

OPERATING MODE

The Fixture has one single operating mode that take 39 DMX channels.








DMX Parameter number	FUNCTION
1	CYAN
2	MAGENTA
3	YELLOW
4	CTO
5	COLOR FUNCTION
6	COLOR WHEEL
7	STROBE
8	DIMMER
9	DIMMER FINE
10	IRIS
11	STATIC GOBO WHEEL
12	ROTATING GOBO INSERTION
13	GOBO ROTATION
14	GOBO ROTATION FINE
15	PRISM INSERTION
16	PRISM ROTATION
17	ANIMATION WHEEL INSERTION
18	ANIMATION WHEEL ROTATION
19	FROST 1
20	FROST 2







DMX Parameter number	FUNCTION
21	FOCUS
22	ZOOM
23	FRAMING BLADE 1 MOVEMENT
24	FRAMING BLADE 1 SWIVELLING
25	FRAMING BLADE 2 MOVEMENT
26	FRAMING BLADE 2 SWIVELLING
27	FRAMING BLADE 3 MOVEMENT
28	FRAMING BLADE 3 SWIVELLING
29	FRAMING BLADE 4 MOVEMENT
30	FRAMING BLADE 4 SWIVELLING
31	FRAMING ROTATION
32	FRAMING MACRO
33	FRAMING MACRO SPEED
34	PAN
35	PAN FINE
36	TILT
37	TILT FINE
38	RESET
39	FUNCTION
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DMX Parameter	Bit Values	Function
1	000 – 255	CYAN Linear 0 – 100% from white to full (Colour Mixing → CMY) Linear 0 – 100% from full to white (Colour Mixing → RGB)
2	000 – 255	MAGENTA Linear 0 – 100% from white to full (Colour Mixing → CMY) Linear 0 – 100% from full to white (Colour Mixing → RGB)
3	000 – 255	YELLOW Linear 0 – 100% from white to full (Colour Mixing → CMY) Linear 0 – 100% from full to white (Colour Mixing → RGB)
4	000 – 255	CTO Linear 0 – 100% from white to full
5		COLOUR Function
	000 – 085	Full Colour
	086 – 170	Half Colour
	171 – 255	Linear Path

<i>DMX Parameter</i>	<i>Bit Values</i>	<i>Function</i>
6		COLOR WHEEL
		FULL COLOR
	000 – 009	Empty position
	010 – 019	Dark Red
	020 – 029	Brilliant Blue
	030 – 039	Deep Green
	040 – 049	CRI-4
	050 – 059	Dark Orange
	060 – 069	Navy Blue
		HALF COLOR
	000 – 004	Empty position
	005 – 009	Empty + Dark Red
	010 – 014	Dark Red
	015 – 019	Dark Red + Brilliant Blue
	020 – 024	Brilliant Blue
	025 – 029	Brilliant Blue + Deep Green
	030 – 034	Deep Green
	035 – 039	Deep Green + CRI-4
	040 – 044	CRI-4
	045 – 049	CRI-4 + Dark Orange
	050 – 054	Dark Orange
	055 – 059	Dark Orange + Navy Blue
	060 – 064	Navy Blue
	065 – 069	Navy Blue + Empty
		STEP COLOR
	000 – 009	Empty position
	010 – 019	Dark Red
	020 – 029	Brilliant Blue
	030 – 039	Deep Green
	040 – 049	CRI-4
	050 – 059	Dark Orange
	060 – 069	Navy Blue
070 – 127	CW rotation from slow to fast	
128 – 255	Index (position from 0° to 360°)	

