



# ***Patend Light 1200***

***1200 Basic & 575 Basic***

## ***DMX Channel Selection***

From Version 1.0



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## Channel selection ( Overview table )

Channel	Description		DMX-Value	Hex-Value	Value %
1) Head	Headposition, Low Byte (0°-1,41°)		0 - 255	0 - FF	0 – 100%
2) Head	Headposition, High Byte (0°-360°)		0 - 255	0 - FF	0 – 100%
3) Mirror	Mirrorposition, Low Byte(0°-1,41°)		0 - 255	0 - FF	0 – 100%
4) Mirror	Mirrorposition, High Byte (0°-360°)		0 - 255	0 - FF	0 – 100%
5) Speed Head	Speed Head, 1/8min - 5/sec		0 - 255	0 - FF	0 – 100%
6) Speed Mirror	Speed Mirror, 1/4min - 3/sec		0 - 255	0 - FF	0 – 100%
7) Special Function	Head	Mirror			
	Relative Movement		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%
8) Color 1	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%
	color 6 (pink)		50 - 54	32 - 36	19 – 20%
	bi (pink – turquoise)		55 -59	37 - 3B	21 – 22%

Channel	Description	DMX-Value	Hex-Value	Value %
	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) Color 2</b>	color 1 (white)	0 - 63	0 - 3F	0 - 24%
	color 2 (cyna)	64 - 127	40 - 7F	25 - 49%
	color 1 (white)	128-191	80 - BF	50 - 75%
	color 3 (magenta)	192 - 255	C0 - 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) 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>12) Gobo 1</b>	gobo 1	0 - 9	0 - 9	0 - 3%
	gobo 2	10 - 19	A - 13	4 - 7%
	gobo 3	20 - 29	14 - 1D	8 - 11%
	gobo 4	30 - 39	1E - 27	12 - 15%
	gobo 5	40 - 49	28 - 31	16 - 19%
	gobo 6	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>13) Gobo</b>	Stop	0 - 4	0 - 4	0 - 1%
<b>Rotation</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>14) Gobo 2</b>	Gobo 1	0 - 9	0 - 9	0 - 3%
	Gobo 2	10 - 19	A - 13	4 - 7%
	Gobo 3	20 - 29	14 - 1D	8 - 11%

Channel	Description	DMX-Value	Hex-Value	Value %
	Gobo 4	30 – 39	1E - 27	12 – 15%
	Gobo 5	40 – 49	28 - 31	16 – 19%
	Gobo 6	50 – 127	32 - 7F	20 – 50%
	rotation cw slow . fast	128 – 191	80 - BF	51 – 74%
	stop	192	C0	75%
	rotation ccw slow – fast	193 – 255	C1 - FF	76 – 100%
<b>15) Focus</b>	min – max	0 – 255	0 – FF	0 – 100%
<b>16) Iris</b>	100% - 4%	0 – 255	0 – FF	0 – 100%
<b>17) Prism</b>	open	0 – 9	0 – 9	0 – 3%
	Prism 1	10 – 120	A – 78	4 – 47%
	Effect	121 – 129	79 – 81	48 – 50%
	Prism 2	130 – 255	82 – FF	51 – 100%
<b>Lamp on</b>	shutter (min 2 sec)	240 – 245	F0 – F5	94 – 96%
	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%

### Relative Movement:

If DMX- channel Nr.7 (Special) is on DMX- [000] you can control the **PATEND-LIGHT 1200/575 BASIC** in **Relative Movement**. Therefor 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.

