# dLive MIDI Over TCP/IP Protocol

# Firmware V2.0

(i) This protocol is for use with dLive systems loaded with firmware version V2.0 and later.

TCP/IP control is available via any **Network** port on the dLive Surface or MixRack. Messages are sent using the MIDI format, as described in this document.

All MIDI message numbers shown in this specification are hexadecimal. Refer to the end of this specification for a table of values for each of the parameters listed here. All variables are shown in green.

To connect to the MixRack, clients should be configured to use either:

Without encryption - Rendezvous port TCP 51325.

With TLS/SSL encryption - Rendezvous port TCP 51327.

To connect to the Surface, clients should be configured to use either:

Without encryption - Rendezvous port TCP 51328.

With TLS/SSL encryption - Rendezvous port TCP 51329.

#### **MIDI Controllable Functions and Parameters:**

<ul> <li>Fader levels NRPN</li> </ul>	Input. Mix master. FX send. FX retu	rn. DCA
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Mutes
 Note On
 Input, Mix master, FX send, FX return, DCA, Mute Groups

• Send levels SysEx Aux, FX and Matrix sends

DCA assign NRPN
 Input to Main assign NRPN
 Preamp - Gain Pitchbend
 Preamp - Pad, 48V SysEx
 Name & Colour SysEx

• Scene \ Cue Recall Program Change

PEQ control NRPNHPF control NRPN

MIDI transport MIDI Machine Control (MMC)
 Global UFX Parameters Control Change Key. Scale

UFX Unit Parameters Control Change
 Scene Go \ Next \ Previous Control Change

#### **Authentication**

When the TLS/SSL socket is opened, the first data sent to the dLive should be the following message:

#### UserProfile, UserPassword

Where UserProfile = 00 to 1F

If the username and password match, then the unit will respond with the six characters "AuthOK", otherwise the connection will be dropped.

### **MIDI Running Status**

dLive uses MIDI running status. This maximises MIDI transmission efficiency by allowing a MIDI message to be sent without its Status byte if the previous transmitted message had the same Status.

For example, turning Mute on for Inputs 1, 2 and 3 on MIDI channel 12:

Without running status – Full message string 9B, 00, 7F, 9B, 01, 7F, 9B, 02, 7F

With running status – Shorter message string 9B, 00, 7F, 01, 7F, 02, 7F

The omitted bytes will be shown below in square brackets (eg [9N]).

#### MIDI channel number

N

MIDI channel 1 to 12 = 0 to B

In order to extend the range of audio channels that can be controlled by MIDI messages the dLive MIDI protocol uses a range of MIDI channels to select between audio channel types. The base MIDI channel N is the lowest channel of the range selected in Utility / Control / MIDI. The audio channel type is selected by offsetting the MIDI channel used in the message and the audio channel number is selected using the note number, as detailed in 'Channel Selection' below.

Preamp control, Scene recall and MIDI transport use the base MIDI channel N.

#### **Channel Selection**

CH (refer to table)

Channels are selected using the channel number and note number as follows:

Inputs 1 to 128: N = N, CH = 00 to 7F Mono Groups 1 to 62: N = N + 1, CH = 00 to 3D Stereo Groups 1 to 31: N = N + 1, CH = 40 to 5E Mono Aux 1 to 62: N = N + 2, CH = 00 to 3D

Stereo Aux 1 to 31: N = N + 2. CH = 40 to 5E

Mono Matrix 1 to 62: N = N + 3, CH = 00 to 3D Stereo Matrix 1 to 31: N = N + 3, CH = 40 to 5EMono FX Send 1 to 16: N = N + 4, CH = 00 to 0FStereo FX Send 1 to 16: N = N + 4. CH = 10 to 1F FX Return 1 to 16: N = N + 4. CH = 20 to 2F Mains 1 to 6: N = N + 4, CH = 30 to 35 DCA 1 to 24: N = N + 4, CH = 36 to 4DMute Group 1 to 8: N = N + 4, CH = 4E to 55Stereo UFX Send 1 to 8: N = N + 4, CH = 56 to 5D Stereo UFX Return 1 to 8: N = N + 4, CH = 5E to 65

# SysEx Header

#### SysEx Header

This applies to all SysEx messages described later in this specification.

```
F0, 00, 00, 1A, 50, 10, MV, mV

Where MV = 01 (Major version)

mV = 00 (Minor version)
```

#### **Mute ON**

```
NOTE ON with velocity > 40 followed by NOTE OFF
9N, CH, 7F, [9N], CH, 00
```

#### **Mute OFF**

```
NOTE ON with velocity < 40 followed by NOTE OFF
9N, CH, 3F, [9N], CH, 00
```

### **Received Mute Messages**

```
Velocity 00 and NOTE OFF messages are ignored. Velocity 01 to 3F = Mute OFF Velocity 40 to 7F = Mute ON
```

#### **Get Mute Status**

```
SysEx message

SysEx Header, 0N, 05, 09, CH, F7
```

The unit will then transmit the appropriate Channel Mute ON or OFF message.

#### **Fader Level**

NRPN with parameter ID 17

```
Fader value LV –inf to +10dB = 00 to 7F (refer to table)

Select channel Parameter Set fader value

BN, 63, CH, [BN], 62, 17, [BN], 06, LV
```

#### **Get Fader Level**

```
SysEx message
```

```
SysEx Header, 0N, 05, 0B, 17, CH, F7
```

The unit will then transmit the appropriate Fader Level message.

# **Channel Assignment to Main Mix ON**

```
NRPN with parameter ID 18
```

```
ON value = 40 to 7F
```

Select channel	Parameter	Set ON
BN, 63, CH,	[BN], 62, 18,	[BN], 06, 7F

# **Channel Assignment to Main Mix OFF**

NRPN with parameter ID 18

OFF value = 00 to 3F

Select channel	Parameter	Set OFF
BN, 63, CH,	[BN], 62, 18,	[BN], 06, 3F

# **Get Channel Assignment to Main Mix**

SysEx message

SysEx Header, 0N, 05, 0B, 18, CH, F7

The unit will then transmit the appropriate Channel Assignment to Main Mix message.

#### AUX / FX / Matrix Send Level

SysEx message

Where SndN and SndCH are the MIDI channel and note number for the channel to be sent to.

Send value LV  $-\inf$  to +10dB = 00 to 7F

Message:

Sysex Header, 0N, 0D, CH, SndN, SndCH, LV, F7

Get:

SysEx Header, 0N, 05, 0F, 0D, CH, SndN, SndCH, F7

# Input to Group / Aux ON

SysEx message

Where SndN and SndCH are the MIDI channel and note number for the channel to be sent to.

