

ADJ HYDRO FLEX L19 - DMX TRAITS

CHANNEL							DMX VALUES	FUNCTION
22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
1	1	1	1	1	1	1		Pan Movement, 8-bit
							000 - 255	540 / 630 Degrees
	2	2	2	2	2	2		Pan Fine Movement, 16-bit
							000 - 255	Pan Fine Movement
2	3	3	3	3	3	3		Tilt Movement, 8-bit
							000 - 255	270 Degrees
	4	4	4	4	4	4		Tilt Fine Movement, 16-bit
							000 - 255	Tilt Fine Movement
3	5			5				Red
							000 - 255	0% - 100%
4	6			6				Green
							000 - 255	0% - 100%
5	7			7				Blue
							000 - 255	0% - 100%
6	8			8				Lime
							000 - 255	0% - 100%
		5	5					Red 1
							000 - 255	0% - 100%
		6	6					Green 1
							000 - 255	0% - 100%
		7	7					Blue 1
							000 - 255	0% - 100%
		8	8					Lime 1
							000 - 255	0% - 100%
		9	9					Red 2
							000 - 255	0% - 100%
		10	10					Green 2
							000 - 255	0% - 100%
		11	11					Blue 2
							000 - 255	0% - 100%
		12	12					Lime 2
							000 - 255	0% - 100%
		13	13					Red 3
							000 - 255	0% - 100%
		14	14					Green 3
							000 - 255	0% - 100%
		15	15					Blue 3
							000 - 255	0% - 100%
		16	16					Lime 3
							000 - 255	0% - 100%

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22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
			17					Red 4
							000 - 255	0% - 100%
			18					Green 4
							000 - 255	0% - 100%
			19					Blue 4
							000 - 255	0% - 100%
			20					Lime 4
							000 - 255	0% - 100%
			21					Red 5
							000 - 255	0% - 100%
			22					Green 5
							000 - 255	0% - 100%
			23					Blue 5
							000 - 255	0% - 100%
			24					Lime 5
							000 - 255	0% - 100%
			25					Red 6
							000 - 255	0% - 100%
			26					Green 6
							000 - 255	0% - 100%
			27					Blue 6
							000 - 255	0% - 100%
			28					Lime 6
							000 - 255	0% - 100%
			29					Red 7
							000 - 255	0% - 100%
			30					Green 7
							000 - 255	0% - 100%
			31					Blue 7
							000 - 255	0% - 100%
			32					Lime 7
							000 - 255	0% - 100%
			33					Red 8
							000 - 255	0% - 100%
			34					Green 8
							000 - 255	0% - 100%
			35					Blue 8
							000 - 255	0% - 100%
			36					Lime 8
							000 - 255	0% - 100%

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CHANNEL								
22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH	DMX VALUES	FUNCTION
			37					Red 9
							000 - 255	0% - 100%
			38					Green 9
							000 - 255	0% - 100%
			39					Blue 9
							000 - 255	0% - 100%
			40					Lime 9
							000 - 255	0% - 100%
			41					Red 10
							000 - 255	0% - 100%
			42					Green 10
							000 - 255	0% - 100%
			43					Blue 10
							000 - 255	0% - 100%
			44					Lime 10
							000 - 255	0% - 100%
			45					Red 11
							000 - 255	0% - 100%
			46					Green 11
							000 - 255	0% - 100%
			47					Blue 11
							000 - 255	0% - 100%
			48					Lime 11
							000 - 255	0% - 100%
			49					Red 12
							000 - 255	0% - 100%
			50					Green 12
							000 - 255	0% - 100%
			51					Blue 12
							000 - 255	0% - 100%
			52					Lime 12
							000 - 255	0% - 100%
			53					Red 13
							000 - 255	0% - 100%
			54					Green 13
							000 - 255	0% - 100%
			55					Blue 13
							000 - 255	0% - 100%
			56					Lime 13
							000 - 255	0% - 100%

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CHANNEL							DMX VALUES	FUNCTION
22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
			57					Red 14
							000 - 255	0% - 100%
			58					Green 14
							000 - 255	0% - 100%
			59					Blue 14
							000 - 255	0% - 100%
			60					Lime 14
							000 - 255	0% - 100%
			61					Red 15
							000 - 255	0% - 100%
			62					Green 15
							000 - 255	0% - 100%
			63					Blue 15
							000 - 255	0% - 100%
			64					Lime 15
							000 - 255	0% - 100%
			65					Red 16
							000 - 255	0% - 100%
			66					Green 16
							000 - 255	0% - 100%
			67					Blue 16
							000 - 255	0% - 100%
			68					Lime 16
							000 - 255	0% - 100%
			69					Red 17
							000 - 255	0% - 100%
			70					Green 17
							000 - 255	0% - 100%
			71					Blue 17
							000 - 255	0% - 100%
			72					Lime 17
							000 - 255	0% - 100%
			73					Red 18
							000 - 255	0% - 100%
			74					Green 18
							000 - 255	0% - 100%
			75					Blue 18
							000 - 255	0% - 100%
			76					Lime 18
							000 - 255	0% - 100%

