

# ELATION PROTEUS RAYZOR 760 - DMX TRAITS

ELATION PROTEUS RAYZOR 760 DMX Channel Traits							
Supports Software Versions: 1.2.1							
Features subject to change without notice. Rotation direction (clockwise/counter-clockwise) and control of effects depends on head orientation and pan/tilt settings.							
CHANNEL				DMX VALUES	FUNCTION	FADE STATUS	DE- FAULT VALUE
STANDARD	PIXELS	EXTENDED	SPARK LED				
MAIN FIXTURE CONTROL							
1	1	1		000 - 255	<b>Pan</b>	Fade	127
2	2	2		000 - 255	<b>Pan Fine</b>	Fade	127
3	3	3		000 - 255	<b>Tilt</b>	Fade	127
4	4	4		000 - 255	<b>Tilt Fine</b>	Fade	127
5	5	5			<b>Pan Rotate</b>	Fade	0
				000 - 002	Disabled		
				003 - 126	Rotating Clockwise, fast to slow		
				127 - 129	No Rotation		
				130 - 253	Rotating Counter-Clockwise, slow to fast		
				254 - 255	No Rotation		
6	6	6			<b>Tilt Rotate</b>	Fade	0
				000 - 002	Disabled		
				003 - 126	Rotating Clockwise, fast to slow		
				127 - 129	No Rotation		
				130 - 253	Rotating Counter-Clockwise, slow to fast		
				254 - 255	No Rotation		
7	7	7			<b>CTC</b>	Fade	0
				000 - 010	Disabled		
				011 - 171	Color Temperature, 2000K to 10,000K in 100K steps (see <b>CTC Table</b> section of this manual)		
				172 - 255	10,000K		
8	8	8			<b>Color Wheel</b>	Snap	0
				000 - 009	Open		
				010 - 014	Red		
				015 - 019	Red Orange		
				020 - 024	Light Amber		
				025 - 029	Yellow Amber		
				030 - 034	Greenish Yellow		
				035 - 039	Light Yellow Green		
				040 - 044	Dark Yellow Green		
045 - 049	Green						

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CHANNEL				DMX VALUES	FUNCTION	FADE STATUS	DE- FAULT VALUE						
STANDARD	PIXELS	EXTENDED	SPARK LED										
8	8	8			<b>Color Wheel (continued)</b>	Snap	0						
				050 - 054	Teal								
				055 - 059	Cyan								
				060 - 064	Light Blue								
				065 - 069	Aqua								
				070 - 074	Dark Aqua								
				075 - 079	Green Blue								
				080 - 084	Light Lavender								
				085 - 089	Dark Purple								
				090 - 094	Medium Purple								
				095 - 099	Mid Rose								
				100 - 104	Mauve								
				105 - 109	Nice Magenta								
				110 - 114	Warm Magenta								
				115 - 119	Light Red								
				120 - 124	Straw								
				125 - 129	Dark CTB								
				130 - 134	Light Green								
				135 - 139	Purple								
				140 - 144	Lighter Purple								
				145 - 149	Pink								
				150 - 154	Rose								
				155 - 159	Rose								
				160 - 174	Not in use								
				175 - 179	Open								
											<b>Color Scroll</b>		
				180 - 201	Clockwise, fast to slow								
				202 - 207	Stop								
				208 - 229	Counter-Clockwise, slow to fast								
				230 - 234	Open								
					<b>Random Slots</b>								
235 - 239	Fast												
240 - 244	Medium												
245 - 249	Slow												
250 - 255	Open												