V On value = 40 to 7F

Message:

Sysex Header, 0N, 0E, CH, SndN, SndCH, V, F7

Get:

SysEx Header, 0N, 05, 0F, 0E, CH, SndN, SndCH, F7

# **DCA Assignment ON**

NRPN with parameter ID 40

ON value **DB** for DCA 1 to 24 = 40 to 57

 Select channel
 Parameter
 Set ON

 BN, 63, CH,
 [BN], 62, 40,
 [BN], 06, DB

# **DCA Assignment OFF**

NRPN with parameter ID 40

OFF value **DA** for DCA 1 to 24 = 00 to 17

 Select channel
 Parameter
 Set OFF

 BN, 63, CH,
 [BN], 62, 40,
 [BN], 06, DA

### **Mute Group Assignment ON**

NRPN with parameter ID 40

ON value **DB** for Mute Group 1 to 8 = 58 to 5F

 Select channel
 Parameter
 Set ON

 BN, 63, CH,
 [BN], 62, 40,
 [BN], 06, DB

### **Mute Group Assignment OFF**

NRPN with parameter ID 40

OFF value **DA** for Mute Group 1 to 8 = 18 to 1F

 Select channel
 Parameter
 Set OFF

 BN, 63, CH,
 [BN], 62, 40,
 [BN], 06, DA

Socket Preamp numbers (refer to table)

Mixrack sockets 1-64 MP = 00 to 3F

Mixrack DX 1/2 1-32 MP = 40 to 5FMixrack DX 3/4 1-32 MP = 60 to 7F

# **Set Socket Preamp Gain**

Pitchbend message

Gain value GV min to max = 00 to 7F (refer to table)

EN, MP, GV

# **Get Socket Preamp Gain**

SysEx message

SysEx Header, 0N, 05, 0B, 19, CH, F7

The unit will then transmit the appropriate Socket Preamp Gain message.

### **Set Socket Preamp Pad**

SysEx message

SysEx Header, 0N, 09, MP, Pad, F7 where Pad OFF = 00 to 3F, ON = 40 to 7F

### **Get Socket Preamp Pad**

SysEx message

SysEx Header, 0N, 07, MP, F7

The unit will then transmit the following message:

Reply... SysEx Header, 0N, 08, MP, Pad, F7 where Pad OFF= 00, ON = 7F

### **Set Socket Preamp 48V**

SysEx message

**SysEx Header**, 0N, 0C, MP, 48V, F7 where 48V OFF = 00 to 3F, ON = 40 to 7F

### **Get Socket Preamp 48V**

SysEx Header, 0N, 0A, MP, F7

The unit will then transmit the following message:

**SysEx Header**, 0N, 0B, MP, 48V, F7 where 48V OFF = 00, ON = 7F

#### **Set Channel Name**

SysEx message

SysEx Header, 0N, 03, CH, Name, F7 where Name = Hex ASCII String

#### **Get Channel Name**

SysEx message

SysEx Header, 0N, 01, CH, F7

The unit will then transmit the following message:

SysEx Header, 0N, 02, CH, Name, F7 where Name = Hex ASCII String

#### **Set Channel Colour**

SysEx message

SysEx Header, 0N, 06, CH, Col, F7 where Col = 00 to 07 (refer to table)

#### **Get Channel Colour**

SysEx Header, 0N, 04, CH, F7

The unit will then transmit the following message:

SysEx Header, 0N, 05, CH, Col, F7 where Col = 00 to 07 (refer to table)

# Scene Recall (MixRack Only)

Bank and Program Change message

To recall one of the 500 Scenes (4 banks)

Also transmits this message when a Scene is recalled from the dLive screen

#### For Scene 1 to 128

Scene SS 1 to 128 = 00 to 7F (refer to table)

Select bank Recall Scene

BN, 00, 00, CN, SS

#### For Scene 129 to 256

Scene **SS** 129 to 256 = 00 to 7F (refer to table)

Select bank Recall Scene

BN, 00, 01, CN, SS

#### For Scene 257 to 384

Scene **SS** 257 to 384 = 00 to 7F (refer to table)

Select bank Recall Scene

BN, 00, 02, CN, SS

For Scene 385 to 500

Scene **SS** 385 to 500 = 00 to 73 (refer to table)

Select bank Recall Scene

BN, 00, 03, CN, SS

# **Cue List Recall (Surface Only)**

Bank and Program Change message

To recall a cue using one of the 2000 user assignable Recall lds (16 banks).

Also transmits this message when a cue is recalled from the dLive console.

The MIDI message required can also be viewed by selecting the Surface MIDI display option in the dLive Scene Manager.

For Recall Id 0 to 127	Recall Id <b>SS</b> 0 to 127 = 00 to 7F	Bank Number RR = 00
For Recall Id 128 to 255	Recall Id <b>SS</b> 128 to 255 = 00 to 7F	Bank Number RR = 01
For Recall Id 256 to 383	Recall Id <b>SS</b> 256 to 383 = 00 to 7F	Bank Number RR = 02
For Recall Id 384 to 511	Recall Id <b>SS</b> 384 to 511 = 00 to 7F	Bank Number RR = 03
For Recall Id 512 to 639	Recall Id <b>SS</b> 512 to 639 = 00 to 7F	Bank Number RR = 04
For Recall Id 640 to 767	Recall Id <b>SS</b> 640 to 767 = 00 to 7F	Bank Number RR = 05
For Recall Id 768 to 895	Recall Id <b>SS</b> 768 to 895 = 00 to 7F	Bank Number RR = 06
For Recall Id 896 to 1023	Recall Id <b>SS</b> 896 to 1023 = 00 to 7F	Bank Number RR = 07
For Recall Id 1024 to 1151	Recall Id <b>SS</b> 1024 to 1151 = 00 to 7F	Bank Number RR = 08

For Recall Id 1152 to 1279	Recall Id <b>SS</b> 1152 to 1279 = 00 to 7F	Bank Number RR = 09
For Recall Id 1280 to 1407	Recall Id <b>SS</b> 1280 to 1407 = 00 to 7F	Bank Number RR = 0A
For Recall Id 1408 to 1535	Recall Id <b>SS</b> 1408 to 1535 = 00 to 7F	Bank Number RR = 0B
For Recall Id 1536 to 1663	Recall Id <b>SS</b> 1536 to 1663 = 00 to 7F	Bank Number RR = 0C
For Recall Id 1664 to 1791	Recall Id <b>SS</b> 1664 to 1791 = 00 to 7F	Bank Number RR = 0D
For Recall Id 1792 to 1919	Recall Id <b>SS</b> 1792 to 1919 = 00 to 7F	Bank Number RR = 0E
For Recall Id 1920 to 1999 MIDI Message	Recall Id <b>SS</b> 1920 to 1999 = 00 to 4F	Bank Number RR = 0F

Select bank Recall Cue		
BN, 00, RR,	CN, SS	(refer to table)

# Go / Next / Previous (Surface Only)

Control Change message with user defined Control Number and Value.