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CHANNEL							DMX VALUES	FUNCTION
22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
			77					Red 19
							000 - 255	0% - 100%
			78					Green 19
							000 - 255	0% - 100%
			79					Blue 19
							000 - 255	0% - 100%
			80					Lime 19
							000 - 255	0% - 100%
					5	5		Cyan
							000 - 255	0% - 100%
						6		Cyan Fine
							000 - 255	Cyan Fine
					6	7		Magenta
							000 - 255	0% - 100%
						8		Magenta Fine
							000 - 255	Magenta Fine
					7	9		Yellow
							000 - 255	0% - 100%
						10		Yellow Fine
							000 - 255	Yellow Fine
	9	17	81	9	8	11		Color Temperature Linear
							000 - 255	2,700K - 10,000K
								Color Temperature Presets
							000	No Function
							001 - 060	2700K
							061 - 179	3000K
							180 - 201	3200K
							202 - 207	4000K
							208 - 229	4500K
							230 - 234	5000K
							235 - 239	5600K
							240 - 244	6500K
							245 - 249	8000K
							250 - 255	10000K

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CHANNEL							DMX VALUES	FUNCTION
22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
11	19	83	11	10	13	Virtual Foreground Color Wheel		
						000	Open	
						001 - 060	Virtual Swatch Colors (see Colors Wheels Table)	
						061 - 179	Open	
						180 - 201	Color Scroll Clockwise, fast to slow	
						202 - 207	Stop	
						208 - 229	Color Scroll Counter-Clockwise, slow to fast	
						230 - 234	Open	
						235 - 239	Random Slots Fast	
						240 - 244	Random Slots Medium	
						245 - 249	Random Slots Slow	
						250 - 255	Open	
12	20	84	12	11	14	Virtual Background Color Wheel		
						000	Open	
						001 - 060	Virtual Swatch Colors (see Color Wheels Table)	
						061 - 179	Open	
						180 - 201	Color Scroll Clockwise, fast to slow	
						202 - 207	Stop	
						208 - 229	Color Scroll Counter-Clockwise, slow to fast	
						230 - 234	Open	
						235 - 239	Random Slots Fast	
						240 - 244	Random Slots Medium	
						245 - 249	Random Slots Slow	
						250 - 255	Open	
8	13	21	85	13	12	15	64 Color Macros	
							000 - 255	See Color Macros Chart
9	14	22	86	14	13	16	Foreground Effect Macro	
							000	Open
							001 - 060	Macro 1
							061 - 179	Macro 2
							180 - 201	Macro 3
							202 - 207	Macro 4
							208 - 229	Macro 5
							230 - 234	Macro 6
							235 - 239	Macro 7
							240 - 244	Macro 8
245 - 255	No Function							
10	15	23	87	15	14	17	Foreground Effect Macro Speed	
							000 - 255	Slow to Fast
11	16	24	88	16	15	18	Foreground Effect Macro Fade	
							000 - 255	Minimum to Maximum

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CHANNEL							DMX VALUES	FUNCTION
22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
12	17	25	89	17	16	19		Background Effect Macro
							000	Open
							001 - 060	Macro 1
							061 - 179	Macro 2
							180 - 201	Macro 3
							202 - 207	Macro 4
							208 - 229	Macro 5
							230 - 234	Macro 6
							235 - 239	Macro 7
							240 - 244	Macro 8
							245 - 255	No Function
13	18	26	90	18	17	20		Background Effect Macro Speed
							000 - 255	Slow to Fast
14	19	27	91	19	18	21		Background Effect Macro Fade
							000 - 255	Minimum to Maximum
		28	92			22		Color Temperature, Red to Green
							000	No Function
							001 - 255	Shift Color Temperature, Red to Green
15	20	29	93	20	20	23		Shutter
							000 - 031	Shutter Closed (LEDs Off)
							032 - 063	Shutter Open (LEDs On)
							064 - 095	Strobe Effect, slow to fast
							096 - 127	Shutter Open (LEDs On)
							128 - 159	Pulse Effect in Sequences
							160 - 191	Shutter Open (LEDs On)
							192 - 223	Random Strobe Effect, slow to fast
224 - 255	Shutter Open (LEDs On)							
16	21	30	94	21	21	24		Dimmer
							000 - 255	0% to 100%
17	22	31	95	22	22	25		Dimmer Fine
							000 - 255	Dimmer Fine Adjustment 16-bit
	23	32	96	23	23	26		Zoom
							000 - 255	Wide to Narrow
	24	33	97	24	24	27		Zoom Fine
							000 - 255	Zoom Fine Adjustment 16-bit

