

# ADJ HYDRO PROFILE - DMX TRAITS

CHANNEL			DMX VALUE	FUNCTION
36 CH	50 CH	57 CH		
1	1	1	000 - 255	<b>Pan Pan</b> Movement (540/630)
	2	2	000 - 255	<b>Pan Fine</b> Pan Fine
2	3	3	000 - 255	<b>Tilt Tilt</b> Movement (270)
	4	4	000 - 255	<b>Tilt Fine</b> Tilt Fine
3	5	5	000 - 255	<b>Cyan</b> 0% to 100%
		6	000 - 255	<b>Cyan Fine</b> 0% to 100%
4	6	7	000 - 255	<b>Magenta</b> 0% to 100%
		8	000 - 255	<b>Magenta Fine</b> 0% to 100%
5	7	9	000 - 255	<b>Yellow</b> 0% to 100%
		10	000 - 255	<b>Yello Fine</b> 0% to 100%
6	8	11	000 - 255	<b>CTO</b> 0% to 100%
		12	000 - 255	<b>CTO Fine</b> 0% to 100%
				<b>White Color Temperature Presets</b>
7	9	13	000 - 023	Open
			024 - 076	White Color Temperature Presets, see White Color Temperature Chart
			077 - 255	7500K
				<b>Color Wheel (Snap)</b>
			000 - 004	Open
			005 - 017	Open / Red
			018 - 030	Red
			031 - 043	Red / Medium Blue
			044 - 056	Medium Blue
			057 - 069	Medium Blue / Green
			070 - 082	Green
			083 - 095	Green / Amber
			096 - 108	Amber
			109 - 121	Amber / Orange
			122 - 134	Orange
			135 - 147	Orange / High CRI Filter
			148 - 160	High CRI Filter
			161 - 173	High CRI Filter / CTB
			174 - 186	CTB
			187 - 199	CTB / Open
			200 - 226	Clockwise Color Wheel Rotation, Fast -> Slow
			227 - 228	No Rotation
			229 - 255	Counter Clockwise Color Wheel Rotation, Slow -> Fast
				<b>Color Wheel (Index)</b>
			000 - 000	Open
			001 - 029	Open> Red
			030 - 030	Red
			031 - 055	Red > Medium Blue
			056 - 056	Medium Blue
			057 - 078	Medium Blue >Green
			079 - 079	Green
			080 - 105	Green >Amber
			106 - 106	Amber
			107 - 127	Amber >Orange
			128 - 128	Orange
			129 - 152	Orange>High CRI Filter
			153 - 153	High CRI Filter
			154 - 173	High CRI Filter >CTB
			174 - 174	CTB
			175 - 198	CTB >Open
			199 - 199	Open
			200 - 226	Clockwise Color Wheel Rotation, Fast -> Slow
			227 - 228	No Rotation
			229 - 255	Counter Clockwise Color Wheel Rotation, Slow -> Fast

# DMX TRAITS

CHANNEL			DMX VALUE	FUNCTION
36 CH	50 CH	57 CH		
11	11	15		<b>Color Macros - CMY and Color Wheel</b>
			000 - 031	Off
			032 - 039	Macro1
			040 - 047	Macro2
			048 - 055	Macro3
			056 - 063	Macro4
			064 - 071	Macro5
			072 - 079	Macro6
			080 - 087	Macro7
			088 - 095	Macro8
			096 - 103	Macro9
			104 - 111	Macro10
			112 - 119	Macro11
			120 - 127	Macro12
			128 - 135	Macro13
			136 - 143	Macro14
			144 - 151	Macro15
			152 - 159	Macro16
			160 - 167	Macro17
			168 - 175	Macro18
			176 - 183	Macro19
			184 - 191	Macro20
			192 - 199	Macro21
			200 - 207	Macro22
			208 - 215	Macro23
			216 - 223	Macro24
			224 - 231	Macro25
			232 - 239	Macro26
240 - 247	Macro27			
248 - 255	Random CMY			
9	12	16		<b>Gobo Wheel 1</b>
			000 - 009	Open
			010 - 019	Gobo 1
			020 - 029	Gobo 2
			030 - 039	Gobo 3
			040 - 049	Gobo 4
			050 - 059	Gobo 5
			060 - 069	Gobo 6
			070 - 079	Gobo 7
			080 - 094	Gobo 1 Shake, slow to fast
			095 - 109	Gobo 2 Shake, slow to fast
			110 - 124	Gobo 3 Shake, slow to fast
			125 - 139	Gobo 4 Shake, slow to fast
			140 - 154	Gobo 5 Shake, slow to fast
			155 - 169	Gobo 6 Shake, slow to fast
			170 - 189	Gobo 7 Shake, slow to fast
			190 - 221	Clockwise Gobo Wheel Rotation, fast to slow
222 - 223	No Rotation			
224 - 255	Counter-Clockwise Gobo Wheel Rotation, slow to fast			

