---, RB-1 - 10
			(0 - 10)
			---, RT-1 - 10
			(0 - 10)
			---, STR-1 - 10
			(0 - 10)
			---, SL-1 - 10

Offset	Address	Description	
00 3F	0000 aaaa	STOMPBOX (Fx2SlowGear)	(0 - 10)
		---	SG-1 - 10
00 40	0000 aaaa	STOMPBOX (Fx2SoundHold)	(0 - 10)
		---	SH-1 - 10
00 41	0000 aaaa	STOMPBOX (Fx2SBend)	(0 - 10)
		---	SB-1 - 10
00 42	0000 aaaa	STOMPBOX (Fx2TWah)	(0 - 10)
		---	TW-1 - 10
00 43	0000 aaaa	STOMPBOX (Fx2Tremolo)	(0 - 10)
		---	TR-1 - 10
00 44	0000 aaaa	STOMPBOX (Fx2Vibrato)	(0 - 10)
		---	VIB-1 - 10
00 45	0000 aaaa	STOMPBOX (Fx3AGSim)	(0 - 10)
		---	ACO-1 - 10
00 46	0000 aaaa	STOMPBOX (Fx3AcReso)	(0 - 10)
		---	ACR-1 - 10
00 47	0000 aaaa	STOMPBOX (Fx3AWah)	(0 - 10)
		---	AW-1 - 10
00 48	0000 aaaa	STOMPBOX (Fx3Chorus)	(0 - 10)
		---	CHO-1 - 10
00 49	0000 aaaa	STOMPBOX (Fx3CVibe)	(0 - 10)
		---	CV-1 - 10
00 4A	0000 aaaa	STOMPBOX (Fx3Comp)	(0 - 10)
		---	CMP-1 - 10
00 4B	0000 aaaa	STOMPBOX (Fx3Defretter)	(0 - 10)
		---	DEF-1 - 10
00 4C	0000 aaaa	STOMPBOX (Fx3Feedbacker)	(0 - 10)
		---	FB-1 - 10
00 4D	0000 aaaa	STOMPBOX (Fx3Flanger)	(0 - 10)
		---	FL-1 - 10
00 4E	0000 aaaa	STOMPBOX (Fx3Harmonist)	(0 - 10)
		---	HRM-1 - 10
00 4F	0000 aaaa	STOMPBOX (Fx3Humanizer)	(0 - 10)
		---	HMN-1 - 10
00 50	0000 aaaa	STOMPBOX (Fx3Octave)	(0 - 10)
		---	OC-1 - 10
00 51	0000 aaaa	STOMPBOX (Fx3Overtone)	(0 - 10)
		---	OT-1 - 10
00 52	0000 aaaa	STOMPBOX (Fx3Pan)	(0 - 10)
		---	PAN-1 - 10
00 53	0000 aaaa	STOMPBOX (Fx3Phaser)	(0 - 10)
		---	PH-1 - 10
00 54	0000 aaaa	STOMPBOX (Fx3PitchShift)	(0 - 10)
		---	PS-1 - 10
00 55	0000 aaaa	STOMPBOX (Fx3RingMod)	(0 - 10)
		---	RM-1 - 10
00 56	0000 aaaa	STOMPBOX (Fx3Rotary)	(0 - 10)
		---	RT-1 - 10
00 57	0000 aaaa	STOMPBOX (Fx3SitarSim)	(0 - 10)
		---	STR-1 - 10
00 58	0000 aaaa	STOMPBOX (Fx3Slicer)	(0 - 10)
		---	SL-1 - 10
00 59	0000 aaaa	STOMPBOX (Fx3SlowGear)	(0 - 10)
		---	SG-1 - 10
00 5A	0000 aaaa	STOMPBOX (Fx3SoundHold)	(0 - 10)
		---	SH-1 - 10
00 5B	0000 aaaa	STOMPBOX (Fx3SBend)	(0 - 10)
		---	SB-1 - 10
00 5C	0000 aaaa	STOMPBOX (Fx3TWah)	(0 - 10)
		---	TW-1 - 10
00 5D	0000 aaaa	STOMPBOX (Fx3Tremolo)	(0 - 10)
		---	TR-1 - 10
00 5E	0000 aaaa	STOMPBOX (Fx3Vibrato)	(0 - 10)
		---	VIB-1 - 10
00 5F	0000 aaaa	STOMPBOX (Reverb)	(0 - 10)
		---	REV-1 - 10
00 60	0000 aaaa	STOMPBOX (PedalFx)	(0 - 10)
		---	PEX-1 - 10
00 61	0000 aaaa	STOMPBOX (Divider1)	(0 - 10)
		---	DIV-1 - 10
00 62	0000 aaaa	STOMPBOX (Divider2)	(0 - 10)
		---	DIV-1 - 10
00 63	0000 aaaa	STOMPBOX (Divider3)	(0 - 10)
		---	DIV-1 - 10
00 00 00 64	Total Size		

* [PatchLed]

Offset	Address	Description	
00 00	0000 aaaa	NUM1 OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	
00 01	0000 aaaa	NUM1 ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
00 02	0000 aaaa	NUM2 OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	
00 03	0000 aaaa	NUM2 ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
00 04	0000 aaaa	NUM3 OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	

Offset	Address	Description	
00 05	0000 aaaa	NUM3 ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
00 06	0000 aaaa	NUM4 OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	
00 07	0000 aaaa	NUM4 ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
00 08	0000 aaaa	NUM5 OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	
00 09	0000 aaaa	NUM5 ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
00 0A	0000 aaaa	BANKDOWN OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	
00 0B	0000 aaaa	BANKDOWN ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
00 0C	0000 aaaa	BANKUP OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	
00 0D	0000 aaaa	BANKUP ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
00 0E	0000 aaaa	CTL1 OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	
00 0F	0000 aaaa	CTL1 ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
00 10	0000 aaaa	CTL2 OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	
00 11	0000 aaaa	CTL2 ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
00 12	0000 aaaa	CTL3 OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	
00 13	0000 aaaa	CTL3 ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
00 14	0000 aaaa	EXP1 SW OFF	(0 - 10)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN	
00 15	0000 aaaa	EXP1 SW ON	(0 - 21)
		OFF, RED, BLUE, LIGHT BLUE, ORANGE, GREEN, YELLOW, WHITE, PURPLE, PINK, CYAN, AUTO, AUTO RED, AUTO BLUE, AUTO LIGHT BLUE, AUTO ORANGE, AUTO GREEN, AUTO YELLOW, AUTO WHITE, AUTO PURPLE, AUTO PINK, AUTO CYAN	
# 00 16	0000 aaaa		
00 17	0000 bbbb		
00 18	0000 cccc		
00 19	0000 dddd		
00 1A	0000 eeee		
00 1B	0000 ffff		
00 1C	0000 gggg		
00 1D	0000 hhhh	ON OFF STATE	(0 - 2147483647)
*3			
00 00 00 1E	Total Size		

*3 ON OFF STATE TABLE

BIT	PEDAL
0	NUM1
1	NUM2
2	NUM3
3	NUM4
4	NUM5
5	CUR NUM
6	BANK DOWN
7	BANK UP
8	CTL1
9	CTL2
10	CTL3
11	CTL4
12	CTL5
13	CTL6
14	CTL7
15	EXP SW
16	(NIU)
17	(NIU)
18	(NIU)
19	(NIU)
20	(NIU)
21	(NIU)
22	(NIU)
23	(NIU)
24	(NIU)
25	(NIU)
26	(NIU)
27	(NIU)
28	(NIU)
29	(NIU)
30	(NIU)
31	(NIU)
32	(NIU)

* [Assign]

Offset Address	Description
00 00 0000 000a	SW (0 - 1) OFF, ON
# 00 01 0000 aaaa	
00 02 0000 bbbb	
00 03 0000 cccc	
00 04 0000 dddd	TARGET (0 - 1024) *2
# 00 05 0000 aaaa	
00 06 0000 bbbb	
00 07 0000 cccc	
00 08 0000 dddd	TARGET MIN (0 - 65535) (0 - 127) x 127
# 00 09 0000 aaaa	
00 0A 0000 bbbb	
00 0B 0000 cccc	
00 0C 0000 dddd	TARGET MAX (0 - 65535) (0 - 127) x 127
00 0D 0aaa aaaa	SOURCE (0 - 84) NUM1, NUM2, NUM3, NUM4, NUM5, CUR NUM, BANKDOWN, BANKUP, CTL1, CTL2, CTL3, CTL4, CTL5, CTL6, CTL7, EXP1 SW, EXP1, EXP2, EXP3, INT PEDAL, WAVE PEDAL, INPUT, CC# 1 - CC#31, CC#64 - CC#95
00 0E 0000 000a	MODE (0 - 1) TOGGLE, MOMENT
00 0F 0aaa aaaa	WAVE RATE (0 - 118) 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note
00 10 0000 00aa	WAVEFORM (0 - 2) SAW, TRI, SINE
00 11 0aaa aaaa	INT PDL TRIGGER (0 - 84) PATCH CHANGE, EXP1 PDL-LOW, EXP1 PDL-MID, EXP1 PDL-HIGH, EXP1 SW, NUM1, NUM2, NUM3, NUM4, NUM5, CUR NUM, EXP2, EXP3, CTL1, CTL2, CTL3, CTL4, CTL5, CTL6, CTL7, BANKDOWN, BANKUP, CC# 1 - CC#31, CC#64 - CC#95
00 12 0aaa aaaa	INT PDL TIME (0 - 100)
00 13 0000 00aa	INT PDL CURVE (0 - 2) LINEAR, SLOW RISE, FAST RISE
# 00 14 0000 aaaa	
00 15 0000 bbbb	
00 16 0000 cccc	
00 17 0000 dddd	ACT RANGE LO (0 - 126) x 127
# 00 18 0000 aaaa	
00 19 0000 bbbb	
00 1A 0000 cccc	
00 1B 0000 dddd	ACT RANGE HI (1 - 127) x 127
00 1C 000a aaaa	MIDI CH (0 - 16) SYSTEM, 1 - 16
00 1D 0aaa aaaa	MIDI CC# (0 - 127)
# 00 1E 0000 aaaa	
00 1F 0000 bbbb	
00 20 0000 cccc	
00 21 0000 dddd	MIDI CC VALUE MIN (0 - 127) x 127
# 00 22 0000 aaaa	
00 23 0000 bbbb	
00 24 0000 cccc	
00 25 0000 dddd	MIDI CC VALUE MAX (0 - 127) x 127
00 26 0000 0000	N/A(fixed value) (0)
00 27 0aaa aaaa	MIDI PC# (0 - 127) 1 - 128
# 00 28 0000 aaaa	
00 29 0000 bbbb	MIDI BANK MSB (0 - 128) OFF, 1 - 128
# 00 2A 0000 aaaa	
00 2B 0000 bbbb	MIDI BANK LSB (0 - 128) OFF, 1 - 128
	From "SW" to "MIDI BANK LSB" are group parameters. The DT1 to each parameter is temporarily suspended, and the DT1 to the group parameter final address automatically checks the pending parameters, and if there is no problem, the value is set. If the value is incomplete it will not be set. Parameters before set are read out for the RQ1 to pending parameters. Pending values can not be read. The values of all parameters must be set in the above range. If it is out of range, no value will be written. The TARGET MIN and the TARGET MAX must be in the range from the lower limit to the upper limit to the parameter specified by the TARGET. If the TARGET is set to the MIDI CC#, the TARGET MIN and the TARGET MAX must be set from -32768 to 32767. If the TARGET is set to the MIDI PC#, the TARGET MIN and the TARGET MAX must be set from 0 to 1. These are the special rule.

Offset Address	Description
	In addition, you need to add 32768 to the value set for the TARGET MIN or the TARGET MAX. For example, if the TARGET is set to COMP:SUSTAIN and you set the TARGET MIN to 0 and the TARGET MAX to 100, you must set (0 + 32768) = 32768 for the TARGET MIN and (100 + 32768) = 32868 for the TARGET MAX. The ACT RANGE HI must be set to a value equal to or greater than the ACT RANGE LO. The MIDI BANK LSB must be set to OFF, if the MIDI BANK MSB is set to OFF.
00 00 00 2C	Total Size

*2 ASSIGN TARGET TABLE

#	Category	Target
0	COMP	ON OFF
1	COMP	TYPE
2	COMP	SUSTAIN
3	COMP	ATTACK
4	COMP	LEVEL
5	COMP	tone
6	COMP	RATIO
7	COMP	DIRECT MIX
8	OD DS 1	ON OFF
9	OD DS 1	TYPE
10	OD DS 1	DRIVE
11	OD DS 1	tone
12	OD DS 1	EFFECT LEVEL
13	OD DS 1	BOTTOM
14	OD DS 1	DIRECT MIX
15	OD DS 1	SOLO SW
16	OD DS 1	SOLO LEVEL
17	OD DS 2	ON OFF
18	OD DS 2	TYPE
19	OD DS 2	DRIVE
20	OD DS 2	tone
21	OD DS 2	EFFECT LEVEL
22	OD DS 2	BOTTOM
23	OD DS 2	DIRECT MIX
24	OD DS 2	SOLO SW
25	OD DS 2	SOLO LEVEL
26	PREAMP 1	ON OFF
27	PREAMP 1	TYPE
28	PREAMP 1	GAIN
29	PREAMP 1	TMCOMPMPRE
30	PREAMP 1	TMCOMPMPST
31	PREAMP 1	LEVEL
32	PREAMP 1	BASS
33	PREAMP 1	MODDLE
34	PREAMP 1	TREBLE
35	PREAMP 1	PRESENCE
36	PREAMP 1	BRIGHT
37	PREAMP 1	GAIN SW
38	PREAMP 1	SOLO SW
39	PREAMP 1	SOLO LEVEL
40	PREAMP 2	ON OFF
41	PREAMP 2	TYPE
42	PREAMP 2	GAIN
43	PREAMP 2	TMCOMPMPRE
44	PREAMP 2	TMCOMPMPST
45	PREAMP 2	LEVEL
46	PREAMP 2	BASS
47	PREAMP 2	MODDLE
48	PREAMP 2	TREBLE
49	PREAMP 2	PRESENCE
50	PREAMP 2	BRIGHT
51	PREAMP 2	GAIN SW
52	PREAMP 2	SOLO SW
53	PREAMP 2	SOLO LEVEL
54	NS 1	ON OFF
55	NS 1	THRESHOLD
56	NS 1	RELEASE
57	NS 1	DETECT
58	NS 2	ON OFF
59	NS 2	THRESHOLD
60	NS 2	RELEASE
61	NS 2	DETECT
62	EQ 1	ON OFF
63	EQ 1	TYPE
64	EQ 1 PARAMETRIC	PARAMETRIC EQ LOW GAIN
65	EQ 1 PARAMETRIC	PARAMETRIC EQ HIGH GAIN
66	EQ 1 PARAMETRIC	PARAMETRIC EQ LEVEL
67	EQ 1 PARAMETRIC	PARAMETRIC EQ LOWMMID FREQ
68	EQ 1 PARAMETRIC	PARAMETRIC EQ LOWMMID Q
69	EQ 1 PARAMETRIC	PARAMETRIC EQ LOWMMID GAIN
70	EQ 1 PARAMETRIC	PARAMETRIC EQ HIGHMMID FREQ
71	EQ 1 PARAMETRIC	PARAMETRIC EQ HIGHMMID Q
72	EQ 1 PARAMETRIC	PARAMETRIC EQ HIGHMMID GAIN
73	EQ 1 PARAMETRIC	PARAMETRIC EQ LOW CUT
74	EQ 1 PARAMETRIC	PARAMETRIC EQ HIGH CUT
75	EQ 1 GRAPHIC	GRAPHIC EQ 31Hz
76	EQ 1 GRAPHIC	GRAPHIC EQ 62Hz
77	EQ 1 GRAPHIC	GRAPHIC EQ 125Hz
78	EQ 1 GRAPHIC	GRAPHIC EQ 250Hz
79	EQ 1 GRAPHIC	GRAPHIC EQ 500Hz
80	EQ 1 GRAPHIC	GRAPHIC EQ 1kHz
81	EQ 1 GRAPHIC	GRAPHIC EQ 2kHz
82	EQ 1 GRAPHIC	GRAPHIC EQ 4kHz
83	EQ 1 GRAPHIC	GRAPHIC EQ 8kHz