Go / Next / Previous Scene controls can be triggered by user defined CC messages setup in the dLive Utility \ Control \ MIDI page. Note that not all CC messages are available as some are reserved for use by other MIDI controls.

### **Control Change**

BN, Number, Value where Number is Control Number

Value is Control Value

# Parametric EQ

NRPN with parameter ID between 1A and 29 depending on function and band (see table)

Select channel	Parameter	Set Value
BN, 63, CH,	[BN], 62, nn,	[BN], 06, <b>vv</b>

#### nn Parameter ID:

	Туре	Frequency	Width	Gain
Band 0	1A	1B	1C	1D
Band 1	1E	1F	20	21
Band 2	22	23	24	25
Band 3	26	27	28	29

# vv For Type

### From table:

Туре	Vv (dec)	Vv (hex)	Notes
Bell	0	00	Only use on bands 0 and 3
LF Shelf	1	01	Only use on band 0
HF Shelf	2	02	Only use on band 3
L Pass	3	03	Only use on band 3
H Pass	4	04	Only use on band 0

# vv For Frequency

For frequencies between 20Hz and 20kHz

Vv = INT(127\*((4608\*LOG10(FREQUENCY/4)/LOG10(2))-10699)/45922)

eg.

Frequency	Vv (dec)	Vv (hex)
20Hz	0	00
50Hz	16	10
100Hz	29	1D
500Hz	59	3B

1kHz	71	47
10kHz	114	72
20kHz	127	7F

### vv For Gain

For gains from -15dB to +15dB

Vv = (GAIN + 15) \* 126 / 30

eg.

Gain	Vv (dec)	Vv (hex)
-15dB	0	00
-10dB	21	15
-5db	42	2A
0dB	63	3F
5db	84	54
10db	105	69
15db	126	7F

# vv For Width

From table:

Width	Vv (dec)	Vv (hex)
1.5	0	00
1.4	1	01
1.3	2	02
1.2	3	03
1.1	4	04
1	5	05
0.95	6	06
0.9	7	07
0.85	8	08
0.8	9	09
3/4	10	0A

0.7	11	0B
2/3	12	0C
0.6	13	0D
0.55	14	0E
0.5	15	0F
0.45	16	10
0.4	17	11
1/3	18	12
0.3	19	13
1/4	20	14
0.2	21	15
1/6	22	16
0.13	23	17
1/9	24	18

# **Get Parametric EQ**

SysEx message

SysEx Header, 0N, 05, 0B, nn, CH, F7

The unit will then transmit the appropriate Parametric EQ message.

# **HPF Frequency**

NRPN with parameter ID 30

Select channel	Parameter	Set Value
BN, 63, CH,	[BN], 62, 30,	[BN], <b>06</b> , <b>vv</b>

vv = INT(127\*((4608 \* LOG10(FREQUENCY / 4) / LOG10(2)) - 10699) / 41314)

# **Get HPF Frequency**

SysEx message

SysEx Header, 0N, 05, 0B, 30, CH, F7

The unit will then transmit the appropriate HPF Frequency message.

# Set HPF On/Off

NRPN with parameter ID 31

```
        Select channel
        Parameter
        Set Value

        BN, 63, CH,
        [BN], 62, 31,
        [BN], 06, HPF

        where HPF OFF= 00 to 3F, ON = 40 to 7F
```

# Get HPF On/Off

SysEx message

```
SysEx Header, 0N, 05, 0B, 31, CH, F7
```

The unit will then transmit the appropriate HPF On/Off message.

# **Set UFX Global Key**

Control Change message with control number 0C

BN,  $\mathbf{0C}$ , Key where  $\mathbf{Key} = 00$  to  $\mathbf{0B}$  (refer to table)

# **Set UFX Global Scale**

Control Change message with control number 0D

BN, **0D**, Scale where Scale = 00 to 01 (refer to table)

#### **UFX Unit MIDI Channel Numbers**

М

Optionally, a MIDI channel M per UFX unit may be assigned to control UFX parameters, configured either in Utility / Control / MIDI or FX / UFX / Show Routing / MIDI Settings.

These MIDI channels must not be within the range of MIDI channels configured for controlling the rest of the dLive system (i.e., N through N + 4). Multiple UFX units may share the same MIDI channel M.

Parameters are controlled by an CC message as described below. The mapping between the control number and the UFX parameter is configured for individual UFX units in FX / UFX / Show Routing / MIDI Settings.

#### **Set UFX Unit Parameter**

CC message to UFX MIDI channel M and value vv, with control number nn configured by user.

Select channel	Parameter	Set Value	
BM,	nn,	vv	

Note that key and scale messages to local UFX unit are treated as UFX parameters. Thus, key and scale UFX **parameters** and **Global Key** / **Scale** do not share the same CC value. Instead, CC value is scaled to cover the full range of UFX parameters. Please refer to the examples below.

UFX Parameter	CC Value Start	CC Value End	CC Value Start	CC Value Start
"Key"	(dec)	(dec)	(hex)	(hex)
С	0	10	00	0A
C#	11	21	0B	15
D	22	31	16	1F
D#	32	42	20	2A
E	43	52	2B	34
F	53	63	35	3F
F#	64	74	40	4A
G	75	84	4B	54
G#	85	95	55	5F
Α	96	105	60	69
A#	106	116	6A	74
В	117	127	75	7F

UFX Parameter	CC Value Start	CC Value End	CC Value Start	CC Value Start
"Scale"	(dec)	(dec)	(hex)	(hex)
Major	0	42	00	2A
Minor	43	84	2B	54
Chromatic	85	127	55	7F

# **MIDI Strips**

#### **Custom MIDI** messages

Fader strips within the Banks can be assigned as MIDI Strips. There are 32 MIDI Strips available.

Each fader strip control can be assigned to transmit a custom MIDI message. This is used for controlling audio within a Digital Audio Workstation (DAW), a slave mixer, or parameters on external equipment such as effects devices. MIDI Strips can be named and coloured. They are stored within Scenes and can be made Safe from Scene recall.

