

RELATION FUZE PFX - DMX TRAITS

Features subject to change without notice

MODE/CHANNEL		VALUE	FUNCTION	SNAP	DEFAULT	
STANDARD	EXTENDED					
1	1	0-255	Pan		127	
			Left → Right			
2	2	0-255	Pan Fine		127	
			Fine Position			
3	3	0-255	Tilt		127	
			Forward → Backward			
4	4	0-255	Tilt Fine		127	
			Fine Position			
5	5	0-255	Cyan		0	
			0 → 100%			
			SFX			
		0-170	0 → 100%			
		171-189	100% → 0%			
		190-221	Clockwise Fast → Slow			
		222-223	Stop			
224-255	Counter-clockwise Slow → Fast					
	6	0-255	Cyan Fine		0	
			Fine Saturation			
6	7	0-255	Magenta		0	
			0 → 100%			
			SFX			
		0-170	0 → 100%			
		171-189	100% → 0%			
		190-221	Clockwise Fast → Slow			
		222-223	Stop			
224-255	Counter-clockwise Slow → Fast					
	8	0-255	Magenta Fine		0	
			Fine Saturation			
7	9	0-255	Yellow		0	
			0 → 100%			
			SFX			
		0-170	0 → 100%			
		171-189	100% → 0%			
		190-221	Clockwise Fast → Slow			
		222-223	Stop			
224-255	Counter-clockwise Slow → Fast					
	10	0-255	Yellow Fine		0	
			Fine Saturation			
8	11		CTO		0	
			Open → 2700K			
	12		CTO Fine		0	
			Fine Adjustment			
9	13		CMY Mix Mode		0	
			0-127			Full
			128-255			SFX

DMX TRAITS

MODE/CHANNEL		VALUE	FUNCTION	SNAP	DEFAULT
STANDARD	EXTENDED				
10	14		Color		0
		0	Open		
		1-11	Open/Color1		
		12-22	Color 1		
		23-33	Color 1/2		
		34-44	Color 2		
		45-55	Color 2/3		
		56-66	Color 3		
		67-77	Color 3/4		
		78-88	Color 4		
		89-99	Color 4/5		
		100-110	Color 5		
		111-121	Color 5/6		
		122-132	Color 6		
		133-143	Color 6/7		
		144-154	Color 7		
		155-165	Color 7/8		
		166-176	Color 8		
		177-188	Color 8/Open		
		189-192	Open		
	Scroll				
193-223	Clockwise Fast → Slow				
224	Stop				
	225-255	Counter-clockwise Slow → Fast			
11	15		Rotating Gobo Wheel		0
		0-9	Open		
		10-19	Rotating Gobo 1		
		20-29	Rotating Gobo 2		
		30-39	Rotating Gobo 3		
		40-49	Rotating Gobo 4		
		50-59	Rotating Gobo 5		
		60-69	Rotating Gobo 6		
		70-77	Rotating Gobo 7		
		78-93	Gobo 1 Shake Slow → Fast		
		94-109	Gobo 2 Shake Slow → Fast		
		110-125	Gobo 3 Shake Slow → Fast		
		126-141	Gobo 4 Shake Slow → Fast		
		142-157	Gobo 5 Shake Slow → Fast		
		158-173	Gobo 6 Shake Slow → Fast		
		174-189	Gobo 7 Shake Slow → Fast		
		190-221	Clockwise Fast → Slow		
		222-223	Stop		
	224-255	Counter-clockwise Slow → Fast			
12	16		Rotating Gobo Index/Rotation		0
		0-127	Index Position		
			Rotate		
		128-189	Clockwise Fast → Slow		
		190-193	Stop		
	194-255	Counter-clockwise Slow → Fast			
13	17	0-255	Rotating Gobo Index/Rotation Fine Fine Adjustment		0

DMX TRAITS

MODE/CHANNEL		VALUE	FUNCTION	SNAP	DEFAULT
STANDARD	EXTENDED				
14	18		Fixed Gobo Wheel		0
		0-9	Open		
		10-17	Gobo 1		
		18-25	Gobo 2		
		26-33	Gobo 3		
		34-41	Gobo 4		
		42-49	Gobo 5		
		50-57	Gobo 6		
		58-65	Gobo 7		
		66-73	Gobo 8		
		74-81	Gobo 9		
		82-89	Gobo 10		
		90-97	Gobo 11		
		98-105	Gobo 1 Shake Slow → Fast		
		106-111	Gobo 2 Shake Slow → Fast		
		112-119	Gobo 3 Shake Slow → Fast		
		120-127	Gobo 4 Shake Slow → Fast		
		128-135	Gobo 5 Shake Slow → Fast		
		136-143	Gobo 6 Shake Slow → Fast		
		144-151	Gobo 7 Shake Slow → Fast		
		152-159	Gobo 8 Shake Slow → Fast		
		160-167	Gobo 9 Shake Slow → Fast		
		168-175	Gobo 10 Shake Slow → Fast		
		176-181	Gobo 11 Shake Slow → Fast		
182-189	Idle				
	Scroll				
190-221	Clockwise Fast → Slow				
222-223	Stop				
224-255	Counter-clockwise Slow → Fast				
15	19		Prism	X	0
		0-20	Open		
		21-40	Prism 1 4-Facet Linear		
		41-60	Prism 2 4-Facet Round		
		61-80	Prism 1+2		
81-255	Idle				
16	20		Prism 1 Index/Rotation		64
		0-127	Index Position		
			Rotate		
		128-189	Clockwise Fast → Slow		
		190-193	Stop		
		194-255	Counter-clockwise Slow → Fast		
	21	0-255	Prism 1 Index/Rotation Fine Fine Adjustment		127
17	22		Prism 2 Index/Rotation		64
		0-127	Index Position		
			Rotate		
		128-189	Clockwise Fast → Slow		
		190-193	Stop		
		194-255	Counter-clockwise Slow → Fast		
	23	0-255	Prism 2 Index/Rotation Fine Fine Adjustment		127

