

RELATION PARAGON M - DMX TRAITS

Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
1	1	0-255	Pan Left → Right		127
2	2	0-255	Pan Fine Fine position		127
3	3	0-255	Tilt Forward → Backward		127
4	4	0-255	Tilt Fine Fine position		127
5	5	0-255	Cyan 0 → 100		0
	6	0-255	Cyan Fine Fine saturation		0
6	7	0-255	Magenta 0 → 100		0
	8	0-255	Magenta Fine Fine saturation		0
7	9	0-255	Yellow 0 → 100		0
	10	0-255	Yellow Fine Fine saturation		0
8	11	0-255	CTO 0 → 100		0
	12	0-255	CTO Fine Fine saturation		0
9	13		CRI		127
		0-126	CRI 73 - 80		
		127	CRI 80 (Highest Output)		
		128-255	CRI 80 - 93		
10	14		Color		0
		0-19	Open		
		20-37	Red		
		38-55	Blue		
		56-73	Green		
		74-91	UV		
		92-109	Quad Color	X	
		110-127	Color Smoothing		
			Scroll		
		128-189	Clockwise, fast → slow		
		190-193	Stop		
		194-255	Counter-clockwise, slow → fast		
	15		Color Fine	X	0
		0-255	Position		
11	16		Rotating Gobo		0
		0-9	Open		
		10-19	Gobo 1		
		20-29	Gobo 2		
		30-39	Gobo 3	X	
		40-49	Gobo 4		
		50-59	Gobo 5		
		60-69	Gobo 6		
		70-77	Gobo 7		

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MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
11	16		Rotating Gobo (continued)	X	0
		78-93	Gobo 1 shake, slow to fast		
		94-109	Gobo 2 shake, slow to fast		
		110-125	Gobo 3 shake, slow to fast		
		126-141	Gobo 4 shake, slow to fast		
		142-157	Gobo 5 shake, slow to fast		
		158-173	Gobo 6 shake, slow to fast		
		174-189	Gobo 7 shake, slow to fast		
			Scroll		
		190-221	Clockwise scroll, fast → slow		
		222-223	Stop		
		224-255	Counter-clockwise scroll, slow → fast		
		12	17		
0-127	Index Position				
	Rotate				
129-189	Clockwise, fast → slow				
190-193	Stop				
194-255	Counter-clockwise, slow → fast				
13	18		Rotating Gobo Index/Rotation Fine		0
		0-255	Index position		
14	19		Rotating Gobo 2	X	0
		0-9	Open		
		10-19	Gobo 1		
		20-29	Gobo 2		
		30-39	Gobo 3		
		40-49	Gobo 4		
		50-59	Gobo 5		
		60-69	Gobo 6		
		70-77	Gobo 7		
		78-93	Gobo 1 Shake, slow to fast		
		94-109	Gobo 2 Shake, slow to fast		
		110-125	Gobo 3 Shake, slow to fast		
		126-141	Gobo 4 Shake, slow to fast		
		142-157	Gobo 5 Shake, slow to fast		
		158-173	Gobo 6 Shake, slow to fast		
		174-189	Gobo 7 Shake, slow to fast		
			Scroll		
190-221	Clockwise, fast → slow				
222-223	Stop				
224-255	Counter-clockwise. slow → fast				
15	20		Rotating Gobo 2 Index / Rotation		0
		0-127	Index Position		
			Rotate		
		128-189	Clockwise, fast → slow		
		190-193	Stop		
194-255	Counter-clockwise. slow → fast				
16	21		Rotating Gobo 2 Index / Rotation Fine		0
		0-255	Index Position		
17	22		Rotating Prism 1	X	0
		0-63	Open		
		64-255	4-facet		