#	Category	Target
84	EQ 1 GRAPHIC	GRAPHIC EQ 16kHz
85	EQ 1 GRAPHIC	GRAPHIC EQ LEVEL
86	EQ 2	ON OFF
87	EQ 2	TYPE
88	EQ 2 PARAMETRIC	PARAMETRIC EQ LOW GAIN
89	EQ 2 PARAMETRIC	PARAMETRIC EQ HIGH GAIN
90	EQ 2 PARAMETRIC	PARAMETRIC EQ LEVEL
91	EQ 2 PARAMETRIC	PARAMETRIC EQ LOWMID FREQ
92	EQ 2 PARAMETRIC	PARAMETRIC EQ LOWMID Q
93	EQ 2 PARAMETRIC	PARAMETRIC EQ LOWMID GAIN
94	EQ 2 PARAMETRIC	PARAMETRIC EQ HIGHMID FREQ
95	EQ 2 PARAMETRIC	PARAMETRIC EQ HIGHMID Q
96	EQ 2 PARAMETRIC	PARAMETRIC EQ HIGHMID GAIN
97	EQ 2 PARAMETRIC	PARAMETRIC EQ LOW CUT
98	EQ 2 PARAMETRIC	PARAMETRIC EQ HIGH CUT
99	EQ 2 GRAPHIC	GRAPHIC EQ 31Hz
100	EQ 2 GRAPHIC	GRAPHIC EQ 62Hz
101	EQ 2 GRAPHIC	GRAPHIC EQ 125Hz
102	EQ 2 GRAPHIC	GRAPHIC EQ 250Hz
103	EQ 2 GRAPHIC	GRAPHIC EQ 500Hz
104	EQ 2 GRAPHIC	GRAPHIC EQ 1kHz
105	EQ 2 GRAPHIC	GRAPHIC EQ 2kHz
106	EQ 2 GRAPHIC	GRAPHIC EQ 4kHz
107	EQ 2 GRAPHIC	GRAPHIC EQ 8kHz
108	EQ 2 GRAPHIC	GRAPHIC EQ 16kHz
109	EQ 2 GRAPHIC	GRAPHIC EQ LEVEL
110	EQ 3	ON OFF
111	EQ 3	TYPE
112	EQ 3 PARAMETRIC	PARAMETRIC EQ LOW GAIN
113	EQ 3 PARAMETRIC	PARAMETRIC EQ HIGH GAIN
114	EQ 3 PARAMETRIC	PARAMETRIC EQ LEVEL
115	EQ 3 PARAMETRIC	PARAMETRIC EQ LOWMID FREQ
116	EQ 3 PARAMETRIC	PARAMETRIC EQ LOWMID Q
117	EQ 3 PARAMETRIC	PARAMETRIC EQ LOWMID GAIN
118	EQ 3 PARAMETRIC	PARAMETRIC EQ HIGHMID FREQ
119	EQ 3 PARAMETRIC	PARAMETRIC EQ HIGHMID Q
120	EQ 3 PARAMETRIC	PARAMETRIC EQ HIGHMID GAIN
121	EQ 3 PARAMETRIC	PARAMETRIC EQ LOW CUT
122	EQ 3 PARAMETRIC	PARAMETRIC EQ HIGH CUT
123	EQ 3 GRAPHIC	GRAPHIC EQ 31Hz
124	EQ 3 GRAPHIC	GRAPHIC EQ 62Hz
125	EQ 3 GRAPHIC	GRAPHIC EQ 125Hz
126	EQ 3 GRAPHIC	GRAPHIC EQ 250Hz
127	EQ 3 GRAPHIC	GRAPHIC EQ 500Hz
128	EQ 3 GRAPHIC	GRAPHIC EQ 1kHz
129	EQ 3 GRAPHIC	GRAPHIC EQ 2kHz
130	EQ 3 GRAPHIC	GRAPHIC EQ 4kHz
131	EQ 3 GRAPHIC	GRAPHIC EQ 8kHz
132	EQ 3 GRAPHIC	GRAPHIC EQ 16kHz
133	EQ 3 GRAPHIC	GRAPHIC EQ LEVEL
134	EQ 4	ON OFF
135	EQ 4	TYPE
136	EQ 4 PARAMETRIC	PARAMETRIC EQ LOW GAIN
137	EQ 4 PARAMETRIC	PARAMETRIC EQ HIGH GAIN
138	EQ 4 PARAMETRIC	PARAMETRIC EQ LEVEL
139	EQ 4 PARAMETRIC	PARAMETRIC EQ LOWMID FREQ
140	EQ 4 PARAMETRIC	PARAMETRIC EQ LOWMID Q
141	EQ 4 PARAMETRIC	PARAMETRIC EQ LOWMID GAIN
142	EQ 4 PARAMETRIC	PARAMETRIC EQ HIGHMID FREQ
143	EQ 4 PARAMETRIC	PARAMETRIC EQ HIGHMID Q
144	EQ 4 PARAMETRIC	PARAMETRIC EQ HIGHMID GAIN
145	EQ 4 PARAMETRIC	PARAMETRIC EQ LOW CUT
146	EQ 4 PARAMETRIC	PARAMETRIC EQ HIGH CUT
147	EQ 4 GRAPHIC	GRAPHIC EQ 31Hz
148	EQ 4 GRAPHIC	GRAPHIC EQ 62Hz
149	EQ 4 GRAPHIC	GRAPHIC EQ 125Hz
150	EQ 4 GRAPHIC	GRAPHIC EQ 250Hz
151	EQ 4 GRAPHIC	GRAPHIC EQ 500Hz
152	EQ 4 GRAPHIC	GRAPHIC EQ 1kHz
153	EQ 4 GRAPHIC	GRAPHIC EQ 2kHz
154	EQ 4 GRAPHIC	GRAPHIC EQ 4kHz
155	EQ 4 GRAPHIC	GRAPHIC EQ 8kHz
156	EQ 4 GRAPHIC	GRAPHIC EQ 16kHz
157	EQ 4 GRAPHIC	GRAPHIC EQ LEVEL
158	DELAY 1	ON OFF
159	DELAY 1	TIME
160	DELAY 1	FEEDBACK
161	DELAY 1	HIGH CUT
162	DELAY 1	EFFECT LEVEL
163	DELAY 1	DIRECT LEVEL
164	DELAY 2	ON OFF
165	DELAY 2	TIME
166	DELAY 2	FEEDBACK
167	DELAY 2	HIGH CUT
168	DELAY 2	EFFECT LEVEL
169	DELAY 2	DIRECT LEVEL
170	DELAY 3	ON OFF
171	DELAY 3	TIME
172	DELAY 3	FEEDBACK
173	DELAY 3	HIGH CUT
174	DELAY 3	EFFECT LEVEL
175	DELAY 3	DIRECT LEVEL
176	DELAY 4	ON OFF
177	DELAY 4	TIME
178	DELAY 4	FEEDBACK
179	DELAY 4	HIGH CUT
180	DELAY 4	EFFECT LEVEL
181	DELAY 4	DIRECT LEVEL
182	MASTER DELAY	ON OFF
183	MASTER DELAY	TYPE
184	MASTER DELAY	TIME
185	MASTER DELAY	FEEDBACK
186	MASTER DELAY	HIGH CUT
187	MASTER DELAY	EFFECT LEVEL
188	MASTER DELAY	DIRECT LEVEL
189	MASTER DELAY	MOD RATE

#	Category	Target
190	MASTER DELAY	MOD DEPTH
191	MASTER DELAY	DUCK SENS
192	MASTER DELAY	DUCK PRE DEPTH
193	MASTER DELAY	DUCK POST DEPTH
194	MASTER DELAY SHIMMER	SIMMER PITCH
195	MASTER DELAY SHIMMER	SIMMER PITCH BAL
196	MASTER DELAY DUAL	DUAL MODE
197	MASTER DELAY DUAL	DUAL D1 TYPE
198	MASTER DELAY DUAL	DUAL D1 TIME
199	MASTER DELAY DUAL	DUAL D1 FEEDBACK
200	MASTER DELAY DUAL	DUAL D1 HIGH CUT
201	MASTER DELAY DUAL	DUAL D1 EFFECT LEVEL
202	MASTER DELAY DUAL	DUAL D2 TYPE
203	MASTER DELAY DUAL	DUAL D2 TIME
204	MASTER DELAY DUAL	DUAL D2 FEEDBACK
205	MASTER DELAY DUAL	DUAL D2 HIGH CUT
206	MASTER DELAY DUAL	DUAL D2 EFFECT LEVEL
207	MASTER DELAY TWIST	TWIST RISE TIME
208	MASTER DELAY TWIST	TWIST FALL TIME
209	MASTER DELAY	WARP TWIST LEVEL
210	MASTER DELAY TAPE	TAPE HEAD
211	MASTER DELAY	PAN TAP TIME
213	CHORUS	ON OFF
214	CHORUS	TYPE
215	CHORUS	RATE
216	CHORUS	DEPTH
217	CHORUS	PRE DELAY
218	CHORUS	EFFECT LEVEL
219	CHORUS	DIRECT LEVEL
220	CHORUS	WAVE FORM
221	CHORUS	LOW CUT
222	CHORUS	HIGH CUT
223	CHORUS DUAL	DUAL RATE 1
224	CHORUS DUAL	DUAL DEPTH 1
225	CHORUS DUAL	DUAL PRE DELAY 1
226	CHORUS DUAL	DUAL EFFECT LEVEL 1
227	CHORUS DUAL	DUAL WAVE FORM 1
228	CHORUS DUAL	DUAL LOW CUT 1
229	CHORUS DUAL	DUAL HIGH CUT 1
230	CHORUS DUAL	DUAL RATE 2
231	CHORUS DUAL	DUAL DEPTH 2
232	CHORUS DUAL	DUAL PRE DELAY 2
233	CHORUS DUAL	DUAL EFFECT LEVEL 2
234	CHORUS DUAL	DUAL WAVE FORM 2
235	CHORUS DUAL	DUAL LOW CUT 2
236	CHORUS DUAL	DUAL HIGH CUT 2
237	FX1	ON OFF
238	FX1	TYPE
239	FX1 ACO	AC GUITAR SIM BODY
240	FX1 ACO	AC GUITAR SIM LOW
241	FX1 ACO	AC GUITAR SIM HIGH
242	FX1 ACO	AC GUITAR SIM LEVEL
243	FX1 ACR	AC RESONANCE TYPE
244	FX1 ACR	AC RESONANCE RESONANCE
245	FX1 ACR	AC RESONANCE TONE
246	FX1 ACR	AC RESONANCE LEVEL
247	FX1 AW	AUTO WAH FILTER MODE
248	FX1 AW	AUTO WAH RATE
249	FX1 AW	AUTO WAH DEPTH
250	FX1 AW	AUTO WAH EFFECT LEVEL
251	FX1 AW	AUTO WAH FREQUENCY
252	FX1 AW	AUTO WAH RESONANCE
253	FX1 AW	AUTO WAH WAVE FORM
254	FX1 AW	AUTO WAH DIRECT MIX
255	FX1 CHO	CHORUS CHORUS TYPE
256	FX1 CHO	CHORUS RATE
257	FX1 CHO	CHORUS DEPTH
258	FX1 CHO	CHORUS EFFECT LEVEL
259	FX1 CHO	CHORUS PRE DELAY
260	FX1 CHO	CHORUS DIRECT LEVEL
261	FX1 CHO	CHORUS WAVE FORM
262	FX1 CHO	CHORUS LOW CUT
263	FX1 CHO	CHORUS HIGH CUT
264	FX1 CHO PRIME	CHORUS PRIME SWEETNESS
265	FX1 CHO PRIME	CHORUS PRIME BELL
266	FX1 CHO	CHORUS OUTPUT MODE
268	FX1 CHO CE1	CHORUS CEM1 PREAMP SW
269	FX1 CHO CE1	CHORUS CEM1 PREAMP GAIN
270	FX1 CHO CE1	CHORUS CEM1 PREAMP LEVEL
271	FX1 CHO DUAL	CHORUS DUAL RATE 1
272	FX1 CHO DUAL	CHORUS DUAL DEPTH 1
273	FX1 CHO DUAL	CHORUS DUAL PRE DELAY 1
274	FX1 CHO DUAL	CHORUS DUAL EFFECT LEVEL 1
275	FX1 CHO DUAL	CHORUS DUAL WAVE FORM 1
276	FX1 CHO DUAL	CHORUS DUAL LOW CUT 1
277	FX1 CHO DUAL	CHORUS DUAL HIGH CUT 1
278	FX1 CHO DUAL	CHORUS DUAL RATE 2
279	FX1 CHO DUAL	CHORUS DUAL DEPTH 2
280	FX1 CHO DUAL	CHORUS DUAL PRE DELAY 2
281	FX1 CHO DUAL	CHORUS DUAL EFFECT LEVEL 2
282	FX1 CHO DUAL	CHORUS DUAL WAVE FORM 2
283	FX1 CHO DUAL	CHORUS DUAL LOW CUT 2
284	FX1 CHO DUAL	CHORUS DUAL HIGH CUT 2
285	FX1 CV	CLASSICMVBIE MODE
286	FX1 CV	CLASSICMVBIE RATE
287	FX1 CV	CLASSICMVBIE DEPTH
288	FX1 CV	CLASSICMVBIE EFFECT LEVEL
289	FX1 CMP	COMPRESSOR TYPE
290	FX1 CMP	COMPRESSOR SUSTAIN
291	FX1 CMP	COMPRESSOR ATTACK
292	FX1 CMP	COMPRESSOR LEVEL
293	FX1 CMP	COMPRESSOR TONE
294	FX1 CMP	COMPRESSOR RATIO
295	FX1 CMP	COMPRESSOR DIRECT MIX
296	FX1 DEF	DEFRETTER SENS
297	FX1 DEF	DEFRETTER DEPTH

#	Category	Target
298	FX1 DEF	DEFRETTER TONE
299	FX1 DEF	DEFRETTER EFFECT LEVEL
300	FX1 DEF	DEFRETTER ATTACK
301	FX1 DEF	DEFRETTER RESONANCE
302	FX1 DEF	DEFRETTER DIRECT MIX
303	FX1 FB	FEEDBACKER MODE
304	FX1 FB	FEEDBACKER TRIGGER
305	FX1 FB	FEEDBACKER RISE TIME
306	FX1 FB	FEEDBACKER OCTAVE RISE TIME
307	FX1 FB	FEEDBACKER FEEDBACK
308	FX1 FB	FEEDBACKER OCTAVE FEEDBACK
309	FX1 FB	FEEDBACKER VIB RATE
310	FX1 FB	FEEDBACKER VIB DEPTH
311	FX1 FL	FLANGER RATE
312	FX1 FL	FLANGER DEPTH
313	FX1 FL	FLANGER RESONANCE
314	FX1 FL	FLANGER MANUAL
315	FX1 FL	FLANGER DIRECT MIX
316	FX1 FL	FLANGER EFFECT LEVEL
317	FX1 FL	FLANGER TURBO
318	FX1 FL	FLANGER WAVEFORM
319	FX1 FL	FLANGER STEPRATE
320	FX1 FL	FLANGER SEPARATION
321	FX1 FL	FLANGER LOW DAMP
322	FX1 FL	FLANGER HIGH DAMP
323	FX1 FL	FLANGER LOW CUT
324	FX1 FL	FLANGER HIGH CUT
325	FX1 HRM	HARMONIST VOICE
326	FX1 HRM	HARMONIST HR1 HARMONY
327	FX1 HRM	HARMONIST HR2 HARMONY
328	FX1 HRM	HARMONIST DIRECT LEVEL
329	FX1 HRM	HARMONIST HR1 LEVEL
330	FX1 HRM	HARMONIST HR1 PRE DELAY
331	FX1 HRM	HARMONIST HR1 FEEDBACK
332	FX1 HRM	HARMONIST HR2 LEVEL
333	FX1 HRM	HARMONIST HR2 PRE DELAY
334	FX1 HMN	HUMANIZER MODE
335	FX1 HMN	HUMANIZER VOWEL1
336	FX1 HMN	HUMANIZER VOWEL2
337	FX1 HMN	HUMANIZER SENS
338	FX1 HMN	HUMANIZER RATE
339	FX1 HMN	HUMANIZER DEPTH
340	FX1 HMN	HUMANIZER MANUAL
341	FX1 HMN	HUMANIZER LEVEL
342	FX1 OC	OCTAVE OCTAVE TYPE
343	FX1 OC	OCTAVE OCT2
344	FX1 OC	OCTAVE OCT1
345	FX1 OC	OCTAVE DIRECT LEVEL
346	FX1 OC	OCTAVE RANGE
347	FX1 OC	OCTAVE POLY OCTAVE LEVEL
348	FX1 OT	OVERTONE LOWER LEVEL
349	FX1 OT	OVERTONE UPPER LEVEL
350	FX1 OT	OVERTONE UNISON LEVEL
351	FX1 OT	OVERTONE DIRECT LEVEL
352	FX1 OT	OVERTONE DETUNE
353	FX1 OT	OVERTONE OUTPUT MODE
354	FX1 PAN	PAN RATE
355	FX1 PAN	PAN DEPTH
356	FX1 PAN	PAN WAVEFORM
357	FX1 PAN	PAN EFFECT LEVEL
358	FX1 PAN	PAN DIRECT MIX
359	FX1 PH	PHASER STAGE
360	FX1 PH	PHASER RATE
361	FX1 PH	PHASER DEPTH
362	FX1 PH	PHASER RESONANCE
363	FX1 PH	PHASER MANUAL
364	FX1 PH	PHASER BIMPHASE
365	FX1 PH	PHASER WAVEFORM
366	FX1 PH	PHASER STEP RATE
367	FX1 PH	PHASER SEPARATION
368	FX1 PH	PHASER EFFECT LEVEL
369	FX1 PH	PHASER LOW DAMP
370	FX1 PH	PHASER HIGH DAMP
371	FX1 PH	PHASER LOW CUT
372	FX1 PH	PHASER HIGH CUT
373	FX1 PH	PHASER DIRECT MIX
374	FX1 PS	PITCH SHIFTER VOICE
375	FX1 PS	PITCH SHIFTER PS1 PITCH
376	FX1 PS	PITCH SHIFTER PS2 PITCH
377	FX1 PS	PITCH SHIFTER DIRECT LEVEL
378	FX1 PS	PITCH SHIFTER PS1 MODE
379	FX1 PS	PITCH SHIFTER PS1 FINE
380	FX1 PS	PITCH SHIFTER PS1 PRE DELAY
381	FX1 PS	PITCH SHIFTER PS1 LEVEL
382	FX1 PS	PITCH SHIFTER PS1 FEEDBACK
383	FX1 PS	PITCH SHIFTER PS2 MODE
384	FX1 PS	PITCH SHIFTER PS2 FINE
385	FX1 PS	PITCH SHIFTER PS2 PRE DELAY
386	FX1 PS	PITCH SHIFTER PS2 LEVEL
387	FX1 RM	RING MOD INTELLIGENT
388	FX1 RM	RING MOD FREQUENCY
389	FX1 RM	RING MOD FREQ MOD RATE
390	FX1 RM	RING MOD FREQ MOD DEPTH
391	FX1 RM	RING MOD EFFECT LEVEL
392	FX1 RM	RING MOD DIRECT MIX
393	FX1 RT	ROTARY SPEED SELECT
394	FX1 RT	ROTARY SLOW RATE
395	FX1 RT	ROTARY FAST RATE
396	FX1 RT	ROTARY EFFECT LEVEL
397	FX1 RT	ROTARY RISE TIME
398	FX1 RT	ROTARY FALL TIME
399	FX1 RT	ROTARY MIC DISTANCE
400	FX1 RT	ROTARY ROTOR HORN
401	FX1 RT	ROTARY DRIVE
402	FX1 RT	ROTARY DIRECT MIX
403	FX1 STR	SITAR SIM SENS