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CHANNEL				DMX VALUES	FUNCTION	FADE STATUS	DE-FAULT VALUE
STANDARD	PIXELS	EXTENDED	SPARK LED				
9	9	9			<b>Strobe</b>	Snap	50
				000 - 031	Shutter Closed		
				032 - 063	Shutter Open		
				064 - 095	Strobe, slow to fast		
				096 - 127	Fast Close, Slow Open		
				128 - 159	Fast Open, Slow Close		
				160 - 191	Pulse Effects		
				192 - 223	Random Strobe, slow to fast		
	224 - 255	Shutter Open					
10	10	10		000 - 255	<b>Dimmer</b> , 0% to 100%	Fade	0
11	11	11		000 - 255	<b>Dimmer Fine</b>	Fade	0
12	12	12			<b>Dim Modes</b>	Snap	0
				000 - 020	Standard		
				021 - 040	Stage		
				041 - 060	TV		
				061 - 080	Architectural		
				081 - 100	Theatre		
				101 - 120	Stage 2		
					<b>Dimmer Delay Time</b>		
				121	0 s		
				122	0.1 s		
				123	0.2 s		
				124	0.3 s		
				125	0.4 s		
				126	0.5 s		
				127	0.6 s		
				128	0.7 s		
				129	0.8 s		
				130	0.9 s		
				131	1.0 s		
				132	1.5 s		
133	2.0 s						
134	3.0 s						
135	4.0 s						
136	5.0 s						
137	6.0 s						
138	7.0 s						
139	8.0 s						

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CHANNEL				DMX VALUES	FUNCTION	FADE STATUS	DE-FAULT VALUE
STANDARD	PIXELS	EXTENDED	SPARK LED				
12	12	12			<b>Dimmer Delay Time (continued)</b>	Snap	0
				140	9.0 s		
				141	10.0 s		
				142 - 255	Idle		
13	13	13			<b>Zoom</b>	Fade	128
				000 - 215	Zoom, wide to narrow		
				215 - 255	Overdrive, minimum to maximum		
	14	14		000 - 255	<b>Zoom Fine</b>	Fade	0
	15	15			<b>Pan / Tilt Speed</b>	Snap	0
				000 - 225	Max to Min Speed		
				226 - 235	Blackout when pan / tilt moves		
				236 - 245	Blackout when all wheels change		
				246 - 255	No function		
14	16	16			<b>Control</b>	Snap	0
				000 - 010	Idle		
				011 - 012	Pan Tilt Shortest Path		
				013 - 014	Pan Tilt Continue Path		
				015 - 016	Pan Range 540		
				017 - 018	Pan Range 360		
				019 - 020	Tilt Range 270		
				021 - 022	Tilt Range 360		
				023 - 039	Idle		
				040 - 059	Fan Mode Silent		
				060 - 079	Fan Mode Auto		
				080 - 084	Reset All		
				085 - 087	Reset Movement		
				088 - 091	Reset Zoom		
				092 - 099	Idle		
					<b>Refresh Rate (Hz)</b>		
				100	900		
				101	910		
				102	920		
103	930						
104	940						
105	950						
106	960						
107	970						

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CHANNEL				DMX VALUES	FUNCTION	FADE STATUS	DE-FAULT VALUE
STANDARD	PIXELS	EXTENDED	SPARK LED				
14	16	16			Refresh Rate (Hz) (continued)	Snap	0
				108	980		
				109	990		
				110	1000		
				111	1010		
				112	1020		
				113	1030		
				114	1040		
				115	1050		
				116	1060		
				117	1070		
				118	1080		
				119	1090		
				120	1100		
				121	1110		
				122	1120		
				123	1130		
				124	1140		
				125	1150		
				126	1160		
				127	1170		
				128	1180		
				129	1190		
				130	1200		
				131	1210		
				132	1220		
				133	1230		
				134	1240		
				135	1250		
				136	1260		
137	1270						
138	1280						
139	1290						
140	1300						
141	1310						
142	1320						
143	1330						
144	1340						
145	1350						
146	1360						

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# ELATION PROTEUS RAYZOR 760 - DMX TRAITS

CHANNEL				DMX VALUES	FUNCTION	FADE STATUS	DE-FAULT VALUE
STANDARD	PIXELS	EXTENDED	SPARK LED				
14	16	16			Refresh Rate (Hz) (continued)	Snap	0
				147	1370		
				148	1380		
				149	1390		
				150	1400		
				151	1410		
				152	1420		
				153	1430		
				154	1440		
				155	1450		
				156	1460		
				157	1470		
				158	1480		
				159	1490		
				160	1500		
				161	2500		
				162	4000		
				163	5000		
				164	6000		
				165	10000		
				166	15000		
				167	20000		
				168	25000		
				169 - 200	Idle		
				<b>ADDED WITH SOFTWARE UPDATE 1.2.2</b>			
				169 - 192	Idle		
				193 - 194	Hibernate Off		
				195 - 196	Hibernate		
197 - 198	Home Position Before Power Off						
199 - 200	Home Position Off						
201 - 210	Dimmer Curve Linear (default)						
211 - 220	Dimmer Curve Square						
221 - 230	Dimmer Curve Inverse Square						
231 - 240	Dimmer Curve S-Curve						
241 - 255	Idle						

