

DMX TRAITS: CHANNEL FUNCTIONS & VALUES

ELATION FUZE WASH FR							
DMX Channel Values / Functions							
Supports Software Versions: ≥ 1.04							
Features subject to change without notice.							
MODE/CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
1	1	1	1		PAN Movement 8bit:	127	
				000-255	Pan Movement		
2	2	2	2		Pan Fine 16bit:	127	
				000-255	Fine control of Pan movement		
3	3	3	3		TILT Movement 8bit:	127	
				000-255	Tilt Movement		
4	4	4	4		Tilt Fine 16bit:	127	
				000-255	Fine control of Tilt movement		
		5	5		Cyan:	0	
				000-255	Cyan (0-100% Cyan)		
		6	6		Cyan Fine:	0	
				000-255	Cyan Fine		
		6	7		Magenta:	0	
				000-255	Magenta (0-100% Magenta)		
		8	8		Magenta Fine:	0	
				000-255	Magenta Fine		
		7	9		Yellow:	0	
				000-255	Yellow (0-100% Yellow)		
		10	10		Yellow Fine:	0	
				000-255	Yellow Fine		
5	5				Red:	255	
				000-255	Red (0-100% Red)		
	6				Red Fine:	255	
				000-255	Red Fine		
6	7				Green:	255	
				000-255	Green (0-100% Green)		
	8				Green Fine:	255	
				000-255	Green Fine		
7	9				Blue:	255	
				000-255	Blue (0-100% Blue)		
	10				Blue Fine:	255	
				000-255	Blue Fine		
8	11				Mint:	255	
				000-255	Mint (0-100% Mint)		
	12				Mint Fine:	255	
				000-255	Mint Fine		
9	13				Amber:	255	
				000-255	Amber (0-100% Amber)		
	14				Amber Fine:	255	
				000-255	Amber Fine		
10	15	8	11		CTO:	0	
				0-23	Open		
				24 -85	CTO 2400K - 8500K (see separate sheet)		
				86-255	8500K		

MODE/CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
11	16	9	12		Color Wheel:	0	
				0	Open		
				1-60	Virtual Swatch Book (see separate sheet)		
				61-179	Open		
					Color Scroll		
				180-201	Clockwise, fast → slow		
				202-207	Stop		
				208-229	Counter-clockwise, slow → fast		
				230-234	Open		
					Random Slots		
				235-239	Fast		
				240-244	Medium		
				245-249	Slow		
250-255	Open						
	17		13		Green Shift	0	
				0	Idle		
				1-127	Full Minus Green to Neutral		
				128	Neutral White		
				129-255	Neutral to Full Plus Green		
12	18	10	14		Focus:	127	
				0-255	Continuous adjustment from near to far		
13	19	11	15		Zoom:	127	
				0-255	Zoom adjustment from small to big		
14	20	12	16		Shutter, strobe	50	X
				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)						
15	21	13	17		Dimmer:	0	
				0-255	Intensity 0 to 100%		
16	22	14	18		Dimmer Fine:	0	
				0-255	Dimmer fine		

MODE/CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
					Dim Modes		
				0-20	Standard		
				21-40	Stage		
				41-60	TV		
				61-80	Architectural		
				81-100	Theatre		
				101- 120	Stage 2		
					Dimmer Delay Time		
				121	0s		
				122	0.1s		
				123	0.2s		
				124	0.3s		
				125	0.4s		
				126	0.5s		
	23		19	127	0.6s	0	X
				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	10s		
				142 - 255	Idle		

MODE/CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
17	24	15	20		Iris:	0	
				0-191	Max. diameter to Min.diameter		
				192-223	Pulse opening fast to slow		
				224-255	Pulse closing slow to fast		
18	25	16	21		Frost Light	0	
				0-255	Open to Full Frost		
19	26	17	22		Frost Medium	0	
				0-255	Open to Full Frost		
20	27	18	23		Blade 1A	0	
				0-255	Open to Close		
	28		24		Blade 1A Fine		
				0-255	Open to Close Fine		
21	29	19	25		Blade 1B		
				0-255	Open to Close		
	30		26		Blade 1B Fine		
				0-255	Open to Close Fine		
22	31	20	27		Blade 2A	0	
				0-255	Open to Close		
	32		28		Blade 2A Fine		
				0-255	Open to Close Fine		
23	33	21	29		Blade 2B		
				0-255	Open to Close		
	34		30		Blade 2B Fine		
				0-255	Open to Close Fine		
24	35	22	31		Blade 3A	0	
				0-255	Open to Close		
	36		32		Blade 3A Fine		
				0-255	Open to Close Fine		
25	37	23	33		Blade 3B		
				0-255	Open to Close		
	38		34		Blade 3B Fine		
				0-255	Open to Close Fine		
26	39	24	35		Blade 4A	0	
				0-255	Open to Close		
	40		36		Blade 4A Fine		
				0-255	Open to Close Fine		
27	41	25	37		Blade 4B		
				0-255	Open to Close		
	42		38		Blade 4B Fine		
				0-255	Open to Close Fine		
28	43	26	39		Framing Rotation:	127	
				0-126	Min (-60 degrees)		
				127-128	Parallel (0 degrees)		
				129-255	Max (+60 degrees)		
	44		40		Framing Speed:	0	
				0-255	Speed Max →Min		

MODE/CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
	45		41		Framing Macro:	0	
				0-7	OFF		
				8-15	Macro1		
				16-23	Macro2		
				24-31	Macro3		
				32-39	Macro4		
				40-47	Macro5		
				48-55	Macro6		
				56-63	Macro7		
				64-71	Macro8		
				72-79	Macro9		
				80-87	Macro10		
				88-95	Macro11		
				96-103	Macro12		
				104-111	Macro13		
				112-119	Macro14		
				120-127	Macro15		
				128-135	Macro16		
				136-143	Macro17		
				144-151	Macro18		
				152-159	Macro19		
				160-167	Macro20		
				168-175	Macro21		
				176-183	Macro22		
				184-191	Macro23		
				192-199	Macro24		
				200-207	Macro25		
				208-215	Macro26		
				216-223	Macro27		
				224-231	Macro28		
				232-239	Macro29		
240-247	Macro30						
248-255	Macro31						
	46		42		Pan / Tilt and Color Speed:	0	
				0-225	Max to min speed		
				226-235	Blackout by movement		
				236-245	Blackout by all wheel changing		
				246-255	No function		
29	47	27	43		Control:	0	X
				0-19	Color change normal		
				20-29	Color change to any position		
				30-39	Color & gobo change to any position		
				40-44	Low Noise - Mute		
				45-49	Low Noise - Studio		
				50-59	Fan Control - Low		
				60-69	Fan Control - High		
				70-79	Fan Control - Auto (Default)		
				80-84	All motor reset		
				85-87	Pan / Tilt reset		
				88-93	Idle		
				94-96	Focus and Zoom reset		
				97-99	Other motor reset		

MODE/CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
29	47	27	43	100-168	Refresh Rate (Hz)	0	X
				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						
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						

MODE/CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
29	47	27	43	146	1360	0	X
				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		
				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 (Scene 1-8)		
				242	Internal program 2 (Scene 9-16)		
				243	Internal program 3 (Scene 17-24)		
				244	Internal program 4 (Scene 25-32)		
245	Internal program 5 (Scene 33-40)						
246	Internal program 6 (Scene 41-48)						
247	Internal program 7 (Scene 49-56)						
248-255	Idle						