

# RELATION FUZE SFX - DMX TRAITS

CHANNEL	VALUE	FUNCTION
1	000 – 255	<b>Pan Movement</b>
2	000 – 255	<b>Pan Movement Fine</b>
3	000 – 255	<b>Tilt Movement</b>
4	000 – 255	<b>Tilt Movement Fine</b>
5		<b>Cyan</b>
	<b>Full</b>	
	000 – 255	Cyan (0 – 100%)
	<b>SFX</b>	
	000 – 170	Cyan (0 – 100%)
	171 – 189	Cyan (100% - Open)
	190 – 221	Scroll Clockwise Fast to Slow
	222 – 223	Stop
224 – 255	Scroll Counter-Clockwise Slow to Fast	
6	000 – 255	<b>Cyan Fine Control</b>
7		<b>Magenta</b>
	<b>Full</b>	
	000 – 255	Magenta (0 – 100%)
	<b>SFX</b>	
	000 – 170	Magenta (0 – 100%)
	171 – 189	Magenta (100% - Open)
	190 – 221	Scroll Clockwise Fast to Slow
	222 – 223	Stop
224 – 255	Scroll Counter-Clockwise Slow to Fast	
8	000 – 255	<b>Magenta Fine Control</b>
9		<b>Yellow</b>
	<b>Full</b>	
	000 – 255	Yellow (0 – 100%)
	<b>SFX</b>	
	000 – 170	Yellow (0 – 100%)
	171 – 189	Yellow (100% - Open)
	190 – 221	Scroll Clockwise Fast to Slow
	222 – 223	Stop
224 – 255	Scroll Counter-Clockwise Slow to Fast	
10	000 – 255	<b>Yellow Fine Control</b>
11		<b>CMY Mix Mode</b>
	000 – 127	Full
	128 – 255	SFX

# RELATION FUZE SFX - DMX TRAITS

CHANNEL	VALUE	FUNCTION	
12		<b>Color Wheel</b>	
	000 – 005	Open	
	006 – 010	White/Red Split	
	011 – 015	Red	
	016 – 020	Red/Yellow Split	
	021 – 025	Yellow	
	026 – 030	Yellow/Green Split	
	031 – 035	Green	
	036 – 040	Green/Orange Split	
	041 – 045	Orange	
	046 – 050	Orange/Pink Split	
	051 – 055	Pink	
	056 – 060	Pink/CTO Split	
	061 – 065	CTO	
	066 – 070	High CRI	
	071 – 075	CTO/High CRI Split	
	076 – 080	CTO/Blue Split	
	081 – 085	Medium Blue	
	086 – 090	Blue/White Split	
	091 – 100	Open	
		<b>Combinations (see Combination Sheet for reference)</b>	
	101	Combo 1	
	102	Combo 2	
	103	Combo 3	
	104	Combo 4	
	105	Combo 5	
	106	Combo 6	
	107	Combo 7	
	108	Combo 8	
	109	Combo 9	
110	Combo 10		
111 – 127	Reserved		
128 – 189	Scroll Clockwise Fast to Slow		
190 – 193	Stop		
194 – 255	Scroll Counter-Clockwise Slow to Fast		