<i>DMX Parameter</i>	<i>Bit Values</i>	<i>Function</i>
7		STROBE
	000 – 003	Closed
	004 – 103	Linear Strobe from slow (1 flash/sec) to fast (25 flashes/sec)
	104 – 107	Open
	108 – 207	Linear Pulse from slow to fast
	208 – 212	Open
	213 – 225	Random Strobe at low frequency
	226 – 238	Random Strobe at medium frequency
	239 – 251	Random Strobe at high frequency
	252 – 255	Open
8	000 – 255	DIMMER Linear Dimmer 0-100%
9	000 – 255	DIMMER FINE (16 bit)
10		IRIS
	000 – 127	Linear Open from Min. to Max.
	128 – 131	Open
	132 – 171	Pulse from slow to fast
	172 – 211	Pulse from slow to fast - instant opening
	212 – 251	Pulse from slow to fast - instant closing
		252 – 255

<i>DMX Parameter</i>	<i>Bit Values</i>	<i>Function</i>
11		STATIC GOBO CHANGE
	000 - 008	Open
	009 - 017	Gobo 1 
	018 - 026	Gobo 2 
	027 - 035	Gobo 3 
	036 - 044	Gobo 4 
	045 - 053	Gobo 5 
	054 - 062	Gobo 6 
	063 - 071	Gobo 7 
	072 - 113	Linear CCW wheel rotation from fast to slow
	114 - 117	Stop
	118 - 159	Linear CW wheel rotation from slow to fast
	160 - 173	Gobo 1 shakes from slow to fast
	174 - 187	Gobo 2 shakes from slow to fast
	188 - 200	Gobo 3 shakes from slow to fast
	201 - 214	Gobo 4 shakes from slow to fast
	215 - 227	Gobo 5 shakes from slow to fast
	228 - 241	Gobo 6 shakes from slow to fast
242 - 255	Gobo 7 shakes from slow to fast	

DMX Parameter	Bit Values	Function
12		ROTATING GOBO CHANGE
	000 – 010	Open
	011 – 020	Gobo 1 
	021 – 030	Gobo 2 
	031 – 040	Gobo 3 
	041 – 050	Gobo 4 
	051 – 060	Gobo 5 
	061 – 071	Gobo 6 
	072 – 113	Linearly CW wheel rotation from fast to slow
	114 – 117	Stop
	118 – 159	Linearly CCW wheel rotation from slow to fast
	160 – 175	Gobo 1 shakes from slow to fast
	176 – 191	Gobo 2 shakes from slow to fast
	192 – 207	Gobo 3 shakes from slow to fast
	208 – 223	Gobo 4 shakes from slow to fast
	224 – 239	Gobo 5 shakes from slow to fast
	240 – 255	Gobo 6 shakes from slow to fast

DMX Parameter	Bit Values	Function
13		GOBO ROTATION
	000 – 127	Index 0° - 540°
	128 – 190	Linear CW rotation from fast to slow
	191 – 192	Stop
	193 – 255	Linear CCW rotation from slow to fast
14	000 – 255	FINE GOBO ROTATION
15		PRISM
	000 – 127	Open
	128 – 255	4 facet Prism inserted
16		PRISM ROTATION
	000 – 127	Index 0° - 540°
	128 – 190	Linear CW rotation from fast to slow
	191 – 192	Stop
	193 – 255	Linear CCW rotation from slow to fast
17		ANIMATION WHEEL
	000 – 007	Open
	008 – 255	Linear insertion
18		ANIMATION WHEEL ROTATION
	000 – 003	Stop
	004 – 127	Linear CCW rotation from slow to fast
	128 – 131	Stop
	132 – 255	Linear CW rotation from slow to fast
19	000 – 255	HEAVY FROST
20	000 – 255	LIGHT FROST
21	000 – 255	FOCUS