The Template Shows load the following factory default messages for the MIDI Strip controls. These can be restored by recalling Scene 9 within the Template Show:

• Fader	B1, 00, <var> to B1, 1F, <var></var></var>
Rotary Gain	B2, 00, <var> to B2, 1F, <var></var></var>
Rotary Pan	B2, 20, <var> to B2, 3F, <var></var></var>
Rotary Custom 1	B2, 40, <var> to B2, 5F, <var></var></var>
Rotary Custom 2	B2, 60, <var> to B2, 7F, <var></var></var>
Rotary Custom 3	B2, 40, <var> to B2, 5F, <var></var></var>
Rotary Custom 4	B2, 60, <var> to B2, 7F, <var></var></var>
• Mute key =	91, 00, <var> to 91, 1F, <var></var></var>
• Mix key =	91, 20, <var> to 91, 3F, <var></var></var>
• PAFL key =	91, 40, <var> to 91, 5F, <var></var></var>
	Where <var> is the value determined by the position of the control.</var>

(i) The Sel key is not included as this is required to select this Processing screen for configuring the MIDI Strip.

i By default, Rotary Custom 3 uses the same values as Rotary Custom 1 and Rotary Custom 4 uses the same values as Rotary Custom 2

# **ALLEN&HEATH**

dLive MIDI TCP/IP Reference Table - v2.0

Scene Number	Scene Number	Input Channel	Input Channel	Mono Group	Stereo Group	Mono FX Send DCA	MixRack Socket	Name UFX Se	ends
SS	SS	CH (N=N)	CH (N=N)	CH (N=N+1)	CH (N=N+1)	CH (N=N+4) CH (N=N+4)	MP	Name CH (N=	
Bank 1 Bank 2 Bank 3 Bank 4 Hex	Bank 1 Bank 2 Bank 3 Bank 4 Hex	CH Hex CH Hex	CH Hex CH Hex	CH Hex CH Hex	CH Hex	CH Hex CH Hex	Sk Skt Hex	Char Hex CH H	
1 129 257 385 00 2 130 258 386 01	65 193 321 449 40	1 00 33 20	65 40 97 60	1 00 33 20	1 40	1 00 1 36	1 33 20		56
2 130 258 386 01 3 131 259 387 02	66 194 322 450 41 67 195 323 451 42	2 01 34 21 3 02 35 22	66 41 98 61 67 42 99 62	2 01 34 21 3 02 35 22	2 41 3 42	2 01 2 37 3 02 3 38	2 34 21 3 35 22		57 58
4 132 260 388 03	68 196 324 452 43	4 03 36 23	68 43 100 63	4 03 36 23	4 43	4 03 4 39	4 36 23		59
5 133 261 389 04	69 197 325 453 44	5 04 37 24	69 44 101 64	5 04 37 24	5 44	5 04 5 3A	5 37 24		5A
6 134 262 390 05	70 198 326 454 45	6 05 38 25	70 45 102 65	6 05 38 25	6 45	6 05 6 3B	6 38 25		5B
7 135 263 391 06	71 199 327 455 46	7 06 39 26	71 46 103 66	7 06 39 26	7 46	7 06 7 3C	7 39 26		5C
8 136 264 392 07	72 200 328 456 47	8 07 40 27	72 47 104 67	8 07 40 27	8 47	8 07 8 3D	8 40 27		5D
9 137 265 393 08 10 138 266 394 09	73 201 329 457 48 74 202 330 458 49	9 08 41 28 10 09 42 29	73 48 105 68 74 49 106 69	9 08 41 28	9 48	9 08 9 3E 10 09 10 3F	9 41 28 # 42 29	1 49   i 69   * 2A   7 37     J 4A   i 6A   + 2B   8 38   UFX Re	
10 138 266 394 09 11 139 267 395 0A	75 203 331 459 4A	10 09 42 29 11 0A 43 2A	75 4A 107 6A	10 09 42 29 11 0A 43 2A	10 49 11 4A	10 09 10 3F 11 0A 11 40	# 42 29 # 43 2A	J 4A j 6A + 2B 8 38 UFX Re K 4B k 6B , 2C 9 39 CH (N=	
12 140 268 396 OB	76 204 332 460 4B	12 OB 44 2B	76 4B 108 6B	12 OB 44 2B	12 4B	12 OB 12 41	# 44 2B	L 4C I 6C - 2D CH H	
13 141 269 397 OC	77 205 333 461 4C	13 OC 45 2C	77 4C 109 6C	13 OC 45 2C	13 4C	13 OC 13 42	# 45 2C		5E
14 142 270 398 OD	78 206 334 462 4D	14 OD 46 2D	78 4D 110 6D	14 OD 46 2D	14 4D	14 OD 14 43	# 46 2D		5F
15 143 271 399 <b>0E</b> 16 144 272 400 <b>0F</b>	79 207 335 463 4E 80 208 336 464 4F	15 OE 47 2E 16 OF 48 2F	79 4E 111 6E 80 4F 112 6F	15 OE 47 2E 16 OF 48 2F	15 4E 16 4F	15 OE 15 44 16 OF 16 45	# 47 2E	O 4F 0 6F < 3C 3 6 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	60
16 144 272 400 <b>OF</b> 17 145 273 401 <b>10</b>	80 208 336 464 <b>4F</b> 81 209 337 465 <b>50</b>	16 OF 48 2F 17 10 49 30	80 4F 112 6F 81 50 113 70	16 OF 48 2F 17 10 49 30	16 4F 17 50	16 UF 16 45	# 48 2F # 49 30	1 2 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2	62
18 146 274 402 11	82 210 338 466 51	18 11 50 31	82 51 114 71	18 11 50 31	18 51	Stereo FX Send 18 47	# 50 31	R 52 r 72 ? 3F	63
19 147 275 403 12	83 211 339 467 52	19 12 51 32	83 52 115 72	19 12 51 32	19 52	CH (N=N+4) 19 48	# 51 <b>32</b>	S 53 S 73 @ 40 7 6	64
20 148 276 404 13	84 212 340 468 53	20 13 52 33	84 <b>53</b> 116 <b>73</b>	20 13 52 33	20 53	CH Hex 20 49	# 52 <b>33</b>		65
21 149 277 405 14	85 213 341 469 54	21 14 53 34	85 54 117 74	21 14 53 34	21 54	1 10 21 4A	# 53 34	U 55 u 75 \ 5C	
22 150 278 406 <b>15</b> 23 151 279 407 <b>16</b>	86 214 342 470 55 87 215 343 471 56	22 15 54 35 23 16 55 36	86 55 118 75 87 56 119 76	22 15 54 35 23 16 55 36	22 <b>55</b> 23 <b>56</b>	2 11 22 4B 3 12 23 4C	# 54 <b>35</b> # 55 <b>36</b>	V 56 v 76 ] 5D W 57 w 77 5F	
23 151 279 407 16	87 215 343 471 56 88 216 344 472 57	23 16 55 36 24 17 56 37	87 56 119 76 88 57 120 77	23 16 55 36 24 17 56 37	23 56 24 57	3 12 23 4C 4 13 24 4D	# 55 36 # 56 37	W 57 W 77 _ 5F X 58 x 78 { 7B	
25 153 281 409 18	89 217 345 473 58	25 18 57 38	89 58 121 78	25 18 57 38	25 58	5 14	# 57 38	Y 59 Y 79 } 7D	
26 154 282 410 19	90 218 346 474 59	26 19 58 39	90 59 122 79	26 19 58 39	26 59	6 15 MUTE Group	# 58 <b>39</b>	Z 5A z 7A ~ 7E	
27 155 283 411 1A	91 219 347 475 <b>5A</b>	27 1A 59 3A	91 5A 123 7A	27 1A 59 3A	27 <b>5A</b>	7 16 CH (N=N+4)	# 59 <b>3A</b>		
28 156 284 412 1B	92 220 348 476 5B	28 1B 60 3B	92 5B 124 7B	28 1B 60 3B	28 5B	8 17 CH Hex	# 60 3B		
29 157 285 413 1C 30 158 286 414 1D	93 221 349 477 5C 94 222 350 478 5D	29 1C 61 3C 30 1D 62 3D	93 5C 125 7C 94 5D 126 7D	29 1C 61 3C 30 1D 62 3D	29 5C 30 5D	9 18 1 4E 10 19 2 4F	# 61 3C # 62 3D	Gain Value Colour GV Col	
31 159 287 415 1E	95 223 351 479 5E	31 1E 63 3E	95 5E 127 7E	30 1D 62 3D	31 5E	10 19 2 4F 11 1A 3 50	# 63 3E	dB Hex Dec Colour Hex	
