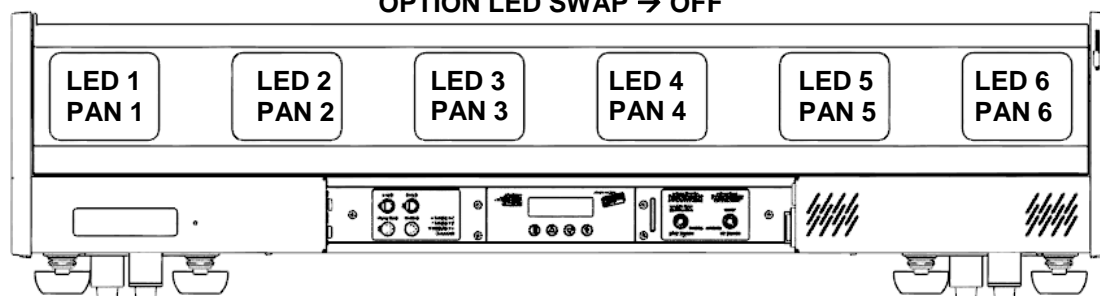


BASIC ENGINE		
CHANNEL	STANDARD	SHAPE
1	RED	RED
2	RED FINE	RED FINE
3	GREEN	GREEN
4	GREEN FINE	GREEN FINE
5	BLUE	BLUE
6	BLUE FINE	BLUE FINE
7	WHITE	WHITE
8	WHITE FINE	WHITE FINE
9	CTO	CTO
10	MACRO COLOUR	MACRO COLOUR
11	STROBE	STROBE
12	DIMMER	DIMMER
13	DIMMER FINE	DIMMER FINE
14	ZOOM	ZOOM
15	TILT	TILT
16	TILT FINE	TILT FINE
17	PAN 1	PAN 1
18	PAN 2	PAN 2
19	PAN 3	PAN 3
20	PAN 4	PAN 4
21	PAN 5	PAN 5
22	PAN 6	PAN 6
23	FUNCTION	FUNCTION
24	RESET	RESET
25	-	PIXEL MACRO
26	-	PIXEL SPEED
27	-	PIXEL OFFSET
28	-	MIRROR MACRO
29	-	MIRROR SPEED
30	-	MIRROR OFFSET

PIXEL ENGINE		
Pixel Engine need to be enabled through the FUNCTION parameter (bit 103-105)		
CHANNEL	RGB	RGBW
1	RED 1	RED 1
2	GREEN 1	GREEN 1
3	BLUE 1	BLUE 1
4	RED 2	WHITE 1
5	GREEN 2	RED 2
6	BLUE 2	GREEN 2
7	RED 3	BLUE 2
8	GREEN 3	WHITE 2
9	BLUE 3	RED 3
10	RED 4	GREEN 3
11	GREEN 4	BLUE 3
12	BLUE 4	WHITE 3
13	RED 5	RED 4
14	GREEN 5	GREEN 4
15	BLUE 5	BLUE 4
16	RED 6	WHITE 4
17	GREEN 6	RED 5
18	BLUE 6	GREEN 5
19	-	BLUE 5
20	-	WHITE 5
21	-	RED 6
22	-	GREEN 6
23	-	BLUE 6
24	-	WHITE 6

OPTION LED SWAP → OFF



## BASIC ENGINE CHANNEL FUNCTION

CHANNEL	DMX Value	Function
1		<b>RED</b>
	0 - 255	Red colour linearly increase from no-light to maximum intensity
2		<b>RED FINE</b>
	0 - 255	Fine Red intensity
3		<b>GREEN</b>
	0 - 255	Green colour linearly increase from no-light to maximum intensity
4		<b>GREEN FINE</b>
	0 - 255	Fine Green intensity
5		<b>BLUE</b>
	0 - 255	Blue colour linearly increase from no-light to maximum intensity
6		<b>BLUE FINE</b>
	0 - 255	Fine Blue intensity
7		<b>WHITE</b>
	0 - 255	White colour linearly increase from no-light to maximum intensity
8		<b>WHITE FINE</b>
	0 - 255	Fine White intensity
9		<b>CTO</b>
	0 - 9	Colour Temperature control deactivated
	10 - 255	Colour Temperature control from 8000K to 2500K

