

DMX Channel Index

impression S350














Covers fixture software v. 24-40-28-27




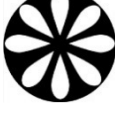




Impression S350 DMX channel index (Normal Mode)

Channel	Function	Description	DMX range	Default DMX	% Range	Fade
1	Pan coarse	Left – right in 1.2° increments (16 bit)	0 – 65535	32767	0 – 100%	Fade
2	Pan fine					
3	Tilt coarse	Up – down in 1.2° increments (16 bit)	0 – 65535	32767	0 – 100%	Fade
4	Tilt fine					
5	Color wheel	Open – White 6000 K	0 – 3	0	0 – 1.2%	Snap
		Color 01 – Congo blue (UV)	4 – 7		1.6 – 2.7%	Snap
		Color 02 – Green	8 – 11		3.1 – 4.3%	Snap
		Color 03 – Orange	12 – 15		4.7 – 5.9%	Snap
		Color 04 – Magenta	16 – 19		6.3 – 7.5%	Snap
		Color 05 – Blue	20 – 23		7.8 – 9.0%	Snap
		Color 06 – CTC 1	24 – 27		9.4 – 10.6%	Snap
		Color 07 – CTC 2	28 – 31		11.0 – 12.2%	Snap
		Color 08 – CTC 3	32 – 35		12.5 – 13.7%	Snap
		Color 09 – Minus green	36 – 39		14.1 – 15.3%	Snap
Color 10 – Red	40 – 43	15.7 – 16.9%	Snap			
	Color wheel indexing 0 – 360° (continuous color changing)	44 – 167	17.3 – 65.5%	Fade		
	Color wheel rotation CW fast – slow	168 – 211	65.9 – 82.7%	Fade		
	Color wheel rotation stop	212	83.1%	Snap		
	Color wheel rotation CCW slow – fast	213 – 255	83.5 – 100%	Fade		
6	Cyan	Cyan 0 – 100%	0 – 255	0	0 – 100%	Fade
7	Magenta	Magenta 0 – 100%	0 – 255	0	0 – 100%	Fade
8	Yellow	Yellow 0 – 100%	0 – 255	0	0 – 100%	Fade
9	CTC	Off (default: 6000 K)	0 – 31	0	0 – 12.2%	Snap Fade
		8000 K	32 – 35		12.5 – 13.7%	
		7900 K	36 – 39		14.1 – 15.3%	
		7800 K	40 – 43		15.7 – 16.9%	
		7700 K	44 – 47		17.3 – 18.4%	
		7600 K	48 – 51		18.8 – 20.0%	
		7500 K	52 – 55		20.4 – 21.6%	
		7400 K	56 – 59		22.0 – 23.1%	
		7300 K	60 – 63		23.5 – 24.7%	
		7200 K	64 – 67		25.1 – 26.3%	
		7100 K	68 – 71		26.7 – 27.8%	
		7000 K	72 – 75		28.2 – 29.4%	
		6900 K	76 – 79		29.8 – 31.0%	
		6800 K	80 – 83		31.4 – 32.5%	
		6700 K	84 – 87		32.9 – 34.1%	
		6600 K	88 – 91		34.5 – 35.7%	
		6500 K	92 – 95		36.1 – 37.3%	
		6400 K	96 – 99		37.6 – 38.8%	
		6300 K	100 – 103		39.2 – 40.4%	
		6200 K	104 – 107		40.8 – 42.0%	
6100 K	108 – 111	42.4 – 43.5%				
6000 K	112 – 115	43.9 – 45.1%				
5900 K	116 – 119	45.5 – 46.7%				

