



OPERATING MODE

The Fixture has one single operating mode that take 30 DMX channels.



Arolla Aqua Wash HC

DMX-Channels

02/2026

DMX Parameter number	FUNCTION
1	CYAN
2	MAGENTA
3	YELLOW
4	CTO
5	COLOR WHEEL
6	STROBE
7	DIMMER
8	DIMMER FINE
9	LED TINT
10	TINT
11	LED CTC
12	IRIS
13	ZOOM & FOCUS
14	FOCUS
15	FOCUS FINE

DMX Parameter number	FUNCTION
16	ZOOM
17	ZOOM FINE
18	FRAMING BLADE 1 MOVEMENT
19	FRAMING BLADE 2 MOVEMENT
20	FRAMING BLADE 3 MOVEMENT
21	FRAMING BLADE 4 MOVEMENT
22	FRAMING ROTATION
23	FRAMING MACRO
24	FRAMING MACRO SPEED
25	PAN
26	PAN FINE
27	TILT
28	TILT FINE
29	RESET
30	FUNCTION



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Standard Mode	Default Value	Bit Values	Function
1	000	000 – 255	CYAN
			Linear 0 – 100% from white to full
2	000	000 – 255	MAGENTA
			Linear 0 – 100% from white to full
3	000	000 – 255	YELLOW
			Linear 0 – 100% from white to full
4	000	000 – 255	CTO
			Linear from Warm to Cool
5	000		COLOUR WHEEL
		000 – 004	White
		005 – 008	White + Dark Red
		009 – 013	Dark Red
		014 – 017	Dark Red + Navy Blue
		018 – 021	Navy Blue
		022 – 026	Navy Blue + Deep Green
		027 – 030	Deep Green
		031 – 034	Deep Green + Golden Amber
		035 – 039	Golden Amber
		040 – 043	Golden Amber + Brilliant Blue
		044 – 048	Brilliant Blue
		049 – 052	Brilliant Blue + Dark Orange
		053 – 056	Dark Orange
		057 – 061	Dark Orange + CTB
		062 – 065	CTB
		066 – 069	CTB + White
070 – 127	CW rotation from slow to fast		
128 – 255	Linear colour insertion.		
6	104		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
7	000	000 – 255	DIMMER
			Linear Dimmer 0-100%
8	000	000 – 255	DIMMER FINE (16 bit)



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Standard Mode	Default Value	Bit Values	Function
9	000		LED TINT
		000	OFF
		001 – 126	Linear from -1/8 to Neutral
		127 – 128	Neutral
		129 – 255	Linear from Neutral to +1/8
10	000		TINT
		000	OFF
		001 – 126	Linear from -1/2 to Neutral
		127 – 128	Neutral
		129 – 255	Linear from Neutral to +1/2
11	000		LED CTC
		000	OFF
		001 – 255	Linear from Warm to Cool
12	128		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
13	000	000 – 255	ZOOM & FOCUS
14	000	000 – 255	FOCUS
15	000	000 – 255	FOCUS FINE
16	000	000 – 255	ZOOM Linear wide to narrow
17	000	000 – 255	ZOOM FINE
18	000	000 – 255	BLADE 1 - Linear Insertion
19	000	000 – 255	BLADE 2 - Linear Insertion
20	000	000 – 255	BLADE 3 - Linear Insertion
21	000	000 – 255	BLADE 4 - Linear Insertion
22	128		FRAMING ROTATION
		000 – 127	Linear rotation CCW
		128	Middle
		129 – 255	Linear rotation CW



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Standard Mode	Default Value	Bit Values	Function
23	000		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		
24	000		FRAMING MACRO SPEED
		000 – 255	Macro Speed from Slow to Fast
25	128	000 – 255	PAN
26	000	000 – 255	PAN FINE
27	128	000 – 255	TILT
28	000	000 – 255	TILT FINE



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Standard Mode	Default Value	Bit Values	Function
29	000		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
30	000		FUNCTION
		000 – 005	Unused range
		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 – 125	Dimmer Fade OFF
		136 – 140	Dimmer Fade ON (Default)
		141 – 150	Unused range
		151 – 155	Focus Unlocked (Default)
		156 – 160	Focus Locked
		161 – 165	Focus Lock when CMY insert
		166 – 170	Focus Fade Lock when CMY insert
		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 “Unused range” (000-005) and stay in the range (253-255) for 5 seconds.		

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).

