

# DMX Channel Index

impression<sup>&</sup>  
X4BAR



10

from software version: v0.60



— since 1994 —

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Seven DMX modes are available to suit different applications and preferences:

- **Normal Mode (33 Channels):** Most common mode with all basic functions. See page 3.
- **Compressed Mode (19 Channels):** Limited channel mode. Channels are sorted to match the Impression X4 normal mode. See page 4.
- **High Resolution Mode (34 Channels):** Same as Normal Mode but with 16-bit master dimming. See page 5.
- **Single Pixel Mode (48 Channels):** Individual control of the RGBW values for each pixel, which allows for pixel mapping. See page 6.
- **Single Pixel High Resolution Mode (49 Channels):** Same as the Single Pixel Mode but with 16-bit master dimming. See page 7.
- **Dual Pixel Mode (28 Channels):** Similar to Single Pixel Mode but with 2 pixel combined as one to reduce the channel count. See page 8.
- **Dual Pixel High Resolution Mode (29 Channels):** Same as the Dual Pixel Mode but with 16-bit master dimming. See page 9.

### Notes on DMX Functions

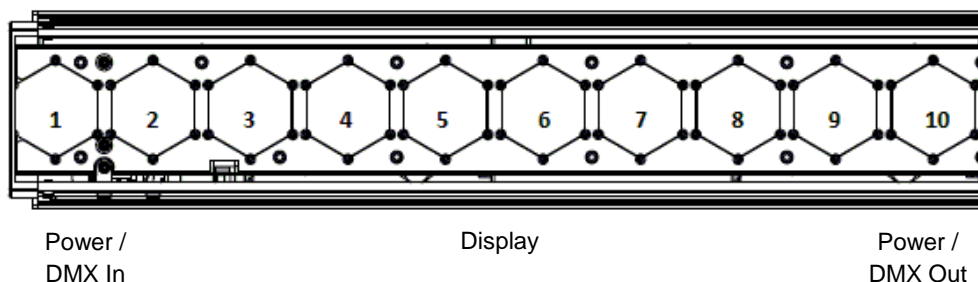
<sup>1)</sup> Indicates start colors for the rainbow effect. If you select one of these colors before activating the rainbow effect, all **IMPRESSION X4 Bars** will start from that color and execute the rainbow effect synchronously. **IMPRESSION X4 Bars** with other indicated start colors will also execute the rainbow effect synchronously. If you select a color that is not defined as a rainbow effect start color, the rainbow effect starts with red.

<sup>2)</sup> Pauses rainbow effect. After resuming, the effect continues from the current color.

<sup>3)</sup> Starts rainbow effect. The effect runs synchronously if started from one of the defined start colors. See note 1, above.

<sup>4)</sup> Set 2 values are visible only when a pattern is applied to Set 1. Set 3 values are visible only when patterns are applied to Sets 1 and 2.

Pixels are numbered 1-10 from left to right as shown below. Note: The head is tipped forward (DMX value = 0), the display is in front, and the input sockets are on the left.