#	Category	Target
404	FX1 STR	SITAR SIM DEPTH
405	FX1 STR	SITAR SIM TONE
406	FX1 STR	SITAR SIM EFFECT LEVEL
407	FX1 STR	SITAR SIM RESONANCE
408	FX1 STR	SITAR SIM BUZZ
409	FX1 STR	SITAR SIM DIRECT MIX
410	FX1 SL	SLICER PATTERN
411	FX1 SL	SLICER RATE
412	FX1 SL	SLICER TRIGGER
413	FX1 SL	SLICER EFFECT LEVEL
414	FX1 SL	SLICER ATTACK
415	FX1 SL	SLICER DUTY
416	FX1 SL	SLICER DIRECT MIX
417	FX1 SG	SLOW GEAR SENS
418	FX1 SG	SLOW GEAR RISE TIME
419	FX1 SG	SLOW GEAR LEVEL
420	FX1 SH	SOUND HOLD TRIGGER
421	FX1 SH	SOUND HOLD RISE TIME
422	FX1 SH	SOUND HOLD EFFECT LEVEL
423	FX1 SB	SMBEND TRIGGER
424	FX1 SB	SMBEND PITCH
425	FX1 SB	SMBEND RISE TIME
426	FX1 SB	SMBEND FALL TIME
427	FX1 TW	TOUCH WAH FILTER MODE
428	FX1 TW	TOUCH WAH POLARITY
429	FX1 TW	TOUCH WAH SENS
430	FX1 TW	TOUCH WAH FREQUENCY
431	FX1 TW	TOUCH WAH RESONANCE
432	FX1 TW	TOUCH WAH DECAY
433	FX1 TW	TOUCH WAH EFFECT LEVEL
434	FX1 TW	TOUCH WAH DIRECT MIX
435	FX1 TR	TREMOLO RATE
436	FX1 TR	TREMOLO DEPTH
437	FX1 TR	TREMOLO WAVEFORM
438	FX1 TR	TREMOLO EFFECT LEVEL
439	FX1 TR	TREMOLO TRIGGER
440	FX1 TR	TREMOLO RISE TIME
441	FX1 TR	TREMOLO DIRECT MIX
442	FX1 VIB	VIBRATO RATE
443	FX1 VIB	VIBRATO DEPTH
444	FX1 VIB	VIBRATO COLOR
445	FX1 VIB	VIBRATO EFFECT LEVEL
446	FX1 VIB	VIBRATO TRIGGER
447	FX1 VIB	VIBRATO RISE TIME
448	FX1 VIB	VIBRATO DIRECT MIX
449	FX2	ON OFF
450	FX2	TYPE
451	FX2 ACO	AC GUITAR SIM BODY
452	FX2 ACO	AC GUITAR SIM LOW
453	FX2 ACO	AC GUITAR SIM HIGH
454	FX2 ACO	AC GUITAR SIM LEVEL
455	FX2 ACR	AC RESONANCE TYPE
456	FX2 ACR	AC RESONANCE RESONANCE
457	FX2 ACR	AC RESONANCE TONE
458	FX2 ACR	AC RESONANCE LEVEL
459	FX2 AW	AUTO WAH FILTER MODE
460	FX2 AW	AUTO WAH RATE
461	FX2 AW	AUTO WAH DEPTH
462	FX2 AW	AUTO WAH EFFECT LEVEL
463	FX2 AW	AUTO WAH FREQUENCY
464	FX2 AW	AUTO WAH RESONANCE
465	FX2 AW	AUTO WAH WAVE FORM
466	FX2 AW	AUTO WAH DIRECT MIX
467	FX2 CHO	CHORUS CHORUS TYPE
468	FX2 CHO	CHORUS RATE
469	FX2 CHO	CHORUS DEPTH
470	FX2 CHO	CHORUS EFFECT LEVEL
471	FX2 CHO	CHORUS PRE DELAY
472	FX2 CHO	CHORUS DIRECT LEVEL
473	FX2 CHO	CHORUS WAVE FORM
474	FX2 CHO	CHORUS LOW CUT
475	FX2 CHO	CHORUS HIGH CUT
476	FX2 CHO PRIME	CHORUS PRIME SWEETNESS
477	FX2 CHO PRIME	CHORUS PRIME BELL
478	FX2 CHO	CHORUS OUTPUT MODE
480	FX2 CHO CE1	CHORUS CEM1 PREAMP SW
481	FX2 CHO CE1	CHORUS CEM1 PREAMP GAIN
482	FX2 CHO CE1	CHORUS CEM1 PREAMP LEVEL
483	FX2 CHO DUAL	CHORUS DUAL RATE 1
484	FX2 CHO DUAL	CHORUS DUAL DEPTH 1
485	FX2 CHO DUAL	CHORUS DUAL PRE DELAY 1
486	FX2 CHO DUAL	CHORUS DUAL EFFECT LEVEL 1
487	FX2 CHO DUAL	CHORUS DUAL WAVE FORM 1
488	FX2 CHO DUAL	CHORUS DUAL LOW CUT 1
489	FX2 CHO DUAL	CHORUS DUAL HIGH CUT 1
490	FX2 CHO DUAL	CHORUS DUAL RATE 2
491	FX2 CHO DUAL	CHORUS DUAL DEPTH 2
492	FX2 CHO DUAL	CHORUS DUAL PRE DELAY 2
493	FX2 CHO DUAL	CHORUS DUAL EFFECT LEVEL 2
494	FX2 CHO DUAL	CHORUS DUAL WAVE FORM 2
495	FX2 CHO DUAL	CHORUS DUAL LOW CUT 2
496	FX2 CHO DUAL	CHORUS DUAL HIGH CUT 2
497	FX2 CV	CLASSICMVBIE MODE
498	FX2 CV	CLASSICMVBIE RATE
499	FX2 CV	CLASSICMVBIE DEPTH
500	FX2 CV	CLASSICMVBIE EFFECT LEVEL
501	FX2 CMP	COMPRESSOR TYPE
502	FX2 CMP	COMPRESSOR SUSTAIN
503	FX2 CMP	COMPRESSOR ATTACK
504	FX2 CMP	COMPRESSOR LEVEL
505	FX2 CMP	COMPRESSOR TONE
506	FX2 CMP	COMPRESSOR RATIO
507	FX2 CMP	COMPRESSOR DIRECT MIX
508	FX2 DEF	DEFRETTER SENS
509	FX2 DEF	DEFRETTER DEPTH
510	FX2 DEF	DEFRETTER TONE

#	Category	Target
511	FX2 DEF	DEFRETTER EFFECT LEVEL
512	FX2 DEF	DEFRETTER ATTACK
513	FX2 DEF	DEFRETTER RESONANCE
514	FX2 DEF	DEFRETTER DIRECT MIX
515	FX2 FB	FEEDBACKER MODE
516	FX2 FB	FEEDBACKER TRIGGER
517	FX2 FB	FEEDBACKER RISE TIME
518	FX2 FB	FEEDBACKER OCTAVE RISE TIME
519	FX2 FB	FEEDBACKER FEEDBACK
520	FX2 FB	FEEDBACKER OCTAVE FEEDBACK
521	FX2 FB	FEEDBACKER VIB RATE
522	FX2 FB	FEEDBACKER VIB DEPTH
523	FX2 FL	FLANGER RATE
524	FX2 FL	FLANGER DEPTH
525	FX2 FL	FLANGER RESONANCE
526	FX2 FL	FLANGER MANUAL
527	FX2 FL	FLANGER DIRECT MIX
528	FX2 FL	FLANGER EFFECT LEVEL
529	FX2 FL	FLANGER TURBO
530	FX2 FL	FLANGER WAVEFORM
531	FX2 FL	FLANGER STEPRATE
532	FX2 FL	FLANGER SEPARATION
533	FX2 FL	FLANGER LOW DAMP
534	FX2 FL	FLANGER HIGH DAMP
535	FX2 FL	FLANGER LOW CUT
536	FX2 FL	FLANGER HIGH CUT
537	FX2 HRM	HARMONIST VOICE
538	FX2 HRM	HARMONIST HR1 HARMONY
539	FX2 HRM	HARMONIST HR2 HARMONY
540	FX2 HRM	HARMONIST DIRECT LEVEL
541	FX2 HRM	HARMONIST HR1 LEVEL
542	FX2 HRM	HARMONIST HR1 PRE DELAY
543	FX2 HRM	HARMONIST HR1 FEEDBACK
544	FX2 HRM	HARMONIST HR2 LEVEL
545	FX2 HRM	HARMONIST HR2 PRE DELAY
546	FX2 HMN	HUMANIZER MODE
547	FX2 HMN	HUMANIZER VOWEL1
548	FX2 HMN	HUMANIZER VOWEL2
549	FX2 HMN	HUMANIZER SENS
550	FX2 HMN	HUMANIZER RATE
551	FX2 HMN	HUMANIZER DEPTH
552	FX2 HMN	HUMANIZER MANUAL
553	FX2 HMN	HUMANIZER LEVEL
554	FX2 OC	OCTAVE OCTAVE TYPE
555	FX2 OC	OCTAVE OCT2
556	FX2 OC	OCTAVE OCT1
557	FX2 OC	OCTAVE DIRECT LEVEL
558	FX2 OC	OCTAVE RANGE
559	FX2 OC	OCTAVE POLY OCTAVE LEVEL
560	FX2 OT	OVERTONE LOWER LEVEL
561	FX2 OT	OVERTONE UPPER LEVEL
562	FX2 OT	OVERTONE UNISON LEVEL
563	FX2 OT	OVERTONE DIRECT LEVEL
564	FX2 OT	OVERTONE DETUNE
565	FX2 OT	OVERTONE OUTPUT MODE
566	FX2 PAN	PAN RATE
567	FX2 PAN	PAN DEPTH
568	FX2 PAN	PAN WAVEFORM
569	FX2 PAN	PAN EFFECT LEVEL
570	FX2 PAN	PAN DIRECT MIX
571	FX2 PH	PHASER STAGE
572	FX2 PH	PHASER RATE
573	FX2 PH	PHASER DEPTH
574	FX2 PH	PHASER RESONANCE
575	FX2 PH	PHASER MANUAL
576	FX2 PH	PHASER BIMPHASE
577	FX2 PH	PHASER WAVEFORM
578	FX2 PH	PHASER STEP RATE
579	FX2 PH	PHASER SEPARATION
580	FX2 PH	PHASER EFFECT LEVEL
581	FX2 PH	PHASER LOW DAMP
582	FX2 PH	PHASER HIGH DAMP
583	FX2 PH	PHASER LOW CUT
584	FX2 PH	PHASER HIGH CUT
585	FX2 PH	PHASER DIRECT MIX
586	FX2 PS	PITCH SHIFTER VOICE
587	FX2 PS	PITCH SHIFTER PS1 PITCH
588	FX2 PS	PITCH SHIFTER PS2 PITCH
589	FX2 PS	PITCH SHIFTER DIRECT LEVEL
590	FX2 PS	PITCH SHIFTER PS1 MODE
591	FX2 PS	PITCH SHIFTER PS1 FINE
592	FX2 PS	PITCH SHIFTER PS1 PRE DELAY
593	FX2 PS	PITCH SHIFTER PS1 LEVEL
594	FX2 PS	PITCH SHIFTER PS1 FEEDBACK
595	FX2 PS	PITCH SHIFTER PS2 MODE
596	FX2 PS	PITCH SHIFTER PS2 FINE
597	FX2 PS	PITCH SHIFTER PS2 PRE DELAY
598	FX2 PS	PITCH SHIFTER PS2 LEVEL
599	FX2 RM	RING MOD INTELLIGENT
600	FX2 RM	RING MOD FREQUENCY
601	FX2 RM	RING MOD FREQ MOD RATE
602	FX2 RM	RING MOD FREQ MOD DEPTH
603	FX2 RM	RING MOD EFFECT LEVEL
604	FX2 RM	RING MOD DIRECT MIX
605	FX2 RT	ROTARY SPEED SELECT
606	FX2 RT	ROTARY SLOW RATE
607	FX2 RT	ROTARY FAST RATE
608	FX2 RT	ROTARY EFFECT LEVEL
609	FX2 RT	ROTARY RISE TIME
610	FX2 RT	ROTARY FALL TIME
611	FX2 RT	ROTARY MIC DISTANCE
612	FX2 RT	ROTARY ROTOR HORN
613	FX2 RT	ROTARY DRIVE
614	FX2 RT	ROTARY DIRECT MIX
615	FX2 STR	SITAR SIM SENS
616	FX2 STR	SITAR SIM DEPTH

#	Category	Target
617	FX2 STR	SITAR SIM TONE
618	FX2 STR	SITAR SIM EFFECT LEVEL
619	FX2 STR	SITAR SIM RESONANCE
620	FX2 STR	SITAR SIM BUZZ
621	FX2 STR	SITAR SIM DIRECT MIX
622	FX2 SL	SLICER PATTERN
623	FX2 SL	SLICER RATE
624	FX2 SL	SLICER TRIGGER
625	FX2 SL	SLICER EFFECT LEVEL
626	FX2 SL	SLICER ATTACK
627	FX2 SL	SLICER DUTY
628	FX2 SL	SLICER DIRECT MIX
629	FX2 SG	SLOW GEAR SENS
630	FX2 SG	SLOW GEAR RISE TIME
631	FX2 SG	SLOW GEAR LEVEL
632	FX2 SH	SOUND HOLD TRIGGER
633	FX2 SH	SOUND HOLD RISE TIME
634	FX2 SH	SOUND HOLD EFFECT LEVEL
635	FX2 SB	SMBEND TRIGGER
636	FX2 SB	SMBEND PITCH
637	FX2 SB	SMBEND RISE TIME
638	FX2 SB	SMBEND FALL TIME
639	FX2 TW	TOUCH WAH FILTER MODE
640	FX2 TW	TOUCH WAH POLARITY
641	FX2 TW	TOUCH WAH SENS
642	FX2 TW	TOUCH WAH FREQUENCY
643	FX2 TW	TOUCH WAH RESONANCE
644	FX2 TW	TOUCH WAH DECAY
645	FX2 TW	TOUCH WAH EFFECT LEVEL
646	FX2 TW	TOUCH WAH DIRECT MIX
647	FX2 TR	TREMOLO RATE
648	FX2 TR	TREMOLO DEPTH
649	FX2 TR	TREMOLO WAVEFORM
650	FX2 TR	TREMOLO EFFECT LEVEL
651	FX2 TR	TREMOLO TRIGGER
652	FX2 TR	TREMOLO RISE TIME
653	FX2 TR	TREMOLO DIRECT MIX
654	FX2 VIB	VIBRATO RATE
655	FX2 VIB	VIBRATO DEPTH
656	FX2 VIB	VIBRATO COLOR
657	FX2 VIB	VIBRATO EFFECT LEVEL
658	FX2 VIB	VIBRATO TRIGGER
659	FX2 VIB	VIBRATO RISE TIME
660	FX2 VIB	VIBRATO DIRECT MIX
661	FX3	ON OFF
662	FX3	TYPE
663	FX3 ACO	AC GUITAR SIM BODY
664	FX3 ACO	AC GUITAR SIM LOW
665	FX3 ACO	AC GUITAR SIM HIGH
666	FX3 ACO	AC GUITAR SIM LEVEL
667	FX3 ACR	AC RESONANCE TYPE
668	FX3 ACR	AC RESONANCE RESONANCE
669	FX3 ACR	AC RESONANCE TONE
670	FX3 ACR	AC RESONANCE LEVEL
671	FX3 AW	AUTO WAH FILTER MODE
672	FX3 AW	AUTO WAH RATE
673	FX3 AW	AUTO WAH DEPTH
674	FX3 AW	AUTO WAH EFFECT LEVEL
675	FX3 AW	AUTO WAH FREQUENCY
676	FX3 AW	AUTO WAH RESONANCE
677	FX3 AW	AUTO WAH WAVE FORM
678	FX3 AW	AUTO WAH DIRECT MIX
679	FX3 CHO	CHORUS CHORUS TYPE
680	FX3 CHO	CHORUS RATE
681	FX3 CHO	CHORUS DEPTH
682	FX3 CHO	CHORUS EFFECT LEVEL
683	FX3 CHO	CHORUS PRE DELAY
684	FX3 CHO	CHORUS DIRECT LEVEL
685	FX3 CHO	CHORUS WAVE FORM
686	FX3 CHO	CHORUS LOW CUT
687	FX3 CHO	CHORUS HIGH CUT
688	FX3 CHO PRIME	CHORUS PRIME SWEETNESS
689	FX3 CHO PRIME	CHORUS PRIME BELL
690	FX3 CHO	CHORUS OUTPUT MODE
692	FX3 CHO CE1	CHORUS CEM1 PREAMP SW
693	FX3 CHO CE1	CHORUS CEM1 PREAMP GAIN
694	FX3 CHO CE1	CHORUS CEM1 PREAMP LEVEL
695	FX3 CHO DUAL	CHORUS DUAL RATE 1
696	FX3 CHO DUAL	CHORUS DUAL DEPTH 1
697	FX3 CHO DUAL	CHORUS DUAL PRE DELAY 1
698	FX3 CHO DUAL	CHORUS DUAL EFFECT LEVEL 1
699	FX3 CHO DUAL	CHORUS DUAL WAVE FORM 1
700	FX3 CHO DUAL	CHORUS DUAL LOW CUT 1
701	FX3 CHO DUAL	CHORUS DUAL HIGH CUT 1
702	FX3 CHO DUAL	CHORUS DUAL RATE 2
703	FX3 CHO DUAL	CHORUS DUAL DEPTH 2
704	FX3 CHO DUAL	CHORUS DUAL PRE DELAY 2
705	FX3 CHO DUAL	CHORUS DUAL EFFECT LEVEL 2
706	FX3 CHO DUAL	CHORUS DUAL WAVE FORM 2
707	FX3 CHO DUAL	CHORUS DUAL LOW CUT 2
708	FX3 CHO DUAL	CHORUS DUAL HIGH CUT 2
709	FX3 CV	CLASSICMVBIE MODE
710	FX3 CV	CLASSICMVBIE RATE
711	FX3 CV	CLASSICMVBIE DEPTH
712	FX3 CV	CLASSICMVBIE EFFECT LEVEL
713	FX3 CMP	COMPRESSOR TYPE
714	FX3 CMP	COMPRESSOR SUSTAIN
715	FX3 CMP	COMPRESSOR ATTACK
716	FX3 CMP	COMPRESSOR LEVEL
717	FX3 CMP	COMPRESSOR TONE
718	FX3 CMP	COMPRESSOR RATIO
719	FX3 CMP	COMPRESSOR DIRECT MIX
720	FX3 DEF	DEFRETTER SENS
721	FX3 DEF	DEFRETTER DEPTH
722	FX3 DEF	DEFRETTER TONE
723	FX3 DEF	DEFRETTER EFFECT LEVEL