CHANNEL	DMX Value	Function
10		<b>MACRO COLOUR</b>
	0 - 9	No macro colour
	10	Red
	11	Green
	12	Blue
	13	Cyan
	14	Yellow
	15	Magenta
	16	White 7000K
	17	White 3700K
	18	White 5000K
	19	Black
	20 – 22	Medium Yellow
	23 – 26	Straw Tint
	27 – 28	Surprise Peach
	29	Fire
	30	Medium Amber
	31	Gold Amber
	32 – 34	Dark Amber
	35 – 44	Sunrise Red
	45	Light Pink
	46 – 48	Medium Pink
	49 – 61	Pink Carnation
	62 – 67	Light Lavender
	68 – 77	Lavender
	78 – 88	Sky Blue
	89 – 99	Just Blue
	100 – 109	Dark Yellow green
	110 – 111	Spring Yellow
	112	Light Amber
	113	Straw
	114	Deep Amber
	115 – 116	Orange
	117	Light Rose
	118	English Rose
	119	Light Salmon
	120	Middle Rose
	121 – 122	Dark Pink
	123 – 124	Magenta
	125	Peacock Blue
	126	Med Blue Green
	127	Steel Blue
	128	Light Blue
	129 – 130	Dark Blue
	131 – 133	Leaf Green
	134 – 135	Dark Green
	136 – 137	Mauve
138 – 141	Bright Pink	
142 – 144	Medium Blue	
145	Deep Golden Amber	
146	Pale Lavender	
147 – 148	Special lavender	
149 – 150	Primary Green	
151 – 156	Bright Blue	
157 – 161	Apricot	
162 – 167	Pale Gold	
168 – 171	Deep Orange	
172 – 173	Bastard Amber	
174	Flame Red	
175 – 178	Daylight Blue	
179	Lilac Tint	
180 – 183	Deep Lavender	
184 – 190	Dark Steel Blue	
191 – 206	Congo Blue	
207	Alice Blue	
208	Dirty White	
209 - 255	White	

CHANNEL	DMX Value	Function
11		<b>STROBE</b>
	0 - 3	Light ON
	4 - 69	Strobe at linearly variable frequency from low (1 flash/sec) to high (20 flashes/sec)
	70 - 74	Light ON
	75 - 140	Pulsation at linearly variable speed from slow (0.5 flash/sec) to fast (20 flash/sec)
	141 - 206	Pulsation at linearly variable speed from fast (24 flash/sec) to slow (0.5 flash/sec)
	207 - 211	Light ON
	212 - 224	Random Strobe at low frequency
	225 - 237	Random Strobe at medium frequency
	238 - 250	Random Strobe at high frequency
251 - 255	Light ON	
12		<b>DIMMER</b>
	0 - 255	Light output linearly increase from off to maximum brightness
13		<b>DIMMER FINE</b>
	0 - 255	Fine Dimmer positioning
14		<b>ZOOM</b>
	0 - 255	Zoom linearly moves from narrow to wide beam
15		<b>TILT</b>
	0 - 255	Moving batten linearly tilts from -120° to +120°
16		<b>TILT FINE</b>
	0 - 255	Tilt Fine positioning
17		<b>PAN 1</b>
	0 - 255	Mirror 1 positioning (Default LED SWAP option OFF)
18		<b>PAN 2</b>
	0 - 255	Mirror 2 positioning (Default LED SWAP option OFF)
19		<b>PAN 3</b>
	0 - 255	Mirror 3 positioning (Default LED SWAP option OFF)
20		<b>PAN 4</b>
	0 - 255	Mirror 4 positioning (Default LED SWAP option OFF)
21		<b>PAN 5</b>
	0 - 255	Mirror 5 positioning (Default LED SWAP option OFF)
22		<b>PAN 6</b>
	0 - 255	Mirror 6 positioning (Default LED SWAP option OFF)
23		<b>FUNCTION</b>
	0 - 102	Free
	103 - 105	Pixels Mapping Enable
	106 - 255	Free

