

DMX CHANNEL FUNCTIONS AND VALUES

FUZE SPOT™ DMX Channel Values / Functions (41 DMX Channels)

Supports Software Versions: ≥ 1.0.3

Features subject to change without any prior written notice.

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
1	1	1	1		PAN Movement 8bit	127	
				0-255	Pan Movement		
2	2	2	2		Pan Fine 16bit	127	
				0-255	Fine Control of Pan Movement		
3	3	3	3		TILT Movement 8bit	127	
				0-255	Tilt Movement		
4	4	4	4		Tilt Fine 16bit	127	
				0-255	Fine Control of Tilt Movement		
		5	5		Cyan	0	
				0-255	0 → 100%		
			6		Cyan Fine	0	
				0-255	Fine Cyan Control		
		6	7		Magenta	0	
				0-255	0 → 100%		
			8		Magenta Fine	0	
				0-255	Fine Magenta Control		
		7	9		Yellow	0	
				0-255	0 → 100%		
			10		Yellow Fine	0	
				0-255	Fine Yellow Control		
5	5				Red	255	
				0-255	0 → 100%		
	6				Red Fine	255	
		0-255	Fine Red Control				
6	7				Green	255	
			0-255	0 → 100%			
	8				Green Fine	255	
		0-255	Fine Green Control				
7	9				Blue	255	
			0-255	0 → 100%			
	10				Blue Fine	255	
		0-255	Fine Blue Control				

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
8	11				Mint	255	
				0-255	0 → 100%		
	12				Mint Fine	255	
				0-255	Fine Mint Control		
9	13				Amber	255	
				0-255	0 → 100%		
	14				Amber Fine	255	
				0-255	Fine Amber Control		
10	15	8	11		Color Temperature Control	0	
				0-23	Disabled		
				24 -85	2400K to 8500K (100K Steps) (See Table Page 34)		
				86-255	8500K		
11	16	9	12		Color Wheel	0	
				0	Open		
				1-60	Virtual Gel Swatch Book (See Table Page 35)		
				61-179	No Function		
					Color Scroll		
				180-201	CW Rotation Fast to Slow		
				202-207	Stop		
				208-229	CCW Rotation Slow to 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		

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
12	18	10	14		Gobo Wheel 1	0	X
				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		
				190-221	Gobo Wheel Scroll CW Fast to Slow		
222-223	Stop						
224-255	Gobo Wheel Scroll CCW Slow to Fast						
13	19	11	15		Gobo Wheel 1 Gobo Index/Rotation	63	
				0-127	Gobo Indexing		
				128-189	Gobo Scroll CW Fast to Slow		
				190-193	No Rotation		
				194-255	Gobo Scroll CCW Slow to Fast		
14	20	12	16		Gobo Wheel 1 Gobo Fine Index	0	
				0-255	Fine Indexing		
15	21	13	17		Gobo Wheel 2	0	X
				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		
				190-221	Gobo Wheel Scroll CW Fast to Slow		
222-223	Stop						
224-255	Gobo Wheel Scroll CCW Slow to Fast						

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
16	22	14	18		Gobo Wheel 2 Gobo Index/Rotation	63	
				0-127	Gobo Indexing		
				128-189	Gobo Scroll CW Fast to Slow		
				190-193	No Rotation		
				194-255	Gobo Scroll CCW Slow to Fast		
17	23	15	19		Gobo Wheel 2 Gobo Fine Index	0	
				0-255	Fine Indexing		
18	24	16	20		Prism, Prism/Gobo Macros		
				0-63	Open		
				64-95	Prism		
				96-127	Idle		
				128-135	Prism/Gobo Macro1		
				136-143	Prism/Gobo Macro2		
				144-151	Prism/Gobo Macro3		
				152-159	Prism/Gobo Macro4		
				160-167	Prism/Gobo Macro5		
				168-175	Prism/Gobo Macro6		
				176-183	Prism/Gobo Macro7		
				184-191	Prism/Gobo Macro8		
				192-199	Prism/Gobo Macro9		
				200-207	Prism/Gobo Macro10		
				208-215	Prism/Gobo Macro11		
				216-223	Prism/Gobo Macro12		
				224-231	Prism/Gobo Macro13		
232-239	Prism/Gobo Macro14						
240-247	Prism/Gobo Macro15						
248-255	Prism/Gobo Macro16						
19	25	17	21		Prism Index/Prism Rotation		
				0-127	Prism Indexing		
				128-189	Prism Rotation CW Fast to Slow		
				190-193	No Rotation		
				194-255	Prism Rotation CCW Slow to Fast		
	26		22		Prism Fine Index Rotation		
				0-255	Fine Indexing		