9 continued		5800 K	120 – 123		47.1 – 48.2%	Fade	
		5700 K	124 – 127		48.6 – 49.8%		
		5600 K	128 – 131		50.2 – 51.4%		
		5500 K	132 – 135		51.8 – 52.9%		
		5400 K	136 – 139		53.3 – 54.5%		
		5300 K	140 – 143		54.9 – 56.1%		
		5200 K	144 – 147		56.5 – 57.6%		
		5100 K	148 – 151		58.0 – 59.2%		
		5000 K	152 – 155		59.6 – 60.8%		
		4900 K	156 – 159		61.2 – 62.4%		
		4800 K	160 – 163		62.7 – 63.9%		
		4700 K	164 – 167		64.3 – 65.5%		
		4600 K	168 – 171		65.9 – 67.1%		
		4500 K	172 – 175		67.5 – 68.6%		
		4400 K	176 – 179		69.0 – 70.2%		
		4300 K	180 – 183		70.6 – 71.8%		
		4200 K	184 – 187		72.2 – 73.3%		
		4100 K	188 – 191		73.7 – 74.9%		
		4000 K	192 – 195		75.3 – 76.5%		
		3900 K	196 – 199		76.9 – 78.0%		
		3800 K	200 – 203		78.4 – 79.6%		
		3700 K	204 – 207		80.0 – 81.2%		
		3600 K	208 – 211		81.6 – 82.7%		
		3500 K	212 – 215		83.1 – 84.3%		
		3400 K	216 – 219		84.7 – 85.9%		
		3300 K	220 – 223		86.3 – 87.5%		
		3200 K	224 – 227		87.8 – 89.0%		
	3100 K	228 – 231		89.4 – 90.6%			
	3000 K	232 – 235		91.0 – 92.2%			
	2900 K	236 – 239		92.5 – 93.7%			
	2800 K	240 – 243		94.1 – 95.3%			
	2700 K	244 – 247		95.7 – 96.9%			
	2600 K	248 – 251		97.3 – 98.4%			
	2500 K	252 – 255		98.8 – 100%			
10	Gobo wheel 1 gobo selection	Open	0 – 15	0	0 – 5.9%	Snap	
		Gobo 01	16 – 31		6.3 – 12.2%		
							
		Gobo 02	32 – 47		12.5 – 18.4%		
							
		Gobo 03	48 – 63		18.8 – 24.7%		
							

10 continued		Gobo 04 	64 – 79		25.1 – 31%	Snap
		Gobo 05 	80 – 95		31.4 – 37.3%	
		Gobo 06 	96 – 111		37.6 – 43.5%	
		Gobo 07 	112 – 127		43.9 – 49.8%	
		Gobo wheel rotation stop	128		50.2%	
		Gobo wheel rotation CW fast – slow	129 – 191		50.6 – 74.9%	Fade
		Gobo wheel rotation stop	192		75.3%	Snap
		Gobo wheel rotation CCW slow – fast	193 – 255		75.7 – 100%	Fade
11	Gobo wheel 1 index & rotation	Gobo index 0 – 360°	0 – 32767	0	0 – 50.0%	Fade
12		Gobo rotation CW fast – slow	32768 – 49151		50.0 – 74.9%	Fade
		Gobo rotation stop	49152		75%	Snap
	Gobo rotation CCW slow – fast	49153 – 65535		75.1 – 100%	Fade	
13	Gobo wheel 2 (fixed gobos) gobo selection	Open	0 – 7	0	0 – 2.7%	Snap
		Gobo 01 	8 – 15		3.1 – 5.9%	
		Gobo 02 	16 – 23		6.3 – 9.0%	
		Gobo 03 	24 – 31		9.4 – 12.2%	
		Gobo 04 	32 – 39		12.5 – 15.3%	

13 continued		Gobo 05 	40 – 47		15.7 – 18.4%	Snap	
		Gobo 06 	48 – 55		18.8 – 21.6%		
		Gobo 07 	56 – 63		22.0 – 24.7%		
		Gobo 08 	64 – 71		25.1 – 27.8%		
		Gobo 09 	72 – 79		28.2 – 31%		
		Gobo 10 	80 – 87		31.4 – 34.1%		
		No function	88 – 127		34.5 – 49.8%		Snap
		Gobo wheel rotation stop	128		50.2%		
		Gobo wheel rotation CW fast – slow	129 – 191		50.6 – 74.9%		Fade
		Gobo wheel rotation stop	192		75.3%		Snap
Gobo wheel rotation CCW slow – fast	193 – 255	75.7 – 100%	Fade				
14	Shutter	Closed	0 – 15	255	0 – 5.9%	Snap	
		Pulse, random, slow – fast	16 – 47		6.3 – 18.4%	Fade	
		Ramp-up, random, slow – fast	48 – 79		18.8 – 31%		
		Ramp-down, random, slow – fast	80 – 111		31.4 – 43.5%		
		Ramp-up-down, random, slow – fast	112 – 143		43.9 – 56.1%		
		Strobe with b/o pause 5 – 0.1 sec.	144 – 199		56.5 – 78.0%		
		Strobe 1 – 10 Hz	200 – 239		78.4 – 93.7%		
		Open	240 – 255		94.1 – 100%	Snap	

