



# ***Patend Light***

*1200 HMI*

## ***DMX Channel Selection***

From Version 1.2



**GERMAN LIGHT  
PRODUCTS**

email: [service@glp.de](mailto:service@glp.de)

Internet: <http://www.GLP.de>

## Channel selection ( Overview table )

Channel	Description		DMX-Value	Hex-Value	Value %
<b>1) Head</b>	Headposition, High Byte (0°-360°)		0 - 255	0 - FF	0 – 100%
<b>2) Head</b>	Headposition, Low Byte (0°-1,41°)		0 - 255	0 - FF	0 – 100%
<b>3) Mirror</b>	Mirrorposition, High Byte (0°-360°)		0 - 255	0 - FF	0 – 100%
<b>4) Mirror</b>	Mirrorposition, Low Byte(0°-1,41°)		0 - 255	0 - FF	0 – 100%
<b>5) Speed Head</b>	Speed Head, 1/8min - 7/sec		0 - 255	0 - FF	0 – 100%
<b>6) Speed Mirror</b>	Speed Mirror, 1/4min - 3/sec		0 - 255	0 - FF	0 – 100%
<b>7) Special Function</b>	<b>Head</b>	<b>Mirror</b>			
	<b>Relative Movement</b>		0	0	0%
	Pos < 360°	Pos < 360°	1 - 19	1 - 13	1 – 7%
	Pos > 360°	Pos > 360°	20 - 29	14 - 1D	8 – 11%
	Pos < 360°	Pos > 360°	30 - 39	1E - 27	12 – 15%
	Pos > 360°	Pos < 360°	40 - 49	28 - 31	16 – 19%
	Rotation left	Pos < 360°	50 - 59	31 - 3B	20 – 23%
	Rotation left	Pos > 360°	60 - 69	3C - 45	24 – 27%
	Rotation right	Pos < 360°	70 - 79	46 - 4F	28 – 30%
	Rotation right	Pos > 360°	80 - 89	50 - 59	31 – 35%
	Pos < 360°	Rotation left	90 - 99	5A - 63	36 – 38%
	Pos > 360°	Rotation left	100 - 109	64 - 6D	39 – 42%
	Pos < 360°	Rotation right	110 - 119	6E - 77	43 – 46%
	Pos > 360°	Rotation right	120 - 129	78 - 81	47 – 50%
	Rotation left	Rotation left	130 - 139	82 - 8B	51 – 54%
	Rotation right	Rotation right	140 - 149	8C - 95	55 – 58%
	Rotation left	Rotation right	150 - 159	96 - 9F	59 – 62%
	Rotation right	Rotation left	160 - 254	A0 - FE	63 – 98%
	Reset without Shutter		254	FE	99%
	Reset for all Functions		255	FF	100%
<b>8) Color</b>	color 1 (white)		0 - 4	0 - 4	1%
	bi (white – green)		5 - 9	5 - 9	2 – 3%
	color 2 (green)		10 - 14	A - E	4 – 5%
	bi (green – red)		15 - 19	F - 13	6 – 7%
	color 3 (red)		20 - 24	14 - 18	8 – 9%
	bi (red – dark blue)		25 - 29	19 - 1D	10 – 11%
	color 4 (dark blue)		30 - 34	1E - 22	12 – 13%
	bi (dark blue – yellow)		35 - 39	23 - 27	14 – 15%
	color 5 (yellow)		40 - 44	28 - 2C	16 – 17%
	bi (yellow – pink)		45 - 49	2D - 31	18%
<b>8) Color</b>	color 6 (pink)		50 - 54	32 - 36	19 – 20%

