



OPERATING MODE

The Fixture has one operating modes:
Standard mode that takes 43 DMX channels.



Arolla Aqua HP

DMX Channels

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Standard Mode	FUNCTION
1	CYAN
2	MAGENTA
3	YELLOW
4	CTO
5	COLOUR WHEEL 1
6	COLOUR WHEEL 2
7	STROBE
8	DIMMER
9	DIMMER FINE
10	IRIS
11	ROTATING GOBO 1 INSERTION
12	GOBO 1 ROTATION
13	GOBO 1 ROTATION FINE
14	ROTATING GOBO 2 INSERTION
15	GOBO 2 ROTATION
16	GOBO 2 ROTATION FINE
17	PRISM INSERTION
18	PRISM ROTATION
19	ANIMATION WHEEL INSERTION
20	ANIMATION WHEEL ROTATION
21	FROST
22	FOCUS
23	FOCUS FINE
24	ZOOM
25	ZOOM FINE
26	FRAMING BLADE 1 MOVEMENT
27	FRAMING BLADE 1 SWIVELLING
28	FRAMING BLADE 2 MOVEMENT
29	FRAMING BLADE 2 SWIVELLING
30	FRAMING BLADE 3 MOVEMENT
31	FRAMING BLADE 3 SWIVELLING



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Standard Mode	FUNCTION
32	FRAMING BLADE 4 MOVEMENT
33	FRAMING BLADE 4 SWIVELLING
34	FRAMING ROTATION
35	FRAMING MACRO
36	FRAMING MACRO SPEED
37	PAN
38	PAN FINE
39	TILT
40	TILT FINE
41	RESET
42	FUNCTION
43	TINT

DMX CHART

Standard Mode	Bit Values	Function
1	000 – 255	CYAN
		Linear 0 – 100% from white to full
2	000 – 255	MAGENTA
		Linear 0 – 100% from white to full
3	000 – 255	YELLOW
		Linear 0 – 100% from white to full
4	000 – 255	CTO
		Linear 0 – 100% from white to full
5		COLOUR WHEEL 1
	000 – 004	White
	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 + Empty
	060 – 127	CW rotation from slow to fast
128 – 255	Linear colour insertion.	
6		COLOUR WHEEL 2
	000 – 004	White
	005 – 009	Empty + Navy Blue
	010 – 014	Navy Blue
	015 – 019	Navy Blue + Ambra Dorato
	020 – 024	Ambra Dorato
	025 – 029	Ambra Dorato + Pink
	030 – 034	Pink
	035 – 039	Pink + CTB
	040 – 044	CTB
	045 – 049	CTB + CTO 3200K
	050 – 054	CTO 3200K
	055 – 059	CTO 3200K + Empty
	060 – 127	CW rotation from slow to fast
128 – 255	Linear colour insertion.	

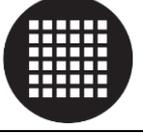
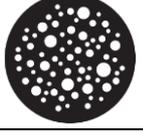
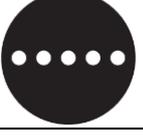


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<i>Standard Mode</i>	<i>Bit Values</i>	<i>Function</i>
7		STROBE
	000 – 003	Closed
	004 – 103	Linear Strobe from slow (1 flash/sec) to fast (25 flashes/sec)
	104 – 107	Open
	108 – 207	Linear Pulse from slow to fast
	208 – 212	Open
	213 – 225	Random 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	Open

Standard Mode	Bit Values	Function		
11		ROTATING GOBO WHEEL 1		
	000 – 005	Open		
	006 – 011	Gobo 1		
	012 – 017	Gobo 2		
	018 – 022	Gobo 3		
	023 – 028	Gobo 4		
	029 – 034	Gobo 5		
	035 – 040	Gobo 6		
	041 – 058	Gobo 1 shakes from slow to fast		
	059 – 075	Gobo 2 shakes from slow to fast		
	076 – 093	Gobo 3 shakes from slow to fast		
	094 – 110	Gobo 4 shakes from slow to fast		
	111 – 127	Gobo 5 shakes from slow to fast		
	128 – 145	Gobo 6 shakes from slow to fast		
	146 – 200	Linear CW wheel rotation from fast to slow		
	201 – 255	Linear CCW wheel rotation from slow to fast		
	12		GOBO 1 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		
13	000 – 255	FINE GOBO 1 ROTATION		

Standard Mode	Bit Values	Function		
14		ROTATING GOBO WHEEL 2		
	000 – 005	Open		
	006 – 011	Gobo 1		
	012 – 017	Gobo 2		
	018 – 022	Gobo 3		
	023 – 028	Gobo 4		
	029 – 034	Gobo 5		
	035 – 040	Gobo 6		
	041 – 058	Gobo 1 shakes from slow to fast		
	059 – 075	Gobo 2 shakes from slow to fast		
	076 – 093	Gobo 3 shakes from slow to fast		
	094 – 110	Gobo 4 shakes from slow to fast		
	111 – 127	Gobo 5 shakes from slow to fast		
	128 – 145	Gobo 6 shakes from slow to fast		
	146 – 200	Linear CW wheel rotation from fast to slow		
	201 – 255	Linear CCW wheel rotation from slow to fast		
	15		GOBO 2 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		
16	000 – 255	FINE GOBO 2 ROTATION		
17		PRISM		
	000 – 000	Open		
	001 – 127	4 facet Prism inserted		
	128 – 128	Open		
	129 – 254	Linear Prism inserted		
	255 – 255	Open		

