

ELATION SMARTY HYBRID - DMX TRAITS

CHANNEL		DMX VALUES	FUNCTION
20CH	34CH		
1	1		Pan Movement, 8-bit
		000 - 255	Pan movement
2	2		Pan Fine, 16-bit
		000 - 255	Fine control of pan movement
3	3		Tilt Movement, 8-bit
		000 - 255	Tilt movement
4	4		Tilt Fine, 16-bit
		000 - 255	Fine control of tilt movement
5	5		Cyan Color
		000 - 255	Cyan, 0% to 100%
	6		Cyan Color Fine
		000 - 255	Cyan fine adjustment
6	7		Magenta Color
		000 - 255	Magenta, 0% to 100%
	8		Magenta Color Fine
		000 - 255	Magenta fine adjustment
7	9		Yellow Color
		000 - 255	Yellow, 0% to 100%
	10		Yellow Fine
		000 - 255	Yellow fine adjustment
8	11		Color Wheel
		000 - 010	Open / white
		011 - 019	Red
		020 - 028	Green
		029 - 037	Yellow
		038 - 046	Magenta
		047 - 055	Orange
		056 - 064	Aqua
		065 - 073	Pink
		074 - 082	Cyan

CHANNEL		DMX VALUES	FUNCTION
20CH	34CH		
8	11		Color Wheel (continued)
		083 - 091	Quad Color
		092 - 100	CTB
		101 - 109	UV
		110 - 118	CTO
		119 - 127	Blue
		128 - 189	Clockwise scroll, fast to slow
		190 - 193	No rotation
		194 - 255	Counter-clockwise scroll, slow to fast
	12		Color Wheel Fine
		000 - 255	Color wheel position fine adjustment
9	13		Rotating Gobos
		000 - 010	Beam open
		011 - 021	Spot open
		022 - 031	Rotating gobo 1
		032 - 041	Rotating gobo 2
		042 - 051	Rotating gobo 3
		052 - 061	Rotating gobo 4
		062 - 071	Rotating gobo 5
		072 - 081	Rotating gobo 6
		082 - 091	Rotating gobo 7
		092 - 101	Rotating gobo 8
		102 - 112	Rotating gobo 1 shake
		113 - 123	Rotating gobo 2 shake
		124 - 134	Rotating gobo 3 shake
		135 - 145	Rotating gobo 4 shake
		146 - 156	Rotating gobo 5 shake
		157 - 167	Rotating gobo 6 shake
		168 - 178	Rotating gobo 7 shake
		179 - 189	Rotating gobo 8 shake

CHANNEL		DMX VALUES	FUNCTION
20CH	34CH		
9	13		Rotating Gobos (continued)
		190 - 221	Clockwise scroll, fast to slow
		222 - 223	Reserved
		224 - 255	Counter-clockwise scroll, slow to fast
10	14		Rotating Gobo Index
		000 - 127	Gobo indexing
		128 - 189	Clockwise rotation, fast to slow
		190 - 193	No rotation
		194 - 255	Counter-clockwise rotation, slow to fast
	15		Rotating Gobo Indexing, Fine
		000 - 255	Fine indexing adjustment
11	16		Fixed Gobos
		000 - 009	Open
		010 - 017	Gobo 1
		018 - 025	Gobo 2
		026 - 033	Gobo 3
		034 - 041	Gobo 4
		042 - 049	Gobo 5
		050 - 057	Gobo 6
		058 - 065	Gobo 7
		066 - 073	Gobo 8
		074 - 081	Gobo 9
		082 - 089	Gobo 10
		090 - 097	Gobo 11
		098 - 105	Gobo 12
		106 - 112	Gobo 1 shake, slow to fast
		113 - 119	Gobo 2 shake, slow to fast
		120 - 126	Gobo 3 shake, slow to fast
		127 - 133	Gobo 4 shake, slow to fast
		134 - 140	Gobo 5 shake, slow to fast

CHANNEL		DMX VALUES	FUNCTION
20CH	34CH		
11	16		Fixed Gobos (continued)
		141 - 147	Gobo 6 shake, slow to fast
		148 - 154	Gobo 7 shake, slow to fast
		155 - 161	Gobo 8 shake, slow to fast
		162 - 168	Gobo 9 shake, slow to fast
		169 - 175	Gobo 10 shake, slow to fast
		176 - 182	Gobo 11 shake, slow to fast
		183 - 189	Gobo 12 shake, slow to fast
		190 - 221	Clockwise scroll, fast to slow
		222 - 223	Reserved
		224 - 255	Counter-clockwise, slow to fast
	17		Fixed Gobo Indexing Fine
		000 - 255	Fixed gobo fine indexing
12	18		16 Facet Rotating Prism/Line Prism
		000 - 031	Open
		032 - 064	16 Prism
		065 - 094	Linear Prism
		095 - 127	16/Linear Prism
		128 - 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