**Normal Mode (norm) 33 DMX channels**

Channel		Function	Time and Value	DMX	
1	Tilt - High	Tilt coarse	0° - 210°	0..255	
2	Tilt - Low	Tilt fine		0..255	
3	Zoom	Wide (flood) - narrow (spot)	50° - 7°	0..255	
4	CTO	No CTO		0..7	
		Continuous color temperature correction	Applies to ALL colors	8..255	
5	Set 1 Color (fixed)	Colors adjustable via RGB		0..7	
		Color 01 - Red <sup>1)</sup>		8..15	
		Color 02 - Amber <sup>1)</sup>		16..23	
		Color 03 - Warm Yellow <sup>1)</sup>		24..31	
		Color 04 - Yellow <sup>1)</sup>		32..39	
		Color 05 - Green <sup>1)</sup>		40..47	
		Color 06 - Turquoise <sup>1)</sup>		48..55	
		Color 07 - Cyan <sup>1)</sup>		56..63	
		Color 08 - Blue <sup>1)</sup>		64..71	
		Color 09 - Lavender <sup>1)</sup>		72..79	
		Color 10 - Malve <sup>1)</sup>		80..87	
		Color 11 - Magenta <sup>1)</sup>		88..95	
		Color 12 - Pink <sup>1)</sup>		96..103	
		White - CTO	3200K	104..111	
		White	5600K	112..119	
White - CTB	7200K	120..127			
Rainbow Effect Stop <sup>2)</sup>		128			
Rainbow Effect <sup>3)</sup>	slow - fast	129..223			
Random colors	slow - fast	224..255			
6	Set 1	Red	Color mixing system - Red	0 - 100%	0..255
7		Green	Color mixing system - Green	0 - 100%	0..255
8		Blue	Color mixing system - Blue	0 - 100%	0..255
9		White	Color mixing system - White	0 - 100%	0..255
10		Intensity	Intensity	0 - 100%	0..255
11	Shutter	Shutter closed			0..15
		Shutter pulse random	slow – fast		16..47
		Fade on, snap off (random patterns)	slow – fast		48..79
		Snap on, fade off (random patterns)	slow – fast		80..111
		Fade on, fade off (random patterns)	slow – fast		112..143
		Strobe random	5s - 0.1s		144..199
		Strobe effect slow - fast	1 Hz - 10 Hz		200..239
Shutter open			240..255		
12	Intensity	Intensity	0 - 100%	0..255	
13	Special	See special functions on page 10	-	-	
14	Set 2 <sup>4)</sup>	Color	Values see Channel 5	-	-
15		Red	Color mixing system - Red	0 - 100%	0..255
16		Green	Color mixing system - Green	0 - 100%	0..255
17		Blue	Color mixing system - Blue	0 - 100%	0..255
18		White	Color mixing system - White	0 - 100%	0..255
19	Intensity	Intensity	0 - 100%	0..255	
20	Set 3 <sup>4)</sup>	Color	Values see Channel 5	-	-
21		Red	Color mixing system - Red	0 - 100%	0..255
22		Green	Color mixing system - Green	0 - 100%	0..255
23		Blue	Color mixing system - Blue	0 - 100%	0..255
24		White	Color mixing system - White	0 - 100%	0..255
25	Intensity	Intensity	0 - 100%	0..255	
26	Crossfade	0..2 seconds transition time		0..255	
27	Star Effect	Random internal shutter effect	slow – fast	0..255	
28	Set 1	Pattern Select		0..255	
29		Pattern Movement		0..255	
30	Set 2 <sup>4)</sup>	Pattern Select		0..255	
31		Pattern Movement		0..255	
32	Pixel Select 1 - 8			0..255	
33	Pixel Select 9 - 10			0..255	

**Compressed Mode (comp) 19 DMX Channels**

Channel		Function	Time and Value	DMX	
1	None	reserved		-	
2	None	reserved		-	
3	Tilt - High	Tilt coarse	0° - 210°	0..255	
4	Tilt - Low	Tilt fine		0..255	
5	Set 1 Color (fixed)	Colors adjustable via RGB		0..7	
		Color 01 - Red <sup>1)</sup>		8..15	
		Color 02 - Amber <sup>1)</sup>		16..23	
		Color 03 - Warm Yellow <sup>1)</sup>		24..31	
		Color 04 - Yellow <sup>1)</sup>		32..39	
		Color 05 - Green <sup>1)</sup>		40..47	
		Color 06 - Turquoise <sup>1)</sup>		48..55	
		Color 07 - Cyan <sup>1)</sup>		56..63	
		Color 08 - Blue <sup>1)</sup>		64..71	
		Color 09 - Lavender <sup>1)</sup>		72..79	
		Color 10 - Malve <sup>1)</sup>		80..87	
		Color 11 - Magenta <sup>1)</sup>		88..95	
		Color 12 - Pink <sup>1)</sup>		96..103	
		White - CTO	3200K	104..111	
		White	5600K	112..119	
White - CTB	7200K	120..127			
Rainbow Effect Stop <sup>2)</sup>		128			
Rainbow Effect <sup>3)</sup>	slow - fast	129..223			
Random colors	slow - fast	224..255			
6	Set 1	Red	Color mixing system - Red	0 - 100%	0..255
7		Green	Color mixing system - Green	0 - 100%	0..255
8		Blue	Color mixing system - Blue	0 - 100%	0..255
9		White	Color mixing system - White	0 - 100%	0..255
10	Shutter	Shutter closed			0..15
		Shutter pulse random	slow – fast		16..47
		Fade on, snap off (random patterns)	slow – fast		48..79
		Snap on, fade off (random patterns)	slow – fast		80..111
		Fade on, fade off (random patterns)	slow – fast		112..143
		Strobe random	5s - 0.1s		144..199
		Strobe effect slow - fast	1 Hz - 10 Hz		200..239
Shutter open			240..255		
11	Intensity	Intensity	0 - 100%	0..255	
12	CTO	No CTO			0..7
		Continuous color temperature correction	Applies to ALL colors		8..255
13	Special	See special functions on page 10	-	-	
14	Crossfade	0..2 seconds transition time		0..255	
15	Set 1 Pattern Movement			0..255	
16	Zoom	Wide (flood) - narrow (spot)	50° - 7°	0..255	
17	Set 1 Pattern			0..255	
18	Pixel Select 1 - 8			0..255	
19	Pixel Select 9 - 10			0..255	

