

### DMX list

<i>DMX Parameter number</i>	<i>FUNCTION</i>
<b>1</b>	CYAN
<b>2</b>	MAGENTA
<b>3</b>	YELLOW
<b>4</b>	COLOUR WHEEL
<b>5</b>	STOPPER / STROBE
<b>6</b>	DIMMER
<b>7</b>	DIMMER FINE
<b>8</b>	BEAM SHAPER INSERTION
<b>9</b>	BEAM SHAPER ROTATION
<b>10</b>	ZOOM
<b>11</b>	PAN
<b>12</b>	PAN FINE
<b>13</b>	TILT
<b>14</b>	TILT FINE
<b>15</b>	RESET
<b>16</b>	FUNCTION

### Function details

DMX Parameter	Bit Values	Function
1	0 - 255	<b>CYAN</b> Linear Cyan colour movement from white to full (Color Mixing → CMY) Linear Cyan colour movement full to white (Color Mixing → RGB)
2	0 - 255	<b>Magenta</b> Linear Magenta colour movement from white to full (Color Mixing → CMY) Linear Magenta colour movement from full to white (Color Mixing → RGB)
3	0 - 255	<b>YELLOW</b> Linear Yellow colour movement from white to full (Color Mixing → CMY) Linear Yellow colour movement from full to white (Color Mixing → RGB)
4		<b>COLOUR WHEEL</b>
	0 - 6	Empty position
	7 - 12	Empty + Dark red
	13 - 19	Dark red
	20 - 25	Dark red + Brilliant Blue
	26 - 31	Brilliant Blue
	32 - 38	Brilliant Blue + Green
	39 - 44	Green
	45 - 50	Green + CTO
	51 - 57	CTO
	58 - 63	CTO + Light Orange
	64 - 69	Light Orange
	70 - 76	Light Orange + Dark Orange
	77 - 82	Dark Orange
	83 - 88	Dark Orange + Navy Blue
	89 - 95	Navy Blue
	96 - 101	Navy Blue + Pink
102 - 107	Pink	
108 - 114	Pink + CTB	
115 - 120	CTB	
121 - 127	CTB + Empty	
128 - 255	Continuous CCW Colour Wheel rotation at linearly variable speed from slow to fast	
5		<b>STOPPER / STROBE</b>
	0 - 3	Light OFF
	4 - 103	Strobe at linearly variable frequency from low (1 flash/sec) to high (25 flashes/sec)
	104 - 107	Light ON
	108 - 207	Pulsation at linearly variable speed from slow to fast
	208 - 212	Light ON
	213 - 225	Random Strobe at low frequency
	226 - 238	Random Strobe at medium frequency
	239 - 251	Random Strobe at high frequency
252 - 255	Light ON	

<b>DMX Parameter</b>	<b>Bit Values</b>	<b>Function</b>
<b>6</b>	0 - 255	<b>DIMMER</b> Light output linearly increase from no-light to maximum brightness
<b>7</b>	0 - 255	<b>DIMMER FINE</b> Fine Dimmer positioning
<b>8</b>		<b>BEAM SHAPER INSERTION</b>
	0 - 127	Beam shaper out
	128 - 255	Beam shaper into the light beam
<b>9</b>		<b>BEAM SHAPER ROTATION</b>
	0 - 21	Beam shaper indexing: 0° to 90° range
	21 - 42	Beam shaper indexing: 90° to 180° range
	42 - 63	Beam shaper indexing: 180° to 270° range
	63 - 84	Beam shaper indexing: 270° to 360° range
	84 - 105	Beam shaper indexing: 360° to 450° range
	105 - 127	Beam shaper indexing: 450° to 540° range
	128 - 190	Continuous CCW beam shaper rotation at linearly variable speed from fast to slow
191 - 192	Stop rotation	
193 - 255	Continuous CW beam shaper rotation at linearly variable speed from slow to fast	
<b>10</b>		<b>ZOOM</b>
	0 - 255	Zoom linearly moves from narrow to wide beam
<b>11</b>		<b>PAN</b>
	0 - 255	Pan movement/positioning from 0° to 540°
<b>12</b>		<b>PAN FINE</b>
	0 - 255	Fine Pan positioning
<b>13</b>		<b>TILT</b>
	0 - 255	Tilt movement/positioning from 0° to 270°
<b>14</b>		<b>TILT FINE</b>
	0 - 255	Fine Tilt positioning
<b>15</b>		<b>RESET</b>
	0 - 25	Unused range
	26 - 76	Effects Reset Effects Reset sequence is activated passing through the unused levels range and staying in this range for 5 seconds
	77 - 127	Pan / Tilt Reset Pan/Tilt Reset sequence passing through the unused levels range and staying in this range for 5 seconds.
	128 - 255	Complete Reset All-effects Reset sequence passing through the unused levels range and staying in this range for 5 seconds.

DMX Parameter	Bit Values	Function
16		<b>FUNCTION</b>
	0 – 10	Unused range
	11 – 20	Led frequency 600 Hz
	21 – 30	Led frequency 1200 Hz (default setting)
	31 – 40	Led frequency 2000 Hz
	41 – 50	Led frequency 4000 Hz
	51 – 60	Led frequency 8000 Hz
	61 – 70	Led frequency 16 KHz
	71 – 80	Led frequency 25 KHz
	81 – 90	Fan Mode Auto (default setting)
	91 – 95	Fan Mode SLN
	96 – 100	Fan Mode Theatre
	101 – 110	Fan Mode Constant
	111 – 120	Pan/Tilt slow speed
	121 – 130	Pan/Tilt medium speed
131 – 140	Pan/Tilt fast speed (default setting)	
141 – 255	Not used	
	<b>IMPORTANT:</b> The functions are activated/selected staying in the necessary range for 3 seconds.	

### IMPORTANT NOTE

*To preserve the LED engine, it is suggested to set the Dimmer channel @ 0bit a few minutes before turning off the fixture.*

*To prevent accidental breakage of the effects, which could collide with each others during transport, before switching the projector OFF check that all the projector Channels have been excluded (DMX level = 0 bit.).*