# DMX TRAITS

CHANNEL			DMX VALUE	FUNCTION
36 CH	50 CH	57 CH		
10	13	17		<b>Gobo 1 Rotation</b>
			000 - 005	Gobo 1 Rotation Off
			006 - 128	Gobo Index, 0°...540°
			129 - 191	Clockwise Gobo Rotation, fast to slow
			192	No Rotation
			193 - 255	Counter-Clockwise Gobo Rotation, slow to fast
		18	000 - 255	<b>Gobo 1 Rotation Fine</b>
11	14	19		<b>Gobo Wheel 2</b>
			000 - 005	Open
			006 - 014	Gobo 1
			015 - 023	Gobo 2
			024 - 032	Gobo 3
			033 - 041	Gobo 4
			042 - 050	Gobo 5
			051 - 059	Gobo 6
			060 - 068	Gobo 7
			069 - 077	Gobo 8
			078 - 091	Gobo 1 Shake, slow to fast
			092 - 105	Gobo 2 Shake, slow to fast
			106 - 119	Gobo 3 Shake, slow to fast
			120 - 133	Gobo 4 Shake, slow to fast
			134 - 147	Gobo 5 Shake, slow to fast
			148 - 161	Gobo 6 Shake, slow to fast
			162 - 175	Gobo 7 Shake, slow to fast
			176 - 189	Gobo 8 Shake, slow to fast
190 - 221	Clockwise Gobo Wheel Rotation, fast to slow			
222 - 223	No Rotation			
224 - 255	Counter-Clockwise Gobo Wheel Rotation, slow to fast			
12	15	20		<b>Shutter</b>
			000 - 031	Shutter Closed
			032 - 063	Shutter Open
			064 - 095	Strobe, slow to fast
			096 - 127	Shutter Open
			128 - 159	Pulse Effect, slow to fast
			160 - 191	Shutter Open
			192 - 223	Random Strobe, slow to fast
224 - 255	Shutter Open			
13	16	21	000 - 255	<b>Dimmer Intensity, 0% to 100%</b>
	17	22	000 - 255	<b>Dimmer Intensity Fine</b>

# DMX TRAITS

CHANNEL			DMX VALUE	FUNCTION
36 CH	50 CH	57 CH		
14	18	23		<b>Prisms and Prism/Gobo Macros</b>
			000 - 005	No Prism (Open)
			006 - 066	Prism 1 (6 Linear Prism)
			067 - 127	Prism 2 (4 Facet Prism)
			128 - 135	Macro1
			136 - 143	Macro2
			144 - 151	Macro3
			152 - 159	Macro4
			160 - 167	Macro5
			168 - 175	Macro6
			176 - 183	Macro7
			184 - 191	Macro8
			192 - 199	Macro9
			200 - 207	Macro10
			208 - 215	Macro11
			216 - 223	Macro12
			224 - 231	Macro13
232 - 239	Macro14			
240 - 247	Macro15			
248 - 255	Macro16			
15	19	24		<b>Prism Rotation</b>
			000 - 005	Prism Rotation Off
			006 - 128	Prism Indexing, 0°...540°
			129 - 191	Clockwise Prism Rotation, fast to slow
			192	No Rotation
193 - 255	Counter-Clockwise Prism Rotation, slow to fast			
16	20	25	000 - 255	<b>Focus</b> , 0% to 100%
		26	000 - 255	<b>Focus Fine</b> , 0% to 100%
17	21	27	000 - 255	<b>Zoom</b> , narrow to wide
		28	000 - 255	<b>Zoom Fine</b> , narrow to wide
18	22	29		<b>Iris</b>
			000 - 225	<b>Open to Close</b>
			226 - 235	<b>Pulse Up</b> , slow to fast
			236 - 245	<b>Pulse Down</b> , slow to fast
		246 - 255	<b>Random Effect</b> , slow to fast	
19	23	30	000 - 255	<b>Medium Frost</b> , 0% to 100%
20	24	31	000 - 255	<b>Heavy Frost</b> , 0% to 100%
21	25	32		<b>Animation</b>
			000 - 005	Animation Rot. OFF
			006 - 128	Animation Index 0 ... 540°
			129 - 191	Clockwise Animation Rotation, Fast -> Slow
			192	No Rotation
193 - 255	Counter Clockwise Animation Rotation, Slow-> Fast			

