

# DMX CHANNEL FUNCTIONS AND VALUES

FUZE PROFILE™ DMX Channel Values / Functions (59 DMX Channels)

Supports Software Versions: ≥ 1.0.8

Features subject to change without any prior written notice.

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

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
8	11				<b>Mint</b>	255	
				0-255	0 → 100%		
	12				<b>Mint Fine</b>	255	
				0-255	Fine Mint Control		
9	13				<b>Amber</b>	255	
				0-255	0 → 100%		
	14				<b>Amber Fine</b>	255	
				0-255	Fine Amber Control		
10	15	8	11		<b>Color Temperature Control</b>	0	
				0-23	Disabled		
				24 -85	2400K to 8500K (100K Steps) (See Table Page 34)		
				86-255	8500K		
11	16	9	12		<b>Color Wheel</b>	0	
				0	Open		
				1-60	Virtual Gel Swatch Book (See Table Page 35)		
				61-179	No Function		
					<b>Color Scroll</b>		
				180-201	Rotation CW Fast to Slow		
				202-207	Stop		
				208-229	Rotation CCW Slow to Fast		
				230-234	Open		
					<b>Random Slots</b>		
				235-239	Fast		
				240-244	Medium		
245-249	Slow						
250-255	Open						
	17		13		<b>Green Shift</b>	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		<b>Gobo Wheel 1 - Rotating</b>	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		<b>Gobo Wheel 1 Gobo Index/Scroll Rotation</b>	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		<b>Gobo Wheel 1 Gobo Fine Index Rotation</b>	0	
				0-255	Fine Indexing		
15	21	13	17		<b>Gobo Wheel 2 - Fixed</b>	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		
				70-77	Gobo 7		
				78-90	Gobo 1 Shake Slow to Fast		
				94-109	Gobo 2 Shake Slow to Fast		
				110-125	Gobo 3 Shake Slow to Fast		
				126-141	Gobo 4 Shake Slow to Fast		
				142-157	Gobo 5 Shake Slow to Fast		
				158-173	Gobo 6 Shake Slow to Fast		
174-189	Gobo 7 Shake Slow to Fast						
190-221	Gobo Wheel Rotation CW Fast to Slow						
222-223	Stop						
224-255	Gobo Wheel Rotation CCW Slow to Fast						

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
16	22	14	18		<b>Prism, Prism/Gobo Macros</b>		
				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						
17	23	15	19		<b>Prism Index/Prism Rotation</b>		
				0-127	Prism Indexing		
				128-189	Prism Rotation CW Fast to Slow		
				190-193	No Rotation		
				194-255	Prism Rotation CCW Slow to Fast		
	24		20		<b>Prism Fine Index Rotation</b>		
		0-255		Fine Indexing			
18	25	16	21		<b>Focus</b>	127	
				0-255	Continuous Adjustment Near to Far		
19	26	17	22		<b>Focus Fine</b>	0	
				0-255	Continuous Adjustment Fine		
20	27	18	23		<b>Zoom</b>	127	
				0-255	Zoom Adjustment Small to Big		
21	28	19	24		<b>Zoom Fine</b>	0	
				0-255	Zoom Adjustment Fine		
22	29	20	25		<b>Shutter, Strobe</b>	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)						

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
23	30	21	26		<b>Dimmer</b>	0	
				0-255	Intensity 0 → 100%		
24	31	22	27		<b>Dimmer Fine</b>	0	
				0-255	Dimmer Fine Adjustment		
	32		28		<b>Dim Modes</b>	0	X
				0-20	Standard		
				21-40	Stage		
				41-60	TV		
				61-80	Architectural		
				81-100	Theatre		
				101-120	Stage 2		
					<b>Dimmer Delay Time</b>		
				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						
25	33	23	29		<b>Iris</b>	0	
				0-191	Max to Min Diameter		
				192-223	Pulse Opening Fast to Slow		
				224-255	Pulse Closing Slow to Fast		
	34		30		<b>Iris Fine</b>	0	
				0-255	Iris Fine Adjustment		
26	35	24	31		<b>Frost</b>	0	
				0-255	Open to Full Frost		

