

ADJ HYDRO SPOT 1 - DMX TRAITS

CHANNEL			DMX VALUES	FUNCTION
17 CH	20 CH	22 CH		
1	1	1	000 - 255	Pan Movement , 540/630
	2	2	000 - 255	Pan Fine
2	3	3	000 - 255	Tilt Movement , 270
	4	4	000 - 255	Tilt Fine
3	5	5		Color Wheel 1
			000 - 009	Open
			010 - 016	Open / Red
			017 - 023	Red
			024 - 030	Red / Medium Blue
			031 - 037	Medium Blue
			038 - 044	Medium Blue / Green
			045 - 051	Green
			052 - 058	Green / Amber
			059 - 065	Amber
			066 - 072	Amber / Orange
			073 - 079	Orange
			080 - 086	Orange / High CRI
			087 - 093	High CRI
			094 - 100	High CRI / CTB (5600K)
			101 - 107	CTB (5600K)
			108 - 114	CTB (5600K) / UV
			115 - 121	UV
			122 - 127	UV / Open
128 - 189	Clockwise Color Wheel Rotation, fast to slow			
190 - 193	No Rotation			
194 - 255	Counter-Clockwise Color Wheel Rotation, slow to fast			
4	6	6		Color Wheel 2
			000 - 009	Open
			010 - 016	Open / Magenta
			017 - 023	Magenta
			024 - 030	Magenta / Blue
			031 - 037	Blue
			038 - 044	Blue / Green
			045 - 051	Green
			052 - 058	Green / Yellow
			059 - 065	Yellow
			066 - 072	Yellow / Light Purple
			073 - 079	Light Purple
			080 - 086	Light Purple / Pink

CONTINUED ON NEXT PAGE

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CHANNEL			DMX VALUES	FUNCTION
17 CH	20 CH	22 CH		
4	6	6		<i>Color Wheel 2 (continued)</i>
			087 - 093	Pink
			094 - 100	Pink / UV
			101 - 107	UV
			108 - 114	UV / CTO (3200K)
			115 - 121	CTO (3200K)
			122 - 127	CTO (3200K) / Open
			128 - 189	Clockwise Color Wheel Rotation, fast to slow
			190 - 193	No Rotation
194 - 255	Counter-Clockwise Color Wheel Rotation, slow to fast			
5	7	7		<i>Gobo Wheel</i>
			000 - 004	Open
			005 - 019	Gobo 1 - Dotted Tunnel
			020 - 034	Gobo 2 - Scattered Triangles
			035 - 049	Gobo 3 - Swipe
			050 - 064	Gobo 4 - Flower Petals
			065 - 079	Gobo 5 - Starry Night
			080 - 094	Gobo 6 - Swirl
			095 - 109	Gobo 1 Shake, slow to fast
			110 - 124	Gobo 2 Shake, slow to fast
			125 - 139	Gobo 3 Shake, slow to fast
			140 - 154	Gobo 4 Shake, slow to fast
			155 - 169	Gobo 5 Shake, slow to fast
			170 - 189	Gobo 6 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			
6	8	8		<i>Gobo Rotation</i>
			000 - 127	Indexing
			128 - 189	Clockwise Gobo Rotation, fast to slow
			190 - 193	No Rotation
194 - 255	Counter-Clockwise Gobo Rotation, slow to fast			

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CHANNEL			DMX VALUES	FUNCTION
17 CH	20 CH	22 CH		
7	9	9		Shutter
			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	
8	10	10	000 - 255	Dimmer Intensity , 0% to 100%
		11	000 - 255	Dimmer Intensity Fine
9	11	12		Prisms and Prism/Gobo Macros
			000 - 005	No Prism - Open
			006 - 066	Prism 1 (5 Facet Linear Prism)
			067 - 127	Prism 2 (6 Facet Circular Prism)
			129 - 135	Macro 1
			136 - 143	Macro 2
			144 - 151	Macro 3
			152 - 159	Macro 4
			160 - 167	Macro 5
			168 - 175	Macro 6
			176 - 183	Macro 7
			184 - 191	Macro 8
			192 - 199	Macro 9
			200 - 207	Macro 10
			208 - 215	Macro 11
			216 - 223	Macro 12
			224 - 231	Macro 13
232 - 239	Macro 14			
240 - 247	Macro 15			
248 - 255	Macro 16			
10	12	13		Prism Rotation
			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	
11	13	14	000 - 255	Focus , 0% to 100%
12	14	15	000 - 255	Zoom , narrow to wide

CONTINUED ON NEXT PAGE

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CHANNEL			DMX VALUES	FUNCTION
17 CH	20 CH	22 CH		
		16	000 - 255	Zoom Fine
13	15	17	000 - 255	Heavy Frost , 0% to 100%
14	16	18	000 - 255	Medium Frost , 0% to 100%
15	17	19		Dimmer Modes
			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 10.0s)
			161 - 255	Default to Unit Setting
	18	20		Dim Curves
			000 - 020	Square
			021 - 040	Linear
			041 - 060	Inv Squa
			061 - 080	S Curve
			081 - 255	No Function
16	19	21		Pan/Tilt Speed
			000 - 225	Pan/Tilt, fast to slow
			226 - 235	Blackout by Movement
			236 - 245	Blackout by All Wheel Changing
			246 - 255	No Function
17	20	22		Special Functions
			000 - 039	No Function
			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	No Function
			105 - 109	Other motors reset (hold 3s)
110 - 114	Enable Zoom Speed Fast (hold 3s)			
115 - 119	Disable Zoom Speed Fast (hold 5s)			

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ADJ HYDRO SPOT 1 - DMX TRAITS

CHANNEL			DMX VALUES	FUNCTION
17 CH	20 CH	22 CH		
17	20	22		<i>Special Functions (continued)</i>
			120 - 148	No function
			149 - 150	Wifly On (Default, hold 3s)
			151 - 152	Wifly Off (hold 5s)
			153 - 154	Hibernation Enable (hold 3s) - see <i>Installation</i> section for details
			155 - 156	Hibernation Off (hold 5s) - see <i>Installation</i> section for details
			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)
				<i>Refresh Rate (Hz, Hold 1s)</i>
			173	900
			174	910
			175	920
			176	930
			177	940
			178	950
			179	960
			180	970
			181	980
			182	990
			183	1000
			184	1010
			185	1020
			186	1030
			187	1040
			188	1050
			189	1060
			190	1070
191	1080			
192	1090			
193	1100			
194	1110			
195	1120			
196	1130			
197	1140			

ADJ HYDRO SPOT 1 - DMX TRAITS

CONTINUED ON NEXT PAGE				
CHANNEL			DMX VALUES	FUNCTION
17 CH	20 CH	22 CH		
17	20	22		<i>Refresh Rates (Hz, hold 3s) (continued)</i>
			198	1150
			199	1160
			200	1170
			201	1180
			202	1190
			203	1210
			204	1220
			205	1230
			206	1240
			207	1250
			208	1260
			209	1270
			210	1280
			211	1290
			212	1300
			213	1310
			214	1320
			215	1330
			216	1340
			217	1350
			218	1360
			219	1370
			220	1380
			221	1390
			222	1400
			223	1410
			224	1420
			225	1430
			226	1440
			227	1450
			228	1460
			229	1470
			230	1480
231	1490			
232	1500			
233	2500			
234	4000			

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CHANNEL			DMX VALUES	FUNCTION
17 CH	20 CH	22 CH		
17	20	22		<i>Refresh Rates (Hz, hold 3s) (continued)</i>
			235	5000
			236	6000
			237	10,000
			238	15,000
			239	20,000
			240	25,000
			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			