DMX Parameter	Bit Values	Function
22	000 – 255	ZOOM Linear
23	000 – 255	BLADE 1 - Linear Insertion
24		BLADE 1 - Linear Swivelling
	000 – 127	Swivelling from - 25° to 0°
	128	0° Default
	129 – 255	Swivelling from 0° to +25°
25	000 – 255	BLADE 2 - Linear Insertion
26		BLADE 2 - Linear Swivelling
	000 – 127	Swivelling from - 25° to 0°
	128	0° Default
	129 – 255	Swivelling from 0° to +25°
27	000 – 255	BLADE 3 - Linear Insertion
28		BLADE 3 - Linear Swivelling
	000 – 127	Swivelling from - 25° to 0°
	128	0° Default
	129 – 255	Swivelling from 0° to +25°
29	000 – 255	BLADE 4 - Linear Insertion
30		BLADE 4 - Linear Swivelling
	000 – 127	Swivelling from - 25° to 0°
	128	0° Default
	129 – 255	Swivelling from 0° to +25°
31		FRAMING ROTATION
	000 – 127	Linear rotation CCW
	128	Middle
	129 – 255	Linear rotation CW

<i>DMX Parameter</i>	<i>Bit Values</i>	<i>Function</i>
32		FRAMING MACRO
	000 – 003	OFF
	004 – 011	Macro 1
	012 – 018	Macro 2
	019 – 025	Macro 3
	026 – 032	Macro 4
	033 – 039	Macro 5
	040 – 047	Macro 6
	048 – 054	Macro 7
	055 – 061	Macro 8
	062 – 068	Macro 9
	069 – 075	Macro 10
	076 – 082	Macro 11
	083 – 090	Macro 12
	091 – 097	Macro 13
	098 – 104	Macro 14
	105 – 111	Macro 15
	112 – 118	Macro 16
	119 – 125	Macro 17
	126 – 133	Macro 18
	134 – 140	Macro 19
	141 – 147	Macro 20
	148 – 154	Macro 21
	155 – 161	Macro 22
	162 – 168	Macro 23
	169 – 176	Macro 24
	177 – 183	Macro 25
	184 – 190	Macro 26
	191 – 197	Macro 27
	198 – 204	Macro 28
	205 – 211	Macro 29
	212 – 219	Macro 30
	220 – 226	Macro 31
	227 – 233	Macro 32
	234 – 240	Macro 33
241 – 247	Macro 34	
248 – 255	Macro 35	

DMX Parameter	Bit Values	Function
33	000 – 255	FRAMING MACRO SPEED Macro Speed from Slow to Fast
34	000 – 255	PAN CCW Pan 0° - 540° (Invert Pan: On)
35	000 – 255	CCW PAN FINE
36	000 – 255	TILT CW Tilt 0° - 270° (Invert Tilt: Off)
37	000 – 255	CCW TILT FINE
38		RESET The reset is activated staying in the range for 5 seconds
	000 – 025	Unused range
	026 – 076	Effects reset
	077 – 127	Pan / Tilt reset
	128 – 255	Complete fixture reset
39		FUNCTION
	000 – 080	Unused range
	081 – 090	Fan mode: 1200W Constant
	091 – 100	Fan mode: 1200W Auto (Default)
	101 – 110	Fan mode: 1000W Constant TBD
	111 – 120	Fan mode: 1000W Auto TBD
	121 – 130	Fan mode: 800W Constant TBD
	131 – 140	Fan mode: 800W Auto TBD
	141 – 150	Fan mode: 600W Constant TBD
	151 – 160	Fan mode: 600W Auto TBD
	161 – 170	Fan mode: 400W Constant TBD
	171 – 180	Fan mode: 400W Auto TBD
	181 – 190	Fan mode: Theatre
	191 – 200	Pan/Tilt Slow speed
	201 – 210	Pan/Tilt Medium speed
	211 – 220	Pan/Tilt Fast speed - Default
	221 – 230	CMY Normal speed
	231 – 240	CMY Fast speed - Default
	241 – 246	Display OFF - Default
	247 – 252	Display ON
253 – 255	Unused range	
		IMPORTANT: Functions activated holding down 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 other's during transport, before switching the fixture OFF, check that all the DMX parameters have been excluded (DMX level @0 bit).

DIMMER CURVE GRAPHIC