# DMX TRAITS

CHANNEL			DMX VALUE	FUNCTION
36 CH	50 CH	57 CH		
22	26	33	000 - 255	<b>Blade 1A</b> , 0% to 100%
	27	34	000 - 255	<b>Blade 1A Fine</b> , 0% to 100%
23	28	35	000 - 255	<b>Blade 1B</b> , 0% to 100%
	29	36	000 - 255	<b>Blade 1B Fine</b> , 0% to 100%
24	30	37	000 - 255	<b>Blade 2A</b> , 0% to 100%
	31	38	000 - 255	<b>Blade 2A Fine</b> , 0% to 100%
25	32	39	000 - 255	<b>Blade 2B</b> , 0% to 100%
	33	40	000 - 255	<b>Blade 2B Fine</b> , 0% to 100%
26	34	41	000 - 255	<b>Blade 3A</b> , 0% to 100%
	35	42	000 - 255	<b>Blade 3A Fine</b> , 0% to 100%
27	36	43	000 - 255	<b>Blade 3B</b> , 0% to 100%
	37	44	000 - 255	<b>Blade 3B Fine</b> , 0% to 100%
28	38	45	000 - 255	<b>Blade 4A</b> , 0% to 100%
	39	46	000 - 255	<b>Blade 4A Fine</b> , 0% to 100%
29	40	47	000 - 255	<b>Blade 4B</b> , 0% to 100%
	41	48	000 - 255	<b>Blade 4B Fine</b> , 0% to 100%
30	42	49	000 - 255	<b>Frame Rotation</b> , 0° to 120°
	43	50	000 - 255	<b>Frame Rotation Fine</b> , 0% to 100%
31	44	51	000 - 255	<b>Frame Speed</b> , max to min
				<b>Frame Macros</b> , refer to Frame Macros Chart section of this manual
			000 - 007	Off
			008 - 015	Macro 1
			016 - 023	Macro 2
			024 - 031	Macro 3
			032 - 039	Macro 4
			040 - 047	Macro 5
			048 - 055	Macro 6
			056 - 063	Macro 7
			064 - 071	Macro 8
			072 - 079	Macro 9
			080 - 087	Macro 10
			088 - 095	Macro 11
			096 - 103	Macro 12
			104 - 111	Macro 13
			112 - 119	Macro 14
32	45	52	120 - 127	Macro 15
			128 - 135	Macro 16
			136 - 143	Macro 17
			144 - 151	Macro 18
			152 - 159	Macro 19
			160 - 167	Macro 20
			168 - 175	Macro 21
			176 - 183	Macro 22
			184 - 191	Macro 23
			192 - 199	Macro 24
			200 - 207	Macro 25
			208 - 215	Macro 26
			216 - 223	Macro 27
			224 - 231	Macro 28
			232 - 239	Macro 29
			240 - 247	Macro 30
			248 - 255	Macro 31

