

Nexus Lights

DMX Channel Details (1/7)



Channel: Intensity

Intensity	DMX Value	Slot Style	Note
Intensity coarse	0 – 255	fade	Intensity 0 – 100% Dimming Curve: Quadratic

Channel: RGB

RGB	DMX Value	Slot Style	Note
RGB coarse	0 – 255	fade	Intensity 0 – 100% Dimming Curve: Quadratic

Control Emitter	x	y	Y
Red	0.697671	0.300260	28
Green	0.143006	0.682034	68.5
Blue	0.150831	0.030372	3.5

Channel: Shutter (1/2), DMX Values 0 – 159

Shutter	DMX	Slot Style	Note
Closed	0 – 4	snap	blackout
Single Flash	5 – 9	fade	One Single Flash if Value Change within this range: (005 – 009)
Pulse (slow – fast)	10 – 39	fade	Synchronized Pulse (Ramp-Up/Down) Effect. Speed adjustable from slow to fast within this range: (010 – 039) 10: 0.005 Hz 24: 0.027 Hz 39: 1.852 Hz
Pulse Open (slow – fast)	40 – 69	fade	Synchronized Pulse Open (Ramp-Up) Effect. Speed adjustable from slow to fast within this range: (040 – 069) 40: 0.005 Hz 54: 0.027 Hz 69: 1.852 Hz
Pulse Close (slow – fast)	70 – 99	fade	Synchronized Pulse Open (Ramp-Up) Effect. Speed adjustable from slow to fast within this range (070 – 099) 70: 0.005 Hz 84: 0.027 Hz 99: 1.852 Hz
Double-Flash (slow – fast)	100 – 129	fade	Synchronized Double Flash, slow to fast (same as KNV). Speed adjustable from slow to fast within this range: (100 – 129) 100: 0.049 Hz 114: 0.342 Hz 129: 2.273 Hz
Strobe Rnd Pixel (slow – fast)	130 – 159	fade	Random Strobe on Random Pixels, slow to fast. Speed adjustable from slow to fast within this range: (130 – 159) 130: 0.05 Hz 144: 0.397 Hz 159: 25.0 Hz

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DMX Channel Details (2/7)



Channel: Shutter (2/2), DMX Values 160 – 255

Shutter	DMX Value	Slot Style	Note
Strobe Rnd all (slow – fast)	160 – 199	fade	Random Strobe on all Pixels, slow to fast. Speed adjustable from slow to fast within this range: (160 – 199) 160: 0.047Hz 179: 0.385Hz 199: 25.0 Hz
Strobe Sync all Pixel (slow – fast)	200 – 250	fade	Synchronized Strobe, slow 1 Hz to fast. Speed adjustable from slow to fast within this range: (200 – 250) 200: 0.08 Hz 225: 0.51 Hz 250: 25.0 Hz
Open	251 – 255	snap	Continuously on

Channel: Color Temperature Control

CTC	DMX Value	Slot Style	Note
Open	0 – 8	snap	Selected White Point
10,000 K	10 – 11	fade	Fade through Color Temperatures of 1,000 K to 1,800 K stepless (interpolation) 8,000 K: 70 6,500 K: 115 5,600 K: 141 4,000 K: 189 3,500 K: 204 3,200 K: 213 3,000 K: 218 2,700 K: 227 2,300 K: 239
9,999 – 1,801 K	12 – 254		
1,800 K	255		

Channel: CQC – Color Quality Control

CQC	DMX Value	Slot Style
High Brightness to High Color Rendering	0 – 255	snap

Channel: Magenta/Green-Shift

Magenta/Green-Shift	DMX Value	Slot Style	Note
Off – (no correction)	0 – 9	snap	neutral / no effect
full plus Magenta +100% (-0.025 Duv)	10	fade	
plus Magenta +99% – +1%	11 – 124		
neutral / no effect	125 – 140	snap	neutral / no effect
plus Green +99% – +1%	141 – 254	fade	
full plus Green +100% (-0.025 Duv)	255		

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DMX Channel Details (3/7)