32 160 288 416 1F	96 224 352 480 <b>5F</b>	32 1F 64 3F	96 <b>5F</b> 128 <b>7F</b>	32 1F		12 1B 4 51	# 64 <b>3F</b>	+60 7F 127 Off 00	
33 161 289 417 <b>20</b>	97 225 353 481 60					13 1C   5 52		+55 73 115 Red 01	
33 161 289 417 <b>20</b> 34 162 290 418 <b>21</b>	97 225 353 481 <b>60</b> 98 226 354 482 <b>61</b>	Mono Aux	Stereo Aux	Mono Matrix	Stereo Matrix	13 1C 5 52 14 1D 6 53	D DX3/4 Socket	+55 73 115 Red 01 +50 67 103 Green 02	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62	Mono Aux CH (N=N+2)	Stereo Aux CH (N=N+2)	Mono Matrix CH (N=N+3)	CH (N=N+3)	13 1C 5 52 14 1D 6 53 15 1E 7 54	D DX3/4 Socket	+55 73 115 Red 01 +50 67 103 Green 02 +45 5C 92 Yellow 03	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63	Mono Aux CH (N=N+2) CH Hex CH Hex	Stereo Aux CH (N=N+2) CH Hex	Mono Matrix CH (N=N+3) CH Hex CH Hex	CH (N=N+3) CH Hex	13 1C 5 52 14 1D 6 53	DIDX3/4 Socket MMP Sk Skt Hex	+55 73 115 Red 01 +50 67 103 Green 02 +45 5C 92 Yellow 03 +40 50 80 Blue 04	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62	Mono Aux CH (N=N+2)	Stereo Aux CH (N=N+2)	Mono Matrix CH (N=N+3)	CH (N=N+3)	13 1C 5 52 14 1D 6 53 15 1E 7 54	D:DX3/4 Socket MMP Sk Skt Hex	+55 73 115 Red 01 +50 67 103 Green 02 +45 5C 92 Yellow 03	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66	Mono Aux CH (N=N+2) CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42	Mono Matrix CH (N=N+3) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22	CH (N=N+3) CH Hex 1 40 2 41 3 42	13 1C   5 52   14 1D   6 53   15 1E   7 54   16 1F   8 55   FX Return   MIDI Channel	D.DX3/4 Socket MMP Sk Skt Hex 1 1 60 2 2 61 3 3 62	+55     73     115     Red     01       +50     67     103     Green     02       +45     5C     92     Yellow     03       +40     50     80     Blue     04       +35     45     69     Purple     05       +30     3A     58     Lt Blue     06       +25     2E     46     White     07	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67	Mono Aux CH (N=N+2) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42 4 43	Mono Matrix CH (N=N+3) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23	CH (N=N+3) CH Hex 1 40 2 41 3 42 4 43	13 1C 5 52 14 1D 6 53 15 1E 7 54 16 1F 8 55 FX Return MIDI Channel CH (N=N+4) N	D.DX3/4 Socket MMP Sk Skt Hex 1 1 60 2 2 61 3 3 62 4 4 63	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68	Mono Aux CH (N=N+2) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42 4 43 5 44	Mono Matrix CH (N=N+3) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24	CH (N=N+3) CH Hex 1 40 2 41 3 42 4 43 5 44	13 1C 5 52 14 1D 6 53 15 1E 7 54 16 1F 8 55  FX Return MIDI Channel CH (N=N+4) N CH Hex Mix Hex	D:DX3/4 Socket MMP Sk Skt Hex 1 1 60 2 2 61 3 3 62 4 4 63 5 5 64	+55 73 115	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69	Mono Aux CH (N=N+2) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42 4 43 5 44 6 45	Mono Matrix CH (N=N+3) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45	13 1C 5 52 14 1D 6 53 15 1E 7 54 16 1F 8 55  FX Return CH (N=N+4) N CH Hex Mix Hex 1 20 1 00	D:DX3/4 Socket MMMP  1 1 60 2 2 61 3 3 62 4 4 63 5 5 64 6 6 65	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69	Mono Aux CH (N=N+2) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42 4 43 5 44 6 45	Mono Matrix CH (N=N+3) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24	CH (N=N+3) CH Hex 1 40 2 41 3 42 4 43 5 44	13 1C 5 52 14 1D 6 53 15 1E 7 54 16 1F 8 55  FX Return MIDI Channel CH (N=N+4) N CH Hex Mix Hex	D.DX3/4 Socket MMP Sk Skt Hex 1 1 60 2 2 61 3 3 62 4 4 63 5 5 64 6 6 65 7 7 66	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48	Mono Matrix CH (N=N+3) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return   MIDI Channel     CH   Hex   Mix   Hex     1   20   2   01     3   22   3   02     4   23   4   03	D. DX3/4 Socket MMP Sk Skt Hex 1 1 60 2 2 2 61 3 3 62 4 4 63 5 5 64 6 6 65 7 7 66 8 8 67 9 9 68	+55	
33 161 289 417 20 34 162 299 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49	Mono Matrix  CH (N=N+3)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 28	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49	13 1C 5 52 14 1D 6 53 15 1E 7 54 16 1F 8 55 FX Return MIDI Channel N CH Hex Mix Hex 1 20 1 0 0 2 21 2 01 3 22 3 02 4 23 4 03 5 24 5 04	D:DX3/4 Socket MMP Sk: Skt: Hex 1 1 60 2 2 61 3 3 62 4 4 63 5 5 64 6 6 65 7 7 66 8 8 67 9 9 9 68 # 10 69	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E	Mono Aux CH (N=N+2) CH	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A	Mono Matrix CH (N=N+3) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return CH (N=N+4) N     CH Hex Mix Hex     1   20   2   01     3   22   3   02     4   23   4   03     5   24   5   04     6   25   6   05	D DX3/4 Socket MMP Sk Skt Hex  1 1 1 60 2 2 2 61 3 3 62 4 4 63 5 5 64 6 6 65 7 7 7 66 8 8 67 9 9 68 # 10 69 # 11 68	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B	Mono Matrix CH (N=N+3) CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B	CH (N=N+3) CH Hex 1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return   MIDI Channel     CH   (N=N+4)   N     CH   Hex   Mix   Hex     1   20   2   01     3   22   3   02     4   23   4   03     5   24   6   05     7   26   7   06	D DX3/4 Socket MMP  Sk Skt Hex  1 1 1 60 2 2 61 3 3 62 4 4 63 5 5 64 4 4 63 6 6 6 65 7 7 7 66 8 8 