CHANNEL	DMX Value	Function
24		<b>RESET</b>
	0 - 25	Unused Range
	26 - 76	Zoom Reset
	77 - 127	Pan / Tilt Reset
	128 - 255	Complete Reset
Each reset is activated passing through the unused range and staying 5 seconds in required reset levels		
25		<b>PIXEL MACRO</b>
	0 - 15	Macro OFF
	16 - 31	Macro 1
	32 - 47	Macro 2
	48 - 63	Macro 3
	64 - 79	Macro 4
	80 - 95	Macro 5
	96 - 111	Macro 6
	112 - 127	Macro 7
	128 - 143	Macro 8
	144 - 159	Macro 9
	160 - 175	Macro 10
	176 - 191	Macro 11
	192 - 207	Macro 12
	208 - 223	Macro 13
224 - 239	Macro 14	
240 - 255	Macro 15	
26		<b>PIXEL MACRO SPEED</b>
	0 - 255	Select speed from fast to slow
27		<b>PIXEL OFFSET</b>
	0 - 255	Select Pixel macro offset

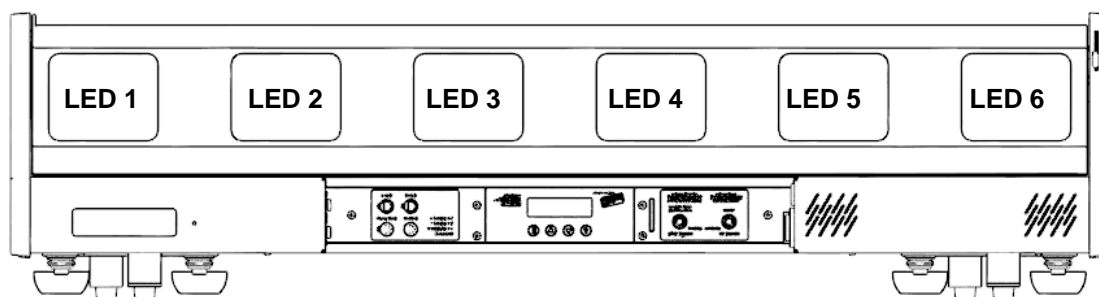
CHANNEL	DMX Value	Function
28		<b>MIRROR MACRO</b>
	0 - 15	Macro OFF
	16 - 31	Macro 1
	32 - 47	Macro 2
	48 - 63	Macro 3
	64 - 79	Macro 4
	80 - 95	Macro 5
	96 - 111	Macro 6
	112 - 127	Macro 7
	128 - 143	Macro 8
	144 - 159	Macro 9
	160 - 175	Macro 10
	176 - 191	Macro 11
	192 - 207	Macro 12
	208 - 223	Macro 13
	224 - 239	Macro 14
240 - 255	Macro 15	
29		<b>MIRROR MACRO SPEED</b>
	0 - 255	Select speed from fast to slow
30		<b>MIRROR OFFSET</b>
	0 - 255	Select Mirrors macro offset

## PIXEL ENGINE CHANNEL FUNCTION

Pixel Engine need to be enabled through the function parameter (bit 103-105)

CHANNEL		DMX Value	Function
RGB	RGBW		
1	1		<b>RED LED 1</b>
		0 - 255	Red Led 1 linearly increase from no-light to maximum intensity
2	2		<b>GREEN LED 1</b>
		0 - 255	Green Led 1 linearly increase from no-light to maximum intensity
3	3		<b>BLUE LED 1</b>
		0 - 255	Blue Led 1 linearly increase from no-light to maximum intensity
-	4		<b>WHITE LED 1</b>
		0 - 255	White Led 1 linearly increase from no-light to maximum intensity
⋮	⋮	⋮	⋮
16	21		<b>RED LED 6</b>
		0 - 255	Red Led 6 linearly increase from no-light to maximum intensity
17	22		<b>GREEN LED 6</b>
		0 - 255	Green Led 6 linearly increase from no-light to maximum intensity
18	23		<b>BLUE LED 6</b>
		0 - 255	Blue Led 6 linearly increase from no-light to maximum intensity
-	24		<b>WHITE LED 6</b>
		0 - 255	White Led 6 linearly increase from no-light to maximum intensity

**OPTION LED SWAP →OFF**



NOTE: With the Option LED SWAP ON the LEDs sequence is inverted