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
20	27	18	23		Focus	127	
				0-255	Continuous Adjustment Near to Far		
21	28	19	24		Focus Fine	0	
				0-255	Continuous Adjustment Fine		
22	29	20	25		Zoom	127	
				0-255	Zoom Adjustment Small to Big		
23	30	21	26		Zoom Fine	0	
				0-255	Zoom Adjustment Fine		
24	31	22	27		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)						
25	32	23	28		Dimmer	0	
				0-255	Intensity 0 → 100%		
26	33	24	29		Dimmer Fine	0	
				0-255	Dimmer Fine Adjustment		

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
	34		30		Dim Modes	0	X
				0-20	Standard		
				21-40	Stage		
				41-60	TV		
				61-80	Architectural		
				81-100	Theatre		
				101-120	Stage 2		
					Dimmer Delay Time		
				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	10s					
	142-255	Idle					
27	35	25	31		Iris	0	
				0-191	Max to Min Diameter		
				192-223	Pulse Opening Fast to Slow		
				224-255	Pulse Closing Slow to Fast		
	36		32		Iris Fine	0	
				0-255	Iris Fine Adjustment		
28	37	26	33		Frost	0	
				0-255	Open to Full Frost		
29	38	27	34		Animation Wheel		
				0-7	Open		
				8-255	Animation Min to Max		

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
30	39	28	35		Animation Index Rotation		
				0-127	Animation Indexing		
				128-189	Animation Rotation CW Fast to Slow		
				190-193	No Rotation		
				194-255	Animation Rotation CCW Slow to Fast		
	40		36		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		
31	41	29	37		Control	0	X
				0-19	Color Change Normal		
				20-29	Color Change to Any position		
				30-39	Color/Gobo Change to Any Position		
				40-59	Fan Mode Low		
				60-69	Fan Mode High		
				70-79	Fan Mode Auto		
				80-84	All Motor Reset		
				85-87	Pan / Tilt Reset		
				88-90	Color Reset		
				91-93	Gobo Reset		
				94-96	Focus and Zoom Reset		
				97-99	Other Motor Reset		
					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						

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
31	41	29	37		Refresh Rate (Hz)	0	X
				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		
				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						

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
31	41	29	37		Refresh Rate (Hz)	0	X
				161	2500		
				162	4000		
				163	5000		
				164	6000		
				165	10,000		
				166	15,000		
				167	20,000		
				168	25,000		
				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						

COLOR TEMPERATURE			
VALUE	COLOR TEMP (K)	VALUE	COLOR TEMP (K)
24	2400	55	5500
25	2500	56	5600
26	2600	57	5700
27	2700	58	5800
28	2800	59	5900
29	2900	60	6000
30	3000	61	6100
31	3100	62	6200
32	3200	63	6300
33	3300	64	6400
34	3400	65	6500
35	3500	66	6600
36	3600	67	6700
37	3700	68	6800
38	3800	69	6900
39	3900	70	7000
40	4000	71	7100
41	4100	72	7200
42	4200	73	7300
43	4300	74	7400
44	4400	75	7500
45	4500	76	7600
46	4600	77	7700
47	4700	78	7800
48	4800	79	7900
49	4900	80	8000
50	5000	81	8100
51	5100	82	8200
52	5200	83	8300
53	5300	84	8400
54	5400	85	8500

VIRTUAL GEL SWATCH BOOK

VALUE	FILTER#	COLOR	VALUE	FILTER#	COLOR
1	7	Pale Yellow	31	126	Mauve
2	103	Straw	32	49	Medium Purple
3	151	Gold Tint	33	58	Lavender
4	100	Spring Yellow	34	199	Palace Blue
5	10	Medium Yellow	35	119	Dark Blue
6	101	Yellow	36	132	Medium Blue
7	104	Deep Amber	37	120	Deep Blue
8	15	Deep Straw	38	165	Daylight Blue
9	179	Loving Amber	39	161	Slate Blue
10	21	Gold Amber	40	118	Light Blue
11	105	Orange	41	68	Sky Blue
12	158	Deep Orange	42	143	Pale Navy Blue
13	22	Dark Amber	43	131	Marine Blue
14	778	Millennium Gold	44	115	Peacock Blue
15	135	Deep Golden Amber	45	172	Lagoon Blue
16	24	Scarlet	46	116	Medium Blue Green
17	106	Primary Red	47	90	Dark Yellow Green
18	26	Bright Red	48	139	Primary Green
19	27	Medium Red	49	122	Fern Green
20	19	Fire	50	89	Moss Green
21	157	Pink	51	124	Dark Green
22	36	Medium Pink	52	88	Lime Green
23	111	Dark Pink	53	138	Pale Green
24	128	Bright Pink	54	203	Quarter CT Blue
25	148	Bright Rose	55	202	Half CT Blue
26	332	Special Rose Pink	56	201	FULL CT Blue
27	793	Vanity Fair	57	200	Double CT Blue
28	113	Magenta	58	206	Quarter CT Orange
29	46	Dark Magenta	59	205	Half CT Orange
30	48	Rose Purple	60	204	FULL CT Orange