# DMX TRAITS

CHANNEL			DMX VALUE	FUNCTION
36 CH	50 CH	57 CH		
33	46	53		<b>Dimmer Mode</b>
			000 - 020	Default to Unit Setting
			021 - 040	Standard
			041 - 060	Stage
			061 - 080	TV
			081 - 100	Architectural
			101 - 120	Theater
			121 - 140	Stage 2
			141 - 160	Dim Speed, fast to slow (0.1s to 10s)
			161 - 255	Default to Unit Setting
	47	54		<b>Dim Curves</b>
			000 - 020	Square
			021 - 040	Linear
			041 - 060	Inv. Squa.
			061 - 080	S. Curve
			081 - 255	No Function
34	48	55	000 - 255	<b>CMY / Color Macro Speed Max -&gt; Min</b>
35	49	56		<b>Pan/Tilt Speed</b>
			000 - 225	Pan/Tilt Fast -> Slow
			226 - 235	Blackout by movement
			236 - 245	Blackout by all wheel changing
			246 - 255	No function
36	50	57		<b>Special Functions</b>
			000 - 039	No function (1200 Hz LED Refresh Rate (Default))
			040 - 049	Fan Control - Low (Hold 3s)
			050 - 059	Fan Control - High (Hold 3s)
			060 - 069	Fan Control - Auto (Default) (Hold 3s)
			070 - 074	All motor Reset (Hold 3s)
			075 - 079	Pan / Tilt Reset (Hold 3s)
			080 - 084	Color Reset (Hold 3s)
			085 - 089	Gobo Reset (Hold 3s)
			090 - 094	Focus and Zoom Reset (Hold 3s)
			095 - 099	Shutter Reset (Hold 3s)
			100 - 104	Framing Reset (Hold 3s)
			105 - 109	Other motors Reset (Hold 3s)
			110 - 114	Enable Zoom Speed Fast (Hold 3s)
			115 - 119	Disable Zoom Speed Fast (Hold 5s)
			120 - 124	Pump ON
			125 - 129	Pump OFF
			130 - 134	Enable Color Wheel Index to any position (Hold 3s)
			135 - 139	Disable Color Wheel Index to any position (Hold 5s)
			140 - 148	No function
			149 - 150	Wifly ON (Default) (Hold 3s)
			151 - 152	Wifly OFF (Hold 5s)
			153 - 154	Hibernation Enable (Hold 3s)
			155 - 156	Hibernation OFF (Hold 5s)
			157 - 158	Display Backlight ON (Hold 3s)
			159 - 160	Display Backlight OFF (Hold 5s)
			161 - 162	Pan/Tilt Speed 1 (Default) (Hold 5s)
			163 - 164	Pan/Tilt Speed 2 (Hold 5s)
			165 - 166	Invert Pan ON (Hold 3s)
			167 - 168	Invert Pan OFF (Hold 5s)
169 - 170	Invert Tilt ON (Hold 3s)			
171 - 172	Invert Tilt OFF (Hold 5s)			