#	Category	Target
724	FX3 DEF	DEFRETTER ATTACK
725	FX3 DEF	DEFRETTER RESONANCE
726	FX3 DEF	DEFRETTER DIRECT MIX
727	FX3 FB	FEEDBACKER MODE
728	FX3 FB	FEEDBACKER TRIGGER
729	FX3 FB	FEEDBACKER RISE TIME
730	FX3 FB	FEEDBACKER OCTAVE RISE TIME
731	FX3 FB	FEEDBACKER FEEDBACK
732	FX3 FB	FEEDBACKER OCTAVE FEEDBACK
733	FX3 FB	FEEDBACKER VIB RATE
734	FX3 FB	FEEDBACKER VIB DEPTH
735	FX3 FL	FLANGER RATE
736	FX3 FL	FLANGER DEPTH
737	FX3 FL	FLANGER RESONANCE
738	FX3 FL	FLANGER MANUAL
739	FX3 FL	FLANGER DIRECT MIX
740	FX3 FL	FLANGER EFFECT LEVEL
741	FX3 FL	FLANGER TURBO
742	FX3 FL	FLANGER WAVEFORM
743	FX3 FL	FLANGER STEP RATE
744	FX3 FL	FLANGER SEPARATION
745	FX3 FL	FLANGER LOW DAMP
746	FX3 FL	FLANGER HIGH DAMP
747	FX3 FL	FLANGER LOW CUT
748	FX3 FL	FLANGER HIGH CUT
749	FX3 HRM	HARMONIST VOICE
750	FX3 HRM	HARMONIST HR1 HARMONY
751	FX3 HRM	HARMONIST HR2 HARMONY
752	FX3 HRM	HARMONIST DIRECT LEVEL
753	FX3 HRM	HARMONIST HR1 LEVEL
754	FX3 HRM	HARMONIST HR1 PRE DELAY
755	FX3 HRM	HARMONIST HR1 FEEDBACK
756	FX3 HRM	HARMONIST HR2 LEVEL
757	FX3 HRM	HARMONIST HR2 PRE DELAY
758	FX3 HMN	HUMANIZER MODE
759	FX3 HMN	HUMANIZER VOWEL1
760	FX3 HMN	HUMANIZER VOWEL2
761	FX3 HMN	HUMANIZER SENS
762	FX3 HMN	HUMANIZER RATE
763	FX3 HMN	HUMANIZER DEPTH
764	FX3 HMN	HUMANIZER MANUAL
765	FX3 HMN	HUMANIZER LEVEL
766	FX3 OC	OCTAVE OCTAVE TYPE
767	FX3 OC	OCTAVE OCT2
768	FX3 OC	OCTAVE OCT1
769	FX3 OC	OCTAVE DIRECT LEVEL
770	FX3 OC	OCTAVE RANGE
771	FX3 OC	OCTAVE POLY OCTAVE LEVEL
772	FX3 OT	OVERTONE LOWER LEVEL
773	FX3 OT	OVERTONE UPPER LEVEL
774	FX3 OT	OVERTONE UNISON LEVEL
775	FX3 OT	OVERTONE DIRECT LEVEL
776	FX3 OT	OVERTONE DETUNE
777	FX3 OT	OVERTONE OUTPUT MODE
778	FX3 PAN	PAN RATE
779	FX3 PAN	PAN DEPTH
780	FX3 PAN	PAN WAVEFORM
781	FX3 PAN	PAN EFFECT LEVEL
782	FX3 PAN	PAN DIRECT MIX
783	FX3 PH	PHASER STAGE
784	FX3 PH	PHASER RATE
785	FX3 PH	PHASER DEPTH
786	FX3 PH	PHASER RESONANCE
787	FX3 PH	PHASER MANUAL
788	FX3 PH	PHASER BIPHASE
789	FX3 PH	PHASER WAVEFORM
790	FX3 PH	PHASER STEP RATE
791	FX3 PH	PHASER SEPARATION
792	FX3 PH	PHASER EFFECT LEVEL
793	FX3 PH	PHASER LOW DAMP
794	FX3 PH	PHASER HIGH DAMP
795	FX3 PH	PHASER LOW CUT
796	FX3 PH	PHASER HIGH CUT
797	FX3 PH	PHASER DIRECT MIX
798	FX3 PS	PITCH SHIFTER VOICE
799	FX3 PS	PITCH SHIFTER PS1 PITCH
800	FX3 PS	PITCH SHIFTER PS2 PITCH
801	FX3 PS	PITCH SHIFTER DIRECT LEVEL
802	FX3 PS	PITCH SHIFTER PS1 MODE
803	FX3 PS	PITCH SHIFTER PS1 FINE
804	FX3 PS	PITCH SHIFTER PS1 PRE DELAY
805	FX3 PS	PITCH SHIFTER PS1 LEVEL
806	FX3 PS	PITCH SHIFTER PS1 FEEDBACK
807	FX3 PS	PITCH SHIFTER PS2 MODE
808	FX3 PS	PITCH SHIFTER PS2 FINE
809	FX3 PS	PITCH SHIFTER PS2 PRE DELAY
810	FX3 PS	PITCH SHIFTER PS2 LEVEL
811	FX3 RM	RING MOD INTELLIGENT
812	FX3 RM	RING MOD FREQUENCY
813	FX3 RM	RING MOD FREQ MOD RATE
814	FX3 RM	RING MOD FREQ MOD DEPTH
815	FX3 RM	RING MOD EFFECT LEVEL
816	FX3 RM	RING MOD DIRECT MIX
817	FX3 RT	ROTARY SPEED SELECT
818	FX3 RT	ROTARY SLOW RATE
819	FX3 RT	ROTARY FAST RATE
820	FX3 RT	ROTARY EFFECT LEVEL
821	FX3 RT	ROTARY RISE TIME
822	FX3 RT	ROTARY FALL TIME
823	FX3 RT	ROTARY MIC DISTANCE
824	FX3 RT	ROTARY ROTOR HORN
825	FX3 RT	ROTARY DRIVE
826	FX3 RT	ROTARY DIRECT MIX
827	FX3 STR	SITAR SIM SENS
828	FX3 STR	SITAR SIM DEPTH
829	FX3 STR	SITAR SIM TONE

#	Category	Target
830	FX3 STR	SITAR SIM EFFECT LEVEL
831	FX3 STR	SITAR SIM RESONANCE
832	FX3 STR	SITAR SIM BUZZ
833	FX3 STR	SITAR SIM DIRECT MIX
834	FX3 SL	SLICER PATTERN
835	FX3 SL	SLICER RATE
836	FX3 SL	SLICER TRIGGER
837	FX3 SL	SLICER EFFECT LEVEL
838	FX3 SL	SLICER ATTACK
839	FX3 SL	SLICER DUTY
840	FX3 SL	SLICER DIRECT MIX
841	FX3 SG	SLOW GEAR SENS
842	FX3 SG	SLOW GEAR RISE TIME
843	FX3 SG	SLOW GEAR LEVEL
844	FX3 SH	SOUND HOLD TRIGGER
845	FX3 SH	SOUND HOLD RISE TIME
846	FX3 SH	SOUND HOLD EFFECT LEVEL
847	FX3 SB	SMBEND TRIGGER
848	FX3 SB	SMBEND PITCH
849	FX3 SB	SMBEND RISE TIME
850	FX3 SB	SMBEND FALL TIME
851	FX3 TW	TOUCH WAH FILTER MODE
852	FX3 TW	TOUCH WAH POLARITY
853	FX3 TW	TOUCH WAH SENS
854	FX3 TW	TOUCH WAH FREQUENCY
855	FX3 TW	TOUCH WAH RESONANCE
856	FX3 TW	TOUCH WAH DECAY
857	FX3 TW	TOUCH WAH EFFECT LEVEL
858	FX3 TW	TOUCH WAH DIRECT MIX
859	FX3 TR	TREMOLO RATE
860	FX3 TR	TREMOLO DEPTH
861	FX3 TR	TREMOLO WAVEFORM
862	FX3 TR	TREMOLO EFFECT LEVEL
863	FX3 TR	TREMOLO TRIGGER
864	FX3 TR	TREMOLO RISE TIME
865	FX3 TR	TREMOLO DIRECT MIX
866	FX3 VIB	VIBRATO RATE
867	FX3 VIB	VIBRATO DEPTH
868	FX3 VIB	VIBRATO COLOR
869	FX3 VIB	VIBRATO EFFECT LEVEL
870	FX3 VIB	VIBRATO TRIGGER
871	FX3 VIB	VIBRATO RISE TIME
872	FX3 VIB	VIBRATO DIRECT MIX
873	REVERB	ON OFF
874	REVERB	TYPE
875	REVERB	TIME
876	REVERB	tone
877	REVERB	DENSITY
878	REVERB	EFFECT LEVEL
879	REVERB	PRE DELAY
880	REVERB	LOW CUT
881	REVERB	HIGH CUT
882	REVERB	LOW DAMP
883	REVERB	HIGH DAMP
884	REVERB	MOD RATE
885	REVERB	MOD DEPTH
886	REVERB	DUCK SENS
887	REVERB	DUCK PRE DEPTH
888	REVERB	DUCK POST DEPTH
889	REVERB	DIRECT LEVEL
890	REVERB SHIMMER	SHIMMER PITCH 1
891	REVERB SHIMMER	SHIMMER PITCH 2
892	REVERB SHIMMER	SHIMMER LEVEL 1
893	REVERB SHIMMER	SHIMMER LEVEL 2
894	REVERB DUAL	DUAL TYPE 1
895	REVERB DUAL	DUAL TIME 1
896	REVERB DUAL	DUAL TONE 1
897	REVERB DUAL	DUAL EFFECT LEVEL 1
898	REVERB DUAL	DUAL DENSITY 1
899	REVERB DUAL	DUAL PRE DELAY 1
900	REVERB DUAL	DUAL LOW CUT 1
901	REVERB DUAL	DUAL HIGH CUT 1
902	REVERB DUAL	DUAL TYPE 2
903	REVERB DUAL	DUAL TIME 2
904	REVERB DUAL	DUAL TONE 2
905	REVERB DUAL	DUAL EFFECT LEVEL 2
906	REVERB DUAL	DUAL DENSITY 2
907	REVERB DUAL	DUAL PRE DELAY 2
908	REVERB DUAL	DUAL LOW CUT 2
909	REVERB DUAL	DUAL HIGH CUT 2
910	REVERB TE	TERA ECHO MODE
911	REVERB TE	TERA ECHO SPREAD TIME
912	REVERB TE	TERA ECHO FEEDBACK
914	REVERB TE	TERA ECHO TRIGGER
915	PEDAL FX	ON OFF
916	PEDAL FX	TYPE
917	PEDAL FX BEND	PEDAL BEND PITCH
918	PEDAL FX BEND	PEDAL BEND PEDAL POSITION
919	PEDAL FX	EFFECT LEVEL
920	PEDAL FX	DIRECT MIX
921	PEDAL FX WAH	WAH TYPE
922	PEDAL FX WAH	WAH PEDAL POSITION
923	PEDAL FX WAH	WAH PEDAL MIN
924	PEDAL FX WAH	WAH PEDAL MAX
927	FOOT VOLUME	VOLUME MIN
928	FOOT VOLUME	VOLUME MAX
929	FOOT VOLUME	VOLUME CURVE
930	FOOT VOLUME	LEVEL
931	DIVIDER 1	MODE
932	DIVIDER 1	SINGLE CH SELECT
933	DIVIDER 1	DUAL Ch A DYNAMIC
934	DIVIDER 1	DUAL Ch A DYNAMIC SENS
935	DIVIDER 1	DUAL Ch A FILTER
936	DIVIDER 1	DUAL Ch A CUTOFF FREQUENCY
937	DIVIDER 1	DUAL Ch B DYNAMIC
938	DIVIDER 1	DUAL Ch B DYNAMIC SENS

#	Category	Target
939	DIVIDER 1	DUAL Ch B FILTER
940	DIVIDER 1	DUAL Ch B CUTOFF FREQUENCY
941	DIVIDER 2	MODE
942	DIVIDER 2	SINGLE CH SELECT
943	DIVIDER 2	DUAL Ch A DYNAMIC
944	DIVIDER 2	DUAL Ch A DYNAMIC SENS
945	DIVIDER 2	DUAL Ch A FILTER
946	DIVIDER 2	DUAL Ch A CUTOFF FREQUENCY
947	DIVIDER 2	DUAL Ch B DYNAMIC
948	DIVIDER 2	DUAL Ch B DYNAMIC SENS
949	DIVIDER 2	DUAL Ch B FILTER
950	DIVIDER 2	DUAL Ch B CUTOFF FREQUENCY
951	DIVIDER 3	MODE
952	DIVIDER 3	SINGLE CH SELECT
953	DIVIDER 3	DUAL Ch A DYNAMIC
954	DIVIDER 3	DUAL Ch A DYNAMIC SENS
955	DIVIDER 3	DUAL Ch A FILTER
956	DIVIDER 3	DUAL Ch A CUTOFF FREQUENCY
957	DIVIDER 3	DUAL Ch B DYNAMIC
958	DIVIDER 3	DUAL Ch B DYNAMIC SENS
959	DIVIDER 3	DUAL Ch B FILTER
960	DIVIDER 3	DUAL Ch B CUTOFF FREQUENCY
961	MIXER 1	MODE
962	MIXER 1	Ch A B BALANCE
963	MIXER 1	SPREAD
964	MIXER 2	MODE
965	MIXER 2	Ch A B BALANCE
966	MIXER 2	SPREAD
967	MIXER 3	MODE
968	MIXER 3	Ch A B BALANCE
969	MIXER 3	SPREAD
970	SEND RETURN 1	MODE
971	SEND RETURN 1	SEND LEVEL
972	SEND RETURN 1	RETURN LEVEL
973	SEND RETURN 1	ADJUST
974	SEND RETURN 2	MODE
975	SEND RETURN 2	SEND LEVEL
976	SEND RETURN 2	RETURN LEVEL
977	SEND RETURN 2	ADJUST
981	LOOPER	PLAY LEVEL
982	AMP CTL	AMP CTL 1
983	AMP CTL	AMP CTL 2
984	MASTER	PATCH LEVEL
985	MASTER	BPM
986	MASTER	KEY
987	TUNER	ON/OFF
997	MIDI	MIDI CC
998	MIDI	MIDI PC
1007	MASTER DELAY SHIMMER	SIMMER PITCH FEEDBACK
1008	MASTER DELAY	WARP TWIST TRIGGER
1009	MASTER DELAY TWIST	TWIST MODE
1010	CHORUS DUAL	DUAL OUTPUT MODE
1011	FX1 FB	FEEDBACKER DEPTH
1012	FX1 OT	OVERTONE LOW
1013	FX1 OT	OVERTONE HIGH
1014	FX1 PH	PHASER TYPE
1015	FX2 FB	FEEDBACKER DEPTH
1016	FX2 OT	OVERTONE LOW
1017	FX2 OT	OVERTONE HIGH
1018	FX2 PH	PHASER TYPE
1019	FX3 FB	FEEDBACKER DEPTH
1020	FX3 OT	OVERTONE LOW
1021	FX3 OT	OVERTONE HIGH
1022	FX3 PH	PHASER TYPE
1023	SEND RETURN 1	ON OFF
1024	SEND RETURN 2	ON OFF

* [StompBoxName]

Offset	Address	Description
00 00	0aaa aaaa	Name (32 - 126)
00 01	0aaa aaaa	Name (32 - 126)
00 02	0aaa aaaa	Name (32 - 126)
00 03	0aaa aaaa	Name (32 - 126)
00 04	0aaa aaaa	Name (32 - 126)
00 05	0aaa aaaa	Name (32 - 126)
00 06	0aaa aaaa	Name (32 - 126)
00 07	0aaa aaaa	Name (32 - 126)
00 08	0aaa aaaa	Name (32 - 126)
00 09	0aaa aaaa	Name (32 - 126)
00 0A	0aaa aaaa	Name (32 - 126)
00 0B	0aaa aaaa	Name (32 - 126)
00 0C	0aaa aaaa	Name (32 - 126)
00 0D	0aaa aaaa	Name (32 - 126)
00 0E	0aaa aaaa	Name (32 - 126)
00 0F	0aaa aaaa	Name (32 - 126)
00 00 00 10	Total Size	