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CHANNEL							DMX VALUES	FUNCTION
22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
								Dim Modes
							000 - 020	Default to Unit Setting
							021 - 040	Standard
							041 - 060	Stage
							061 - 080	TV
							081 - 100	Architectural
							101 - 120	Theatre
							121 - 140	Stage 2
								Dimming Speed
							141	0.1s
							142	0.2s
							143	0.3s
							144	0.4s
							145	0.5s
							146	0.6s
	25	34	98	25	25	28	147	0.7s
							148	0.8s
							149	0.9s
							150	1.0s
							151	1.5s
							152	2.0s
							153	3.0s
							154	4.0s
							155	5.0s
							156	6.0s
							157	7.0s
							158	8.0s
							159	9.0s
							160	10.0s
							161 - 255	Default to Unit Setting
								Dim Curves
							000 - 020	Square
							021 - 040	Linear
							041 - 060	Inv Squa
							061 - 080	S Curve
							081 - 255	No Function
	26	35	99	26	26	29		

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CHANNEL							DMX VALUES	FUNCTION
22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
18	27	36	100	27	27	30		Internal Programs
							000 - 009	No Function
							010 - 019	Program 1
							020 - 029	Program 2
							030 - 039	Program 3
							040 - 049	Program 4
							050 - 059	Program 5
							060 - 069	Program 6
							070 - 079	Program 7
							080 - 089	Program 8
							090 - 099	Program 9
							100 - 109	Program 10
							110 - 119	Program 11
							120 - 129	Program 12
							130 - 139	Program 13
							140 - 149	Program 14
							150 - 159	Program 15
							160 - 169	Program 16
							170 - 179	Program 17
							180 - 189	Program 18
190 - 199	Program 19							
200 - 209	Program 20							
210 - 255	No Function							
19	28	37	101	28	28	31		Program Speed
							000 - 255	Slow to Fast
20	29	38	102	29	29	32		Program Fade
							000 - 255	Minimum to Maximum
21	30	39	103	30	30	33		Pan / Tilt Speed
							000 - 255	Maximum to Minimum
22	31	40	104	31	31	34		LED Refresh Rate
							000 - 010	No Function
							011	900 Hz
							012	910 Hz
							013	920 Hz
							014	930 Hz
							015	940 Hz
							016	950 Hz
							017	960 Hz
							018	970 Hz
							019	980 Hz
020	990 Hz							

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CHANNEL							DMX VALUES	FUNCTION
22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
22	31	40	104	31	31	34		LED Refresh Rate (continued)
							021	1000 Hz
							022	1010 Hz
							023	1020 Hz
							024	1030 Hz
							025	1040 Hz
							026	1050 Hz
							027	1060 Hz
							028	1070 Hz
							029	1080 Hz
							030	1090 Hz
							031	1100 Hz
							032	1110 Hz
							033	1120 Hz
							034	1130 Hz
							035	1140 Hz
							036	1150 Hz
							037	1160 Hz
							038	1170 Hz
							039	1180 Hz
							040	1190 Hz
							041	1200 Hz
							042	1210 Hz
							043	1220 Hz
							044	1230 Hz
							045	1240 Hz
							046	1250 Hz
							047	1260 Hz
							048	1270 Hz
							049	1280 Hz
							050	1290 Hz
							051	1300 Hz
							052	1310 Hz
							053	1320 Hz
054	1330 Hz							
055	1340 Hz							
056	1350 Hz							
057	1360 Hz							
058	1370 Hz							
059	1380 Hz							
060	1390 Hz							

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22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
22	31	40	104	31	31	34		Special Functions
							061	1400 Hz
							062	1410 Hz
							063	1420 Hz
							064	1430 Hz
							065	1440 Hz
							066	1450 Hz
							067	1460 Hz
							068	1470 Hz
							069	1480 Hz
							070	1490 Hz
							071	1500 Hz
							072	2500 Hz
							073	4000 Hz
							074	5000 Hz
							075	6000 Hz
							076	10 KHz
							077	15 KHz
							078	20 KHz
							079	25 KHz
							080	No Function
							081 - 089	Enable Blackout while Pan/Tilt Moving
							090 - 099	Disable Blackout while Pan/Tilt Moving
							100 - 105	Fan Mode Low (hold 3s)
							106 - 111	Fan Mode High (hold 3s)
							112 - 117	Fan Mode Auto (hold 3s)
							118 - 122	Enable Pan Invert (hold 3s)
							123 - 127	Disable Pan Invert (hold 3s)
							128 - 132	Enable Tilt Invert (hold 3s)
							133 - 139	Disable Tilt Invert (hold 3s)
140 - 149	Reset All							
150 - 159	Reset Pan/Tilt							
160 - 169	Reset Effect							
170 - 174	Enable Zoom Speed Fast							
175 - 179	Disable Zoom Speed Fast							
180 - 182	Enable White Calibration (hold 3s)							
183 - 185	Enable White Fixed Values (hold 3s)							
186 - 189	Fan Mode Mute (hold 3s)							

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CHANNEL							DMX VALUES	FUNCTION
22 CH	31 CH STD	40 CH	104 CH	31 CH STD RGBW	31 CH STD CMY	34 CH		
22	31	40	104	31	31	34		Special Functions (continued)
							190 - 193	Enable Zoom Mode 2 (hold 3s)
							194 - 197	Disable Zoom Mode 2 (hold 3s)
							198 - 200	Enable LP Mode 1 (hold 3s)
							201 - 203	Enable LP Mode 2 (hold 3s)
							204 - 255	No Function