

# iLive MIDI Specification

## Scene number

	SS	
	Hex	
1	00	129
2	01	130
3	02	131
4	03	132
5	04	133
6	05	134
7	06	135
8	07	136
9	08	137
10	09	138
11	0A	139
12	0B	140
13	0C	141
14	0D	142
15	0E	143
16	0F	144
17	10	145
18	11	146
19	12	147
20	13	148
21	14	149
22	15	150
23	16	151
24	17	152
25	18	153
26	19	154
27	1A	155
28	1B	156
29	1C	157
30	1D	158
31	1E	159
32	1F	160
33	20	161
34	21	162
35	22	163
36	23	164
37	24	165
38	25	166
39	26	167
40	27	168
41	28	169
42	29	170
43	2A	171
44	2B	172
45	2C	173
46	2D	174
47	2E	175
48	2F	176
49	30	177
50	31	178
51	32	179
52	33	180
53	34	181
54	35	182
55	36	183
56	37	184
57	38	185
58	39	186
59	3A	187
60	3B	188
61	3C	189
62	3D	190
63	3E	191
64	3F	192

	SS	
	Hex	
65	40	193
66	41	194
67	42	195
68	43	196
69	44	197
70	45	198
71	46	199
72	47	200
73	48	201
74	49	202
75	4A	203
76	4B	204
77	4C	205
78	4D	206
79	4E	207
80	4F	208
81	50	209
82	51	210
83	52	211
84	53	212
85	54	213
86	55	214
87	56	215
88	57	216
89	58	217
90	59	218
91	5A	219
92	5B	220
93	5C	221
94	5D	222
95	5E	223
96	5F	224
97	60	225
98	61	226
99	62	227
100	63	228
101	64	229
102	65	230
103	66	231
104	67	232
105	68	233
106	69	234
107	6A	235
108	6B	236
109	6C	237
110	6D	238
111	6E	239
112	6F	240
113	70	241
114	71	242
115	72	243
116	73	244
117	74	245
118	75	246
119	76	247
120	77	248
121	78	249
122	79	250
123	7A	
124	7B	
125	7C	
126	7D	
127	7E	
128	7F	

## Input Channel number

CC		CC		CC		CC	
CH	Hex	CH	Hex	CH	Hex	CH	Hex
1	20	17	30	33	40	49	50
2	21	18	31	34	41	50	51
3	22	19	32	35	42	51	52
4	23	20	33	36	43	52	53
5	24	21	34	37	44	53	54
6	25	22	35	38	45	54	55
7	26	23	36	39	46	55	56
8	27	24	37	40	47	56	57
9	28	25	38	41	48	57	58
10	29	26	39	42	49	58	59
11	2A	27	3A	43	4A	59	5A
12	2B	28	3B	44	4B	60	5B
13	2C	29	3C	45	4C	61	5C
14	2D	30	3D	46	4D	62	5D
15	2E	31	3E	47	4E	63	5E
16	2F	32	3F	48	4F	64	5F

## FX Send

CH	Hex
1	00
2	01
3	02
4	03
5	04
6	05
7	06
8	07

## FX Return

CH	Hex
1	08
2	09
3	0A
4	0B
5	0C
6	0D
7	0E
8	0F

## Mix Channel number

CC		CC	
Mix	Hex	Mix	Hex
1	60	17	70
2	61	18	71
3	62	19	72
4	63	20	73
5	64	21	74
6	65	22	75
7	66	23	76
8	67	24	77
9	68	25	78
10	69	26	79
11	6A	27	7A
12	6B	28	7B
13	6C	29	7C
14	6D	30	7D
15	6E	31	7E
16	6F	32	7F

## DCA number

CC	Hex
1	10
2	11
3	12
4	13
5	14
6	15
7	16
8	17
9	18
10	19
11	1A
12	1B
13	1C
14	1D
15	1E
16	1F

## MIDI channel

N	Hex
1	0
2	1
3	2
4	3
5	4
6	5
7	6
8	7
9	8
10	9
11	A
12	B
13	C
14	D
15	E
16	F

## Fader level

dBu	Hex	Dec
+10	7F	127
+5	74	117
0	6B	107
-5	61	97
-10	57	87
-15	4D	77
-20	43	67
-25	39	57
-30	2F	47
-35	25	37
-40	1B	27
-45	11	17
-inf	00	00

## MIDI message types

	DA	DB
DCA	off	on
1	00	40
2	01	41
3	02	42
4	03	43
5	04	44
6	05	45
7	06	46
8	07	47
9	08	48
10	09	49
11	0A	4A
12	0B	4B
13	0C	4C
14	0D	4D
15	0E	4E
16	0F	4F
	off	on

## MUTE on

NOTE ON with velocity > 40 followed by NOTE OFF  
**9N, CC, 7F, 9N, CC, 00**

## MUTE off

NOTE ON with velocity < 40 followed by NOTE OFF  
**9N, CC, 3F, 9N, CC, 00**

## Fader level

NRPN with parameter ID 17 Value LV = 00 to 7F  
 Select fader Choose parameter Set fader value  
**BN, 63, CC, BN, 62, 17, BN, 06, LV**

## Scene recall

Change BANK followed by PROGRAM CHANGE  
 Bank 1 (1-128) **BN, 00, 00, CN, SS**  
 Bank 2 (129-250) **BN, 00, 01, CN, SS**

## DCA assignment

NRPN with parameter ID 40  
 Select fader Choose parameter Set ON or OFF  
**DCA assigned ON**  
**BN, 63, CC, N, 62, 40, BN, 06, DB**  
**DCA assigned OFF**  
**BN, 63, CC, BN, 62, 40, BN, 06, DA**

## <Sysex header>

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

MV = 01

Mv = 01

COLOUR	Off	Hex
	Off	00
	Red	01
	Green	02
	Yellow	03
	Blue	04
	Purple	05
	Lt Blue	06

## NAME

AS, AS, AS, AS, AS

AS = ascii character eg. 41 = 'A'

## Change NAME and COLOUR

Get NAME >>>>> Reply  
 <Sysex header>, 01, CC, F7 <Sysex header>, 02, CC, NAME, F7

Set NAME  
 <Sysex header>, 03, CC, NAME, F7

Get COLOUR >>>>> Reply  
 <Sysex header>, 04, CC, F7 <Sysex header>, 05, CC, COLOUR, F7

Set COLOUR  
 <Sysex header>, 06, CC, COLOUR, F7