* [SystemEfct]

Offset	Address	Description
00 00	0000 000a	PHRASE LOOP:MODE (0 - 1) MONO, STEREO
00 01	0000 000a	PHRASE LOOP:REC ACTION (0 - 1) REC>PLAY>DUB, REC>DUB>PLAY
00 02	0aaa aaaa	METRONOME LEVEL (0 - 100)
00 03	0000 0aaa	MAIN:GROUND LIFT (0 - 5) 1, 2, 3, 4, 5, 6
00 04	0000 00aa	TOTAL:METRONOME OUT (0 - 2) MAIN OUT, SUB OUT, MAIN+SUB
00 00 00 05	Total Size	

* [SystemInOut]

Offset	Address	Description
00 00	00aa aaaa	INPUT LEVEL (12 - 52) -20 - 0 - +20 [dB]
00 01	000a aaaa	MAIN:AIRD OUTPUT SELECT (0 - 23) LINE/PHONES, RECORDING, JC-120 RETURN, JC-120 INPUT, Blues Cube Tour410 RETURN, Blues Cube Tour410 INPUT, Blues Cube Artist212 RETURN, Blues Cube Artist212 INPUT, WAZA Amp 412 RETURN, WAZA Amp 412 INPUT, WAZA Amp 212 RETURN, WAZA Amp 212 INPUT, KATANA-100/212 RETURN, KATANA-100/212 INPUT, KATANA-100 RETURN, KATANA-100 INPUT, TUBE COMBO 212 RETURN, TUBE COMBO 212 INPUT, TUBE COMBO 112 RETURN, TUBE COMBO 112 INPUT, TUBE STACK 412 RETURN, TUBE STACK 412 INPUT, USER 1, USER 2
00 02	000a aaaa	MAIN R:AIRD OUTPUT SELECT (0 - 23) LINE/PHONES, RECORDING, JC-120 RETURN, JC-120 INPUT, Blues Cube Tour410 RETURN, Blues Cube Tour410 INPUT, Blues Cube Artist212 RETURN, Blues Cube Artist212 INPUT, WAZA Amp 412 RETURN, WAZA Amp 412 INPUT, WAZA Amp 212 RETURN, WAZA Amp 212 INPUT, KATANA-100/212 RETURN, KATANA-100/212 INPUT, KATANA-100 RETURN, KATANA-100 INPUT, TUBE COMBO 212 RETURN, TUBE COMBO 212 INPUT, TUBE COMBO 112 RETURN, TUBE COMBO 112 INPUT, TUBE STACK 412 RETURN, TUBE STACK 412 INPUT, USER 1, USER 2
00 03	00aa aaaa	MAIN L:LOW GAIN (12 - 52) -20 - 0 - +20 [dB]
00 04	00aa aaaa	MAIN L:MID GAIN (12 - 52) -20 - 0 - +20 [dB]
00 05	000a aaaa	MAIN L:MID FREQ (0 - 29) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz
00 06	0000 0aaa	MAIN L:MID Q (0 - 5) 0.5, 1, 2, 4, 8, 16
00 07	00aa aaaa	MAIN L:HIG GAIN (12 - 52) -20 - 0 - +20 [dB]
00 08	000a aaaa	MAIN L:LOW CUT (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
00 09	000a aaaa	MAIN L:HIG CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
00 0A	00aa aaaa	MAIN R:LOW GAIN (12 - 52) -20 - 0 - +20 [dB]
00 0B	00aa aaaa	MAIN R:MID GAIN (12 - 52) -20 - 0 - +20 [dB]
00 0C	000a aaaa	MAIN R:MID FREQ (0 - 29) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz
00 0D	0000 0aaa	MAIN R:MID Q (0 - 5) 0.5, 1, 2, 4, 8, 16
00 0E	00aa aaaa	MAIN R:HIG GAIN (12 - 52) -20 - 0 - +20 [dB]
00 0F	000a aaaa	MAIN R:LOW CUT (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
00 10	000a aaaa	MAIN R:HIG CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT

Offset	Address	Description
00 11	000a aaaa	SUB:AI RD OUTPUT SELECT (0 - 23) LINE/PHONES, RECORDING, JC-120 RETURN, JC-120 INPUT, Blues Cube Tour410 RETURN, Blues Cube Tour410 INPUT, Blues Cube Artist212 RETURN, Blues Cube Artist212 INPUT, WAZA Amp 412 RETURN, WAZA Amp 412 INPUT, WAZA Amp 212 RETURN, WAZA Amp 212 INPUT, KATANA-100/212 RETURN, KATANA-100/212 INPUT, KATANA-100 RETURN, KATANA-100 INPUT, TUBE COMBO 212 RETURN, TUBE COMBO 212 INPUT, TUBE COMBO 112 RETURN, TUBE COMBO 112 INPUT, TUBE STACK 412 RETURN, TUBE STACK 412 INPUT, USER 1, USER 2
00 12	000a aaaa	SUB R:AI RD OUTPUT SELECT (0 - 23) LINE/PHONES, RECORDING, JC-120 RETURN, JC-120 INPUT, Blues Cube Tour410 RETURN, Blues Cube Tour410 INPUT, Blues Cube Artist212 RETURN, Blues Cube Artist212 INPUT, WAZA Amp 412 RETURN, WAZA Amp 412 INPUT, WAZA Amp 212 RETURN, WAZA Amp 212 INPUT, KATANA-100/212 RETURN, KATANA-100/212 INPUT, KATANA-100 RETURN, KATANA-100 INPUT, TUBE COMBO 212 RETURN, TUBE COMBO 212 INPUT, TUBE COMBO 112 RETURN, TUBE COMBO 112 INPUT, TUBE STACK 412 RETURN, TUBE STACK 412 INPUT, USER 1, USER 2
00 13	00aa aaaa	SUB L:LOW GAIN (12 - 52) -20 - 0 - +20 [dB]
00 14	00aa aaaa	SUB L:MID GAIN (12 - 52) -20 - 0 - +20 [dB]
00 15	000a aaaa	SUB L:MID FREQ (0 - 29) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz
00 16	0000 0aaa	SUB L:MID Q (0 - 5) 0.5, 1, 2, 4, 8, 16
00 17	00aa aaaa	SUB L:HIGH GAIN (12 - 52) -20 - 0 - +20 [dB]
00 18	000a aaaa	SUB L:LOW CUT (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
00 19	000a aaaa	SUB L:HIGH CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
00 1A	00aa aaaa	SUB R:LOW GAIN (12 - 52) -20 - 0 - +20 [dB]
00 1B	00aa aaaa	SUB R:MID GAIN (12 - 52) -20 - 0 - +20 [dB]
00 1C	000a aaaa	SUB R:MID FREQ (0 - 29) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz
00 1D	0000 0aaa	SUB R:MID Q (0 - 5) 0.5, 1, 2, 4, 8, 16
00 1E	00aa aaaa	SUB R:HIGH GAIN (12 - 52) -20 - 0 - +20 [dB]
00 1F	000a aaaa	SUB R:LOW CUT (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
00 20	000a aaaa	SUB R:HIGH CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
00 21	0000 00aa	PHONES SETTING (0 - 2) MAIN OUT, SUB OUT, MAIN+SUB
00 22	00aa aaaa	TOTAL: NS THRESHOLD (12 - 52) -20 - 0 - +20 [dB]
# 00 23	0000 aaaa	
00 24	0000 bbbb	TOTAL: REVERB LEVEL (0 - 200) 0 - 200 [%]
00 25	0000 000a	MAIN: LEVEL SELECT (0 - 1) -10dBu, +4dBu
# 00 26	0000 aaaa	
00 27	0000 bbbb	USB DRY: OUT (0 - 200) 0 - 200 [%]
# 00 28	0000 aaaa	
00 29	0000 bbbb	USB DRY: TO EFX (0 - 200) 0 - 200 [%]

Offset	Address	Description
00 2A	0000 000a	N/A(fixed value) (1)
# 00 2B	0000 aaaa	
00 2C	0000 bbbb	USB MAIN: EFX OUT (0 - 200) 0 - 200 [%]
# 00 2D	0000 aaaa	
00 2E	0000 bbbb	USB MAIN: MIX LEVEL (0 - 200) 0 - 200 [%]
00 2F	0000 000a	N/A(fixed value) (1)
# 00 30	0000 aaaa	
00 31	0000 bbbb	USB SUB: EFX OUT (0 - 200) 0 - 200 [%]
# 00 32	0000 aaaa	
00 33	0000 bbbb	USB SUB: MIX LEVEL (0 - 200) 0 - 200 [%]
00 34	0000 000a	N/A(fixed value) (1)
# 00 35	0000 aaaa	
00 36	0000 bbbb	N/A(fixed value) (200)
# 00 37	0000 aaaa	
00 38	0000 bbbb	N/A(fixed value) (200)
00 39	0000 000a	N/A(fixed value) (1)
00 3A	0000 000a	SUB: LEVEL SELECT (0 - 1) -10dBu, +4dBu
00 3B	0aaa aaaa	SUB: OUTPUT LEVEL (0 - 100) OFF, ON
00 3C	0000 000a	SUB: GROUND LIFT (0 - 1) OFF, ON
00 3D	0000 000a	MAIN: STEREO LINK (0 - 1) OFF, ON
00 3E	0000 000a	SUB: STEREO LINK (0 - 1) OFF, ON
00 3F	00aa aaaa	MAIN L: LEVEL (12 - 52) [dB]
00 40	00aa aaaa	MAIN R: LEVEL (12 - 52) [dB]
00 41	00aa aaaa	SUB L: LEVEL (12 - 52) [dB]
00 42	00aa aaaa	SUB R: LEVEL (12 - 52) [dB]
00 00 00 43	Total Size	

* [SetupEfct]

Offset	Address	Description
00 00	0000 000a	N/A(fixed value) (1)
00 01	0000 000a	MAIN: DIR MON (0 - 1) OFF, ON
00 02	0000 000a	SUB: DIR MON (0 - 1) OFF, ON
00 03	0000 000a	N/A(fixed value) (1)
00 00 00 04	Total Size	

* [SystemPitch]

Offset	Address	Description
# 00 00	0000 aaaa	
00 01	0000 bbbb	
00 02	0000 cccc	
00 03	0000 dddd	REFERENCE PITCH (435 - 445) 435 - 445 [Hz]
00 04	0000 00aa	POLY TUNER TYPE (0 - 3) 6-REGULAR, 6-DROP D, 7-REGULAR, 7-DROP A
00 05	000a aaaa	POLY TUNER OFFSET (11 - 16) -5, -4, -3, -2, -1, ----
00 06	0000 00aa	TUNER OUTPUT (0 - 2) MUTE, BYPASS, THRU
00 00 00 07	Total Size	

* [PatchEfect]

Offset	Address	Description
#	00 00	0000 aaaa
	00 01	0000 bbbb
	00 02	0000 cccc
	00 03	0000 dddd FOOT VOLUME:VOLUME MIN (0 - 1000) 0.0 - 100.0
#	00 04	0000 aaaa
	00 05	0000 bbbb
	00 06	0000 cccc
	00 07	0000 dddd FOOT VOLUME:VOLUME MAX (0 - 1000) 0.0 - 100.0
#	00 08	0000 aaaa
	00 09	0000 bbbb
	00 0A	0000 cccc
	00 0B	0000 dddd FOOT VOLUME:PEDAL POSITION (0 - 1000) 0.0 - 100.0
	00 0C	0000 00aa FOOT VOLUME:VOLUME CURVE (0 - 3) SLOW1, SLOW2, NORMAL, FAST
	00 0D	0000 000a DIV1:MODE (0 - 1) SINGLE, DUAL
	00 0E	0000 000a DIV1:CH SELECT (0 - 1) A, B
	00 0F	0000 00aa DIV1 A:DYNAMIC (0 - 2) OFF, POLAR+, POLAR-
	00 10	0aaa aaaa DIV1 A:DYNA SENS (0 - 100)
	00 11	0000 00aa DIV1 A:FILTER (0 - 2) OFF, LPF, HPF
	00 12	000a aaaa DIV1 A:CUTOFF FREQ (0 - 16) 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz
	00 13	0000 00aa DIV1 B:DYNAMIC (0 - 2) OFF, POLAR+, POLAR-
	00 14	0aaa aaaa DIV1 B:DYNA SENS (0 - 100)
	00 15	0000 00aa DIV1 B:FILTER (0 - 2) OFF, LPF, HPF
	00 16	000a aaaa DIV1 B:CUTOFF FREQ (0 - 16) 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz
	00 17	0000 000a MIX1:MODE (0 - 1) STEREO, PAN L/R
	00 18	0aaa aaaa MIX1 A/B BALANCE (0 - 100) 100:0, 100:2 - 100:100 - 2:100, 0:100
	00 19	0aaa aaaa MIX1:SPREAD (0 - 100)
	00 1A	0000 000a DIV2:MODE (0 - 1) SINGLE, DUAL
	00 1B	0000 000a DIV2:CH SELECT (0 - 1) A, B
	00 1C	0000 00aa DIV2 A:DYNAMIC (0 - 2) OFF, POLAR+, POLAR-
	00 1D	0aaa aaaa DIV2 A:DYNA SENS (0 - 100)
	00 1E	0000 00aa DIV2 A:FILTER (0 - 2) OFF, LPF, HPF
	00 1F	000a aaaa DIV2 A:CUTOFF FREQ (0 - 16) 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz
	00 20	0000 00aa DIV2 B:DYNAMIC (0 - 2) OFF, POLAR+, POLAR-
	00 21	0aaa aaaa DIV2 B:DYNA SENS (0 - 100)
	00 22	0000 00aa DIV2 B:FILTER (0 - 2) OFF, LPF, HPF
	00 23	000a aaaa DIV2 B:CUTOFF FREQ (0 - 16) 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz
	00 24	0000 000a MIX2:MODE (0 - 1) STEREO, PAN L/R
	00 25	0aaa aaaa MIX2 A/B BALANCE (0 - 100) 100:0, 100:2 - 100:100 - 2:100, 0:100
	00 26	0aaa aaaa MIX2:SPREAD (0 - 100)
	00 27	0000 000a DIV3:MODE (0 - 1) SINGLE, DUAL
	00 28	0000 000a DIV3:CH SELECT (0 - 1) A, B
	00 29	0000 00aa DIV3 A:DYNAMIC (0 - 2) OFF, POLAR+, POLAR-
	00 2A	0aaa aaaa DIV3 A:DYNA SENS (0 - 100)
	00 2B	0000 00aa DIV3 A:FILTER (0 - 2) OFF, LPF, HPF
	00 2C	000a aaaa DIV3 A:CUTOFF FREQ (0 - 16) 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz
	00 2D	0000 00aa DIV3 B:DYNAMIC (0 - 2) OFF, POLAR+, POLAR-
	00 2E	0aaa aaaa DIV3 B:DYNA SENS (0 - 100)
	00 2F	0000 00aa DIV3 B:FILTER (0 - 2) OFF, LPF, HPF
	00 30	000a aaaa DIV3 B:CUTOFF FREQ (0 - 16) 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz
	00 31	0000 000a MIX3:MODE (0 - 1) STEREO, PAN L/R
	00 32	0aaa aaaa MIX3 A/B BALANCE (0 - 100) 100:0, 100:2 - 100:100 - 2:100, 0:100
	00 33	0aaa aaaa MIX3:SPREAD (0 - 100)
	00 34	0000 000a SEND/RETURN 1/2:STEREO LINK (0 - 1) OFF, ON
	00 35	0000 000a SEND/RETURN 1:ON/OFF (0 - 1) OFF, ON
	00 36	0000 00aa SEND/RETURN 1:MODE (0 - 2) NORMAL, DIRECT MIX, BRANCH OUT