67 9 9 66 # 10 69 # 11 6A # 12 6B	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E	Mono Aux CH (N=N+2) CH	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A	Mono Matrix  CH (N=N+3)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return CH (N=N+4) N     CH Hex Mix Hex     1   20   2   01     3   22   3   02     4   23   4   03     5   24   5   04     6   25   6   05	D DX3/4 Socket MMP Sk Skt Hex  1 1 1 60 2 2 2 61 3 3 62 4 4 63 5 5 64 6 6 65 7 7 7 66 8 8 67 9 9 68 # 10 69 # 11 68	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F 49 177 305 433 30	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F 113 241 369 497 70	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1	Stereo Aux CH (N=N+2) CH Hex 1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C	Mono Matrix CH (N=N+3) CH Hex CH Hex 1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return   MIDI Channel     CH (N=N+4)   N     CH   Hex   Mix   Hex     1   20   1   00     2   21   2   01     3   22   3   02     4   23   4   03     5   24   5   04     6   25   6   05     7   26   7   06     8   27   8   07	D DX3/4 Socket MMP  Sk Skt Hex  1 1 0 0 1 2 2 61 3 3 62 4 4 4 63 4 4 4 63 6 6 6 6 6 6 6 6 6 6 6	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F 49 177 305 433 30 50 178 306 434 31 51 179 307 435 32 52 180 308 435 33	97 225 383 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E	Mono Matrix  CH (N=N+3)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return CH (N=N+4) N     CH Hex Mix Hex     1   20   2   01     3   22   3   02     4   23   4   03     5   24   5   04     6   25   6   05     7   26   7   06     8   27   8   07     9   28   9   08     10   29   11   0A	D DX3/4 Socket MMP Sk Skt Hex  1   1   60 2   2   61 3   3   62 4   4   6   6 5   5   64 6   6   65 8   8   67 9   9   68 8   8   67 9   9   68 #   11   6A #   12   6B #   13   6C #   14   6D #   15   6E #   16   6F	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F 49 177 305 433 30 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 181 309 437 34	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 117 245 373 74	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50	Mono Matrix CH (N=N+3) CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 111 4A 12 4B 13 4C 14 4D 15 4E 16 4F	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return   CH (N=N+4)   N   Mix   Hex     1   20   2   01     3   22   3   02     4   23   4   03     5   24   5   04     6   25   6   05     7   26   7   06     8   27   8   07     9   28   9   08     10   29   10   09     11   2A   11   0A     12   2B   12   0B	D DX3/4 Socket  MMP  Sk Skt Hex  1 60 2 2 61 3 3 62 5 5 64 4 4 63 5 5 66 6 6 6 65 7 7 7 66 8 8 67 9 9 68 # 10 69 # 11 6A # 12 6B # 13 6C # 14 6D # 15 6E # 16 6F # 16 6F	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F 49 177 305 433 30 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 181 309 437 34 54 182 310 438 35	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 117 245 373 74 118 246 374 75	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51	Mono Matrix  CH (N=N+3)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 22 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return   MIDI Channel     CH   (N=N+4)   N     CH   Hex   Mix   Hex     1   20   2   01     3   22   3   02     4   23   4   03     5   24   5   04     6   25   6   05     7   26   7   06     8   27   8   07     9   28   9   08     10   29   10   09     11   2A   11   0A     12   2B   12   0B     13   2C   13   0C	D DX3/4 Socket MMP  Sk Skt Hex  1 1 0 61 3 3 62 4 4 63 5 5 64 6 6 65 8 8 67 7 7 66 8 8 67 9 9 9 68 # 10 69 # 11 6A # 12 6B # 13 6C # 14 6D # 15 6E # 16 6F # 17 70 # 18 71	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F 49 177 305 433 30 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 181 309 437 34	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 117 245 373 74	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50	Mono Matrix CH (N=N+3) CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 111 4A 12 4B 13 4C 14 4D 15 4E 16 4F	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return   CH (N=N+4)   N   Mix   Hex     1   20   2   01     3   22   3   02     4   23   4   03     5   24   5   04     6   25   6   05     7   26   7   06     8   27   8   07     9   28   9   08     10   29   10   09     11   2A   11   0A     12   2B   12   0B	D DX3/4 Socket  MMP  Sk Skt Hex  1 60 2 2 61 3 3 62 5 5 64 4 4 63 5 5 66 6 6 6 65 7 7 7 66 8 8 67 9 9 68 # 10 69 # 11 6A # 12 6B # 13 6C # 14 6D # 15 6E # 16 6F # 16 6F	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F 49 177 305 433 30 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 181 309 437 34 54 182 310 438 35 55 183 311 439 36	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 117 245 373 74 118 246 374 75 119 247 375 76	Mono Aux  CH (N=N+2)  CH   Hex   CH   Hex  1   00   33   20   2   01   34   21   3   02   35   22   4   03   36   23   5   04   37   24   6   05   38   25   7   06   39   26   8   07   40   27   9   08   41   28   10   09   42   29   11   0A   43   2A   12   0B   44   2B   13   0C   45   2C   14   0D   46   2D   15   0E   47   2E   16   0F   48   2F   17   10   49   30   18   11   50   31   19   12   51   32	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52	Mono Matrix  CH (N=N+3)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 111 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return CH (N=N+4) N     CH Hex	D DX3/4 Socket MMP Sk Skt Hex  1   1   60 2   2   61 3   3   62 4   4   6   6 5   5   64 6   6   65 8   8   67 9   9   68 8   8   67 9   9   68 #   11   6A #   12   6B #   13   6C #   14   6D #   15   6E #   17   70 #   18   71 #   19   72	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F 49 177 305 433 30 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 181 309 437 34 54 182 310 438 35 55 183 311 439 36 56 184 312 440 37 57 185 31 441 38 58 186 314 442 39	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 238 366 494 6D 111 234 369 497 70 111 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 117 245 373 74 118 246 374 75 120 248 376 77 121 249 377 78	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31 19 12 51 32 20 13 52 33 21 14 53 34 22 15 54 35	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55	Mono Matrix CH (N=N+3) CH Hex CH Hex  1 00 33 20 33 20 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31 19 12 51 32 20 13 52 33 21 14 53 34 22 15 54 35	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 111 4A 112 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return   CH (N=N+4)   N   Hex     1   20   2   01     3   22   3   02     4   23   4   03     5   24   5   04     6   25   6   05     7   26   7   06     8   27   8   07     9   28   9   08     10   29   10   09     11   2A   11   0A     12   2B   12   0B     13   2C   14   2D     15   2E   15   0E	D DX3/4 Socket  MMP  Sk Skt Hex  1 60 2 2 61 3 3 62 4 4 63 5 5 64 4 6 6 6 65 7 7 66 8 8 67 9 9 68 # 10 69 # 11 6A # 12 6B # 13 6C # 14 6D # 15 6E # 16 6F # 17 70 # 18 71 # 18 71 # 18 71 # 20 73 # 21 74 # 22 75	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F 49 177 305 433 30 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 181 309 437 34 54 182 310 438 35 55 183 311 439 36 56 184 312 440 37 57 185 313 441 38 58 186 314 442 39 59 187 315 443 3A	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 117 245 373 74 118 246 374 75 119 247 375 76 120 248 376 77 121 249 377 78 122 250 378 79 123 251 379 7A	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31 19 12 51 32 20 13 52 33 21 14 53 34 22 15 54 35	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55	Mono Matrix  CH (N=N+3)  CH Hex CH Hex  1 00 33 20 1 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31 19 12 51 32 20 13 52 33 21 14 53 34 22 15 54 35	CH (N=N+3) CH Hex 1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55 23 56	13   1C   6   53   52     14   1D   6   53     15   1E   7   54     16   1F   7   54     16   1F   8   55      FX Return CH (N=N+4) N   Mix Hex     1   20   2   01     3   22   3   02   2   01     3   22   3   02   4   23   4   03     5   24   6   05   5   04     6   25   6   05   7   26   7   06     8   27   8   07   07     9   28   9   08     10   29   10   09     11   2A   11   0A     12   2B   12   0B     13   2C   14   2D     15   2E   15   0E     16   2F   16   0F	D DX3/4 Socket MMP  Sk Skt Hex  1 1 1 60 1 2 2 61 3 3 62 4 4 63 5 5 64 4 4 63 6 6 6 65 7 7 7 66 8 8 67 8 8 67 8 10 69 # 11 6A # 12 6B # 13 6C # 14 6D # 15 6E # 16 6F # 16 6F # 17 70 # 18 71 # 19 72 # 20 73 # 21 74 # 22 75	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 3P 50 178 306 434 31 51 179 307 435 32 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 181 309 437 34 54 182 310 438 35 55 183 311 439 36 56 184 312 440 37 57 185 313 441 38 58 186 314 442 39 59 187 315 444 3B	97 225 383 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 117 245 373 74 118 246 374 75 119 247 375 76 120 248 376 77 121 249 377 78 122 250 378 79 123 251 379 7A	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55 23 56 24 57	Mono Matrix  CH (N=N+3)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31 19 12 51 32 20 13 52 33 21 14 53 34 22 15 54 35 23 16 55 36	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 111 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55 23 56 24 57	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return CH (N=N+4) N     CH Hex	D DX3/4 Socket MMP  Sk Skt Hex  1	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F 49 177 305 433 30 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 161 309 437 34 54 182 310 438 35 55 183 311 439 36 56 184 312 440 37 57 185 313 441 38 58 186 314 442 39 59 187 315 443 3A 60 188 316 444 3B 61 189 317 4445 3C	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 118 246 373 74 118 246 374 75 120 248 376 77 121 249 377 78 122 250 378 79 123 251 379 7A 124 252 380 7B 125 253 381 7C	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31 19 12 51 32 20 13 52 33 21 14 53 34 22 15 54 35 23 16 55 36 24 17 56 37 25 18 57 38	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55 23 56 24 57 25 58	Mono Matrix CH (N=N+3) CH Hex CH Hex 1 00 33 20 33 20 35 22 4 03 36 23 56 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 0 9 42 29 11 0A 42 20 11 0A 4	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 111 4A 112 4B 13 4C 114 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55 23 56 24 57 25 58	FX Return CH (N=N+4) CH Hex 1 23 4 03 5 24 5 04 6 25 6 05 7 26 7 06 8 27 26 7 06 8	D DX3/4 Socket MMP  Sk Skt Hex  1 60 2 2 61 3 3 62 5 5 64 4 4 63 5 5 66 6 6 6 65 7 7 7 66 8 8 67 9 9 88 # 10 68 # 11 