**High Resolution Mode (Hires) 34 DMX Channels**

Channel		Function	Time and Value	DMX
1	Tilt - High	Tilt coarse	0° - 210°	0..255
2	Tilt - Low	Tilt fine		0..255
3	Zoom	Wide (flood) - narrow (spot)	50° - 7°	0..255
4	CTO	No CTO		0..7
		Continuous color temperature correction	Applies to ALL colors	8..255
5	Set 1 Color (fixed)	Colors adjustable via RGB		0..7
		Color 01 - Red <sup>1)</sup>		8..15
		Color 02 - Amber <sup>1)</sup>		16..23
		Color 03 - Warm Yellow <sup>1)</sup>		24..31
		Color 04 - Yellow <sup>1)</sup>		32..39
		Color 05 - Green <sup>1)</sup>		40..47
		Color 06 - Turquoise <sup>1)</sup>		48..55
		Color 07 - Cyan <sup>1)</sup>		56..63
		Color 08 - Blue <sup>1)</sup>		64..71
		Color 09 - Lavender <sup>1)</sup>		72..79
		Color 10 - Malve <sup>1)</sup>		80..87
		Color 11 - Magenta <sup>1)</sup>		88..95
		Color 12 - Pink <sup>1)</sup>		96..103
		White - CTO	3200K	104..111
		White	5600K	112..119
White - CTB	7200K	120..127		
Rainbow Effect Stop <sup>2)</sup>		128		
Rainbow Effect <sup>3)</sup>	slow - fast	129..223		
Random colors	slow - fast	224..255		
6	Set 1	Red	Color mixing system - Red	0 - 100%
		Green	Color mixing system - Green	0 - 100%
		Blue	Color mixing system - Blue	0 - 100%
		White	Color mixing system - White	0 - 100%
		Intensity	Intensity	0 - 100%
11	Shutter	Shutter closed		0..15
		Shutter pulse random	slow – fast	16..47
		Fade on, snap off (random patterns)	slow – fast	48..79
		Snap on, fade off (random patterns)	slow – fast	80..111
		Fade on, fade off (random patterns)	slow – fast	112..143
		Strobe random	5s - 0.1s	144..199
		Strobe effect slow - fast	1 Hz - 10 Hz	200..239
Shutter open		240..255		
12	Intensity - High	Intensity - coarse	0 - 100%	0..255
13	Intensity - Low	Intensity - fine	-	0..255
14	Special	See special functions on page 10	-	-
15	Set 2 <sup>4)</sup>	Color	Values see Channel 5	-
16		Red	Color mixing system - Red	0 - 100%
17		Green	Color mixing system - Green	0 - 100%
18		Blue	Color mixing system - Blue	0 - 100%
19		White	Color mixing system - White	0 - 100%
20		Intensity	Intensity	0 - 100%
21	Set 3 <sup>4)</sup>	Color	Values see Channel 5	-
22		Red	Color mixing system - Red	0 - 100%
23		Green	Color mixing system - Green	0 - 100%
24		Blue	Color mixing system - Blue	0 - 100%
25		White	Color mixing system - White	0 - 100%
26	Intensity	Intensity	0 - 100%	
27	Crossfade	0.2 seconds transition time		0..255
28	Star Effect	Random internal shutter effect	slow – fast	0..255
29	Set 1	Pattern Select		0..255
30		Pattern Movement		0..255
31	Set 2 <sup>4)</sup>	Pattern Select		0..255
32		Pattern Movement		0..255
33	Pixel Select 1 - 8			0..255
34	Pixel Select 9 - 10			0..255