Offset	Address	Description
#	00 37	0000 aaaa
	00 38	0000 bbbb SEND/RETURN 1:SEND LEVEL (0 - 200)
#	00 39	0000 aaaa
	00 3A	0000 bbbb SEND/RETURN 1:RETURN LEVEL (0 - 200)
	00 3B	0aaa aaaa SEND/RETURN 1:ADJUST (0 - 100)
	00 3C	0000 000a SEND/RETURN 2:ON/OFF (0 - 1) OFF, ON
	00 3D	0000 00aa SEND/RETURN 2:MODE (0 - 2) NORMAL, DIRECT MIX, BRANCH OUT
#	00 3E	0000 aaaa
	00 3F	0000 bbbb SEND/RETURN 2:SEND LEVEL (0 - 200)
#	00 40	0000 aaaa
	00 41	0000 bbbb SEND/RETURN 2:RETURN LEVEL (0 - 200)
	00 42	0aaa aaaa SEND/RETURN 2:ADJUST (0 - 100)
	00 43	0000 000a N/A(fixed value) (1)
	00 44	0aaa aaaa LOOPER:PLAY LEVEL (0 - 100)
	00 45	0000 000a MAIN:STEREO LINK (0 - 1) OFF, ON
	00 46	0000 aaaa MAIN L:SP TYPE (0 - 12) OFF, ORIGINAL, 1x8", 1x10", 1x12", 2x12", 4x10", 4x12", 8x12", USER 1, USER 2, USER 3, USER 4
	00 47	0000 0aaa MAIN L:MIC TYPE (0 - 4) DYN57, DYN421, CND451, CND87, FLAT
	00 48	0000 00aa MAIN L:MIC DISTANCE (0 - 2) SHORT, MEDIUM, LONG
	00 49	0000 aaaa MAIN L:MIC POSITION (0 - 10) CENTER, 1cm - 10cm
	00 4A	0aaa aaaa MAIN L:MIC LEVEL (0 - 100)
	00 4B	0aaa aaaa MAIN L:DIRECT MIX (0 - 100)
	00 4C	0000 aaaa MAIN R:SP TYPE (0 - 12) OFF, ORIGINAL, 1x8", 1x10", 1x12", 2x12", 4x10", 4x12", 8x12", USER 1, USER 2, USER 3, USER 4
	00 4D	0000 0aaa MAIN R:MIC TYPE (0 - 4) DYN57, DYN421, CND451, CND87, FLAT
	00 4E	0000 00aa MAIN R:MIC DISTANCE (0 - 2) SHORT, MEDIUM, LONG
	00 4F	0000 aaaa MAIN R:MIC POSITION (0 - 10) CENTER, 1cm - 10cm
	00 50	0aaa aaaa MAIN R:MIC LEVEL (0 - 100)
	00 51	0aaa aaaa MAIN R:DIRECT MIX (0 - 100)
	00 52	0000 000a SUB:STEREO LINK (0 - 1) OFF, ON
	00 53	0000 aaaa SUB L:SP TYPE (0 - 12) OFF, ORIGINAL, 1x8", 1x10", 1x12", 2x12", 4x10", 4x12", 8x12", USER 1, USER 2, USER 3, USER 4
	00 54	0000 0aaa SUB L:MIC TYPE (0 - 4) DYN57, DYN421, CND451, CND87, FLAT
	00 55	0000 00aa SUB L:MIC DISTANCE (0 - 2) SHORT, MEDIUM, LONG
	00 56	0000 aaaa SUB L:MIC POSITION (0 - 10) CENTER, 1cm - 10cm
	00 57	0aaa aaaa SUB L:MIC LEVEL (0 - 100)
	00 58	0aaa aaaa SUB L:DIRECT MIX (0 - 100)
	00 59	0000 aaaa SUB R:SP TYPE (0 - 12) OFF, ORIGINAL, 1x8", 1x10", 1x12", 2x12", 4x10", 4x12", 8x12", USER 1, USER 2, USER 3, USER 4
	00 5A	0000 0aaa SUB R:MIC TYPE (0 - 4) DYN57, DYN421, CND451, CND87, FLAT
	00 5B	0000 00aa SUB R:MIC DISTANCE (0 - 2) SHORT, MEDIUM, LONG
	00 5C	0000 aaaa SUB R:MIC POSITION (0 - 10) CENTER, 1cm - 10cm
	00 5D	0aaa aaaa SUB R:MIC LEVEL (0 - 100)
	00 5E	0aaa aaaa SUB R:DIRECT MIX (0 - 100)
#	00 5F	0000 aaaa
#	00 60	0000 bbbb MASTER:PATCH LEVEL (0 - 200)
	00 61	0000 aaaa
	00 62	0000 bbbb
	00 63	0000 cccc
	00 64	0000 dddd MASTER:BPM (400 - 2500)
	00 65	0000 aaaa MASTER:KEY (0 - 11) C(Am), Db(Bbm), D(Bm), Eb(Cm), E(C#m), F(Dm), F#(D#m), G(Em), Ab(Fm), A(F#m), Bb(Gm), B(G#m)
	00 66	0000 000a MASTER:AMP CTL1 (0 - 1) OFF, ON
	00 67	0000 000a MASTER:AMP CTL2 (0 - 1) OFF, ON
	00 68	00aa aaaa CHAIN ELEMENT1 (0 - 48) *4
	:	:
	:	:
	01 0F	00aa aaaa CHAIN ELEMENT40 (0 - 48) *4
	01 14	00aa aaaa CHAIN ELEMENT45 44(fixed value)
	01 15	00aa aaaa CHAIN ELEMENT46 31(fixed value)
	01 16	00aa aaaa CHAIN ELEMENT47 32(fixed value)
	01 17	00aa aaaa CHAIN ELEMENT48 33(fixed value)
	01 18	00aa aaaa CHAIN ELEMENT49 34(fixed value)
		From "CHAIN ELEMENT1" to "CHAIN ELEMENT49" are group parameters. The DT1 to each parameter is temporarily suspended, and the DT1 to the group parameter final address automatically checks the pending parameters, and if there is no problem, the value is set. If the value is incomplete it will not be set. Parameters before set are read out for the RQ1 to pending parameters. Pending values can not be read.

Offset Address	Description		
01 19	0000 000a	MASTER: CARRYOVER	(0 - 1) OFF, ON
01 1A	0000 000a	CONTROL/ASSIGN: TEMPO HOLD	(0 - 1) OFF, ON
01 1B	0aaa aaaa	CONTROL/ASSIGN: INPUT SENS	(0 - 100)
00 00 01 1C	Total Size		

*4 CHAIN ELEMENT TABLE

#	EFFECT
0	COMPRESSOR
1	DISTORTION 1
2	DISTORTION 2
3	AIRD PREAMP 1
4	AIRD PREAMP 2
5	NOISE SUPPRESSOR 1
6	NOISE SUPPRESSOR 2
7	FX 1
8	FX 2
9	FX 3
10	EQUALIZER 1
11	EQUALIZER 2
12	EQUALIZER 3
13	EQUALIZER 4
14	CHORUS
15	DELAY 1
16	DELAY 2
17	DELAY 3
18	DELAY 4
19	MASTER DELAY
20	(RESERVED)
21	REVERB
22	FOOT VOLUME
23	PEDAL FX
24	SEND/RETURN 1
25	SEND/RETURN 2
26	LOOPER
27	SUB SP.SIMULATOR L
28	SUB SP.SIMULATOR R
29	MAIN SP.SIMULATOR L
30	MAIN SP.SIMULATOR R
31	(RESERVED)
32	(RESERVED)
33	(RESERVED)
34	(RESERVED)
35	DIVIDER 1
36	BRANCH SPLIT1
37	MIXER 1
38	DIVIDER 2
39	BRANCH SPLIT2
40	MIXER 2
41	DIVIDER 3
42	BRANCH SPLIT3
43	MIXER 3
44	(RESERVED)
45	SUB OUT L
46	SUB OUT R
47	MAIN OUT L
48	MAIN OUT R

* Each effect must not appear duplicately.

* Placing the value 20 (RESERVED) immediately after value 19 (MASTER DELAY).

* From order 45th to 49th are fixed positions as values of "44, 31, 32, 33, 34".

* The inner divider / mixer must be placed in the A or B path of the outer divider / mixer.

* When STEREO LINK SW is on, R (or 2) should be placed immediately after L (or 1).

* Placing OUT (MAIN/SUB, L/R) are limited later than SP.SIMULATOR (MAIN/SUB, L/R).

* Placing AIRD PREAMP 1/2 and divider / mixer block which contains PREAMP 1/2 within OUT/SP.SIMULATOR block (MAIN/SUB, L/R) are inhibited.

* [PatchComp]

Offset	Address	Description
00 00	0000 000a	SW (0 - 1) OFF, ON
00 01	0000 0aaa	TYPE (0 - 4) BOSS COMP, X-COMP, D-COMP, ORANGE, STEREO COMP
00 02	0aaa aaaa	SUSTAIN (0 - 100)
00 03	0aaa aaaa	ATTACK (0 - 100)
00 04	0aaa aaaa	LEVEL (0 - 100)
00 05	0aaa aaaa	TONE (14 - 114) -50 - 50
00 06	000a aaaa	RATIO (0 - 17) 1:1, 1.2:1, 1.4:1, 1.6:1, 1.8:1, 2:1, 2.3:1, 2.6:1, 3:1, 3.5:1, 4:1, 5:1, 6:1, 8:1, 10:1, 12:1, 20:1, INF:1
00 07	0aaa aaaa	DIRECT MIX (0 - 100)
00 00 00 08	Total Size	

* [PatchDist1, PatchDist2]

Offset	Address	Description
00 00	0000 000a	SW (0 - 1) OFF, ON
00 01	000a aaaa	TYPE (0 - 23) MID BOOST, CLEAN BOOST, TREBLE BOOST, CRUNCH, NATURAL OD, WARM OD, FAT DS, LEAD DS, METAL DS, OCT FUZZ, A-DIST, X-OD, X-DIST, BLUES OD, OD-1, T-SREAM, TURBO OD, DIST, RAT, GUV DS, DIST+, METAL ZONE, '60S FUZZ, MUFF FUZZ
00 02	0aaa aaaa	DRIVE (0 - 120)
00 03	0aaa aaaa	TONE (14 - 114) -50 - 50
00 04	0aaa aaaa	LEVEL (0 - 100)
00 05	0aaa aaaa	BOTTOM (14 - 114) -50 - 50
00 06	0aaa aaaa	DIRECT MIX (0 - 100)
00 07	0000 000a	SOLO SW (0 - 1) OFF, ON
00 08	0aaa aaaa	SOLO LEVEL (0 - 100)
00 00 00 09	Total Size	

* [PatchPreampA, PatchPreampB]

Offset	Address	Description
00 00	0000 000a	SW (0 - 1) OFF, ON
00 01	0000 aaaa	TYPE (0 - 15) TRANSPARENT, NATURAL, BOUTIQUE, SUPREME, MAXIMUM, JUGGERNAUT, X-CRUNCH, X-HI GAIN, X-MODDED, JC-120, TWIN COMBO, DELUXE COMBO, TWEED COMBO, DIAMOND AMP, BRIT STACK, RECTI STACK
00 02	0aaa aaaa	GAIN (0 - 120)
00 03	000a aaaa	SAG (6 - 26) -10 - 10
00 04	000a aaaa	RESONANCE (6 - 26) -10 - 10
00 05	0aaa aaaa	LEVEL (0 - 100)
00 06	0aaa aaaa	BASS (0 - 100)
00 07	0aaa aaaa	MIDDLE (0 - 100)
00 08	0aaa aaaa	TREBLE (0 - 100)
00 09	0aaa aaaa	PRESENCE (0 - 100)
00 0A	0000 000a	BRIGHT (0 - 1) OFF, ON
00 0B	0000 00aa	GAIN SW (0 - 2) LOW, MIDDLE, HIGH
00 0C	0000 000a	SOLO SW (0 - 1) OFF, ON
00 0D	0aaa aaaa	SOLO LEVEL (0 - 100)
00 00 00 0E	Total Size	

* [PatchNs1, PatchNs2]

Offset	Address	Description
00 00	0000 000a	SW (0 - 1) OFF, ON
00 01	0aaa aaaa	THRESHOLD (0 - 100)
00 02	0aaa aaaa	RELEASE (0 - 100)
00 03	0000 00aa	DETECT (0 - 2) INPUT, NS INPUT, FV OUT
00 00 00 04	Total Size	

* [PatchEq1, PatchEq2, PatchEq3, PatchEq4]

Offset	Address	Description
00 00	0000 000a	SW (0 - 1) OFF, ON
00 01	0000 000a	TYPE (0 - 1) PARAMETRIC, GRAPHIC
00 02	00aa aaaa	LOW GAIN (12 - 52) [dB]

Offset	Address	Description
00 03	00aa aaaa	HIGH GAIN (12 - 52) [dB]
00 04	00aa aaaa	LEVEL (12 - 52) [dB]
00 05	000a aaaa	LOW-MID FREQ (0 - 29) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz
00 06	0000 0aaa	LOW-MID Q (0 - 5) 0.5, 1, 2, 4, 8, 16
00 07	00aa aaaa	LOW-MID GAIN (12 - 52) -20 - 0 - +20 [dB]
00 08	000a aaaa	HIGH-MID FREQ (0 - 29) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz
00 09	0000 0aaa	HIGH-MID Q (0 - 5) 0.5, 1, 2, 4, 8, 16
00 0A	00aa aaaa	HIGH-MID GAIN (12 - 52) -20 - 0 - +20 [dB]
00 0B	000a aaaa	LOW CUT (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
00 0C	000a aaaa	HIGH CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
00 0D	00aa aaaa	LEVEL (12 - 52) -20 - 0 - +20 [dB]
00 0E	00aa aaaa	31.5Hz (12 - 52) -20 - 0 - +20 [dB]
00 0F	00aa aaaa	63Hz (12 - 52) -20 - 0 - +20 [dB]
00 10	00aa aaaa	125Hz (12 - 52) -20 - 0 - +20 [dB]
00 11	00aa aaaa	250Hz (12 - 52) -20 - 0 - +20 [dB]
00 12	00aa aaaa	500Hz (12 - 52) -20 - 0 - +20 [dB]
00 13	00aa aaaa	1kHz (12 - 52) -20 - 0 - +20 [dB]
00 14	00aa aaaa	2kHz (12 - 52) -20 - 0 - +20 [dB]
00 15	00aa aaaa	4kHz (12 - 52) -20 - 0 - +20 [dB]
00 16	00aa aaaa	8kHz (12 - 52) -20 - 0 - +20 [dB]
00 17	00aa aaaa	16kHz (12 - 52) -20 - 0 - +20 [dB]
00 00 00 18	Total Size	

* [PatchDelay1, PatchDelay2, PatchDelay3, PatchDelay4]

Offset	Address	Description
00 00	0000 000a	SW (0 - 1) OFF, ON
# 00 01	0000 aaaa	
00 02	0000 bbbb	
00 03	0000 cccc	
00 04	0000 dddd	TIME (1 - 2018) 1ms - 2000ms, 32nd Note, Triplet 16th Note, Dotted 32nd Note, 16th Note, Triplet 8th Note, Dotted 16th Note, 8th Note, Triplet Quarter Note, Dotted 8th Note, Quarter Note, Triplet Half Note, Dotted Quarter Note, Half Note, Triplet Whole Note, Dotted Half Note, Whole Note, Dotted Whole Note, Double Whole Note
00 05	0aaa aaaa	FEEDBACK (0 - 100)
00 06	000a aaaa	HIGH CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
00 07	0aaa aaaa	EFFECT LEVEL (0 - 120)
00 08	0aaa aaaa	DIRECT LEVEL (0 - 100)
00 00 00 09	Total Size	

* [PatchMstDelay]

Offset	Address	Description
	00 00	0000 000a SW (0 - 1) OFF, ON
	00 01	0000 aaaa TYPE (0 - 11) MONO, PAN, STEREO1, STEREO2, ANALOG, ANALOG ST, TAPE, REVERSE, SHIMMER, DUAL, WARP, TWIST
#	00 02	0000 aaaa
	00 03	0000 bbbb
	00 04	0000 cccc
	00 05	0000 dddd TIME (1 - 2018) 1ms - 2000ms, 32nd Note, Triplet 16th Note, Dotted 32nd Note, 16th Note, Triplet 8th Note, Dotted 16th Note, 8th Note, Triplet Quarter Note, Dotted 8th Note, Quarter Note, Triplet Half Note, Dotted Quarter Note, Half Note, Triplet Whole Note, Dotted Half Note, Whole Note, Dotted Whole Note, Double Whole Note
	00 06	0aaa aaaa FEEDBACK (0 - 100)
	00 07	000a aaaa HIGH CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
	00 08	0aaa aaaa EFFECT LEVEL (0 - 120)
	00 09	0aaa aaaa MOD RATE (0 - 100)
	00 0A	0aaa aaaa MOD DEPTH (0 - 100)
	00 0B	0aaa aaaa DUCK SENS (0 - 100)
	00 0C	0aaa aaaa DUCK PRE DEPTH (0 - 100)
	00 0D	0aaa aaaa DUCK POST DEPTH (0 - 100)
	00 0E	0aaa aaaa DIRECT LEVEL (0 - 100)
	00 0F	00aa aaaa PITCH (8 - 56) -24 - 24
	00 10	0aaa aaaa PITCH BAL (0 - 100)
	00 11	0aaa aaaa PITCH FEEDBACK (0 - 100)
	00 12	0000 00aa DUAL:MODE (0 - 2) SERIES, PARALLEL, L/R
	00 13	0000 00aa D1 TYPE (0 - 3) MONO, PAN, ANALOG, TAPE
#	00 14	0000 aaaa
	00 15	0000 bbbb
	00 16	0000 cccc
	00 17	0000 dddd D1 TIME (1 - 2018) 1ms - 2000ms, 32nd Note, Triplet 16th Note, Dotted 32nd Note, 16th Note, Triplet 8th Note, Dotted 16th Note, 8th Note, Triplet Quarter Note, Dotted 8th Note, Quarter Note, Triplet Half Note, Dotted Quarter Note, Half Note, Triplet Whole Note, Dotted Half Note, Whole Note, Dotted Whole Note, Double Whole Note
	00 18	0aaa aaaa D1 FEEDBACK (0 - 100)
	00 19	000a aaaa D1 HIGH CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
	00 1A	0aaa aaaa D1 EFFECT LEVEL (0 - 120)
	00 1B	0000 00aa D2 TYPE (0 - 3) MONO, PAN, ANALOG, TAPE
#	00 1C	0000 aaaa
	00 1D	0000 bbbb
	00 1E	0000 cccc
	00 1F	0000 dddd D2 TIME (1 - 2018) 1ms - 2000ms, 32nd Note, Triplet 16th Note, Dotted 32nd Note, 16th Note, Triplet 8th Note, Dotted 16th Note, 8th Note, Triplet Quarter Note, Dotted 8th Note, Quarter Note, Triplet Half Note, Dotted Quarter Note, Half Note, Triplet Whole Note, Dotted Half Note, Whole Note, Dotted Whole Note, Double Whole Note
	00 20	0aaa aaaa D2 FEEDBACK (0 - 100)
	00 21	000a aaaa D2 HIGH CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
	00 22	0aaa aaaa D2 EFFECT LEVEL (0 - 120)
	00 23	0000 000a TWIST:MODE (0 - 1) RISE->FALL, RISE->FADE
	00 24	0000 000a TRIGGER (0 - 1) OFF, ON
	00 25	0aaa aaaa RISE TIME (0 - 100)
	00 26	0aaa aaaa FALL TIME (0 - 100)
	00 27	0aaa aaaa LEVEL (0 - 100)
	00 28	0000 00aa STAGE (0 - 2) 4096, 4096x2, 4096x4
	00 29	0000 0aaa HEAD (0 - 4) 1, 1+2, 1+3, 2+3, 1+2+3
	00 2A	0aaa aaaa FADE TIME (0 - 100)
	00 2B	0aaa aaaa TAP TIME (0 - 100) [%]
	00 00 00 2C	Total Size