CHANNEL		DMX VALUES	FUNCTION
20CH	34CH		
12	18		16 Facet Rotating Prism/Line Prism (continued)
		224 - 231	Macro 13
		232 - 239	Macro 14
		240 - 247	Macro 15
		248 - 255	Macro 16
13	19		Rotating 8/Line Prism
		000 - 127	Prism indexing
		128 - 189	Clockwise rotation, fast to slow
		190 - 193	No rotation
		194 - 255	Counter-clockwise rotation, slow to fast
	20		Rotating 8/Line Prism Indexing, Fine
000 - 255		Fine indexing	
14	21		Focus
		000 - 255	Continuous adjustment, near to far
	22		Focus Fine
000 - 255		Continuous adjustment, fine	
15	23		Zoom
		000 - 255	Zoom adjustment, small to large
	24		Zoom Fine
000 - 255		Zoom adjustment, fine	
	25		Auto Focus - Spot Mode
		000 - 031	Auto focus off
		032 - 059	8m
		060 - 087	9m
		088 - 115	10m
		116 - 143	11m
		144 - 171	12m
		172 - 199	13m
		200 - 227	14m
		228 - 255	15m

CHANNEL		DMX VALUES	FUNCTION
20CH	34CH		
	25		Auto Focus - Beam Mode
		000 - 021	Auto focus off
		022 - 039	8m
		040 - 057	9m
		058 - 075	10m
		076 - 093	11m
		094 - 111	12m
		112 - 129	13m
		130 - 147	14m
		148 - 165	15m
		166 - 183	16m
		184 - 201	17m
		202 - 219	18m
		220 - 237	19m
		238 - 255	20m
	26		Auto Focus Fine
		000 - 255	Continuous adjustment, fine
16	27		Shutter, Strobe
		000 - 031	Shutter closed
		032 - 063	No function (shutter open)
		064 - 095	Strobe effect, slow to fast
		096 - 127	No function (shutter open)
		128 - 159	Pulse effect in sequences
		160 - 191	No function (shutter open)
		192 - 223	Random strobe effect, slow to fast
		224 - 255	No function (shutter open)
17	28		Dimmer Intensity
		000 - 255	0 to 100%
18	29		Fine Dimmer Intensity
		000 - 255	Fine adjustment

CHANNEL		DMX VALUES	FUNCTION
20CH	34CH		
19	30		Frost
		000 - 127	Disable frost
		128 - 255	Enable frost
	31		Gobo, Speed of CMY, and Color Macro Speed
		000 - 255	Speed, maximum to minimum
	32		Color Macros, CMY and Color Wheel
		000 - 031	Off
		032 - 039	Macro 1
		040 - 047	Macro 2
		048 - 055	Macro 3
		056 - 063	Macro 4
		064 - 071	Macro 5
		072 - 079	Macro 6
		080 - 087	Macro 7
		088 - 095	Macro 8
		096 - 103	Macro 9
		104 - 111	Macro 10
		112 - 119	Macro 11
		120 - 127	Macro 12
		128 - 135	Macro 13
		136 - 143	Macro 14
		144 - 151	Macro 15
		152 - 159	Macro 16
		160 - 167	Macro 17
		168 - 175	Macro 18
		176 - 183	Macro 19
		184 - 191	Macro 20
		192 - 199	Macro 21
		200 - 207	Macro 22
		208 - 215	Macro 23
		216 - 223	Macro 24

CHANNEL		DMX VALUES	FUNCTION
20CH	34CH		
	32		Color Macros, CMY and Color Wheel (continued)
		224 - 231	Macro 25
		232 - 239	Macro 26
		240 - 247	Macro 27
		248 - 255	Random CMY
	33		Speed Pan/Tilt Movement
		000 - 225	Maximum to minimum speed
		226 - 235	Blackout by movement
		236 - 245	Blackout by all wheel changing
		246 - 255	No function
20	34		Special Functions
		000 - 019	Color change normal
		020 - 029	Color change to any position
		030 - 039	Reserved
		040 - 049	Lamp on
		050 - 059	Lamp switch off
		060 - 066	Lamp power minimum, 190W
		067 - 073	Lamp power medium, 240W
		074 - 079	Lamp power maximum, 280W
		080 - 084	All motor reset
		085 - 087	Scan motor reset
		088 - 090	Color motor reset
		091 - 093	Gobo motor reset
		094 - 096	Shutter & dimmer motor reset
		097 - 099	Other motor reset
		100 - 119	Internal program 1
		120 - 139	Internal program 2
		140 - 159	Internal program 3
		160 - 179	Internal program 4
		180 - 199	Internal program 5

CHANNEL		DMX VALUES	FUNCTION
20CH	34CH		
20	34		Special Functions (continued)
		200 - 219	Internal program 6
		220 - 239	Internal program 7
		240 - 241	Hibernation off
		242 - 243	Hibernation on
		244 - 246	Home position before power off
		247 - 249	Home position off
		250 - 251	Display off
		252 - 253	Display on
		254 - 255	Reserved