**Single Pixel Mode (spix) 48 DMX Channels**

Channel		Function	Time and Value	DMX
1	Tilt - High	Tilt coarse	0° - 210°	0..255
2	Tilt - Low	Tilt fine		0..255
3	Shutter	Shutter closed		0..15
		Shutter pulse random	slow – fast	16..47
		Fade on, snap off (random patterns)	slow – fast	48..79
		Snap on, fade off (random patterns)	slow – fast	80..111
		Fade on, fade off (random patterns)	slow – fast	112..143
		Strobe random	5s - 0.1s	144..199
		Strobe effect slow - fast	1 Hz - 10 Hz	200..239
	Shutter open		240..255	
4	Intensity	Intensity	0 - 100%	0..255
5	CTO	No CTO		0..7
		Continuous color temperature correction	Applies to ALL colors	8..255
6	Special	See special functions on page 10	-	-
7	Crossfade	0..2 seconds transition time		0..255
8	Zoom	Wide (flood) - narrow (spot)	50° - 7°	0..255
9	Pixel 1	Red	Color mixing system - Red	0 - 100%
10		Green	Color mixing system - Green	0 - 100%
11		Blue	Color mixing system - Blue	0 - 100%
12		White	Color mixing system - White	0 - 100%
13	Pixel 2	Red	Color mixing system - Red	0 - 100%
14		Green	Color mixing system - Green	0 - 100%
15		Blue	Color mixing system - Blue	0 - 100%
16		White	Color mixing system - White	0 - 100%
17	Pixel 3	Red	Color mixing system - Red	0 - 100%
18		Green	Color mixing system - Green	0 - 100%
19		Blue	Color mixing system - Blue	0 - 100%
20		White	Color mixing system - White	0 - 100%
21	Pixel 4	Red	Color mixing system - Red	0 - 100%
22		Green	Color mixing system - Green	0 - 100%
23		Blue	Color mixing system - Blue	0 - 100%
24		White	Color mixing system - White	0 - 100%
25	Pixel 5	Red	Color mixing system - Red	0 - 100%
26		Green	Color mixing system - Green	0 - 100%
27		Blue	Color mixing system - Blue	0 - 100%
28		White	Color mixing system - White	0 - 100%
29	Pixel 6	Red	Color mixing system - Red	0 - 100%
30		Green	Color mixing system - Green	0 - 100%
31		Blue	Color mixing system - Blue	0 - 100%
32		White	Color mixing system - White	0 - 100%
33	Pixel 7	Red	Color mixing system - Red	0 - 100%
34		Green	Color mixing system - Green	0 - 100%
35		Blue	Color mixing system - Blue	0 - 100%
36		White	Color mixing system - White	0 - 100%
37	Pixel 8	Red	Color mixing system - Red	0 - 100%
38		Green	Color mixing system - Green	0 - 100%
39		Blue	Color mixing system - Blue	0 - 100%
40		White	Color mixing system - White	0 - 100%
41	Pixel 9	Red	Color mixing system - Red	0 - 100%
42		Green	Color mixing system - Green	0 - 100%
43		Blue	Color mixing system - Blue	0 - 100%
44		White	Color mixing system - White	0 - 100%
45	Pixel 10	Red	Color mixing system - Red	0 - 100%
46		Green	Color mixing system - Green	0 - 100%
47		Blue	Color mixing system - Blue	0 - 100%
48		White	Color mixing system - White	0 - 100%

