

# ELATION PROTEUS EXCALIBUR - DMX TRAITS

ELATION PROTEUS EXCALIBUR  
DMX Channel Values / Functions

**Supports Software Versions:  $\geq 1.5.2$**

Features subject to change without notice

MODE/CHANNEL STANDARD	VALUE	FUNCTION	HOLD TIME	DEFAULT	SNAP
1		<b>PAN Movement 8bit</b>			
	0-255	Pan Movement			
2		<b>Pan Fine 16bit</b>			
	0-255	Fine control of Pan movement			
3		<b>TILT Movement 8bit</b>			
	0-255	Tilt Movement			
4		<b>Tilt Fine 16bit</b>			
	0-255	Fine control of Tilt movement			
5		<b>Cyan</b>			
	0-255	Cyan (0-100% Cyan)			
6		<b>Magenta</b>			
	0-255	Magenta (0-100% Magenta)			
7		<b>Yellow</b>			
	0-255	Yellow (0-100% Yellow)			
8		<b>Color Wheel</b>			
	0-15	Open			
	16-22	Red			
	23-29	Green			
	30-36	Yellow			
	37-43	Purple			
	44-50	Light Green			
	51-57	Orange			
	58-64	Magenta			
	65-71	Cyan			
	72-78	Open			
	79-85	Deep Red			
	86-92	Dark Amber			
	93-99	Pink			
	100-106	UV			
	107-113	CTB			
	114-120	CTO			
	121-127	Medium Blue			
		<b>Color Scroll</b>			
	128-180	Clockwise, fast $\rightarrow$ slow			
	181	Idle			
	182-234	Counter-clockwise, slow $\rightarrow$ fast			
		<b>Random Slots</b>			
	235-239	Fast			
	240-244	Medium			
245-249	Slow				
250-255	Open				

Features subject to change without notice

MODE/CHANNEL STANDARD	VALUE	FUNCTION	HOLD TIME	DEFAULT	SNAP
9		<b>Rotating Gobo</b>			
	0-10	Beam open			
	11-21	Spot open			
	22-31	Rot. gobo 1			
	32-41	Rot. gobo 2			
	42-51	Rot. gobo 3			
	52-61	Rot. gobo 4			
	62-71	Rot. gobo 5			
	72-81	Rot. gobo 6			
	82-91	Rot. gobo 7			
	92-101	Rot. gobo 8			
	102-112	Rot. gobo 1 shake			
	113-123	Rot. gobo 2 shake			
	124-134	Rot. gobo 3 shake			
	135-145	Rot. gobo 4 shake			
	146-156	Rot. gobo 5 shake			
	157-167	Rot. gobo 6 shake			
	168-178	Rot. gobo 7 shake			
	179-189	Rot. gobo 8 shake			
190-221	Scroll CW fast to slow				
222-223	Idle				
224-255	Scroll CCW slow to fast				
10		<b>Rotating Gobo Index, Rotation</b>			
	0-127	Gobo indexing			
	128-189	Clockwise gobo scroll from fast to slow			
	190-193	No rotation			
194-255	Counter-clockwise gobo scroll from slow to fast				
11		<b>Rotating gobo fine indexing</b>			
	0-255	Fine indexing			

Features subject to change without notice

MODE/CHANNEL STANDARD	VALUE	FUNCTION	HOLD TIME	DEFAULT	SNAP
12		<b>Fixed gobos1</b>			
	0-4	Open			
	5-9	Gobo 1			
	10-14	Gobo 2			
	15-19	Gobo 3			
	20-24	Gobo 4			
	25-29	Gobo 5			
	30-34	Gobo 6			
	35-39	Gobo 7			
	40-44	Gobo 8			
	45-49	Gobo 9			
	50-54	Gobo 10			
	55-59	Gobo 11			
	60-64	Gobo 12			
	65-69	Gobo 13			
	70-74	Gobo 14			
	75-79	Gobo 15			
	80-84	Gobo 16			
	85-87	Gobo 17			
	88-93	Gobo 1 shake slow to fast			
	94-99	Gobo 2 shake slow to fast			
	100-105	Gobo 3 shake slow to fast			
	106-111	Gobo 4 shake slow to fast			
	112-117	Gobo 5 shake slow to fast			
	118-123	Gobo 6 shake slow to fast			
	124-129	Gobo 7 shake slow to fast			
	130-135	Gobo 8 shake slow to fast			
	136-141	Gobo 9 shake slow to fast			
	142-147	Gobo 10 shake slow to fast			
	148-153	Gobo 11 shake slow to fast			
154-159	Gobo 12 shake slow to fast				
160-165	Gobo 13 shake slow to fast				
166-171	Gobo 14 shake slow to fast				
172-177	Gobo 15 shake slow to fast				
178-183	Gobo 16 shake slow to fast				
184-189	Gobo 17 shake slow to fast				
190-221	Scroll CW fast to slow				
222-223	Idle				
224-255	Scroll CCW slow to fast				