# DMX TRAITS

CHANNEL			DMX VALUE	FUNCTION
36 CH	50 CH	57 CH		
				<b>Refresh Rate (Hold 1s)</b>
			173	900 Hz LED Refresh Rate (Hold 1s)
			174	910 Hz LED Refresh Rate (Hold 1s)
			175	920 Hz LED Refresh Rate (Hold 1s)
			176	930 Hz LED Refresh Rate (Hold 1s)
			177	940 Hz LED Refresh Rate (Hold 1s)
			178	950 Hz LED Refresh Rate (Hold 1s)
			179	960 Hz LED Refresh Rate (Hold 1s)
			180	970 Hz LED Refresh Rate (Hold 1s)
			181	980 Hz LED Refresh Rate (Hold 1s)
			182	990 Hz LED Refresh Rate (Hold 1s)
			183	1000 Hz LED Refresh Rate (Hold 1s)
			184	1010 Hz LED Refresh Rate (Hold 1s)
			185	1020 Hz LED Refresh Rate (Hold 1s)
			186	1030 Hz LED Refresh Rate (Hold 1s)
			187	1040 Hz LED Refresh Rate (Hold 1s)
			188	1050 Hz LED Refresh Rate (Hold 1s)
			189	1060 Hz LED Refresh Rate (Hold 1s)
			190	1070 Hz LED Refresh Rate (Hold 1s)
			191	1080 Hz LED Refresh Rate (Hold 1s)
			192	1090 Hz LED Refresh Rate (Hold 1s)
			193	1100 Hz LED Refresh Rate (Hold 1s)
			194	1110 Hz LED Refresh Rate (Hold 1s)
			195	1120 Hz LED Refresh Rate (Hold 1s)
			196	1130 Hz LED Refresh Rate (Hold 1s)
			197	1140 Hz LED Refresh Rate (Hold 1s)
			198	1150 Hz LED Refresh Rate (Hold 1s)
			199	1160 Hz LED Refresh Rate (Hold 1s)
			200	1170 Hz LED Refresh Rate (Hold 1s)
			201	1180 Hz LED Refresh Rate (Hold 1s)
			202	1190 Hz LED Refresh Rate (Hold 1s)
			203	1210 Hz LED Refresh Rate (Hold 1s)
			204	1220 Hz LED Refresh Rate (Hold 1s)
			205	1230 Hz LED Refresh Rate (Hold 1s)
			206	1240 Hz LED Refresh Rate (Hold 1s)
			207	1250 Hz LED Refresh Rate (Hold 1s)
			208	1260 Hz LED Refresh Rate (Hold 1s)
			209	1270 Hz LED Refresh Rate (Hold 1s)
			210	1280 Hz LED Refresh Rate (Hold 1s)
			211	1290 Hz LED Refresh Rate (Hold 1s)
			212	1300 Hz LED Refresh Rate (Hold 1s)
			213	1310 Hz LED Refresh Rate (Hold 1s)
			214	1320 Hz LED Refresh Rate (Hold 1s)
			215	1330 Hz LED Refresh Rate (Hold 1s)

# DMX TRAITS

CHANNEL			DMX VALUE	FUNCTION
36 CH	50 CH	57 CH		
36	50	57		<b>Refresh Rate</b> (Hold 1s)
			216	1340 Hz LED Refresh Rate (Hold 1s)
			217	1350 Hz LED Refresh Rate (Hold 1s)
			218	1360 Hz LED Refresh Rate (Hold 1s)
			219	1370 Hz LED Refresh Rate (Hold 1s)
			220	1380 Hz LED Refresh Rate (Hold 1s)
			221	1390 Hz LED Refresh Rate (Hold 1s)
			222	1400 Hz LED Refresh Rate (Hold 1s)
			223	1410 Hz LED Refresh Rate (Hold 1s)
			224	1420 Hz LED Refresh Rate (Hold 1s)
			225	1430 Hz LED Refresh Rate (Hold 1s)
			226	1440 Hz LED Refresh Rate (Hold 1s)
			227	1450 Hz LED Refresh Rate (Hold 1s)
			228	1460 Hz LED Refresh Rate (Hold 1s)
			229	1470 Hz LED Refresh Rate (Hold 1s)
			230	1480 Hz LED Refresh Rate (Hold 1s)
			231	1490 Hz LED Refresh Rate (Hold 1s)
			232	1500 Hz LED Refresh Rate (Hold 1s)
			233	2500 Hz LED Refresh Rate (Hold 1s)
			234	4000 Hz LED Refresh Rate (Hold 1s)
			235	5000 Hz LED Refresh Rate (Hold 1s)
			236	6000 Hz LED Refresh Rate (Hold 1s)
			237	10,000 Hz LED Refresh Rate (Hold 1s)
			238	15,000 Hz LED Refresh Rate (Hold 1s)
			239	20,000 Hz LED Refresh Rate (Hold 1s)
			240	25,000 Hz LED Refresh Rate (Hold 1s)
			241	Internal program 1 (scenes 1~8) (Hold 3s)
			242	Internal program 2 (scenes 9~16) (Hold 3s)
243	Internal program 3 (scenes 17~24) (Hold 3s)			
244	Internal program 4 (scenes 25~32) (Hold 3s)			
245	Internal program 5 (scenes 33~40) (Hold 3s)			
246	Internal program 6 (scenes 41~48) (Hold 3s)			
247	Internal program 7 (scenes 49~56) (Hold 3s)			
248 - 255	No function			