

DMX Channel Index

impression[&]
FR1



Revision C

Covers firmware version 1.13



Normal mode (16 DMX channels)

Channel	Function	Description	DMX range	Default DMX	% Range*	Fade
1	Pan coarse	Left – right in 1.2° increments (16 bit)	0 – 65535	32768	0 – 100%	Fade
2	Pan fine					
3	Tilt coarse	Up – down in 1.2° increments (16 bit)	0 – 65535	32768	0 – 100%	Fade
4	Tilt fine					
5	Color presets (virtual color wheel)	RGBW control	0 – 7	0	0 – 2.5%	Snap
		Color 01 - Red	8 – 15		3 – 5.5%	
		Color 02 - Amber	16 – 23		6 – 9%	
		Color 03 - Warm yellow	24 – 31		9.5 – 12%	
		Color 04 - Yellow	32 – 39		12.5 – 15%	
		Color 05 - Green	40 – 47		15.5 – 19.5%	
		Color 06 - Turquoise	48 – 55		20 – 21.5%	
		Color 07 - Cyan	56 – 63		22 – 24.5%	
		Color 08 - Blue	64 – 71		25 – 27.5%	
		Color 09 - Lavender	72 – 79		28 – 31%	
		Color 10 - Mauve	80 – 87		31.5 – 34%	
		Color 11 - Magenta	88 – 95		34.5 – 37%	
		Color 12 - Pink	96 – 103		37.5 – 40.5%	
		White – CTO	104 – 111		41 – 43.5%	
		White	112 – 119		44 – 46.5%	
		White – CTB	120 – 127		47 – 49.5%	
		Rainbow effect stop	128		50.2%	
		Rainbow effect active	129 – 223		50.5 – 87.5%	
		Random colors slow – fast	224 – 255		88 – 100%	
6	Red	Color mixing - Red	0 – 255	255	0 – 100%	Fade
7	Green	Color mixing - Green	0 – 255	255	0 – 100%	Fade
8	Blue	Color mixing - Blue	0 – 255	255	0 – 100%	Fade
9	White	Color mixing - White	0 – 255	0	0 – 100%	Fade
10	Shutter / strobe	Shutter closed	0 – 15	255	0 – 5.5%	Snap
		Shutter pulse random	16 – 47		6 – 18.5%	Fade
		Fade on, snap off (random patterns)	48 – 79		19 – 31.5%	Fade
		Snap on, fade off (random patterns)	80 – 111		32 – 43.5%	Fade
		Fade on, fade off (random patterns)	112 – 143		44 – 62.5%	Fade
		Strobe with blackout pause	144 – 199		63 – 77.5%	Fade
		Strobe effect slow - fast	200 – 239		78 – 94.5%	Fade
		Shutter open	240 – 255		95 – 100%	Snap
11	Dimmer coarse	Intensity 0 – 100%	0 – 65535	0	0 – 100%	Fade
12	Dimmer fine					
13	CTC	RGBW raw	0 – 15	0	0 – 5.9%	Snap
	CTC 10 000 K – 2500 K	8 – 255	1 – 100%		Fade	

14	Settings (see notes at end of this table)	Idle	0 – 11	0	0 – 4.3%	Snap
		No function	12 – 38		4.7 – 14.9%	
		Dimmer curve = Extra soft*	39 – 41		15.3 – 16.1%	
		Dimmer curve = Linear*	42 – 44		16.5 – 17.3%	
		Dimmer curve = Soft*	45 – 47		17.6 – 18.4%	
		No function	48 – 56		18.8 – 22%	
		Display auto-off*	57 – 59		22.4 – 23.1%	
		Display permanently on*	60 – 62		23.5 – 24.3%	
		Display invert off*	63 – 65		24.7 – 25.5%	
		Display invert on*	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 current effect*	75 – 77		29.4 – 30.2%	
		No function	78 – 86		30.6 – 33.7%	
		Fans temperature-regulated*	87 – 89		34.1 – 34.9%	
		Fans constant high*	90 – 92		35.3 – 36.1%	
		Fans constant medium*	93 – 95		36.5 – 37.3%	
		Fans constant low*	96 – 98		37.6 – 38.4%	
		No function	99 – 104		38.8 – 40.8%	
		P/T position feedback off*	105 – 107		41.2 – 42%	
		P/T 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%	
		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%	
		No function	135 – 149		52.9 – 58.4%	
		PWM frequency:				
		582 Hz**	150		58.8%	
		583 Hz**	151		59.2%	
		584 Hz**	152		59.6%	
		585 Hz**	153		60%	
		586 Hz**	154		60.4%	
		587 Hz**	155		60.8%	
		588 Hz**	156		61.2%	
		589 Hz**	157		61.6%	
		590 Hz**	158		62%	
		591 Hz**	159		62.4%	
		592 Hz**	160		62.7%	
		593 Hz**	161		63.1%	
		594 Hz**	162		63.5%	
		595 Hz**	163		63.9%	
		596 Hz**	164		64.3%	
		597 Hz**	165		64.7%	
		598 Hz**	166		65.1%	
		599 Hz**	167		65.5%	
		600 Hz**	168		65.9%	
		601 Hz**	169		66.3%	
		602 Hz**	170		66.7%	
		603 Hz**	171		67.1%	
		604 Hz**	172		67.5%	
		605 Hz**	173		67.8%	
		606 Hz**	174		68.2%	
		607 Hz**	175		68.6%	
		608 Hz**	176		69.0%	
		609 Hz**	177		69.4%	
		610 Hz**	178		69.8%	
		611 Hz**	179		70.2%	
		612 Hz**	180		70.6%	

14 continued		613 Hz**	181		71.0%	
		614 Hz**	182		71.4%	
		615 Hz**	183		71.8%	
		616 Hz**	184		72.2%	
		617 Hz**	185		72.5%	
		618 Hz**	186		72.9%	
		No function	187 – 191		73.3 – 74.9%	
		1200 Hz**	192 – 194		75.3 – 76.1%	
		2400 Hz**	195 – 197		76.5 – 77.3%	
		4800 Hz**	198 – 200		77.6 – 78.4%	
		9600 Hz**	201 – 203		78.8 – 79.6%	
		No function	204 – 251		80 – 98.4%	
		Reset entire fixture*	252 – 255		98.8 – 100%	
15	Zoom	Flood wide – narrow	0 – 255	0	0 – 100%	Fade
16	Endless pan rotation	Stop	0	0	0%	Snap
		Pan rotation CW fast – slow	1 – 127		0.5 – 49.5%	Fade
		Stop	128		50.2%	Snap
		Pan rotation CCW slow – fast	129 – 254		50.5 – 99.5%	Fade
		Stop	255		100%	Snap

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 14 (Settings), start at a value of zero, then move to the required value and hold it for at least 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.

© 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