**Single Pixel High Resolution Mode (SPiXH) 49 DMX Channels**

Channel		Function	Time and Value	DMX
1	Tilt - High	Tilt coarse	0° - 210°	0..255
2	Tilt - Low	Tilt fine		0..255
3	Shutter	Shutter closed		0..15
		Shutter pulse random	slow – fast	16..47
		Fade on, snap off (random patterns)	slow – fast	48..79
		Snap on, fade off (random patterns)	slow – fast	80..111
		Fade on, fade off (random patterns)	slow – fast	112..143
		Strobe random	5s - 0.1s	144..199
		Strobe effect slow - fast	1 Hz - 10 Hz	200..239
	Shutter open		240..255	
4	Intensity - High	Intensity - coarse	0 - 100%	0..255
5	Intensity - Low	Intensity - fine	-	0..255
6	CTO	No CTO Continuous color temperature correction	Applies to ALL colors	0..7 8..255
7	Special	See special functions on page 10	-	-
8	Crossfade	0..2 seconds transition time		0..255
9	Zoom	Wide (flood) - narrow (spot)	50° - 7°	0..255
10	Pixel 1	Red	Color mixing system - Red	0 - 100%
11		Green	Color mixing system - Green	0 - 100%
12		Blue	Color mixing system - Blue	0 - 100%
13		White	Color mixing system - White	0 - 100%
14	Pixel 2	Red	Color mixing system - Red	0 - 100%
15		Green	Color mixing system - Green	0 - 100%
16		Blue	Color mixing system - Blue	0 - 100%
17		White	Color mixing system - White	0 - 100%
18	Pixel 3	Red	Color mixing system - Red	0 - 100%
19		Green	Color mixing system - Green	0 - 100%
20		Blue	Color mixing system - Blue	0 - 100%
21		White	Color mixing system - White	0 - 100%
22	Pixel 4	Red	Color mixing system - Red	0 - 100%
23		Green	Color mixing system - Green	0 - 100%
24		Blue	Color mixing system - Blue	0 - 100%
25		White	Color mixing system - White	0 - 100%
26	Pixel 5	Red	Color mixing system - Red	0 - 100%
27		Green	Color mixing system - Green	0 - 100%
28		Blue	Color mixing system - Blue	0 - 100%
29		White	Color mixing system - White	0 - 100%
30	Pixel 6	Red	Color mixing system - Red	0 - 100%
31		Green	Color mixing system - Green	0 - 100%
32		Blue	Color mixing system - Blue	0 - 100%
33		White	Color mixing system - White	0 - 100%
34	Pixel 7	Red	Color mixing system - Red	0 - 100%
35		Green	Color mixing system - Green	0 - 100%
36		Blue	Color mixing system - Blue	0 - 100%
37		White	Color mixing system - White	0 - 100%
38	Pixel 8	Red	Color mixing system - Red	0 - 100%
39		Green	Color mixing system - Green	0 - 100%
40		Blue	Color mixing system - Blue	0 - 100%
41		White	Color mixing system - White	0 - 100%
42	Pixel 9	Red	Color mixing system - Red	0 - 100%
43		Green	Color mixing system - Green	0 - 100%
44		Blue	Color mixing system - Blue	0 - 100%
45		White	Color mixing system - White	0 - 100%
46	Pixel 10	Red	Color mixing system - Red	0 - 100%
47		Green	Color mixing system - Green	0 - 100%
48		Blue	Color mixing system - Blue	0 - 100%
49		White	Color mixing system - White	0 - 100%