DMX TRAITS

MODE/CHANNEL		VALUE	FUNCTION	SNAP	DEFAULT
STANDARD	EXTENDED				
18	24	0-255	Focus Infinity → Near		127
19	25	0-255	Focus Fine Fine Adjustment		127
20	26	0-255	Zoom Narrow → Wide		127
21	27	0-255	Zoom Fine Fine Adjustment		127
22	28		Strobe		50
		0-31	Closed		
		32-63	Open		
		64-95	Strobe effect slow to fast		
		96-127	Open		
		128-159	Pulse Effect		
		160-191	Open		
		192-223	Random Slow → Fast		
224-255	Open				
23	29	0-255	Dimmer 0 → 100%		0
24	30	0-255	Dimmer Fine Fine Adjustment		0
	31		Dimmer Modes	X	0
		0-20	Standard		
		21-40	Stage		
		41-60	TV		
		61-80	Architectural		
		81-100	Theatre		
		101-120	Stage 2		
			Dimmer Time		
		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	10s				
142-255	Idle				

DMX TRAITS

MODE/CHANNEL		VALUE	FUNCTION	SNAP	DEFAULT
STANDARD	EXTENDED				
25	32		Iris		0
		0-191	Open → Closed		
		192-223	Pulse opening fast to slow		
		224-255	Pulse closing slow to fast		
	33	0 - 255	Iris Fine Fine Adjustment		0
26	34	0 - 255	Frost (Light) Open → Max		0
27	35	0 - 255	Frost (Wash) Open → Max		0
28	36	0-255	Blade 1 A Open → Closed		0
	37	0-255	Blade 1 A Fine Fine Adjustment		0
29	38	0-255	Blade 1 B Open → Closed		0
	39	0-255	Blade 1 B Fine Fine Adjustment		0
30	40	0-255	Blade 2 A Open → Closed		0
	41	0-255	Blade 2 A Fine Fine Adjustment		0
31	42	0-255	Blade 2 B Open → Closed		0
	43	0-255	Blade 2 B Fine Fine Adjustment		0
32	44	0-255	Blade 3 A Open → Closed		0
	45	0-255	Blade 3 A Fine Fine Adjustment		0
33	46	0-255	Blade 3 B Open → Closed		0
	47	0-255	Blade 3 B Fine Fine Adjustment		0
34	48	0-255	Blade 4 A Open → Closed		0
	49	0-255	Blade 4 A Fine Fine Adjustment		0
35	50	0-255	Blade 4 B Open → Closed		0
	51	0-255	Blade 4 B Fine Fine Adjustment		0
36	52		Framing Rotation		127
		0-126	Min (-60°)		
		127-128	Parallel (0°)		
		129-255	Max (+60°)		
	53	0-255	Framing Rotation Fine Fine Adjustment		127
37	54		Pan / Tilt Speed	X	0
		0-225	Max → Min Speed		
		226-235	Blackout by movement		
		236-245	Blackout by wheel changes		
		246-255	No function		

DMX TRAITS

MODE/CHANNEL		VALUE	FUNCTION	SNAP	DEFAULT
STANDARD	EXTENDED				
38	55		Control		0
		0-19	Wheel Snap		
		20-39	Wheel Fade		
			Fan Mode		
		40-44	Mute		
		45-49	Studio		
		50-59	Low		
		60-69	High		
		70-79	Auto		
			Reset		
		80-84	All		
		85-87	Pan / Tilt		
		88-90	Color		
		91-93	Gobo		
		94-96	Focus and Zoom		
		97-99	Others		
		100-168	Refresh Rate (Hz) See Table on page 26		
		169-174	CMY Shortest Path		
		175-179	CMY Longest Path		
		180-200	Idle		
			Dimmer Curves		
		201-210	Linear		
		211-220	Square		
		221-230	Inverse Square		
231-240	S-Curve				
241-255	Idle				

REFRESH RATE

DMX VALUE	REFRESH RATE (HZ)	DMX VALUE	REFRESH RATE (HZ)
100	900	135	1250
101	910	136	1260
102	920	137	1270
103	930	138	1280
104	940	139	1290
105	950	140	1300
106	960	141	1310
107	970	142	1320
108	980	143	1330
109	990	144	1340
110	1000	145	1350
111	1010	146	1360
112	1020	147	1370
113	1030	148	1380
114	1040	149	1390
115	1050	150	1400
116	1060	151	1410
117	1070	152	1420
118	1080	153	1430
119	1090	154	1440
120	1100	155	1450
121	1110	156	1460
122	1120	157	1470
123	1130	158	1480
124	1140	159	1490
125	1150	160	1500
126	1160	161	2500
127	1170	162	4000
128	1180	163	5000
129	1190	164	6000
130	1200	165	10000
131	1210	166	15000
132	1220	167	20000
133	1230	168	25000
134	1240		