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MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
18	23		Rotating Prism 1 Index/Rotation		0
		0-127	Index position		
			Rotate		
		128-189	Clockwise, fast → slow		
		190-193	Stop		
	194-255	Counter-clockwise, slow → fast			
	24		Rotating Prism 1 Index/Rotation Fine		0
		0-255	Index position		
19	25		Rotating Prism 2	X	0
		0-63	Open		
		64-255	4-facet linear		
20	26		Rotating Prism 2 Index/Rotation		0
		0-127	Index position		
			Rotate		
		128-189	Clockwise, fast → slow		
		190-193	Stop		
	194-255	Counter-clockwise, slow → fast			
	27		Rotating Prism 2 Index/Rotation Fine		0
		0-255	Index position		
21	28		Focus		127
		0-255	Infinity → Near		
22	29		Focus Fine		127
		0-255	Fine adjustment		
23	30		Zoom		127
		0-255	Narrow → Wide		
24	31		Zoom Fine		127
		0-255	Fine adjustment		
	32		Auto Focus		0
		0-4	Auto Focus Off		
		5-9	5.0m		
		10-14	5.2m		
		15-19	5.4m		
		20-24	5.6m		
		25-29	5.8m		
		30-34	6.0m		
		35-39	6.3m		
		40-44	6.5m		
		45-49	6.8m		
		50-54	7.0m		
		55-59	7.3m		
		60-64	7.5m		
		65-69	7.7m		
		70-74	8.0m		
		75-79	8.3m		
		80-84	8.5m		
		85-89	8.7m		
		90-94	9.0m		
100-104	9.5m				
105-109	9.8m				
	110-114	10.0m			

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MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
			Auto Focus (continued)		
		115-119	10.5m		
		120-124	11.0m		
		125-129	11.5m		
		130-134	12.0m		
		135-139	12.5m		
		140-144	13.0m		
		145-149	13.5m		
		150-154	14.0m		
		155-159	14.5m		
	32	160-164	15.0m		0
		165-169	15.5m		
		170-174	16.0m		
		175-179	16.5m		
		180-184	17.0m		
		185-189	17.5m		
		190-193	18.0m		
		194-199	18.5m		
		200-204	19.0m		
		205-209	19.5m		
		210-214	20.0m		
		215-255	Idle		
	33		Auto Focus Fine		0
		0-255	Fine adjustment		
			Shutter / Strobe		
		0-31	Closed		
		32-63	Open		
		64-95	Strobe, slow → fast		
25	34	96-127	Open	X	50
		128-159	Pulse effect		
		160-191	Open		
		192-223	Random Strobe, slow → fast		
		224-255	Open		
			Dimmer		
26	35	0-255	Intensity 0 → 100%		0
			Dimmer Fine		
27	36	0-255	Fine adjustment		0
			Dim Modes		
		0-20	Standard		
		21-40	Stage		
28	37	41-60	TV	X	0
		61-80	Architectural		
		81-100	Theatre		
		101-120	Stage 2		

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MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
28	37		Dimmer Delay Time	X	0
		121	0s		
		122	0.1s		
		123	0.2s		
		124	0.3s		
		125	0.4s		
		126	0.5s		
		127	0.6s		
		128	0.7s		
		129	0.8s		
		130	0.9s		
		131	1.0s		
		132	1.5s		
		133	2.0s		
		134	3.0s		
		135	4.0s		
		136	5.0s		
		137	6.0s		
138	7.0s				
139	8.0s				
140	9.0s				
141	10.0s				
142-255	Idle				
29	38		Iris		0
		0-191	Open → Close		
		192-223	Pulse Closing, fast → slow		
		224-255	Pulse Opening, slow → fast		
	39		Iris Fine		0
		0-255	Fine adjustment		
30	40		Frost 1 (Soft)		0
		0-255	Open → Max		
31	41		Frost 2 (Wash)		0
		0-255	Open → Max		
32	42		Animation Wheel		0
		0-7	Open		
		8-255	Min → Max		
			Fixed Gobo Wheel (optional)		
		0-9	Open		
		10-19	Gobo 1		
		20-29	Gobo 2		
		30-39	Gobo 3		
		40-49	Gobo 4		
		50-59	Gobo 5		
		60-69	Gobo 6		
		70-89	Gobo 1 shake, slow to fast		
		90-109	Gobo 2 shake, slow to fast		
		110-129	Gobo 3 shake, slow to fast		
		130-149	Gobo 4 shake, slow to fast		
150-169	Gobo 5 shake, slow to fast				
170-189	Gobo 6 shake, slow to fast				