* [PatchChorus]

Offset	Address	Description
	00 00	0000 000a SW (0 - 1) OFF, ON
	00 01	0000 00aa TYPE (0 - 3) MONO, STEREO 1, STEREO 2, DUAL
	00 02	0aaa aaaa RATE (0 - 118) 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note
	00 03	0aaa aaaa DEPTH (0 - 100)
	00 04	0aaa aaaa PRE-DELAY (0 - 80) 0.0ms, 0.5ms - 39.5ms, 40.0ms
	00 05	0aaa aaaa EFFECT LEVEL (0 - 100)
	00 06	0000 000a WAVEFORM (0 - 1) TRI, SINE
	00 07	000a aaaa LOW CUT (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
	00 08	000a aaaa HIGH CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
	00 09	0aaa aaaa RATE 1 (0 - 118) 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note
	00 0A	0aaa aaaa DEPTH 1 (0 - 100)
	00 0B	0aaa aaaa PRE-DELAY 1 (0 - 80) 0.0ms, 0.5ms - 39.5ms, 40.0ms
	00 0C	0aaa aaaa EFFECT LEVEL 1 (0 - 100)
	00 0D	0000 000a WAVEFORM 1 (0 - 1) TRI, SINE
	00 0E	000a aaaa LOW CUT 1 (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
	00 0F	000a aaaa HIGH CUT 1 (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
	00 10	0aaa aaaa RATE 2 (0 - 118) 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note
	00 11	0aaa aaaa DEPTH 2 (0 - 100)
	00 12	0aaa aaaa PRE-DELAY 2 (0 - 80) 0.0ms, 0.5ms - 39.5ms, 40.0ms
	00 13	0aaa aaaa EFFECT LEVEL 2 (0 - 100)
00 14	0000 000a	WAVEFORM 2 (0 - 1) TRI, SINE
	00 15	000a aaaa LOW CUT 2 (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
	00 16	000a aaaa HIGH CUT 2 (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
	00 17	0aaa aaaa DIRECT LEVEL (0 - 100)
	00 18	0000 000a OUTPUT MODE (0 - 1) MONO, STEREO
	00 00 00 19	Total Size

* [PatchReverb]

Offset	Address	Description
	00 00	0000 000a SW (0 - 1) OFF, ON
	00 01	0000 aaaa TYPE (0 - 9) HALL1, HALL2, PLATE, ROOM1, ROOM2, AMBIENCE, SPRING, SHIMMER, DUAL, TERA ECHO
	00 02	0aaa aaaa DIRECT LEVEL (0 - 100)
	00 03	0aaa aaaa LOW DAMP (14 - 114) -50 - 50
	00 04	0aaa aaaa HIGH DAMP (14 - 114) -50 - 50
	00 05	0aaa aaaa MOD RATE (0 - 100)
	00 06	0aaa aaaa MOD DEPTH (0 - 100)
	00 07	0aaa aaaa DUCK SENS (0 - 100)
	00 08	0aaa aaaa DUCK PRE DEPTH (0 - 100)
	00 09	0aaa aaaa DUCK POST DEPTH (0 - 100)
	00 0A	0aaa aaaa TIME (1 - 100) 0.1s, 0.2s - 9.9s, 10.0s
	00 0B	0aaa aaaa TONE (14 - 114) -50 - 50
	00 0C	0aaa aaaa EFFECT LEVEL (0 - 100)
	00 0D	0000 aaaa DENSITY (1 - 10)
#	00 0E	0000 aaaa
	00 0F	0000 bbbb PRE-DELAY (0 - 200) [ms]
	00 10	000a aaaa LOW CUT (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
	00 11	000a aaaa HIGH CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
	00 12	00aa aaaa PITCH 1 (8 - 56) -24 - 24
	00 13	0aaa aaaa LEVEL 1 (0 - 100)
	00 14	0000 00aa TYPE 1 (0 - 2) HALL, PLATE, ROOM
	00 15	0aaa aaaa TIME 1 (1 - 100) 0.1s, 0.2s - 9.9s, 10.0s
	00 16	0aaa aaaa TONE 1 (14 - 114) -50 - 50
	00 17	0aaa aaaa EFFECT LEVEL 1 (0 - 100)
	00 18	0000 aaaa DENSITY 1 (1 - 10)
	00 19	0000 aaaa
	00 1A	0000 bbbb PRE-DELAY 1 (0 - 200) [ms]
	00 1B	000a aaaa LOW CUT 1 (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
	00 1C	000a aaaa HIGH CUT 1 (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
	00 1D	00aa aaaa PITCH 2 (8 - 56) -24 - 24
	00 1E	0aaa aaaa LEVEL 2 (0 - 100)
	00 1F	0000 00aa TYPE 2 (0 - 2) HALL, PLATE, ROOM
	00 20	0aaa aaaa TIME 2 (1 - 100) 0.1s, 0.2s - 9.9s, 10.0s
	00 21	0aaa aaaa TONE 2 (14 - 114) -50 - 50
	00 22	0aaa aaaa EFFECT LEVEL 2 (0 - 100)
	00 23	0000 aaaa DENSITY 2 (1 - 10)
	00 24	0000 aaaa
	00 25	0000 bbbb PRE-DELAY 2 (0 - 200) [ms]
	00 26	000a aaaa LOW CUT 2 (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
	00 27	000a aaaa HIGH CUT 2 (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
	00 28	0000 00aa MODE (0 - 2) MONO, STEREO1, STEREO2
	00 29	0aaa aaaa SPREAD TIME (0 - 100)
	00 2A	0aaa aaaa FEEDBACK (0 - 100)
	00 2B	0000 000a TRIGGER (0 - 1) OFF, ON
	00 00 00 2C	Total Size

* [PatchPedalFx]

Offset	Address	Description
	00 00	0000 000a SW (0 - 1) OFF, ON
	00 01	0000 000a TYPE (0 - 1) PEDAL BEND, WAH
	00 02	00aa aaaa PITCH (8 - 56) -24 - 24
	00 03	0aaa aaaa EFFECT LEVEL (0 - 100)
	00 04	0aaa aaaa DIRECT MIX (0 - 100)
	00 05	0000 0aaa WAH TYPE (0 - 5) CRY WAH, VO WAH, FAT WAH, LIGHT WAH, 7STRING WAH, RESO WAH
#	00 06	0000 aaaa
	00 07	0000 bbbb
	00 08	0000 cccc
	00 09	0000 dddd PEDAL MIN (0 - 1000)
#	00 0A	0000 aaaa
	00 0B	0000 bbbb
	00 0C	0000 cccc
	00 0D	0000 dddd PEDAL MAX (0 - 1000)
#	00 0E	0000 aaaa
	00 0F	0000 bbbb
	00 10	0000 cccc
	00 11	0000 dddd WAH:PEDAL POSITION (0 - 1000)
#	00 12	0000 aaaa
	00 13	0000 bbbb
	00 14	0000 cccc
	00 15	0000 dddd PEDAL BEND:PEDAL POSITION (0 - 1000)
	00 00 00 16	Total Size

* [PatchFx1, PatchFx2, PatchFx3]

Offset	Address	Description
	00 00	0000 000a FX SW (0 - 1) OFF, ON
	00 01	000a aaaa FX TYPE (0 - 25) AC GUITAR SIM, AC RESONANCE, AUTO WAH, CHORUS, CLASSIC-VIBE, COMPRESSOR, DEFRETTER, FEEDBACKER, FLANGER, HARMONIST, HUMANIZER, OCTAVE, OVERTONE, PAN, PHASER, PITCH SHIFTER, RING MOD, ROTARY, SITAR SIM, SLICER, SLOW GEAR, SOUND HOLD, S-BEND, TOUCH WAH, TREMOLO, VIBRATO
	00 00 00 02	Total Size

* [PatchFx1AGSim, PatchFx2AGSim, PatchFx3AGSim]

Offset	Address	Description
	00 00	0aaa aaaa BODY (0 - 100)
	00 01	0aaa aaaa LOW (0 - 100) -50 - 0 - +50
	00 02	0aaa aaaa HIGH (0 - 100) -50 - 0 - +50
	00 03	0aaa aaaa LEVEL (0 - 100)
	00 00 00 04	Total Size

* [PatchFx1AcReso, PatchFx2AcReso, PatchFx3AcReso]

Offset	Address	Description
	00 00	0000 00aa TYPE (0 - 2) NATURAL, WIDE, BRIGHT
	00 01	0aaa aaaa RESONANCE (0 - 100)
	00 02	0aaa aaaa TONE (14 - 114) -50 - 50
	00 03	0aaa aaaa LEVEL (0 - 100)
	00 00 00 04	Total Size

* [PatchFx1AWah, PatchFx2AWah, PatchFx3AWah]

Offset	Address	Description	
00 00	0000 00aa	FILTER MODE	(0 - 2)
		LPF, BPF, HPF	
00 01	0aaa aaaa	RATE	(0 - 118)
		0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 02	0aaa aaaa	DEPTH	(0 - 100)
00 03	0aaa aaaa	EFFECT LEVEL	(0 - 100)
00 04	0aaa aaaa	FREQUENCY	(0 - 100)
00 05	0aaa aaaa	RESONANCE	(0 - 100)
00 06	0000 000a	WAVEFORM	(0 - 1)
		TRI, SINE	
00 07	0aaa aaaa	DIRECT MIX	(0 - 100)
00 00 00 08	Total Size		

* [PatchFx1Chorus, PatchFx2Chorus, PatchFx3Chorus]

Offset	Address	Description	
00 00	0000 0aaa	TYPE	(0 - 6)
		MONO, STEREO 1, STEREO 2, DUAL, PRIME, CE-1 CHORUS, CE-1 VIBRATO	
00 01	0aaa aaaa	DIRECT LEVEL	(0 - 100)
00 02	0000 000a	OUTPUT MODE	(0 - 1)
		MONO, STEREO	
00 03	0aaa aaaa	SWEETNESS	(0 - 100)
00 04	0aaa aaaa	BELL	(0 - 100)
00 05	0000 000a	PREAMP SW	(0 - 1)
		OFF, ON	
00 06	0aaa aaaa	PREAMP GAIN	(0 - 100)
00 07	0aaa aaaa	PREAMP LEVEL	(0 - 100)
00 08	0aaa aaaa	RATE	(0 - 118)
		0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 09	0aaa aaaa	DEPTH	(0 - 100)
00 0A	0aaa aaaa	PRE-DELAY	(0 - 80)
		0.0ms - 40.0ms	
00 0B	0aaa aaaa	EFFECT LEVEL	(0 - 100)
00 0C	0000 000a	WAVEFORM	(0 - 1)
		TRI, SINE	
00 0D	000a aaaa	LOW CUT	(0 - 31)
		FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz	
00 0E	000a aaaa	HIGH CUT	(0 - 31)
		20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT	
00 0F	0aaa aaaa	RATE 1	(0 - 118)
		0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 10	0aaa aaaa	DEPTH 1	(0 - 100)
00 11	0aaa aaaa	PRE-DELAY 1	(0 - 80)
		0.0ms - 40.0ms	
00 12	0aaa aaaa	EFFECT LEVEL 1	(0 - 100)
00 13	0000 000a	WAVEFORM 1	(0 - 1)
		TRI, SINE	
00 14	000a aaaa	LOW CUT 1	(0 - 31)
		FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT	
00 15	000a aaaa	HIGH CUT 1	(0 - 31)
		20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT	
00 16	0aaa aaaa	RATE 2	(0 - 118)
		0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 17	0aaa aaaa	DEPTH 2	(0 - 100)
00 18	0aaa aaaa	PRE-DELAY 2	(0 - 80)

Offset	Address	Description	
00 19	0aaa aaaa	EFFECT LEVEL 2	0.0ms - 40.0ms (0 - 100)
00 1A	0000 000a	WAVEFORM 2	(0 - 1)
		TRI, SINE	
00 1B	000a aaaa	LOW CUT 2	(0 - 31)
		FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz	
00 1C	000a aaaa	HIGH CUT 2	(0 - 31)
		20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT	
00 00 00 1D	Total Size		

* [PatchFx1CVibe, PatchFx2CVibe, PatchFx3CVibe]

Offset	Address	Description	
00 00	0000 000a	MODE	(0 - 1)
		CHORUS, VIBRATO	
00 01	0aaa aaaa	RATE	(0 - 118)
		0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 02	0aaa aaaa	DEPTH	(0 - 100)
00 03	0aaa aaaa	EFFECT LEVEL	(0 - 100)
00 00 00 04	Total Size		

* [PatchFx1Comp, PatchFx2Comp, PatchFx3Comp]

Offset	Address	Description	
00 00	0000 0aaa	TYPE	(0 - 4)
		BOSS COMP, X-COMP, D-COMP, ORANGE, STEREO COMP	
00 01	0aaa aaaa	SUSTAIN	(0 - 100)
00 02	0aaa aaaa	ATTACK	(0 - 100)
00 03	0aaa aaaa	LEVEL	(0 - 100)
00 04	0aaa aaaa	TONE	(14 - 114)
		-50 - 50	
00 05	000a aaaa	RATIO	(0 - 17)
		1:1, 1.2:1, 1.4:1, 1.6:1, 1.8:1, 2:1, 2.3:1, 2.6:1, 3:1, 3.5:1, 4:1, 5:1, 6:1, 8:1, 10:1, 12:1, 20:1, INF:1	
00 06	0aaa aaaa	DIRECT MIX	(0 - 100)
00 00 00 07	Total Size		

* [PatchFx1Defretter, PatchFx2Defretter, PatchFx3Defretter]

Offset	Address	Description	
00 00	0aaa aaaa	SENS	(0 - 100)
00 01	0aaa aaaa	DEPTH	(0 - 100)
00 02	0aaa aaaa	TONE	(14 - 114)
		-50 - 50	
00 03	0aaa aaaa	EFFECT LEVEL	(0 - 100)
00 04	0aaa aaaa	ATTACK	(0 - 100)
00 05	0aaa aaaa	RESONANCE	(0 - 100)
00 06	0aaa aaaa	DIRECT MIX	(0 - 100)
00 00 00 07	Total Size		

* [PatchFx1Feedbacker, PatchFx2Feedbacker, PatchFx3Feedbacker]

Offset	Address	Description	
00 00	0000 000a	MODE	(0 - 1)
		NORMAL, OSC	
00 01	0000 000a	TRIGGER	(0 - 1)
		OFF, ON	
00 02	0aaa aaaa	DEPTH	(0 - 100)
00 03	0aaa aaaa	RISE TIME	(0 - 100)
00 04	0aaa aaaa	OCT RISE TIME	(0 - 100)
00 05	0aaa aaaa	FEEDBACK	(0 - 100)
00 06	0aaa aaaa	OCT FEEDBACK	(0 - 100)
00 07	0aaa aaaa	VIB RATE	(0 - 100)
00 08	0aaa aaaa	VIB DEPTH	(0 - 100)
00 00 00 09	Total Size		

* [PatchFx1Flanger, PatchFx2Flanger, PatchFx3Flanger]

Offset	Address	Description
00 00	0aaa aaaa	RATE (0 - 118) 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note
00 01	0aaa aaaa	DEPTH (0 - 100)
00 02	0aaa aaaa	RESONANCE (0 - 100)
00 03	0aaa aaaa	MANUAL (0 - 100)
00 04	0000 000a	TURBO (0 - 1) OFF, ON
00 05	0000 000a	WAVEFORM (0 - 1) TRI, SINE
00 06	0aaa aaaa	STEP RATE (0 - 119) OFF, 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note
00 07	0000 aaaa	SEPARATION (0 - 12) 0, 15, 30, 45, 60, 75, 90, 105, 120, 135, 150, 165, 180
00 08	0aaa aaaa	EFFECT LEVEL (0 - 100)
00 09	0000 aaaa	LOW DAMP (28 - 128) -100 - 0
00 0A	0000 bbbb	
00 0B	0000 aaaa	
00 0C	0000 bbbb	HIGH DAMP (28 - 128) -100 - 0
00 0D	000a aaaa	LOW CUT (0 - 31) FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz
00 0E	000a aaaa	HIGH CUT (0 - 31) 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT
00 0F	0aaa aaaa	DIRECT MIX (0 - 100)
00 00 00 10	Total Size	

* [PatchFx1Harmonist, PatchFx2Harmonist, PatchFx3Harmonist]

