



Quick Reference Card

MidiLite II v3.2.28 Firmware / MLsim Core Engine v1.0.7

Revised 9/2/11

Notes & Controller Commands

Individual Dimmer Control

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7	Block 8	Block 9	Block 10	Block 11	Block 12	Block 13	Block 14	Block 15
Red 1	Red 7	Red 13	Red 19	Red 25	Red 31	Red 37	Red 43	Red 49	Red 55	Red 61	Red 67	Red 73	Red 79	Red 85
White 2	White 8	White 14	White 20	White 26	White 32	White 38	White 44	White 50	White 56	White 62	White 68	White 74	White 80	White 86
Blue 3	Blue 9	Blue 15	Blue 21	Blue 27	Blue 33	Blue 39	Blue 45	Blue 51	Blue 57	Blue 63	Blue 69	Blue 75	Blue 81	Blue 87
Green 4	Green 10	Green 16	Green 22	Green 28	Green 34	Green 40	Green 46	Green 52	Green 58	Green 64	Green 70	Green 76	Green 82	Green 88
Amber 5	Amber 11	Amber 17	Amber 23	Amber 29	Amber 35	Amber 41	Amber 47	Amber 53	Amber 59	Amber 65	Amber 71	Amber 77	Amber 83	Amber 89
Purple 6	Purple 12	Purple 18	Purple 24	Purple 30	Purple 36	Purple 42	Purple 48	Purple 54	Purple 60	Purple 66	Purple 72	Purple 78	Purple 84	Purple 90

Color Groups

Master / Submasters

SuperPage Steps

Global User Banks

MIDI Channels

autoFX Speeds

Beats/Ticks

Red	101	GrandMaster	108	Red	91	Controller	110	MIDI Ch. 1 = Frame 1	MIDI Ch. 10 = Frame 10		= Speed 48		480 ticks = 1 beat
White	102	Red	111	White	92	value of 0 = Bank 0		MIDI Ch. 2 = Frame 2	MIDI Ch. 11 = Frame 11		= Speed 36		= 480 ticks
Blue	103	White	112	Blue	93	value of 1 = Bank 1		MIDI Ch. 3 = Frame 3	MIDI Ch. 12 = Frame 12		triplet = Speed 32		= 360 ticks
Green	104	Blue	113	Green	94	value of 2 = Bank 2		MIDI Ch. 4 = Frame 4	MIDI Ch. 13 = Frame 13		= Speed 24		= 240 ticks
Amber	105	Green	114	Amber	95			MIDI Ch. 5 = Frame 5	MIDI Ch. 14 = Frame 14		= Speed 18		= 180 ticks
Purple	106	Amber	115	Purple	96			MIDI Ch. 6 = Frame 6	MIDI Ch. 15 = Frame 15		triplet = Speed 16		= 120 ticks
All Matrix Dimmers	107	Purple	116					MIDI Ch. 7 = Frame 7	MIDI Ch. 16 = Global		= Speed 12		= 90 ticks
								MIDI Ch. 8 = Frame 8	Odd Frames		= Speed 9		= 60 ticks
								MIDI Ch. 9 = Frame 9	All Frames		triplet = Speed 8		= 320 ticks
											= Speed 6		Triplets = 160 ticks
											triplet = Speed 4		Triplets = 80 ticks
											= Speed 3		

Poly Pressure Commands

Fade Rates	Values	autoFX Transition Speeds	Misc. Commands
1-90 Dimmers 1-90 Fade Rates	0-127 = 0 to 12.7 sec	91-98 autoFX Transition Speeds 0-127 = clock delay	99 Page Select 0=Live, 64=Bkgnd, 127=Blind
101-106 Color Group Fade Rates	0-127 = 0 to 12.7 sec	(91 = Red; 92 = White; 93 = Blue; 94 = Green; 95 = Amber; 96 = Purple; 97 = Random; 98 = DME)	127 Default Level 0-127
107 All Matrix Fade Rates	0-127 = 0 to 12.7 sec	Take/Fade Mode Commands	
108 Master Fade Rate	0-127 = 0 to 12.7 sec	0 Pgm Change Mode 0=Take, 64 = Pop Fade, 127=Fade	
110 Aux Fade Rates	0-127 = 0 to 12.7 sec	100 Note/Controller Mode 0=Take, 64 = Pop Fade, 127=Fade	
111-125 Blocks 1-15 Fade Rate	0-127 = 0 to 12.7 sec	109 Master Mode 0=Take, 127=Fade	