6A # 12 6B # 13 6C # 14 6D # 15 6E # 16 6F # 17 70 # 18 71 # 21 74 # 22 75 # 23 76 # 24 77 # 25 78	1.55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 3P 50 178 306 434 31 51 179 307 435 32 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 181 309 437 34 54 182 310 438 35 55 183 311 439 36 56 184 312 440 37 57 185 313 441 38 58 186 314 442 39 59 187 315 444 3B	97 225 383 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 239 367 495 6E 112 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 117 245 373 74 118 246 374 75 119 247 375 76 120 248 376 77 121 249 377 78 122 250 378 79 123 251 379 7A	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55 23 56 24 57 25 58	Mono Matrix  CH (N=N+3)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31 19 12 51 32 20 13 52 33 21 14 53 34 22 15 54 35 23 16 55 36	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 111 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55 23 56 24 57	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return CH (N=N+4) N     CH Hex	D DX3/4 Socket MMP  Sk Skt Hex  1	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 49 177 305 433 30 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 181 309 437 34 54 182 310 438 35 55 183 311 439 36 56 184 312 440 37 57 185 313 441 38 58 186 314 442 39 59 187 315 443 3A 60 188 316 444 3B 61 189 317 445 3C	97 225 383 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 238 367 495 6E 112 240 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 117 245 373 74 118 246 374 75 119 247 375 76 120 248 376 77 121 249 377 78 122 250 378 79 124 525 380 78 125 253 381 7C 126 254 382 7D	Mono Aux  CH (N=N+2)  CH   Hex   CH   Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31 19 12 51 32 20 13 52 33 21 14 53 34 22 15 54 35 23 16 55 36 24 17 56 37 25 18 57 38 26 19 58 39 27 1A 59 3A 28 1B 50 3B	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55 23 56 24 57 25 58 26 59 27 5A 28 5B	Mono Matrix  CH (N=N+3)  CH Hex CH Hex  1 00 33 20 33 20 13 4 21 3 02 35 22 4 03 36 23 56 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 28 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31 19 12 51 32 20 13 52 33 4 22 11 4 53 34 22 15 54 35 23 16 55 36 24 17 56 37 25 18 57 38 26 19 58 39 27 1A 59 3A 28 1B 67 38 3A 28 19 59 3A 28 1B 67 38 39 27 1A 59 3A 28 1B 67 38 3A	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 112 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55 23 56 24 57 25 58 26 59 27 5A	13   1C	D DX3/4 Socket MMP  Sk SkH 1 1 1 60  1 2 2 61 3 3 3 52 2 2 61 3 3 3 52 5 5 64 4 4 63 5 5 66 6 6 6 65 7 7 7 66 8 8 6 67 8 8 7 7 66 8 8 67 10 69 # 11 6A # 12 6B # 13 6C # 14 6D # 15 6E # 16 6F # 16 6F # 17 70 # 18 71 # 19 72 # 20 73 # 21 74 # 22 75 # 23 76 # 24 77 # 25 78 # 26 79 # 27 7A	+55	
33 161 289 417 20 34 162 290 418 21 35 163 291 419 22 36 164 292 420 23 37 165 293 421 24 38 166 294 422 25 39 167 295 423 26 40 168 296 424 27 41 169 297 425 28 42 170 298 426 29 43 171 299 427 2A 44 172 300 428 2B 45 173 301 429 2C 46 174 302 430 2D 47 175 303 431 2E 48 176 304 432 2F 49 177 305 433 30 50 178 306 434 31 51 179 307 435 32 52 180 308 436 33 53 181 309 437 34 54 182 310 438 35 55 183 311 439 36 56 184 312 440 37 57 185 313 441 38 58 186 314 442 39 59 187 315 443 3A 60 188 316 444 3B 61 189 317 445 3C 62 190 318 446 3D 63 191 319 447 3E	97 225 353 481 60 98 226 354 482 61 99 227 355 483 62 100 228 356 484 63 101 229 357 485 64 102 230 358 486 65 103 231 359 487 66 104 232 360 488 67 105 233 361 489 68 106 234 362 490 69 107 235 363 491 6A 108 236 364 492 6B 109 237 365 493 6C 110 238 366 494 6D 111 238 366 494 6D 111 234 368 496 6F 113 241 369 497 70 114 242 370 498 71 115 243 371 499 72 116 244 372 500 73 117 245 373 74 118 246 374 75 120 248 376 77 121 249 377 78 122 250 378 79 123 251 379 7A 124 252 380 7B 125 253 381 7C 126 254 382 7D	Mono Aux  CH (N=N+2)  CH Hex CH Hex  1	Stereo Aux CH (N=N+2) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 11 4A 12 4B 13 4C 14 4D 15 4E 16 4F 17 50 18 51 19 52 20 53 21 54 22 55 23 56 24 57 25 58 26 59 27 5A 28 5B 29 5C	Mono Matrix  CH (N=N+3)  CH Hex CH Hex  1 00 33 20 2 01 34 21 3 02 35 22 4 03 36 23 5 04 37 24 6 05 38 25 7 06 39 26 8 07 40 27 9 08 41 28 10 09 42 29 11 0A 43 2A 12 0B 44 2B 13 0C 45 2C 14 0D 46 2D 15 0E 47 2E 16 0F 48 2F 17 10 49 30 18 11 50 31 19 12 51 32 20 13 52 33 19 12 51 32 20 13 52 33 21 14 53 34 22 15 54 35 23 16 55 36 24 17 56 37 25 18 57 38 26 19 58 39 27 1A 59 3A 28 1B 60 3B 28 1B 60 3B 28 1B 60 3B	CH (N=N+3) CH Hex  1 40 2 41 3 42 4 43 5 44 6 45 7 46 8 47 9 48 10 49 111 4A 12 4B 13 4C 14 4D 15 4E 17 50 18 51 19 52 20 53 21 54 22 55 23 56 24 57 25 58 26 59 27 5A 28 5B	13   1C   5   52     14   1D   6   53     15   1E   7   54     16   1F   8   55      FX Return   CH (N=N+4)   N   Mix   Hex     1   20   2   21   1   00     2   21   2   01     3   22   3   4   03     5   24   5   04     6   25   6   05     7   26   7   06     8   27   8   07     9   28   9   08     10   29   10   09     11   2A   11   0A     12   2B   13   0C     14   2D   14   0D     15   2E   15   0E     16   2F   16   0F      Mains   CH (N=N+4)     CH   Hex   1   30     2   31     3   32	D DX3/4 Socket MMP  Sk Skt Hex  1 1 61 3 3 62 4 4 63 5 5 64 6 6 65 8 8 6 67 7 7 66 8 8 6 67 8 11 6A 11 6A 11 6A 11 6A 11 1 6A	+55	
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