Offset	Address	Description
00 00	0000 00aa	VOICE (0 - 2) 1VOICE, 2MONO, 2STEREO
00 01	000a aaaa	HR1:HARMONY (0 - 29) -2oct, -14th, -13th, -12th, -11th, -10th, -9th, -1oct, -7th, -6th, -5th, -4th, -3rd, -2nd, UNISON, +2nd, +3rd, +4th, +5th, +6th, +7th, +1oct, +9th, +10th, +11th, +12th, +13th, +14th, +2oct, USER
00 02	000a aaaa	HR2:HARMONY (0 - 29) -2oct, -14th, -13th, -12th, -11th, -10th, -9th, -1oct, -7th, -6th, -5th, -4th, -3rd, -2nd, UNISON, +2nd, +3rd, +4th, +5th, +6th, +7th, +1oct, +9th, +10th, +11th, +12th, +13th, +14th, +2oct, USER
00 03	0aaa aaaa	HR1:LEVEL (0 - 100)
00 04	0000 aaaa	HR1:PRE-DELAY (0 - 318) 0ms - 300ms, 32nd Note, Triplet 16th Note, Dotted 16th Note, 16th Note, Triplet 8th Note, Dotted 16th Note, 8th Note, Triplet Quarter Note, Dotted 8th Note, Quarter Note, Triplet Half Note, Dotted Quarter Note, Half Note, Triplet Whole Note, Dotted Half Note, Whole Note, Dotted Whole Note, Double Whole Note
00 05	0000 bbbb	
00 06	0000 cccc	
00 07	0000 dddd	
00 08	0aaa aaaa	HR1:FEEDBACK (0 - 100)
00 09	0aaa aaaa	DIRECT LEVEL (0 - 100)
00 0A	0aaa aaaa	HR2:LEVEL (0 - 100)
00 0B	0000 aaaa	HR2:PRE-DELAY (0 - 318) 0ms - 300ms, 32nd Note, Triplet 16th Note, Dotted 16th Note, 16th Note, Triplet 8th Note, Dotted 16th Note, 8th Note, Triplet Quarter Note, Dotted 8th Note, Quarter Note, Triplet Half Note, Dotted Quarter Note, Half Note, Triplet Whole Note, Dotted Half Note, Whole Note, Dotted Whole Note, Double Whole Note
00 0C	0000 bbbb	
00 0D	0000 cccc	
00 0E	0000 dddd	
00 0F	00aa aaaa	HR1:C (0 - 48)
00 10	00aa aaaa	HR1:Db (0 - 48)
00 11	00aa aaaa	HR1:D (0 - 48)
00 12	00aa aaaa	HR1:Eb (0 - 48)
00 13	00aa aaaa	HR1:E (0 - 48)
00 14	00aa aaaa	HR1:F (0 - 48)
00 15	00aa aaaa	HR1:F# (0 - 48)

Offset	Address	Description
00 16	00aa aaaa	HR1:G (0 - 48)
00 17	00aa aaaa	HR1:Ab (0 - 48)
00 18	00aa aaaa	HR1:A (0 - 48)
00 19	00aa aaaa	HR1:Bb (0 - 48)
00 1A	00aa aaaa	HR1:B (0 - 48)
00 1B	00aa aaaa	HR2:C (0 - 48)
00 1C	00aa aaaa	HR2:Db (0 - 48)
00 1D	00aa aaaa	HR2:D (0 - 48)
00 1E	00aa aaaa	HR2:Eb (0 - 48)
00 1F	00aa aaaa	HR2:E (0 - 48)
00 20	00aa aaaa	HR2:F (0 - 48)
00 21	00aa aaaa	HR2:F# (0 - 48)
00 22	00aa aaaa	HR2:G (0 - 48)
00 23	00aa aaaa	HR2:Ab (0 - 48)
00 24	00aa aaaa	HR2:A (0 - 48)
00 25	00aa aaaa	HR2:Bb (0 - 48)
00 26	00aa aaaa	HR2:B (0 - 48)
00 00 00 27	Total Size	

* [PatchFx1Humanizer, PatchFx2Humanizer, PatchFx3Humanizer]

Offset	Address	Description
00 00	0000 000a	MODE (0 - 1) PICKING, AUTO
00 01	0000 0aaa	VOWEL1 (0 - 4) a, e, i, o, u
00 02	0000 0aaa	VOWEL2 (0 - 4) a, e, i, o, u
00 03	0aaa aaaa	SENS (0 - 100)
00 04	0aaa aaaa	RATE (0 - 118) 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note
00 05	0aaa aaaa	DEPTH (0 - 100)
00 06	0aaa aaaa	MANUAL (0 - 100)
00 07	0aaa aaaa	LEVEL (0 - 100)
00 00 00 08	Total Size	

* [PatchFx1Octave, PatchFx2Octave, PatchFx3Octave]

Offset	Address	Description
00 00	0000 000a	TYPE (0 - 1) MONO, POLY
00 01	0aaa aaaa	-2OCT (0 - 100)
00 02	0aaa aaaa	-1OCT (0 - 100)
00 03	0aaa aaaa	DIRECT LEVEL (0 - 100)
00 04	0aaa aaaa	RANGE (0 - 100)
00 05	0aaa aaaa	OCTAVE LEVEL (0 - 100)
00 00 00 06	Total Size	

* [PatchFx1Over tone, PatchFx2Over tone, PatchFx3Over tone]

Offset	Address	Description
00 00	0aaa aaaa	LOWER LEVEL (0 - 100)
00 01	0aaa aaaa	UPPER LEVEL (0 - 100)
00 02	0aaa aaaa	UNISON LEVEL (0 - 100)
00 03	0aaa aaaa	DIRECT LEVEL (0 - 100)
00 04	0aaa aaaa	DETUNE (0 - 100)
00 05	0000 000a	OUTPUT MODE (0 - 1) MONO, STEREO
00 06	0aaa aaaa	LOW (14 - 114) -50 - 50
00 07	0aaa aaaa	HIGH (14 - 114) -50 - 50
00 00 00 08	Total Size	

* [PatchFx1Pan]

Offset Address	Description		
00 00	0aaa aaaa	RATE	(0 - 118)
		0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 01	0aaa aaaa	DEPTH	(0 - 100)
00 02	0aaa aaaa	WAVEFORM	(0 - 100)
00 03	0aaa aaaa	EFFECT LEVEL	(0 - 100)
00 04	0aaa aaaa	DIRECT MIX	(0 - 100)
00 00 00 05	Total Size		

* [PatchFx1Phaser, PatchFx2Phaser, PatchFx3Phaser]

Offset Address	Description		
00 00	0000 000a	TYPE	(0 - 1)
		PRIME, SCRIPT	
00 01	0000 0aaa	STAGE	(0 - 4)
		2 STAGE, 4 STAGE, 8 STAGE, 16 STAGE, 24 STAGE	
00 02	0aaa aaaa	RATE	(0 - 118)
		0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 03	0aaa aaaa	DEPTH	(0 - 100)
00 04	0aaa aaaa	RESONANCE	(0 - 100)
00 05	0aaa aaaa	MANUAL	(0 - 100)
00 06	0000 000a	WAVEFORM	(0 - 1)
		TRI, SINE	
00 07	0aaa aaaa	STEP RATE	(0 - 119)
		OFF, 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 08	0000 000a	BI-PHASE	(0 - 1)
		OFF, ON	
00 09	0000 aaaa	SEPARATION	(0 - 12)
		0, 15 - 165, 180	
# 00 0A	0000 aaaa		
00 0B	0000 bbbb	LOW DAMP	(28 - 128)
		-100 - 0	
# 00 0C	0000 aaaa		
00 0D	0000 bbbb	HIGH DAMP	(28 - 128)
		-100 - 0	
00 0E	000a aaaa	LOW CUT	(0 - 31)
		FLAT, 20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz	
00 0F	000a aaaa	HIGH CUT	(0 - 31)
		20.0Hz, 25.0Hz, 31.5Hz, 40.0Hz, 50.0Hz, 63.0Hz, 80.0Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1.00kHz, 1.25kHz, 1.60kHz, 2.00kHz, 2.50kHz, 3.15kHz, 4.00kHz, 5.00kHz, 6.30kHz, 8.00kHz, 10.0kHz, 12.5kHz, 16.0kHz, 20.0kHz, FLAT	
00 10	0aaa aaaa	EFFECT LEVEL	(0 - 100)
00 11	0aaa aaaa	DIRECT MIX	(0 - 100)
00 00 00 12	Total Size		

* [PatchFx1PitchShift, PatchFx2PitchShift, PatchFx3PitchShift]

Offset Address	Description		
00 00	0000 00aa	VOICE	(0 - 2)
		1VOICE, 2MONO, 2STEREO	
00 01	00aa aaaa	PS1:PITCH	(8 - 56)
		-24 - 24	
00 02	00aa aaaa	PS2:PITCH	(8 - 56)
		-24 - 24	
00 03	0aaa aaaa	DIRECT LEVEL	(0 - 100)
00 04	0000 00aa	PS1:MODE	(0 - 3)
		FAST, MEDIUM, SLOW, MONO	
00 05	0aaa aaaa	PS1:FINE	(14 - 114)
		-50 - 50	
# 00 06	0000 aaaa		
00 07	0000 bbbb		
00 08	0000 cccc		
00 09	0000 dddd	PS1:PRE-DELAY	(0 - 318)
		0ms - 300ms, 32nd Note, Triplet 16th Note, Dotted 16th Note, 16th Note, Triplet 8th Note, Dotted 16th Note, 8th Note, Triplet Quarter Note, Dotted 8th Note, Quarter Note, Triplet Half Note, Dotted Quarter Note, Half Note, Triplet Whole Note, Dotted Half Note, Whole Note, Dotted Whole Note, Double Whole Note	

Offset Address	Description		
00 0A	0aaa aaaa	PS1:LEVEL	(0 - 100)
00 0B	0aaa aaaa	PS1:FEEDBACK	(0 - 100)
00 0C	0000 00aa	PS2:MODE	(0 - 3)
		FAST, MEDIUM, SLOW, MONO	
00 0D	0aaa aaaa	PS2:FINE	(14 - 114)
		-50 - 50	
# 00 0E	0000 aaaa		
00 0F	0000 bbbb		
00 10	0000 cccc		
00 11	0000 dddd	PS2:PRE-DELAY	(0 - 318)
		0ms - 300ms, 32nd Note, Triplet 16th Note, Dotted 16th Note, 16th Note, Triplet 8th Note, Dotted 16th Note, 8th Note, Triplet Quarter Note, Dotted 8th Note, Quarter Note, Triplet Half Note, Dotted Quarter Note, Half Note, Triplet Whole Note, Dotted Half Note, Whole Note, Dotted Whole Note, Double Whole Note	
00 12	0aaa aaaa	PS2:LEVEL	(0 - 100)
00 00 00 13	Total Size		

* [PatchFx1RingMod, PatchFx2RingMod, PatchFx3RingMod]

Offset Address	Description		
00 00	0000 000a	INTELLIGENT	(0 - 1)
		OFF, ON	
00 01	0aaa aaaa	FREQUENCY	(0 - 100)
00 02	0aaa aaaa	FREQ MOD RATE	(0 - 118)
		0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 03	0aaa aaaa	FREQ MOD DEPTH	(0 - 100)
00 04	0aaa aaaa	EFFECT LEVEL	(0 - 100)
00 05	0aaa aaaa	DIRECT MIX	(0 - 100)
00 00 00 06	Total Size		

* [PatchFx1Rotary, PatchFx2Rotary, PatchFx3Rotary]

Offset Address	Description		
00 00	0000 000a	SPEED SELECT	(0 - 1)
		SLOW, FAST	
00 01	0aaa aaaa	SLOW RATE	(0 - 118)
		0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 02	0aaa aaaa	FAST RATE	(0 - 118)
		0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note	
00 03	0aaa aaaa	EFFECT LEVEL	(0 - 100)
00 04	0aaa aaaa	RISE TIME	(0 - 100)
00 05	0aaa aaaa	FALL TIME	(0 - 100)
00 06	0aaa aaaa	MIC DISTANCE	(0 - 100)
00 07	0aaa aaaa	ROTOR/HORN	(0 - 100)
		100:0, 100:2 - 100:100 - 2:100, 0:100	
00 08	0aaa aaaa	DRIVE	(0 - 100)
00 09	0aaa aaaa	DIRECT MIX	(0 - 100)
00 00 00 0A	Total Size		

* [PatchFx1SitarSim, PatchFx2SitarSim, PatchFx3SitarSim]

Offset Address	Description		
00 00	0aaa aaaa	SENS	(0 - 100)
00 01	0aaa aaaa	DEPTH	(0 - 100)
00 02	0aaa aaaa	TONE	(14 - 114)
		-50 - 50	
00 03	0aaa aaaa	EFFECT LEVEL	(0 - 100)
00 04	0aaa aaaa	RESONANCE	(0 - 100)
00 05	0aaa aaaa	BUZZ	(0 - 100)
00 06	0aaa aaaa	DIRECT MIX	(0 - 100)
00 00 00 07	Total Size		

* [PatchFx1Slicer, PatchFx2Slicer, PatchFx3Slicer]

Offset	Address	Description
00 00	000a aaaa	PATTERN (0 - 19) P1 - P20
00 01	0aaa aaaa	RATE (0 - 118) 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note
00 02	0000 000a	TRIGGER (0 - 1) OFF, ON
00 03	0aaa aaaa	EFFECT LEVEL (0 - 100)
00 04	0aaa aaaa	ATTACK (0 - 100)
00 05	0aaa aaaa	DUTY (1 - 99)
00 06	0aaa aaaa	DIRECT MIX (0 - 100)
00 00 00 07	Total Size	

* [PatchFx1SlowGear, PatchFx2SlowGear, PatchFx3SlowGear]

Offset	Address	Description
00 00	0aaa aaaa	SENS (0 - 100)
00 01	0aaa aaaa	RISE TIME (0 - 100)
00 02	0aaa aaaa	LEVEL (0 - 100)
00 00 00 03	Total Size	

* [PatchFx1SoundHold, PatchFx2SoundHold, PatchFx3SoundHold]

Offset	Address	Description
00 00	0000 000a	TRIGGER (0 - 1) OFF, ON
00 01	0aaa aaaa	RISE TIME (0 - 100)
00 02	0aaa aaaa	EFFECT LEVEL (0 - 120)
00 00 00 03	Total Size	

* [PatchFx1SBend, PatchFx2SBend, PatchFx3SBend]

Offset	Address	Description
00 00	0000 000a	TRIGGER (0 - 1) OFF, ON
00 01	0000 0aaa	PITCH (0 - 6) -30CT, -20CT, -10CT, +10CT, +20CT, +30CT, +40CT
00 02	0aaa aaaa	RISE TIME (0 - 100)
00 03	0aaa aaaa	FALL TIME (0 - 100)
00 00 00 04	Total Size	

* [PatchFx1TWah, PatchFx2TWah, PatchFx3TWah]

Offset	Address	Description
00 00	0000 00aa	FILTER MODE (0 - 2) LPF, BPF, HPF
00 01	0000 000a	POLARITY (0 - 1) DOWN, UP
00 02	0aaa aaaa	SENS (0 - 100)
00 03	0aaa aaaa	FREQUENCY (0 - 100)
00 04	0aaa aaaa	RESONANCE (0 - 100)
00 05	0aaa aaaa	DECAY (0 - 100)
00 06	0aaa aaaa	EFFECT LEVEL (0 - 100)
00 07	0aaa aaaa	DIRECT MIX (0 - 100)
00 00 00 08	Total Size	

* [PatchFx1Tremolo, PatchFx2Tremolo, PatchFx3Tremolo]

Offset	Address	Description
00 00	0aaa aaaa	RATE (0 - 118) 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note
00 01	0aaa aaaa	DEPTH (0 - 100)
00 02	0aaa aaaa	WAVEFORM (0 - 100)
00 03	0aaa aaaa	EFFECT LEVEL (0 - 100)
00 04	0000 000a	TRIGGER (0 - 1) OFF, ON
00 05	0aaa aaaa	RISE TIME (0 - 100)
00 06	0aaa aaaa	DIRECT MIX (0 - 100)
00 00 00 07	Total Size	

* [PatchFx1Vibrato, PatchFx2Vibrato, PatchFx3Vibrato]

Offset	Address	Description
00 00	0aaa aaaa	RATE (0 - 118) 0 - 100, Double Whole Note, Dotted Whole Note, Whole Note, Dotted Half Note, Triplet Whole Note, Half Note, Dotted Quarter Note, Triplet Half Note, Quarter Note, Dotted 8th Note, Triplet Quarter Note, 8th Note, Dotted 16th Note, Triplet 8th Note, 16th Note, Dotted 32nd Note, Triplet 16th Note, 32nd Note
00 01	0aaa aaaa	DEPTH (0 - 100)
00 02	0aaa aaaa	COLOR (0 - 100)
00 03	0aaa aaaa	EFFECT LEVEL (0 - 100)
00 04	0000 000a	TRIGGER (0 - 1) OFF, ON
Offset	Address	Description
00 05	0aaa aaaa	RISE TIME (0 - 100)
00 06	0aaa aaaa	DIRECT MIX (0 - 100)
00 00 00 07	Total Size	

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1-16, OFF	1-16, OFF	Memorized
	Changed	1-16, OFF	1-16, OFF	
Mode	Default Messages	Mode 3	Mode 3	
	Altered	x *****	x	
Note Number:	True Voice	x *****	x *****	
Velocity	Note On	x	x	
	Note Off	x	x	
After Key's touch Ch's		x	x	
		x	x	
Pitch Bend		x	x	
Control Change		o 0-127	o 0-95	
Prog Change:	True Number	o 0-127 *****	o 0-127 0-127	Program Number 1-128
System Exclusive		o	o	
System: Common:	Song Pos	x	x	
	Song Sel	x	x	
	Tune	x	x	
System: Realtime:	Clock	o	o	
	Start	o	x	
	Continue	x	x	
	Stop	o	x	
Aux Message:	All sound off	x	x	
	Reset All controllers	x	x	
	Local On/Off	x	x	
	All notes Off	x	x	
	Active Sense	o	o	
	Reset	x	x	
Notes				

Mode 1: OMNI ON, POLY Mode 2: OMNI ON, MONO o : Yes

Mode 3: OMNI OFF, POLY Mode 4: OMNI OFF, MONO x : No