Channel	Description	DMX-Value	Hex-Value	Value %
	bi (pink – turquoise)	55 - 59	37 - 3B	21 – 22%
	color 7 (turquoise)	60 - 64	3E - 40	23 – 24%
	bi (turquoise – orange)	65 - 69	41 - 45	25 – 26%
	color 8 (orange)	70 - 74	46 - 4A	27 – 28%
	bi (orange – cyan)	75 - 79	4B - 4F	29 – 30%
	color 9 (cyan)	80 - 84	50 - 54	31 – 32%
	bi (cyan – magenta)	85 - 89	55 - 59	33 – 34%
	color 10 (magenta)	90 - 94	5A - 5E	35 – 36%
	bi (magenta – white)	95 - 99	5F - 63	37 – 39%
	rotation cw slow – fast	128 - 191	80 - BF	50 – 74%
	stop	192	C0	75%
	rotation ccw slow – fast	193 - 255	C1 - FF	76-100%
<b>9) Gobow. 1</b>	Gobo 1 (open)	0 - 9	0 - 9	0 – 3%
	Gobo 2 (rotation + posi)	10 - 19	A - 13	4 – 7%
	Gobo 3 (rotation + posi)	20 - 29	14 - 1D	8 – 11%
	Gobo 4 (fixed)	30 - 39	1E - 27	12 – 15%
	Gobo 5 (rotation + posi)	40 - 49	28 - 31	16 – 19%
	Gobo 6 (rotation + posi)	50 - 127	32 - 7F	20 – 50%
	rotation cw fast – slow	128 - 191	80 - BF	51 – 74%
	stop	192	C0	75%
	rotation ccw slow – fast	193 - 255	C1 – FF	76-100%
<b>10) Schutter</b>	shutter open	0 - 9	0 – 9	0 – 3%
	shutter close 1	10 – 19	A – 13	4 – 7%
	shutter close 2	20 - 29	14 – 1D	8 – 11%
	shutter slow – fast	30 – 99	1E – 63	12 – 38%
	shutter close 1	100 – 250	64 – FA	39 – 98%
	shutter open	251 - 255	FB - FF	99-100%
<b>11) Gobo 1</b>	stop	0 – 4	0 – 4	0 – 1%
<b>Rotation 1</b>	rotation cw slow – fast	5 – 24	5 – 18	2 – 9%
	stop	25 – 29	19 – 1D	10 – 11%
	rotation ccw slow – fast	30 – 49	1E – 31	12 – 19%
	stop	50 – 54	32 – 36	20 – 21%
	gobo position	55 - 255	37 – FF	22-100%
<b>12) Iris</b>	Iris 100% - 4% open	0 - 255	0 – FF	0 – 100%
<b>13) Fokus</b>	min -. max	0 - 255	0 – A	0 – 100%
<b>14) Gobow. 2</b>	Gobo 1 (open)	0 – 9	0 - 9	0 – 3%
	Gobo 2 (rotation)	10 – 19	A - 13	4 – 7%
	Gobo 3 (rotation)	20 – 29	14 - 1D	8 – 11%
	Gobo 4 (color correction filter)	30 – 39	1E - 27	12 – 15%
	Gobo 5 (rotation)	40 – 44	28 – 7B	16 – 17%
	Gobo 6 (rotation)	45 – 123	2D – 7B	18 – 49%
	rotation cw slow . fast	124 – 191	80 - BF	50 – 74%

Channel	Description	DMX-Value	Hex-Value	Value %
	stop	192	C0	75%
	rotation ccw slow – fast	193 – 255	C1 - FF	76 – 100%
<b>15) Gobo 2</b>	stop	0 – 15	0 - F	0 – 5%
<b>Rotation</b>	rotation cw slow – fast	16 – 143	10 - 8F	6 – 55%
	stop	144	90	56%
	rotation ccw slow – fast	145 – 255	91 - FF	57 – 100%
<b>16) Prism</b>	open	0 – 9	0 – 9	0 – 3%
	prism 1	10 – 19	A – 13	4 – 7%
	rot. cw prism 1 slow – fast	20 – 69	14 – 45	8 – 26%
	stop	70	46	27%
	rot. ccw prism 1 slow – fast	71 – 119	47 – 77	28 – 46%
	stop	120	78	47%
	Effect (frost filter)	121 - 129	79 – 81	48 – 50%
	prism 2	130 – 139	82 – 8B	51 – 54%
	rot. cw prism 2 slow – fast	140 – 189	8C – BD	55 – 73%
	stop	190	BE	74%
	rot. ccw prism 2 slow – fast	191 – 239	BF – EF	75 – 93%
	stop	240 – 255	F0 – FF	94 – 100%
<b>17) Dimmer</b>	close (0%)	0 – 9	0 – 9	0 – 3%
	close – open (0 – 100%)	10 – 249	A – F9	4 – 97%
	open (100%)	250 – 255	FA – FF	98 – 100%
<b>Lamp on</b>	Shutter (min 2 sec)	240 – 245	F0 – F5	94 – 96%
	dimmer	250 – 255	FA – FF	98 – 100%
<b>Lamp on</b> <small>(from software-version 2.2, this is also shown in the display)</small>	Shutter (min 2 sec)	240 – 255	F0 – FF	94 – 100%
	dimmer	250 – 255	FA – FF	98 – 100%
<b>Lamp off</b>	shutter (min 2sec)	246 – 250	F6 – FA	97 – 98%
	dimmer	0 – 9	0 – 9	0 – 3%
	iris (max 5sec)	x- 255- 0	x - FF - 0	x- 100 -0%
<b>Lamp off</b> <small>(from software-version 2.2, this is also shown in the display)</small>	shutter (min 2sec)	230 – 250	E6 – FA	90 – 98%
	dimmer	0 – 9	0 – 9	0 – 3%
	iris (max 5sec)	x- 255- 0	x - FF - 0	x- 100 -0%

### Relative Movement:

If DMX- Channel Nr.7 (Special) is on DMX- [000] you can control the **PATEND-LIGHT 1200** in **Relative Movement**. Therefore the Speed channels No. 5/6 must be also on DMX- [000] If you have a DMX- Value on one of these channels it is automatically on Absolute Movement. While programming circles or other movements please use the Absolute Movement.