15	Dimmer coarse	Intensity 0 – 100%	0 – 65535	32768	0 – 100%	Fade
16	Dimmer fine					
17	Focus coarse	Near – far	0 – 65535	32768	0 – 100%	Fade
18	Focus fine					
19	Zoom	Wide – narrow	0 – 255	128	0 – 100%	Fade
20	Frost	No frost	0 – 3	0	0 – 1.2%	Snap
		Frost light 0 – 100%	4 – 127		1.6 – 49.8%	Fade
		Frost heavy 0 – 100%	128 – 255		50.2 – 100%	
21	Prism	No prism	0 – 7	0	0 – 2.7%	Snap
		Prism rotation CW fast - slow	8 – 130		3.1 – 51%	Fade
		Prism rotation stop	131		51.4%	Snap
		Prism rotation CCW slow – fast	132 – 255		51.8 – 100%	Fade
22	Effect wheel position	Effect wheel out – in – tilt 0 - 90°	0 – 255	0	0 – 100%	Fade
23	Effect wheel index/rotation	Effect wheel rotation stop	0	0	0%	Snap
		Effect wheel rotation CW fast – slow	1 – 127		0.4 – 49.8%	Fade
		Effect wheel rotation stop	128		50.2%	Snap
		Effect wheel rotation CCW slow – fast	129 – 255		50.6 – 100%	Fade
24	Framing module indexing	CW indexing from 0° to -45°	0 – 128	128	0 – 50.2%	Fade
		Center: 0°	128		50.2%	Snap
		CCW indexing from 0° to +45°	129 – 255		50.6 – 100%	Fade
25	Framing blade 1 position / left	PI mode: In – out	0 – 255	0	0 – 100%	Fade
		LR mode: Blade left side	0 – 255	0	0 – 100%	Fade
26	Framing blade 1 index / right	PI mode: Tilt -30° – +30°	0 – 255	128	0 – 100%	Fade
		LR mode: Blade right side	0 – 255	0	0 – 100%	Fade
27	Framing blade 2 position / left	PI mode: In – out	0 – 255	0	0 – 100%	Fade
		LR mode: Blade left side	0 – 255	0	0 – 100%	Fade
28	Framing blade 2 index / right	PI mode: Tilt -30° – +30°	0 – 255	128	0 – 100%	Fade
		LR mode: Blade right side	0 – 255	0	0 – 100%	Fade
29	Framing blade 3 position / left	PI mode: In – out	0 – 255	0	0 – 100%	Fade
		LR mode: Blade left side	0 – 255	0	0 – 100%	Fade
30	Framing blade 3 index / right	PI mode: Tilt -30° – +30°	0 – 255	128	0 – 100%	Fade
		LR mode: Blade right side	0 – 255	0	0 – 100%	Fade
31	Framing blade 4 position / left	PI mode: In – out	0 – 255	0	0 – 100%	Fade
		LR mode: Blade left side	0 – 255	0	0 – 100%	Fade
32	Framing blade 4 index / right	PI mode: Tilt -30° – +30°	0 – 255	128	0 – 100%	Fade
		LR mode: Blade right side	0 – 255	0	0 – 100%	Fade