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
27	36	25	32		<b>Animation Wheel</b>		
				0-7	Open		
				8-255	Animation Min to Max		
28	37	26	33		<b>Animation Index Rotation</b>		
				0-127	Animation Indexing		
				128-189	Animation Rotation CW Fast to Slow		
				190-193	No Rotation		
				194-255	Animation Rotation CCW Slow to Fast		
29	38	27	34		<b>Blade 1A</b>	0	
				0-255	Open to Close		
	39		35		<b>Blade 1A Fine</b>	0	
		0-255		Open to Close Fine			
30	40	28	36		<b>Blade 1B</b>	0	
				0-255	Open to Close		
	41		37		<b>Blade 1B Fine</b>	0	
		0-255		Open to Close Fine			
31	42	29	38		<b>Blade 2A</b>	0	
				0-255	Open to Close		
	43		39		<b>Blade 2A Fine</b>	0	
		0-255		Open to Close Fine			
32	44	30	40		<b>Blade 2B</b>	0	
				0-255	Open to Close		
	45		41		<b>Blade 2B Fine</b>	0	
		0-255		Open to Close Fine			
33	46	31	42		<b>Blade 3A</b>	0	
				0-255	Open to Close		
	47		43		<b>Blade 3A Fine</b>	0	
		0-255		Open to Close Fine			
34	48	32	44		<b>Blade 3B</b>	0	
				0-255	Open to Close		
	49		45		<b>Blade 3B Fine</b>	0	
		0-255		Open to Close Fine			
35	50	33	46		<b>Blade 4A</b>	0	
				0-255	Open to Close		
	51		47		<b>Blade 4A Fine</b>	0	
		0-255		Open to Close Fine			
36	52	34	48		<b>Blade 4B</b>	0	
				0-255	Open to Close		
	53		49		<b>Blade 4B Fine</b>	0	
		0-255		Open to Close Fine			

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
37	54	35	50		<b>Framing Rotation</b>	127	
				0-126	Min (-60 degrees)		
				127-128	Parallel (0 degrees)		
				129-255	Max (+60 degrees)		
	55		51		<b>Framing Rotation Fine</b>	0	
		0-255		Framing Rotation Fine			
	56		52		<b>Framing Speed</b>		
		0-255		Speed Max to Min			
	57		53		<b>Framing Macros</b>		
		0-7		OFF			
		8-15		Framing Macro 1			
		16-23		Framing Macro 2			
		24-31		Framing Macro 3			
		32-39		Framing Macro 4			
		40-47		Framing Macro 5			
		48-55		Framing Macro 6			
		56-63		Framing Macro 7			
		64-71		Framing Macro 8			
		72-79		Framing Macro 9			
		80-87		Framing Macro 10			
		88-95		Framing Macro 11			
		96-103		Framing Macro 12			
		104-111		Framing Macro 13			
		112-119		Framing Macro 14			
		120-127		Framing Macro 15			
		128-135		Framing Macro 16			
		136-143		Framing Macro 17			
		144-151		Framing Macro 18			
		152-159		Framing Macro 19			
		160-167		Framing Macro 20			
		168-175		Framing Macro 21			
		176-183		Framing Macro 22			
		184-191		Framing Macro 23			
		192-199		Framing Macro 24			
		200-207		Framing Macro 25			
		208-215		Framing Macro 26			
		216-223		Framing Macro 27			
		224-231		Framing Macro 28			
		232-239		Framing Macro 29			
	240-247	Framing Macro 30					
	248-255	Framing Macro 31					

MODE / CHANNEL				VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended				
	58		54		<b>Pan / Tilt and Color Speed</b>	0	
				0-225	Max to Min speed		
				226-235	Blackout by Movement		
				236-245	Blackout by All Wheel Changing		
				246-255	No Function		
38	59	36	55		<b>Control</b>	0	X
				0-19	Color Change Normal		
				20-29	Color Change to Any position		
				30-39	Color / Gobo Change to Any Position		
				40-44	Fan Mode Studio		
				45-49	Fan Mode Mute		
				50-59	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		
					<b>Refresh Rate (Hz)</b>		
				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				
38	59	36	55		<b>Refresh Rate (Hz)</b>	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				
38	59	36	55		<b>Refresh Rate (Hz)</b>	0	X
				161	2500		
				162	4000		
				163	5000		
				164	6000		
				165	10,000		
				166	15,000		
				167	20,000		
				168	25,000		
				169-190	Idle		
				191-195	Hibernation OFF		
				196-200	Hibernation ON		
				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						