

DMX Channel Index



White/Amber



impression

from software version 1.30/30
(Instruction version 1.4)



**GERMAN LIGHT
PRODUCTS**

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1 DMX Channel Selection (DMX Protocol)

Normal- Mode 10 DMX channels

Channel	Function			Time and Value	DMX	HEX	%
1) PAN-coarse	0 .. 660°			min. 3,2 s	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°			min. 1,5 s	0..255	00..FF	0..100
4) Tilt-fine	High- Pos ... High- Pos + 1,2° (16 Bit)				0..255	00..FF	0..100
5) White	Color mixing for White			0 - 100%	0..255	00..FF	0..100
6) Amber	Color mixing for Amber			0 - 100%	0..255	00..FF	0..100
7) Shutter	Shutter closed				0..15	00..0F	0..5,5
	Random Pulse effect			slow - fast	16..47	10..2F	6..18,5
	Up-dimming then Shutter closing (random patterns)			slow - fast	48..79	30..4F	19..31,5
	Shutter open then down-dimming (random patterns)			slow - fast	80..111	50..6F	32..43
	Up-dimming then down-dimming (random patterns)			slow - fast	112..143	70..8F	44..56
	Strobe effect pause			5s to 1s	144..199	A0..C7	57..77
	Strobe effect, slow - fast			1 Hz .. 10 Hz	200..239	C8..EF	78..94
	Shutter open				240..249	F0..F9	95..97
	RESET			min. 3 Sec.	250	FA	98
	Shutter open				251..255	FB..FF	99..100
8) Dimmer	Dimmer (0% - 100%)				0..255	0..FF	0..100
9) 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
		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

Channel	Function	Time and Value	DMX	HEX	%
10) Speed Pan/Tilt	Pan/Tilt relative movement		0..1	00..01	0..0,5
	Pan/Tilt slow – fast Use this channel also for the speed of the movements (channel 9).	Pan Min. 660° = 200s Pan Max. 660° = 2,65s Tilt Min. 300° = 110s Tilt Max. 300° = 1,8s	2..255	02..FF	1..100

Compressed- Mode 8 DMX channels

Channel	Function	Time and Value	DMX	HEX	%
1) PAN-coarse	0 .. 660°	min. 3,2 s	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°	min. 1,5 s	0..255	00..FF	0..100
4) Tilt-fine	High- Pos ... High- Pos + 1,2° (16 Bit)		0..255	00..FF	0..100
5) White	Color mixing for White	0 - 100%	0..255	00..FF	0..100
6) Amber	Color mixing for Amber	0 - 100%	0..255	00..FF	0..100
7) Shutter	Shutter closed		0..15	00..0F	0..5,5
	Random Pulse effect	slow - fast	16..47	10..2F	6..18,5
	Up-dimming then Shutter closing (random patterns)	slow - fast	48..79	30..4F	19..31,5
	Shutter open then down-dimming (random patterns)	slow - fast	80..111	50..6F	32..43
	Up-dimming then down-dimming (random patterns)	slow - fast	112..143	70..8F	44..56
	Strobe effect pause	5s to 1s	144..199	A0..C7	57..77
	Strobe effect, slow - fast	1 Hz .. 10 Hz	200..239	C8..EF	78..94
	Shutter open		240..249	F0..F9	95..97,5
	RESET	Min. 3 Sec.	250	FA	98
8) Dimmer	Shutter open		251..255	FB..FF	99..100
	Dimmer (0% - 100%)		0..255	0..FF	0..100

High Resolution (Extended)- Mode 11 DMX channels

Channel	Function	Time and Value	DMX	HEX	%
1) PAN-coarse	0 .. 660°	min. 3,2 s	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°	min. 1,5 s	0..255	00..FF	0..100
4) Tilt-fine	High- Pos ... High- Pos + 1,2° (16 Bit)		0..255	00..FF	0..100
5) White-coarse	Color mixing for White	0 - 100%	0..255	00..FF	0..100
6) White-fine	Color mixing for White-Low		0..255	00..FF	0..100
7) Amber-coarse	Color mixing for Amber	0 - 100%	0..255	00..FF	0..100
8) Amber-fine	Color mixing for Amber-Low		0..255	00..FF	0..100
9) Shutter	Shutter closed		0..15	00..0F	0..5,5
	Random Pulse effect	slow - fast	16..47	10..2F	6..18,5

Channel	Function	Time and Value	DMX	HEX	%
	Up-dimming then Shutter closing (random patterns)	slow - fast	48..79	30..4F	19..31,5
	Shutter open then down-dimming (random patterns)	slow - fast	80..111	50..6F	32..43
	Up-dimming then down-dimming (random patterns)	slow - fast	112..143	70..8F	44..56
	Strobe effect pause	5s to 1s	144..199	A0..C7	57..77
	Strobe effect, slow - fast	1 Hz .. 10 Hz	200..239	C8..EF	78..94
	Shutter open		240...249	F0..F9	95..97,5
	RESET	Min. 3 Sec.	250	FA	98
	Shutter open		251..255	FB..FF	99..100
10) Dimmer-coarse	Dimmer	0 - 100%	0..255	0..FF	0..100
11) Dimmer-fine	Dimmer-Low		0..255	0..FF	0..100

Locking and unlocking the Control Panel

Please lock and unlock the control panel by pressing the menu keys **MODE & ENTER & UP** at the same time.

Additional features during switching-ON the system

- a) 1200Hz Mode (Hold down the **UP- button** during power ON)

After switching ON the system the LEDs will be operated with a Pulse Width Modulation (PWM) of 1200Hz.

In addition all standard setting will be loaded (DMX start address [001], Normal Mode with 10 DMX channels).

- b) 600Hz Mode (Hold down the **DOWN- button** during power ON)

After switching ON the system the LEDs will be operated with a Pulse Width Modulation (PWM) of 600Hz.

In addition all standard setting will be loaded (DMX start address [001], Normal Mode with 10 DMX channels).

- c) Standard Mode (Hold down the **ENTER- button** during power ON)

After switching ON the system the DMX start address will be set to [001]. All other setting remain unchanged.

Additional Display Indication

As a default you'll find the following additional information in the first row of the LCD display:

XX/X/XX

- 06 = 600Hz / 12 = 1200Hz
- N = Normal Mode / C = Compressed Mode / H = High Res. Mode
- N = Tilt normal / I = Tilt inverted
- N = Pan normal / I = Pan inverted