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CHANNEL				DMX VALUES	FUNCTION	FADE STATUS	DE-FAULT VALUE
STANDARD	PIXELS	EXTENDED	SPARK LED				
15	17	17		000 - 255	<b>RGBW FX Table</b> , FX selection 1 - 255 (see <b>RGBW FX Table</b> section of this manual)	Snap	0
16	18	18			<b>RGBW FX Speed</b>	Fade	160
				000 - 126	Rev fast to slow		
				127 - 128	Stop		
				129 - 255	slow to fast		
17	19	19		000 - 255	<b>Spark LED FX Selection</b> , 1 - 255 (see <b>Spark LED FX Table</b> section of this manual)	Snap	0
18	20	20			<b>Spark LED FX Speed</b>	Fade	160
				000 - 126	Rev, fast to slow		
				127 - 128	Stop		
				129 - 255	Slow to fast		
19	21	21			<b>FX Offset</b>	Snap	0
				000	No Sync		
				001 - 035	Fixture offset, 10 degrees to 350 degrees		
				036	Synchronized		
				037 - 100	No Function		
				101 - 120	Random Fixtures		
				121 - 140	Random Duration		
				141 - 255	Random Pixels		
20	22	22		000 - 255	<b>Red</b> , 0% to 100%	Fade	255
21	23	23		000 - 255	<b>Green</b> , 0% to 100%	Fade	255
22	24	24		000 - 255	<b>Blue</b> , 0% to 100%	Fade	255
23	25	25		000 - 255	<b>White</b> , 0% to 100%	Fade	255
	26	26		000 - 255	<b>Red 2</b> , 0% to 100%	Fade	255
	27	27		000 - 255	<b>Green 2</b> , 0% to 100%	Fade	255
	28	28		000 - 255	<b>Blue 2</b> , 0% to 100%	Fade	255
	29	29		000 - 255	<b>White 2</b> , 0% to 100%	Fade	255
	30	30		000 - 255	<b>Red 3</b> , 0% to 100%	Fade	255
	31	31		000 - 255	<b>Green 3</b> , 0% to 100%	Fade	255
	32	32		000 - 255	<b>Blue 3</b> , 0% to 100%	Fade	255
	33	33		000 - 255	<b>White 3</b> , 0% to 100%	Fade	255
	34	34		000 - 255	<b>Red 4</b> , 0% to 100%	Fade	255
	35	35		000 - 255	<b>Green 4</b> , 0% to 100%	Fade	255
	36	36		000 - 255	<b>Blue 4</b> , 0% to 100%	Fade	255
	37	37		000 - 255	<b>White 4</b> , 0% to 100%	Fade	255
	38	38		000 - 255	<b>Red 5</b> , 0% to 100%	Fade	255

