

DMX Channel Index

VOLKS|LICHT
SPOT



from software version x.xx
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— since 1994 —

e-mail: service@glp.de
Internet: <http://www.glp.de>

DMX Channel Selection (DMX Protocol)

Channel	Function	Time and Value	DMX	HEX	%	
1) PAN-coarse	0 .. 660°		0..255	00..FF	0..100	
2) PAN-fine	High- Pos ... High- Pos + 2,6° (16 Bit)		0..255	00..FF	0..100	
3) Tilt-coarse	0 .. 300°		0..255	00..FF	0..100	
4) Tilt-fine	High- Pos ... High- Pos + 1,2° (16 Bit)		0..255	00..FF	0..100	
5) Color (fixed)	Colors adjustable via RGB		0..7	00..07	0..2,5	
	Color 01 - Red ¹⁾		8..15	08..0F	3..5,5	
	Color 02 - Amber ¹⁾		16..23	10..17	6..8,5	
	Color 03 - Warm Yellow ¹⁾		24..31	18..1F	9..12,5	
	Color 04 - Yellow ¹⁾		32..39	20..27	13..15,5	
	Color 05 - Green ¹⁾		40..47	28..2F	16..18,5	
	Color 06 - Turquoise ¹⁾		48..55	30..37	19..21,5	
	Color 07 - Cyan ¹⁾		56..63	38..3F	22..24,5	
	Color 08 - Blue ¹⁾		64..71	40..47	25..27,5	
	Color 09 - Lavender ¹⁾		72..79	48..4F	28..30,5	
	Color 10 - Mauve ¹⁾		80..87	50..57	31..34,5	
	Color 11 - Magenta ¹⁾		88..95	58..5F	35..37,5	
	Color 12 - Pink ¹⁾		96..103	60..67	38..40,5	
	White – CTO		104..111	68..6F	41..43,5	
	White		112..119	70..77	44..46,5	
	White – CTB		120..127	78..7F	47..49,5	
	Rainbow Effect Stop ²⁾			128	80	50
Rainbow Effect ³⁾	slow - fast		129..223	81..DF	51..88	
Rainbow Effect, random colors	slow - fast		224..255	E0..FF	89..100	
6) Red	Color mixing system - Red	0 - 100%	0..255	00..FF	0..100	
7) Green	Color mixing system - Green	0 - 100%	0..255	00..FF	0..100	
8) Blue	Color mixing system - Blue	0 - 100%	0..255	00..FF	0..100	
9) Shutter	Shutter closed		0..15	00..0F	0..5,5	
	Random Pulse effect ⁴⁾	slow - fast	16..47	10..2F	6..18,5	
	Up-dimming then Shutter closing (random patterns) ⁴⁾	slow - fast	48..79	30..4F	19..31	
	Shutter open then down-dimming (random patterns) ⁴⁾	slow - fast	80..111	50..6F	32..43	
	Up-dimming then down-dimming (random patterns) ⁴⁾	slow - fast	112..143	70..8F	44..56	
	Strobe effect pause	5s .. 1s		144..199	A0..C7	57..77
	Strobe effect, slow - fast	1 Hz .. 10 Hz		200..239	C8..EF	78..94
	Shutter open			240..255	F0..FF	94..100
10) Dimmer	Dimmer	0 - 100%	0..255	0..FF	0..100	
11) Color temp.	Continuous color temperature		0..255	0..FF	0..100	
12) Gobo 1 (indexed)	Open		0..15	00..0F	0..5,9	
	Gobo 1		16..31	10..1F	6..11,9	
	Gobo 2		32..47	20..2F	12..17,9	
	Gobo 3		48..63	30..3F	19..24,5	
	Gobo 4		64..79	40..4F	25..30,5	
	Gobo 5		80..95	50..5F	31..37,5	

Channel	Function	Time and Value	DMX	HEX	%	
	Gobo 6		96..111	60..6F	38..43.5	
	Gobo 7		112..126	70..82	44..48	
	Gobo Wheel Rotation Stop		127	7F	49	
	Gobo Wheel Rotation slow-fast, CW		128..192	80..C0	50..76	
	Gobo Wheel Rotation slow-fast, CCW		193..255	C1..FF	77..100%	
13) Gobo 1 Posi./Rot.	Gobo Position 0..540°		0..127	00..7F	0..49	
	Gobo Rotation STOP		128..129	80..81	50	
	Gobo Rotation, slow-fast, CW		130..192	82..C0	51..75	
	Gobo Rotation, slow-fast, CCW		193..253	C1..FD	76..99	
	Gobo Rotation STOP		254..255	FD..FF	99..100	
14) Gobo 2 (fixed)	Open					
	Gobo 1					
	Gobo 2					
	Gobo 3					
	Gobo 4					
	Gobo 5					
	Gobo 6					
	Gobo 7					
	Gobo 8					
	Gobo 9					
	Gobo Wheel Rotation Stop					
	Gobo Wheel Rotation slow-fast, CW					
	Gobo Wheel Rotation slow-fast, CCW					
15) Focus	Continuous Focus	infinity – near	0 .. 255	0..FF	0..100	
16) Prism	Prism out		0.5	00..05	0..2	
	Prism position		6..127	06..7F	0..50	
	Prism rotation stop		128..129	80..81	50,1	
	Prism rotation		130..253	82..FD	51..99	
	Prism by audio	slow	254	FE	99.5	
	Prism by audio	fast	255	FF	100	
17) Iris	Iris, variable	open - close		00..7F		
	Iris opening with random shutter			80..8F		
	Iris closing with random shutter			90..9F		
	Iris opening with audio shutter			A0..AF		
	Iris closing with audio shutter			B0..BF		
	Iris opening with shutter	slow - fast		C0..CF		
	Iris closing with shutter	slow - fast		D0..DF		
	Iris pulsing	slow - fast		E0..ED		
	Iris opening - closing	slow - fast		F0..FD		
	Iris open			FE..FF		
18) Special	RESET		250..255	FA..FF	98..100	
19) Movement	No movement		0	0	0	
	Movement	Size	Phase			
	PAN	1	0°	01..01	01..01	0,5
		1	90°	02..03	02..03	1,0
		1	180°	04..05	04..05	1,7
		1	270°	06..07	06..07	2,5
	PAN	2	0°	08..09	08..09	3,3
		2	90°	10..11	0A..0B	4,1
		2	180°	12..13	0C..0D	4,9

Channel	Function		Time and Value	DMX	HEX	%
		2	270°	14..15	0E..0F	5,7
	PAN	3	0°	16..17	11..11	6,5
		3	90°	18..19	12..13	7,3
		3	180°	20..21	14..15	8,0
		3	270°	22..23	16..17	8,8
	PAN	4	0°	24..25	18..19	9,6
		4	90°	26..27	1A..1B	10,4
		4	180°	28..29	1C..1D	11,2
		4	270°	30..31	1E..1F	12
	TILT	size / phase see also PAN		32..63	20..3F	13..25
	PAN / TILT	size / phase see also PAN		64..95	40..5F	26..37
	PAN / TILT (inverse)	size / phase see also PAN		96..127	60..7F	38..50
	Circle	size / phase see also PAN		128..159	80..9F	51..62
	Circle (inverse)	size / phase see also PAN		160..191	A0..BF	63..75
	Lying eight	size / phase see also PAN		192..223	C0..DF	76..87
Random movement	size see also PAN		224..255	E0..FF	88..100	
20) Speed	Pan/Tilt relative movement			0..01	00..01	0..1
Pan/Tilt	Pan/Tilt slow – fast Use this channel also for the SPEED of the movements			02..255	02..FF	1.5..100