* when using MIDI Clock

Program Changes (Patch Changes) / Built-In Effects Programs

Bank 0 - Standard Programs

Pgm Description	Pgm Description	Pgm Description	Pgm Description	Pgm Description
0 Set Red	24 Add Red	48 Subtract Red	72 Ramp Red In	92 Merge to Live
1 Set White	25 Add White	49 Subtract White	73 Ramp White In	93 Merge to Bkgnd
2 Set Blue	26 Add Blue	50 Subtract Blue	74 Ramp Blue In	94 Clear Bkgnd
3 Set Green	27 Add Green	51 Subtract Green	75 Ramp Green In	
4 Set Amber	28 Add Amber	52 Subtract Amber	76 Ramp Amber In	
5 Set Purple	29 Add Purple	53 Subtract Purple	77 Ramp Purple In	
8 Set Red Even	32 Add Red Even	56 Sub Red Even	80 Ramp Red Out	
9 Set White Even	33 Add White Even	57 Sub White Even	81 Ramp White Out	
10 Set Blue Even	34 Add Blue Even	58 Sub Blue Even	82 Ramp Blue Out	
11 Set Green Even	35 Add Green Even	59 Sub Green Even	83 Ramp Green Out	
12 Set Amber Even	36 Add Amber Even	60 Sub Amber Even	84 Ramp Amber Out	
13 Set Purple Even	37 Add Purple Even	61 Sub Purple Even	85 Ramp Purple Out	
16 Set Red Odd	40 Add Red Odd	64 Sub Red Odd	88 Set All Matrix On	
17 Set White Odd	41 Add White Odd	65 Sub White Odd	89 Set All Matrix Off	
18 Set Blue Odd	42 Add Blue Odd	66 Sub Blue Odd	90 Set All On	
19 Set Green Odd	43 Add Green Odd	67 Sub Green Odd	91 Set All Off	
20 Set Amber Odd	44 Add Amber Odd	68 Sub Amber Odd		
21 Set Purple Odd	45 Add Purple Odd	69 Sub Purple Odd		

Banks 1-16 - Block Changes

* These programs should only be accessed using MIDI Channel 16 (All) since they pass data between frames.

Banks 1-15 = Blocks 1-15
Bank 16 = All Blocks

Color Selection	Pgm	Description
Red = 1	64	Shift Colors Up
White = 2	65	Shift Colors Down
Blue = 4	66	Shift Blocks Up *
Green = 8	67	Shift Blocks Down *
Amber = 16	68	Push Blocks Up *
Purple = 32	69	Push Blocks Down *

(add numbers together to get program number; 0-63)

Panic!

To turn all dimmers off instantly and cancel all fades:
Send a Note 123 or use the "Panic" Button on the Midi Time Piece Interface.



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Program Changes (Patch Changes) / Built-In Effects Programs