# RELATION FUZE SFX - DMX TRAITS

CHANNEL	VALUE	FUNCTION
13		<b>Rotating Gobo</b>
	000 – 005	Open
	006 – 012	Rotating Gobo 1
	013 – 019	Rotating Gobo 2
	020 – 026	Rotating Gobo 3
	027 – 033	Rotating Gobo 4
	034 – 040	Rotating Gobo 5
	041 – 047	Rotating Gobo 6
	048 – 054	Rotating Gobo 7
	055 – 061	Rotating Gobo 8
	062 – 077	Rotating Gobo 1 Shake, Slow to Fast
	078 – 093	Rotating Gobo 2 Shake, Slow to Fast
	094 – 109	Rotating Gobo 3 Shake, Slow to Fast
	110 – 125	Rotating Gobo 4 Shake, Slow to Fast
	126 – 141	Rotating Gobo 5 Shake, Slow to Fast
	142 – 157	Rotating Gobo 6 Shake, Slow to Fast
	158 – 173	Rotating Gobo 7 Shake, Slow to Fast
	174 – 189	Rotating Gobo 8 Shake, Slow to Fast
	190 – 221	Scroll Clockwise, Fast to Slow
222 – 223	Stop	
224 – 255	Scroll Counter-Clockwise, Slow to Fast	
14		<b>Rotating Gobo Rotation Index</b>
	000 – 127	Gobo Indexing
	128 – 189	Clockwise Gobo Scroll, Fast to Slow
	190 – 193	No Rotation
194 – 255	Counter-Clockwise Gobo Scroll, Slow to Fast	
15	000 – 255	<b>Rotating Gobo Fine Indexing</b>
16		<b>Fixed Gobo</b>
	000 - 005	Open
	006 – 014	Fixed Gobo 1
	015 – 023	Fixed Gobo 2
	024 – 032	Fixed Gobo 3
	033 – 041	Fixed Gobo 4
	042 – 050	Fixed Gobo 5
	051 – 059	Fixed Gobo 6
	060 – 068	Fixed Gobo 7
	069 – 077	Fixed Gobo 8
	078 – 086	Fixed Gobo 9
	087 – 095	Fixed Gobo 10
	096 – 104	Fixed Gobo 1 Shake, Slow to Fast
	105 – 113	Fixed Gobo 2 Shake, Slow to Fast
	114 – 122	Fixed Gobo 3 Shake, Slow to Fast
	123 – 131	Fixed Gobo 4 Shake, Slow to Fast
	132 – 140	Fixed Gobo 5 Shake, Slow to Fast
	141 – 149	Fixed Gobo 6 Shake, Slow to Fast
	150 – 158	Fixed Gobo 7 Shake, Slow to Fast
	159 – 167	Fixed Gobo 8 Shake, Slow to Fast
	168 – 176	Fixed Gobo 9 Shake, Slow to Fast
	177 – 185	Fixed Gobo 10 Shake, Slow to Fast
	186 – 217	Scroll Clockwise, Fast to Slow
218 – 223	Stop	
224 – 255	Scroll Counter-Clockwise, Slow to Fast	

# RELATION FUZE SFX - DMX TRAITS

CHANNEL	VALUE	FUNCTION	DEFAULT	SNAP	HOLD
17		<b>SFX</b>	0	X	
	000 – 020	Open			
	021 – 040	Prism 1			
	041 – 060	Prism 2			
	061 – 080	Prism 1 + 2			
	081 – 100	Idle			
	101	SFX 1			
	102	SFX 2			
	...	...			
	200	SFX 100			
	201 – 255	Idle			
18		<b>Prism 1 Index / Rotation / SFX Speed</b>	0		
	000 – 127	Prism Indexing			
	128 – 189	Clockwise Prism Rotation, Fast to Slow			
	190 – 193	No Rotation			
	194 – 255	Counter-Clockwise Prism Rotation, Slow to Fast			
19		<b>Prism 2 Index / Rotation</b>	0		
	000 – 127	Prism Indexing			
	128 – 189	Clockwise Prism Rotation, Fast to Slow			
	190 – 193	No Rotation			
	194 – 255	Counter-Clockwise Prism Rotation, Slow to Fast			
20	000 – 255	<b>Focus Adjustment, Near to Far</b>	127		
21	000 – 255	<b>Fine Focus Adjustment</b>	0		
22	000 – 255	<b>Zoom Adjustment, Out to In</b>	127		
23	000 – 255	<b>Fine Zoom Adjustment</b>	0		
24		<b>Strobe</b>	50	X	
	000 – 031	Off (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)			
25	000 – 255	<b>Dimmer Intensity, 0 to 100%</b>			
26	000 – 255	<b>Dimmer Fine</b>			