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CHANNEL				DMX VALUES	FUNCTION	FADE STATUS	DE-FAULT VALUE
STANDARD	PIXELS	EXTENDED	SPARK LED				
	39	39		000 - 255	<b>Green 5</b> , 0% to 100%	Fade	255
	40	40		000 - 255	<b>Blue 5</b> , 0% to 100%	Fade	255
	41	41		000 - 255	<b>White 5</b> , 0% to 100%	Fade	255
	42	42		000 - 255	<b>Red 6</b> , 0% to 100%	Fade	255
	43	43		000 - 255	<b>Green 6</b> , 0% to 100%	Fade	255
	44	44		000 - 255	<b>Blue 6</b> , 0% to 100%	Fade	255
	45	45		000 - 255	<b>White 6</b> , 0% to 100%	Fade	255
	46	46		000 - 255	<b>Red 7</b> , 0% to 100%	Fade	255
	47	47		000 - 255	<b>Green 7</b> , 0% to 100%	Fade	255
	48	48		000 - 255	<b>Blue 7</b> , 0% to 100%	Fade	255
	49	49		000 - 255	<b>White 7</b> , 0% to 100%	Fade	255
<b>SPARK LED CONTROL</b>							
<p>Spark LED is not available as a mode in the fixture menu, but must be provided as a console control profile for easy programming of the fixture. Use this fixture in Extended mode and patch appropriate parts of the RGBW pixels and Spark LED fixtures on your control system to access all 80 channels. See the <b>Lighting Console Patch Guidelines</b> section of this manual for further instructions.</p>							
24	50	50			<b>Strobe</b>	Snap	50
				000 - 031	Shutter Closed		
				032 - 063	Shutter Open		
				064 - 095	Strobe, slow to fast		
				096 - 127	Fast Close, Slow Open		
				128 - 159	Fast Open, Slow Close		
				160 - 191	Pulse Effects		
				192 - 223	Random Strobe All, slow to fast		
224 - 255	Random Strobe Pixels, slow to fast						
25	51	51		000 - 255	<b>Dimmer</b> , 0% to 100%	Fade	0
	52	52		000 - 255	<b>Dimmer Fine</b>	Fade	0
		53	1	000 - 255	<b>Spark LED #1 Dimmer</b> , 0% to 100%	Fade	255
		54	2	000 - 255	<b>Spark LED #2 Dimmer</b> , 0% to 100%	Fade	255
		55	3	000 - 255	<b>Spark LED #3 Dimmer</b> , 0% to 100%	Fade	255
		56	4	000 - 255	<b>Spark LED #4 Dimmer</b> , 0% to 100%	Fade	255
		57	5	000 - 255	<b>Spark LED #5 Dimmer</b> , 0% to 100%	Fade	255
		58	6	000 - 255	<b>Spark LED #6 Dimmer</b> , 0% to 100%	Fade	255
		59	7	000 - 255	<b>Spark LED #7 Dimmer</b> , 0% to 100%	Fade	255

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CHANNEL				DMX VALUES	FUNCTION	FADE STATUS	DE- FAULT VALUE
STANDARD	PIXELS	EXTENDED	SPARK LED				
		60	8	000 - 255	<b>Spark LED #8 Dimmer, 0% to 100%</b>	Fade	255
		61	9	000 - 255	<b>Spark LED #9 Dimmer, 0% to 100%</b>	Fade	255
		62	10	000 - 255	<b>Spark LED #10 Dimmer, 0% to 100%</b>	Fade	255
		63	11	000 - 255	<b>Spark LED #11 Dimmer, 0% to 100%</b>	Fade	255
		64	12	000 - 255	<b>Spark LED #12 Dimmer, 0% to 100%</b>	Fade	255
		65	13	000 - 255	<b>Spark LED #13 Dimmer, 0% to 100%</b>	Fade	255
		66	14	000 - 255	<b>Spark LED #14 Dimmer, 0% to 100%</b>	Fade	255
		67	15	000 - 255	<b>Spark LED #15 Dimmer, 0% to 100%</b>	Fade	255
		68	16	000 - 255	<b>Spark LED #16 Dimmer, 0% to 100%</b>	Fade	255
		69	17	000 - 255	<b>Spark LED #17 Dimmer, 0% to 100%</b>	Fade	255
		70	18	000 - 255	<b>Spark LED #18 Dimmer, 0% to 100%</b>	Fade	255
		71	19	000 - 255	<b>Spark LED #19 Dimmer, 0% to 100%</b>	Fade	255
		72	20	000 - 255	<b>Spark LED #20 Dimmer, 0% to 100%</b>	Fade	255
		73	21	000 - 255	<b>Spark LED #21 Dimmer, 0% to 100%</b>	Fade	255
		74	22	000 - 255	<b>Spark LED #22 Dimmer, 0% to 100%</b>	Fade	255
		75	23	000 - 255	<b>Spark LED #23 Dimmer, 0% to 100%</b>	Fade	255
		76	24	000 - 255	<b>Spark LED #24 Dimmer, 0% to 100%</b>	Fade	255
		77	25	000 - 255	<b>Spark LED #25 Dimmer, 0% to 100%</b>	Fade	255
		78	26	000 - 255	<b>Spark LED #26 Dimmer, 0% to 100%</b>	Fade	255
		79	27	000 - 255	<b>Spark LED #27 Dimmer, 0% to 100%</b>	Fade	255
		80	28	000 - 255	<b>Spark LED #28 Dimmer, 0% to 100%</b>	Fade	255