**Dual Pixel Mode (dpix) 28 DMX Channels**

Channel		Function	Time and Value	DMX
1	Tilt - High	Tilt coarse	0° - 210°	0..255
2	Tilt - Low	Tilt fine		0..255
3	Shutter	Shutter closed		0..15
		Shutter pulse random	slow – fast	16..47
		Fade on, snap off (random patterns)	slow – fast	48..79
		Snap on, fade off (random patterns)	slow – fast	80..111
		Fade on, fade off (random patterns)	slow – fast	112..143
		Strobe random	5s - 0.1s	144..199
		Strobe effect slow - fast	1 Hz - 10 Hz	200..239
		Shutter open		240..255
4	Intensity	Intensity	0 - 100%	0..255
5	CTO	No CTO		0..7
		Continuous color temperature correction	Applies to ALL colors	8..255
6	Special	See special functions on page 10	-	-
7	Crossfade	0..2 seconds transition time		0..255
8	Zoom	Wide (flood) - narrow (spot)	50° - 7°	0..255
9	Pixel 1&2	Red	Color mixing system - Red	0 - 100%
10		Green	Color mixing system - Green	0 - 100%
11		Blue	Color mixing system - Blue	0 - 100%
12		White	Color mixing system - White	0 - 100%
13	Pixel 3&4	Red	Color mixing system - Red	0 - 100%
14		Green	Color mixing system - Green	0 - 100%
15		Blue	Color mixing system - Blue	0 - 100%
16		White	Color mixing system - White	0 - 100%
17	Pixel 5&6	Red	Color mixing system - Red	0 - 100%
18		Green	Color mixing system - Green	0 - 100%
19		Blue	Color mixing system - Blue	0 - 100%
20		White	Color mixing system - White	0 - 100%
21	Pixel 7&8	Red	Color mixing system - Red	0 - 100%
22		Green	Color mixing system - Green	0 - 100%
23		Blue	Color mixing system - Blue	0 - 100%
24		White	Color mixing system - White	0 - 100%
25	Pixel 9&10	Red	Color mixing system - Red	0 - 100%
26		Green	Color mixing system - Green	0 - 100%
27		Blue	Color mixing system - Blue	0 - 100%
28		White	Color mixing system - White	0 - 100%



**Dual Pixel High Resolution Mode (DPiXH) 29 DMX Channels**

Channel		Function	Time and Value	DMX
1	<b>Tilt - High</b>	Tilt coarse	0° - 210°	0..255
2	<b>Tilt - Low</b>	Tilt fine		0..255
3	<b>Shutter</b>	Shutter closed		0..15
		Shutter pulse random	slow – fast	16..47
		Fade on, snap off (random patterns)	slow – fast	48..79
		Snap on, fade off (random patterns)	slow – fast	80..111
		Fade on, fade off (random patterns)	slow – fast	112..143
		Strobe random	5s - 0.1s	144..199
		Strobe effect slow - fast	1 Hz - 10 Hz	200..239
		Shutter open		240..255
4	<b>Intensity - High</b>	Intensity - coarse	0 - 100%	0..255
5	<b>Intensity - Low</b>	Intensity - fine	-	0..255
6	<b>CTO</b>	No CTO		0..7
		Continuous color temperature correction	Applies to ALL colors	8..255
7	<b>Special</b>	See special functions on page 10	-	-
8	<b>Crossfade</b>	0..2 seconds transition time		0..255
9	<b>Zoom</b>	Wide (flood) - narrow (spot)	50° - 7°	0..255
10	<b>Pixel 1&amp;2</b>	<b>Red</b>	Color mixing system - Red	0 - 100%
11		<b>Green</b>	Color mixing system - Green	0 - 100%
12		<b>Blue</b>	Color mixing system - Blue	0 - 100%
13		<b>White</b>	Color mixing system - White	0 - 100%
14	<b>Pixel 3&amp;4</b>	<b>Red</b>	Color mixing system - Red	0 - 100%
15		<b>Green</b>	Color mixing system - Green	0 - 100%
16		<b>Blue</b>	Color mixing system - Blue	0 - 100%
17		<b>White</b>	Color mixing system - White	0 - 100%
18	<b>Pixel 5&amp;6</b>	<b>Red</b>	Color mixing system - Red	0 - 100%
19		<b>Green</b>	Color mixing system - Green	0 - 100%
20		<b>Blue</b>	Color mixing system - Blue	0 - 100%
21		<b>White</b>	Color mixing system - White	0 - 100%
22	<b>Pixel 7&amp;8</b>	<b>Red</b>	Color mixing system - Red	0 - 100%
23		<b>Green</b>	Color mixing system - Green	0 - 100%
24		<b>Blue</b>	Color mixing system - Blue	0 - 100%
25		<b>White</b>	Color mixing system - White	0 - 100%
26	<b>Pixel 9&amp;10</b>	<b>Red</b>	Color mixing system - Red	0 - 100%
27		<b>Green</b>	Color mixing system - Green	0 - 100%
28		<b>Blue</b>	Color mixing system - Blue	0 - 100%
29		<b>White</b>	Color mixing system - White	0 - 100%