# RELATION FUZE SFX - DMX TRAITS

CHANNEL	VALUE	FUNCTION
27		<b>Dimmer Configuration</b>
		<b>Dim Modes</b>
	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	0.0s
	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	
28		<b>Iris</b>
	000 – 191	Iris Diameter, Maximum to Minimum
	192 – 223	Pulse Opening, Fast to Slow
	224 – 255	Pulse Closing, Slow to Fast
29	000 – 255	<b>Frost, Open to Full</b>
30		<b>Pan / Tilt and Color Speed</b>
	000 – 225	Speed, Maximum to Minimum
	226 – 235	Blackout by Movement
	236 – 245	Blackout by All Wheel Changing
	246 – 255	No Function

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CHANNEL	VALUE	FUNCTION
		<b>CONTROL</b>
	000 – 009	Color Change Normal
	010 – 019	Color Change to Any Position
	020 – 029	Color & Gobo Change to Any Position
	030 – 034	Color Correct Gobo Disabled
	035 – 039	Color Correct Gobo Enabled
	040 – 044	Low Noise – Mute
	045 – 049	Low Noise – Studio
	050 – 059	Fan Control – Low
	060 – 069	Fan Control – High
	070 – 079	Fan Control – Auto (Default)
	080 – 084	Reset All Motors
	085 – 087	Pan / Tilt Reset
	088 – 090	Color Reset
	091 – 093	Gobo Reset
	094 – 096	Focus and Zoom Reset
	097 – 099	Reset Other Motors
		<b>Refresh Rate</b>
31	100	900 Hz
	101	910 Hz
	102	920 Hz
	103	930 Hz
	104	940 Hz
	105	950 Hz
	106	960 Hz
	107	970 Hz
	108	980 Hz
	109	990 Hz
	110	1000 Hz
	111	1010 Hz
	112	1020 Hz
	113	1030 Hz
	114	1040 Hz
	115	1050 Hz
	116	1060 Hz
	117	1070 Hz
	118	1080 Hz
	119	1090 Hz
	120	1100 Hz

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CHANNEL	VALUE	FUNCTION
31	121	1110 Hz
	122	1120 Hz
	123	1130 Hz
	124	1140 Hz
	125	1150 Hz
	126	1160 Hz
	127	1170 Hz
	128	1180 Hz
	129	1190 Hz
	130	1200 Hz
	131	1210 Hz
	132	1220 Hz
	133	1230 Hz
	134	1240 Hz
	135	1250 Hz
	136	1260 Hz
	137	1270 Hz
	138	1280 Hz
	139	1290 Hz
	140	1300 Hz
	141	1310 Hz
	142	1320 Hz
	143	1330 Hz
	144	1340 Hz
	145	1350 Hz
	146	1360 Hz
	147	1370 Hz
	148	1380 Hz
	149	1390 Hz
	150	1400 Hz
	151	1410 Hz
	152	1420 Hz
	153	1430 Hz
	154	1440 Hz
	155	1450 Hz
	156	1460 Hz
	157	1470 Hz
	158	1480 Hz
	159	1490 Hz
	160	1500 Hz

## RELATION FUZE SFX - DMX TRAITS

CHANNEL	VALUE	FUNCTION
31	161	2500 Hz
	162	4000 Hz
	163	5000 Hz
	164	6000 Hz
	165	10000 Hz
	166	15000 Hz
	167	20000 Hz
	168	25000 Hz
	169 – 174	CMY Mode Shortest Path
	175 – 179	CMY Mode Long Path
	180 – 190	Idle
	191 – 195	Hibernation OFF
	196 – 200	Hibernation ON
		<b>DIMMER CURVE</b>
	201 – 210	Linear (Default)
	211 – 220	Square
	221 – 230	Inverse Square
	231 – 240	S-Curve
	241 – 255	Idle