<p>33</p>	<p>Special / Control</p>	<p>No function Dimmer curve extra soft* Dimmer curve linear* No function Display off* Display auto-off* Display on* Display orientation normal* Display orientation invert* No function No DMX = blackout* No DMX = hold* No DMX = stand-alone* No DMX = DMX shot* No function Fan regulated* Fan high* Fan medium* Fan low* No function Position feedback off* Position feedback on* Effect shortcuts off* Effect shortcuts on* Tilt invert off* Tilt invert on* Pan invert off* Pan invert on* Zoom invert off* Zoom invert on* Focus tracking off* Focus tracking near* Focus tracking medium* Focus tracking far* No function Framing Control = PI Mode, (position/Index)* Framing Control = LR Mode, (left/right)* No function PWM 2200 Hz ** PWM 3000 Hz ** PWM 4800 Hz ** PWM 9600 Hz ** No function PWM 25 kHz ** Set fixture to factory defaults** No function Reset pan/tilt * Reset head* Reset all*</p>	<p>0 – 38 39 – 41 42 – 44 45 – 53 54 – 56 57 – 59 60 – 62 63 – 65 66 – 68 69 – 71 72 – 74 75 – 77 78 – 80 81 – 83 84 – 86 87 – 89 90 – 92 93 – 95 96 – 98 99 – 104 105 – 107 108 – 110 111 – 113 114 – 116 117 – 119 120 – 122 123 – 125 126 – 128 129 – 131 132 – 134 141 – 143 144 – 146 147 – 149 150 – 152 153 – 158 159 – 161 162 – 164 165 – 191 192 – 194 195 – 197 198 – 200 201 – 203 204 – 206 207 – 209 240 – 242 243 – 245 246 – 248 249 – 251 252 – 255</p>	<p>0</p>	<p>0 – 14.9% 15.3 – 16.1% 16.5 – 17.3% 17.6 – 20.8% 21.2 – 22% 22.4 – 23.1% 23.5 – 24.3% 24.7 – 25.5% 25.9 – 26.7% 27.1 – 27.8% 28.2 – 29.0% 29.4 – 30.2% 30.6 – 31.4% 31.8 – 32.5% 32.9 – 33.7% 34.1 – 34.9% 35.3 – 36.1% 36.5 – 37.3% 37.6 – 38.4% 38.8 – 40.8% 41.2 – 42.0% 42.4 – 43.1% 43.5 – 44.3% 44.7 – 45.5% 45.9 – 46.7% 47.1 – 47.8% 48.2 – 49.0% 49.4 – 50.2% 50.6 – 51.4% 51.8 – 52.5% 55.3 – 56.1% 56.5 – 57.3% 57.6 – 58.4% 58.8 – 59.6% 60.0 – 62.0% 62.4 – 63.1% 63.5 – 64.3% 64.7 – 74.9% 75.3 – 76.1% 76.5 – 77.3% 77.6 – 78.4% 78.8 – 79.6% 80.0 – 80.8% 81.2 – 82.0% 94.1 – 94.9% 95.3 – 96.1% 96.5 – 97.3% 97.6 – 98.4% 98.8 – 100%</p>	<p>Snap</p>
<p>34</p>	<p>FX1 selection</p>	<p>No FX Chaser 1-2-3-4-3-2-1 Crossfade 1-2-3-4-3-2-1 Chaser 1+2 – 3+4 Crossfade 1+2 – 3+4 Chaser 1+4 – 2+3 Crossfade 1+4 – 2+3 Chaser random Crossfade random No function</p>	<p>0 – 10 11 – 14 15 – 18 19 – 22 23 – 26 27 – 30 31 – 34 35 – 38 39 – 42 43-255</p>	<p>0</p>	<p>0 – 3.9% 4.3 – 5.5% 5.9 – 7.1% 7.5 – 8.6% 9 – 10.2% 10.6 – 11.8% 12.2 – 13.3% 13.7 – 14.9% 15.3 – 16.5% 16.9 – 100%</p>	<p>Snap</p>

35	FX1 adjustment	FX1 speed slow – fast	0 – 255	0	0 – 100%	Fade
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* Move from zero and hold value for 3 seconds to apply

** Move from zero and hold value for 5 seconds to apply

Notes:

Percentage values are calculated by dividing DMX values by 2.56 and rounding to the nearest 0.1%.

To apply a command on Channel 33 (Settings), start at a value of zero, then move to the required value and hold it for the required time (e.g. 3 seconds). If you move to the required value from any other value than zero, the command will not be applied.

To adjust the PWM frequency using the Settings channel, start at a value of zero, move to the required value and hold it for at least 5 seconds.

Default settings are written in **bold type**.

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