**Special Functions Channel, All Modes**

Function	Notes	Saved	DMX
Special functions off	Normal color mixing and priority.	no	0..3
Reverse color priority	Not available in SPix, DPix, SPixH, or DPixH modes.	no	4..7
Reverse color mixing		no	8..11
<b>To execute following commands, take special functions channel to DMX value 0, then set and hold function value 3 for seconds.</b>			
Tilt slow mode off	Set shutter to 48..49 and intensity to 50..59 (12800..15104 at high resolution). Requires Tilt Firmware V.20 or later.*	yes	120..123
Tilt slow mode on		yes	124..127
Tilt current off		yes	128..131
Tilt current on		yes	132..135
Tilt reset off		yes	136..139
Tilt reset on		yes	140..143
Display Flip off		yes	144..147
Display Flip on		yes	148..151
DMX Mode DPixH (HiRes)	Set shutter to 48..49 and intensity to 50..59 (12800..15104 at high resolution)	yes	152..155
DMX Mode SPixH (HiRes)		yes	156..159
DMX Mode High Resolution		yes	160..163
DMX Mode Normal		yes	164..167
DMX Mode Compressed		yes	168..171
DMX Mode DPix		yes	172..175
DMX Mode SPix		yes	176..179
Dimmer Curve ESoft		yes	180..183
Dimmer Curve Soft		yes	184..187
Dimmer Curve Lin		yes	188..191
X4 Compatibility off		yes	192..195
X4 Compatibility on		yes	196..199
Silent-Mode off		yes	200..203
Silent-Mode on		yes	204..207
Position Feedback off		yes	208..211
Position Feedback on		yes	212..215
DMX hold off	yes	216..219	
DMX hold on	yes	220..223	
Tilt inverse off	yes	224..227	
Tilt inverse on	yes	228..231	
Pixel inverse off	yes	232..235	
Pixel inverse on	yes	236..239	
Zoom inverse off	yes	240..243	
Zoom inverse on	yes	244..247	
Fixture default	Set shutter to 48..49 and intensity to 50..59 (12800..15104 at high resolution)	yes	248..251
Fixture reset		no	252..255

\* For further information please contact your local GLP dealer or GLP support center.

## Technical Specifications:

<b>Power supply</b>	
<b>Power consumption</b>	200 VA (Watt)
<b>Power Input</b>	Auto sensing 100-240 V AC, 50-60 Hz
<b>Fuse protection</b>	Micro-fuse 5x20 mm, T5A
<b>Operational Parameters</b>	
<b>Max. Ambient Temperature</b>	5° - 45°C (integrated overheating switch) 40°-113°F
<b>Mounting Position</b>	Any (see relevant chapter in the manual)
<b>Lighting System - Additive Color mixing</b>	
<b>LED Type</b>	10 x Osram Ostar RGBW multi-chip
<b>Lifetime</b>	50,000 h
Wavelength optimized for maximum presentable color space	
<b>Optical System</b>	
Full RGBW / High efficient Collimator cluster Exchangeable diffuser filters available (optional).	
<b>Shutter / Dimmer (8/16 Bit)</b>	
Strobe- Effect with variable speed between 1-10 flashes per second, Random- & Pulse-Effects Continuous Dimmer 0 - 100%	
<b>Zoom</b>	
7 to 50 degree continuous high speed zoom	
<b>Optical Patterns</b>	
Several pre-defined beam patterns with direct access and manipulation. Free control of every pixel, color and intensity	
<b>DMX Control</b>	
Standard USITT DMX-512, 5 pin XLR: [+]=Pin 3 / [-]=Pin 2 / [Ground]=Pin 1 / Pin 4&5 N.C. The DMX- Addressing starts at DMX channel [001].	
<b>Tilt (8/16 Bit)</b>	
<b>Tilt- movement</b>	<b>210° in min. 1.5 seconds (Position Feedback)</b>
<b>Weights and Measures</b>	
<b>Length</b>	<b>500 mm / 19.7''</b>
<b>Width</b>	<b>100 mm / 3.9''</b>
<b>Height</b>	<b>240 mm / 9.4''</b>
<b>Weight (net)</b>	<b>8 kg / 17.6 lbs</b>
<b>Weight with bracket</b>	<b>9.8 kg / 21.6 lbs</b>

## Dimensions