Channel: FX Time Multiplier

FX Time Multiplier	DMX Value	Slot Style
0.2x	0 – 49	fade
6x	50 – 79	
22x	80 – 109	
55x	110 – 129	
110x	130 – 149	
220x	150 – 169	
500x	170 – 251	
4600x	252 – 253	
Infinity (Static)	254 – 255	

Channel: FX Group

FX Group	DMX Value	Slot Style
Group	0 – 31	snap
Group 1	32 – 63	
Group 2	64 – 95	
Group 3	96 – 127	
Group 4	128 – 159	
Group 5	160 – 191	
Group 6	192 – 223	
Group 7	224 – 255	

Channel: FX Pixel Effect Type (1/2), DMX Values 0 – 95

FX Pixel Effect Type	DMX Value
None	0 – 3
Pixel Fixture Effect Circle	4 – 7
Pixel Fixture Effect Div Horizontal	8 – 11
Pixel Fixture Effect Div Vertical	12 – 15
Pixel Fixture Effect Walk Horizontal	16 – 19
Pixel Fixture Effect Walk Vertical	20 – 23
Pixel Fixture Effect Split Walk Horizontal	24 – 27
Pixel Fixture Effect Split Walk Vertical	28 – 31
Pixel Fixture Effect Arrow Horizontal	32 – 35
Pixel Fixture Effect Arrow Vertical	36 – 39
Pixel Fixture Effect Arrow 45 Deg	40 – 43
Pixel Fixture Effect Arrow 135 Deg	44 – 47

FX Pixel Effect Type	DMX Value
Pixel Fixture Effect Quadrat Out	48 – 51
Pixel Fixture Effect Circle Out	52 – 55
Pixel Fixture Effect Star	56 – 59
Pixel Fixture Effect Snake Vertical	60 – 63
Pixel Fixture Effect Snake Horizontal	64 – 67
Pixel Fixture Effect Rain	68 – 71
Pixel Fixture Effect Stripes	72 – 75
Pixel Fixture Effect Chess	76 – 79
Reserved	80 – 83
None	84 – 87
Segment Group Effect Circle	88 – 91
Segment Group Effect Div Horizontal	92 – 95

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Channel: FX Pixel Effect Type (2/2), DMX Values 96 – 255

FX Pixel Effect Type	DMX Value
Segment Group Effect Div Vertical	96 – 99
Segment Group Effect Walk Horizontal	100 – 103
Segment Group Effect Walk Vertical	104 – 107
Segment Group Effect Split Walk Horizontal	108 – 111
Segment Group Effect Split Walk Vertical	112 – 115
Segment Group Effect Arrow Horizontal	116 – 119
Segment Group Effect Arrow Vertical	120 – 123
Segment Group Effect Arrow 45 Deg	124 – 127
Segment Group Effect Arrow 135 Deg	128 – 131
Segment Group Effect Quadrat Out	132 – 135
Segment Group Effect Circle Out	136 – 139
Segment Group Effect Star	140 – 143
Segment Group Effect Snake Vertical	144 – 147
Segment Group Effect SnakeH orizontal	148 – 151
Segment Group Effect Rain	152 – 155
Segment Group Effect Stripes	156 – 159
Segment Group Effect Chess	160 – 163
Reserved	164 – 167
None	168 – 171
Pixel Group Effect Circle	172 – 175

FX Pixel Effect Type	DMX Value
Pixel Group Effect Div Horizontal	176 – 179
Pixel Group Effect Div Vertical	180 – 183
Pixel Group Effect Walk Horizontal	184 – 187
Pixel Group Effect Walk Vertical	188 – 191
Pixel Group Effect Split Walk Horizontal	192 – 195
Pixel Group Effect Split Walk Vertical	196 – 199
Pixel Group Effect Arrow Horizontal	200 – 203
Pixel Group Effect Arrow Vertical	204 – 207
Pixel Group Effect Arrow 45 Deg	208 – 211
Pixel Group Effect Arrow 135 Deg	212 – 215
Pixel Group Effect Quadrat Out	216 – 219
Pixel Group Effect Circle Out	220 – 223
Pixel Group Effect Star	224 – 227
Pixel Group Effect Snake Vertical	228 – 231
Pixel Group Effect Snake Horizontal	232 – 235
Pixel Group Effect Rain	236 – 239
Pixel Group Effect Stripes	240 – 243
Pixel Group Effect Chess	244 – 247
Reserved	248 – 255