Features subject to change without notice					
MODE/CHANNEL STANDARD	VALUE	FUNCTION	HOLD TIME	DEFAULT	SNAP
13		<b>Prism</b>			
	0-50	Open			
	51-100	Beam Expander			
	101-150	8 Facet			
	151-200	4 Facet Linear			
	201-255	8 Facet + 4 Facet			
14		<b>Prism 1 Rotation</b>			
	0-127	Prism indexing			
	128-189	Clockwise prism rotation from fast to slow			
	190-193	No rotation			
	194-255	Counter-clockwise prism rotation from slow to fast			
15		<b>Prism 1 Rotation Fine</b>			
	0-255	Fine indexing			
16		<b>Prism 2 Rotation</b>			
	0-127	Prism indexing			
	128-189	Clockwise prism rotation from fast to slow			
	190-193	No rotation			
	194-255	Counter-clockwise prism rotation from slow to fast			
17		<b>Prism 2 Rotation Fine</b>			
	0-255	Fine Indexing			
18		<b>Focus</b>			
	0-255	Focus edge adjustment			
19		<b>Focus Fine</b>			
	0-255	Focus adjustment Fine			
20		<b>Shutter, Strobe</b>			
	0-31	Shutter closed			
	32-63	No function (shutter open)			
	64-95	Strobe effect slow to fast			
	96-127	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)			
21		<b>Dimmer</b>			
	0-255	Intensity 0 to 100%			
22		<b>Dimmer Fine</b>			
	0-255	Intensity Fine			
23		<b>Frost1</b>			
	0-255	0% - 100% Frost			
24		<b>Frost 2</b>			
	0-255	0% - 100 Frost			
25		<b>Pan / Tilt Speed</b>			
	0-225	Max to min speed			
	226-235	Blackout by movement			
	236-255	Blackout by all wheel changing			

Features subject to change without notice

MODE/CHANNEL STANDARD	VALUE	FUNCTION	HOLD TIME	DEFAULT	SNAP
26		<b>Control</b>			
	0-19	Colour change normal			
	20-39	Idle			
	40-49	Lamp on			
	50-59	Lamp off			
	60-66	Lamp power 370W			
	67-73	Lamp power 430W			
	74-79	Lamp power 560W			
	80-84	All motor reset			
	85-87	Pan Tilt motor reset			
	88-90	Color motor reset			
	91-93	Gobo motor reset			
	94-96	Shutter & Dimmer motor reset			
	97-99	Other motor reset			
	100-164	Idle			
	165-166	CMY Normal			
	167-168	CMY Fast (default)			
	169-170	Vent Cleaning On			
	171-172	Vent Cleaning Off			
	173-174	Hibernation Off			
	175-176	Hibernation			
	177	Sun Protection On			
	178	Sun Protection Off			
	179-180	Idle			
	181-190	Pan Tilt Smooth (default)			
	191-200	Pan Tilt Fast			
	201-210	Dimmer Curve Linear (default)			
	211-220	Dimmer Curve Square			
	221-230	Dimmer Curve Inverse Square			
	231-240	Dimmer Curve S-Curve			
	241	Internal program 1			
	242	Internal program 2			
	243	Internal program 3			
	244	Internal program 4			
245	Internal program 5				
246	Internal program 6				
247	Internal program 7				
248-249	Idle				
250-251	Display off				
252-253	Display on				
254-255	Idle				