Standard Mode	Bit Values	Function
18		PRISM ROTATION
	000 – 127	Index 0° - 540°
	128 – 190	Linear CW rotation from fast to slow
	191 – 192	Stop
19	193 – 255	Linear CCW rotation from fast to slow
		ANIMATION WHEEL
	000 – 007	Open
20	008 – 255	Linear insertion
		ANIMATION WHEEL ROTATION
	000 – 003	Stop
	004 – 127	Linear CCW rotation from slow to fast
21	128 – 131	Stop
	132 – 255	Linear CW rotation from slow to fast
		FROST
22	000 – 255	FOCUS Linear far to near
23	000 – 255	FOCUS FINE
24	000 – 255	ZOOM Linear wide to narrow
25	000 – 255	ZOOM FINE
26	000 – 255	BLADE 1 - Linear Insertion
27		BLADE 1 - Linear Swivelling
	000 – 127	Swivelling from - 25° to 0°
	128	0° Default
28	129 – 255	Swivelling from 0° to +25°
		BLADE 2 - Linear Insertion
29		BLADE 2 - Linear Swivelling
	000 – 127	Swivelling from - 25° to 0°
	128	0° Default
30	129 – 255	Swivelling from 0° to +25°
		BLADE 3 - Linear Insertion
31		BLADE 3 - Linear Swivelling
	000 – 127	Swivelling from - 25° to 0°
	128	0° Default
32	129 – 255	Swivelling from 0° to +25°
		BLADE 4 - Linear Insertion
33		BLADE 4 - Linear Swivelling
	000 – 127	Swivelling from - 25° to 0°
	128	0° Default
	129 – 255	Swivelling from 0° to +25°



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Standard Mode	Bit Values	Function
34		FRAMING ROTATION
	000 – 127	Linear rotation CCW
	128	Middle
	129 – 255	Linear rotation CW
35		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	



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Standard Mode	Bit Values	Function
36	000 – 255	FRAMING MACRO SPEED Macro Speed from Slow to Fast
37	000 – 255	PAN CCW 0° - 540° (Invert Pan: On)
38	000 – 255	PAN FINE
39	000 – 255	TILT
40	000 – 255	TILT FINE
41		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

Standard Mode	Bit Values	Function
42		FUNCTION
	000 – 005	Home-Zero
	006 – 011	Led Frequency 600Hz
	012 – 017	Led Frequency 1200Hz
	018 – 022	Led Frequency 2000Hz
	023 – 028	Led Frequency 4000Hz
	029 – 034	Led Frequency 6000Hz
	035 – 040	Led Frequency 20000Hz (Default)
	041 – 050	Dimmer curve 1 (Default)
	051 – 060	Dimmer curve 2
	061 – 070	Dimmer curve 3
	071 – 075	Dimmer curve 4
	076 – 080	Dimmer curve 5
	081 – 090	Fan mode: Constant
	091 – 100	Fan mode: Auto (Default)
	101 – 110	Fan mode: SLN
	111 – 120	Fan mode: Theatre
	121 – 125	Sunsafe OFF
	126 – 130	Sunsafe ON (Default)
	131 – 135	Dimmer Fade OFF
136 – 140	Dimmer Fade ON (Default)	
141 – 160	Unused range	
151 – 155	Absolute Position OFF	
156 – 160	Absolute Position ON (Default)	
161 – 165	P/T Disable OFF (Default)	
166 – 170	P/T Disable ON	
171 – 180	P/T Smooth OFF	
181 – 190	P/T Smooth ON (Default)	
191 – 195	Pan/Tilt Slow Speed	
196 – 200	Pan/Tilt Medium Speed	
201 – 205	Pan/Tilt Fast Speed (Default)	
206 – 210	Pan/Tilt Follow Spot Speed	
211 – 215	Zoom/Focus Speed STD (Default)	
216 – 220	Zoom/Focus Speed Boost	
221 – 230	CMY Normal speed	
231 – 240	CMY Fast speed (Default)	
241 – 246	Display OFF (Default)	
247 – 252	Display ON	
253 – 255	Default Recall setting IMPORTANT: This function is activated passing through the “Home-Zero” (000-005) and stay in the range (253-255) for 5 seconds.	
43		TINT
	000 – 000	No filter
	001 – 126	Minus Half Green → Neutral
	127 – 128	Neutral
	129 – 255	Neutral → Plus Half Green

IMPORTANT:
Functions activated staying in the necessary level for 3 seconds

IMPORTANT NOTE

To preserve the LED engine, it is recommended 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).