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DMX Channel Details (5/7)



Channel: FX Pixel Effect Variation

FX Pixel Effect Variation	DMX Value	Slot Style
Variation 0	0 – 36	snap
Variation 1	37 – 73	
Variation 2	74 – 110	
Variation 3	111 – 147	
Variation 4	148 – 184	
Variation 5	185 – 221	
Variation 6	222 – 255	

Channel: FX StayTime/ FX FadeTime

FX StayTime / FX FadeTime	DMX Value	Slot Style
0 ms	0 – 15	snap
20 ms	16 – 31	
40 ms	32 – 47	
60 ms	48 – 63	
80 ms	64 – 79	
100 ms	80 – 111	
120 ms	112 – 127	
140 ms	128 – 143	
160 ms	144 – 159	
180 ms	160 – 175	
200 ms	176 – 191	
220 ms	192 – 207	
240 ms	208 – 223	
260 ms	224 – 239	
280 ms	240 – 255	

Channel: FX Pixel Effect Size

FX Pixel Effect Size	DMX Value	Slot Style
Size 100%	0	snap
Size 10%	1 – 7	
Size 20%	8 – 15	
Size 30%	16 – 23	
(...)	(...)	
Size 100%	72 – 215	
(...)	(...)	
Size 200%	152 – 159	
(...)	(...)	
Size 300%	232 – 239	
Size 310%	240 – 255	

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DMX Channel Details (6/7)



Channel: Pattern Select

Pattern Select	DMX Value	Slot Style
None	0 – 7	snap
Outer Ring	8 – 15	
Spiral	16 – 23	
Walk Horizontal	24 – 31	
Walk Vertical	32 – 39	
Walk	40 – 47	
Ring In Out	48 – 55	
Div Horizontal	56 – 63	
Div Vertical	64 – 71	
Div	72 – 79	
Propeller	80 – 87	
Clock	88 – 95	
Ring Alternate	96 – 103	
Reserved	104 – 255	

Channel: Pattern Mode

Pattern Mode	DMX Value	Slot Style
Single - No Fade	0 – 15	snap
Single - Fade 1x	16 – 31	
Single - Fade 2x	32 – 47	
Single - Fade 3x	48 – 63	
Single Additive - No Fade	64 – 79	
Single Additive - Fade 1x	80 – 95	
Single Additive - Fade 2x	96 – 111	
Single Additive - Fade 3x	112 – 127	
Mirror - No Fade	128 – 143	
Mirror - Fade 1x	144 – 159	
Mirror - Fade 2x	160 – 175	
Mirror - Fade 3x	176 – 191	
Mirror Additive - No Fade	192 – 207	
Mirror Additive - Fade 1x	208 – 223	
Mirror Additive - Fade 2x	224 – 239	
Mirror Additive - Fade 3x	240 – 255	

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DMX Channel Details (7/7)



Channel: Pattern Step Size

Pattern Step Size	DMX Value	Slot Style
12%	0 – 15	snap
19%	16 – 31	
25%	32 – 47	
31%	48 – 63	
38%	64 – 79	
44%	80 – 111	
50%	112 – 127	
56%	128 – 143	
62%	144 – 159	
69%	160 – 175	
75%	176 – 191	
81%	192 – 207	
87%	208 – 223	
94%	224 – 239	
100%	240 – 255	

Channel: Pattern Index / Speed

Pattern Index / Speed	DMX Value	Slot Style
Index 0% – 100%	0 – 127	fade
Single - Fade 1x	16 – 31	
Speed slow to fast 128: Static 170: Pattern Duration 150 s 180: Pattern Duration 66 s 200: Pattern Duration 16.5 s 230: Pattern Duration 1.8 s 255: Pattern Duration 60 ms	128 – 255	