

DMX Channel Index

impression S350







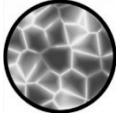






Covers firmware Version V24-31-21-22




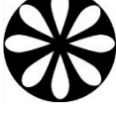




Impression S350 DMX channel index (Normal Mode)

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 presets (virtual color wheel)	Open – White 6000 K	0 – 3	0	0 – 1.2%	Snap
		Color 01 – Red	4 – 7		1.6 – 2.7%	Snap
		Color 02 – Congo blue	8 – 11		3.1 – 4.3%	Snap
		Color 03 – CTO 1	12 – 15		4.7 – 5.9%	Snap
		Color 04 – CTO 2	16 – 19		6.3 – 7.5%	Snap
		Color 05 – CTO 3	20 – 23		7.8 – 9.0%	Snap
		Color 06 – CTO 4	24 – 27		9.4 – 10.6%	Snap
		Color 07 – CTO 5	28 – 31		11.0 – 12.2%	Snap
		Color 08 – Magenta	32 – 35		12.5 – 13.7%	Snap
		Color 09 – Green	36 – 39		14.1 – 15.3%	Snap
Color 10 – Blue	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
		8000 K	32 – 35		12.5 – 13.7%	Fade
		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
		Gobo rotation CW fast – slow	32768 – 49151		50.0 – 74.9%	Fade
12		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

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

* 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**.

© 2017-2018 German Light Products GmbH. All rights reserved.

The marks 'GLP' and 'German Light Products' are trademarks registered as the property of German Light Products GmbH in Germany, in the United States of America and in other countries.

The information contained in this document is subject to change without notice. German Light Products GmbH and all affiliated companies disclaim liability for any injury, damage, direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this document.

German Light Products GmbH (GLP), Industriestrasse 2, 76307 Karlsbad, Germany

info@germanlightproducts.com

Tel (USA): +1.818.767.8899

www.germanlightproducts.com

Tel (Germany): +49 (7248) 927 1955

www.glp.de