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Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
32	42		Scroll (optional)		0
		190-221	Clockwise, fast → slow		
		222-223	Stop		
		224-255	Counter-clockwise, slow → fast		
33	43		Animation Index		64
		0-127	Position		
			Scroll		
		128-189	Clockwise, fast → slow		
		190-193	Stop		
		194-255	Counter-clockwise, slow → fast		
			Fixed Gobo Fine (optional)		
0-255	Fine Adjustment		127		
34	44	0-255	Blade 1A Open → Closed		0
	45	0-255	Blade 1A Fine Fine adjustment		0
35	46	0-255	Blade 1B Open → Closed		0
	47	0-255	Blade 1B Fine Fine adjustment		0
36	48	0-255	Blade 2A Open → Closed		0
	49	0-255	Blade 2A Fine Fine adjustment		0
37	50	0-255	Blade 2B Open → Closed		0
	51	0-255	Blade 2B Fine Fine adjustment		0
38	52	0-255	Blade 3A Open → Closed		0
	53	0-255	Blade 3A Fine Fine adjustment		0
39	54	0-255	Blade 3B Open → Closed		0
	55	0-255	Blade 3B Fine Fine adjustment		0
40	56	0-255	Blade 4A Open → Closed		0
	57	0-255	Blade 4A Fine Fine adjustment		0
41	58	0-255	Blade 4B Open → Closed		0
	59	0-255	Blade 4B Fine Fine adjustment		0
42	60		Framing Rotation		127
		0-126	Min (-120°)		
		127-128	Parallel (0°)		
		129-255	Max (+120°)		
	61	0-255	Framing Rotation Fine Fine adjustment		0

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Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
	62		Framing Macro Speed		0
		0-255	Max → Min Speed		
			Framing Macro		
		0-7	Off		
		8-15	Macro 1		
		16-23	Macro 2		
		24-31	Macro 3		
		32-39	Macro 4		
		40-47	Macro 5		
		48-55	Macro 6		
		56-63	Macro 7		
		64-71	Macro 8		
		72-79	Macro 9		
		80-87	Macro 10		
		88-95	Macro 11		
		96-103	Macro 12		
		104-111	Macro 13		
		112-119	Macro 14		
	63	120-127	Macro 15	X	0
		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		
			Pan/Tilt Speed		
		0-225	Max → Min Speed		
	64	226-235	Blackout by movement	X	0
		236-245	Blackout by wheel changes		
		246-255	No Function		
			Control		
		0-19	Wheel Snap		
		20-29	Color Wheel Fade		
		30-39	Color/Gobo Wheel Fade		
			Fan Mode		
43	65	40-44	Studio	X	0
		45-49	Mute		
		50-59	Low		
		60-69	High		
		70-79	Auto (default)		

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Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
43	65		Reset	X	0
		80-84	Fixture		
		85-87	Pan Tilt		
		88-90	Color		
		91-93	Gobo		
		94-96	Focus Zoom		
		97-99	Other Features		
			Refresh Rate (Hz)		
		100	900		
		101	910		
		102	920		
		103	930		
		104	940		
		105	950		
		106	960		
		107	970		
		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 (default)		
		131	1210		
		132	1220		
		133	1230		
134	1240				
135	1250				
136	1260				
137	1270				
138	1280				
139	1290				
140	1300				
141	1310				
142	1320				

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Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
43	65		Refresh Rate (Hz) (continued)	X	0
		143	1330		
		144	1340		
		145	1350		
		146	1360		
		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		
		169-170	CMY Smooth		
		171-172	CMY Fast (default)		
		173-174	Hibernation Off		
		175-176	Hibernation		
		177-178	Sun Protection On (default)		
		179-180	Sun Protection Off		
		181-190	Pan Tilt Smooth		
		191-200	Pan Tilt Fast (default)		
			Dimmer Curve		
		201-210	Linear		
		211-220	Square		
		221-230	Inverse Square		
		231-240	S-Curve (default)		
		241-242	Color Smoothing Disable (default)		
		243-244	Color Smoothing Enable		
		245-249	Idle		
250-251	Display Off				
252-253	Display On (default)				
254-255	Idle				