Bank 17 - Random Effects		Bank 18 - DME Effects		Bank 20 - Mode Control		Banks 21-26 • Color EFX									
Pgm	Description	Pgm	Description	Pgm	Description	<i>Bank 21 = Red</i>		<i>Bank 23 = Blue</i>		<i>Bank 25 = Amber</i>					
0	Reset Random	0	Reset DME Pointer	0	Recall User Defaults	<i>Bank 22 = White</i>		<i>Bank 24 = Green</i>		<i>Bank 26 = Purple</i>					
1	Strobe Single	1-15	Swap Blocks 1-15	1	Pgm Mode = TAKE *	Pgm	Description	Pgm	Description						
2	Strobe Multiple	16	Swap Even	2	Pgm Mode = FADE	0	Graduate 0°	8	Graduate 180°						
3	Select Single	17	Swap Odd	29	Pgm Mode = POP FADE	1	Graduate 22°	9	Graduate 202°						
4	Select Multiple	18	Swap All	3	Note/Cont Mode = TAKE *	2	Graduate 45°	10	Graduate 225°						
5	Change Single	19	Random Swap	4	Note/Cont Mode = FADE	3	Graduate 67°	11	Graduate 247°						
6	Change Multiple	20	Copy Live to Blind	14	Note/Cont Mode = POP FADE	4	Graduate 90°	12	Graduate 270°						
7	Random Pop Red	21	Shift Left	5	GrandMaster Mode = TAKE	5	Graduate 112°	13	Graduate 292°						
8	Random Pop White	22	Shift Right	6	GrandMaster Mode = FADE *	6	Graduate 135°	14	Graduate 315°						
9	Random Pop Blue	23	Shift Colors Up	11	autoFX All Stop	7	Graduate 157°	15	Graduate 337°						
10	Random Pop Green	24	Shift Colors Down	12	autoFX Timing = Internal	64	Graduate Step CW	96	autoFX Graduate CW						
11	Random Pop Amber	25	Push Left	13	autoFX Timing = MIDI Clock	65	Graduate Step CCW	97	autoFX Graduate CCW						
12	Random Pop Purple	26	Push Right	15	Learn Aux Page	66	SuperPage Step Fwd	98	autoFX SuperPage Fwd						
13	Random Pop All	27	Hide Left	19	Page = LIVE *	67	SuperPage Step Rev	99	autoFX SuperPage Rev						
20	Random Row Pops	28	Hide Right	20	Page = BLIND	68	SuperPage Loop Fwd	100	autoFX SP Loop Fwd						
27	Random Column Pops	29	Reveal Left	21	Page = BLIND / CLEAR	69	SuperPage Loop Rev	101	autoFX SP Loop Rev						
65	autoFX Strobe Single	30	Reveal Right	22	Page = BACKGROUND	70	SuperPage Mtx Fwd	102	autoFX SP Mtx Fwd						
66	autoFX Strobe Multi	31	Shift Up †	30-32	Global User Banks 0-2 * default = 0	71	SuperPage Mtx Rev	103	autoFX SP Mtx Rev						
67	autoFX Select Single	32	Shift Down †	33-48	Color Page User Banks 0-15	74	Random Pop Fade	106	autoFX Rnd Pop Fade						
68	autoFX Select Multi	33	Push Up †	23-25	Super Page User Banks 0-2	75	Random Row Pop	107	autoFX Rnd Row Pop						
69	autoFX Change Single	34	Push Down †	26-28	Snapshot User Banks 0-2	76	Random Column Pop	108	autoFX Rnd Column Pop						
70	autoFX Change Multi	83	autoFX Random Swap	50-60	GrandMaster Level = 0 to 100% * default = 100%	77	Next Color Page								
77	autoFX Pop All	85	autoFX Shift Left	61-70	Default Level = 10 to 100% * default = 100%	78	Prev Color Page								
84	autoFX Row Pop All	86	autoFX Shift Right	71-99	All Fade Rates (0 to 12.7 sec) * default = 1.0 second	113	autoFX Stop								
91	autoFX Column Pop All	87	autoFX Shift Colors Up	100-125	Master Fade Rates (0 to 12.7 sec) (Factory Default = 1.0 second)	114	autoFX Speed 1	121	autoFX Speed 12						
113	autoFX Random Stop	88	autoFX Shift Colors Down	126	Recall Factory Defaults	115	autoFX Speed 2	122	autoFX Speed 16						
114	autoFX Rnd Speed 1	89	autoFX Push Left	127	Store User Defaults	116	autoFX Speed 3	123	autoFX Speed 18						
115	autoFX Rnd Speed 2	90	autoFX Push Right			117	autoFX Speed 4 *	124	autoFX Speed 24						
116	autoFX Rnd Speed 3	91	autoFX Hide Left			118	autoFX Speed 6	125	autoFX Speed 32						
117	autoFX Rnd Speed 4 *	92	autoFX Hide Right			119	autoFX Speed 8	126	autoFX Speed 36						
118	autoFX Rnd Speed 6	93	autoFX Reveal Left			120	autoFX Speed 9	127	autoFX Speed 48						
119	autoFX Rnd Speed 8	94	autoFX Reveal Right												
120	autoFX Rnd Speed 9	95	autoFX Shift Up †												
121	autoFX Rnd Speed 12	96	autoFX Shift Down †												
122	autoFX Rnd Speed 16	97	autoFX Push Up †												
123	autoFX Rnd Speed 18	98	autoFX Push Down †												
124	autoFX Rnd Speed 24	113	autoFX DME Stop												
125	autoFX Rnd Speed 32	114	autoFX DME Speeds (1 thru 48) * default speed 4												
126	autoFX Rnd Speed 36														
127	autoFX Rnd Speed 48														
<p><i>Random Pop Fades use the same random algorithms but "pop" on instantly, then immediately fade out at current fade rates.</i></p>		<p>† These programs should only be accessed using MIDI Channel 16 only (All) since they pass data between frames.</p>		<p>Banks 27-28 - Snapshots Bank 27 = Recalls Snapshot Bank 28 = Loads Snapshot to Blind Page</p> <p>Pgm Description 0-127 Recall Snapshots 0-127</p> <p style="text-align: center;"><i>3 Banks Available</i></p>		<p>Bank 29 - Fade Pages</p> <p>Pgm Description 0-127 Recall Fade Pages 0-127</p>		<p>Bank 30 - Aux Pages</p> <p>Pgm Description 0-127 Recall Aux Pages 0-127</p>		<p>Banks 31-36 - Color Pages Bank 31 = Red Bank 34 = Green Bank 32 = White Bank 35 = Amber Bank 33 = Blue Bank 36 = Purple</p> <p>Pgm Description 0-127 Recall Color Pages 0-127</p> <p style="text-align: center;"><i>16 Banks Available</i></p>		<p>Banks 41-46 - Super Pages Bank 41 = Red Bank 44 = Green Bank 42 = White Bank 45 = Amber Bank 43 = Blue Bank 46 = Purple</p> <p>Pgm Description 0-127 Recall Color Pages 0-127</p> <p style="text-align: center;"><i>3 Banks Available</i></p>		<p>MidiLite Systems by Castle Studios Productions 1018 Greenbrook Ct. Forest, VA 24551 Tel/Fax: (434) 525-6894 e-mail: info@midilite.com web site: http://www.midilite.com</p>	
<p>* denotes factory default value</p>															