

# DMX CHANNEL FUNCTIONS AND VALUES

FUZE PROFILE CW™ - DMX Channel Values / Functions (40 DMX Channels)					
Supports Software Versions: ≥ 1.07					
Features subject to change without notice.					
MODE / CHANNEL		VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended				
1	1		<b>PAN Movement 8bit</b>	127	
		0-255	Pan Movement		
2	2		<b>Pan Fine 16bit</b>	127	
		0-255	Fine Control of Pan Movement		
3	3		<b>TILT Movement 8bit</b>	127	
		0-255	Tilt Movement		
4	4		<b>Tilt Fine 16bit</b>	127	
		0-255	Fine Control of Tilt Movement		
5	5		<b>Color Wheel 1</b>	0	X
		0-15	Open		
		16-31	Red		
		32-47	Medium Green		
		48-63	Light Blue		
		64-79	Lavender		
		80-95	Amber		
		96-111	Light Pink		
		112-127	Warm Yellow		
		128-189	Color Wheel Rotation CW from Fast to Slow		
		190-193	No Rotation		
		194-255	Color Wheel Rotation CCW from Slow to Fast		
6	6		<b>Color Wheel 2</b>	0	X
		0-15	Open		
		16-31	2700K		
		32-47	3200K		
		48-63	4500K		
		64-79	5500K		
		80-95	6800K		
		96-111	8000K		
		112-127	UV		
		128-189	Color Wheel Rotation CW from Fast to Slow		
		190-193	No Rotation		
		194-255	Color Wheel Rotation CCW from Slow to Fast		

MODE / CHANNEL		VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended				
7	7		<b>Rotating Gobo Wheel</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		
		78-93	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 Scroll CW Fast to Slow				
222-223	Stop				
224-255	Gobo Wheel Scroll CCW Slow to Fast				
8	8		<b>Rotating Gobo Index, 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				
9	9		<b>Rotating Gobo Fine Indexing</b>	0	
		0-255	Fine Indexing		
10	10		<b>Focus</b>	127	
		0-255	Continuous Adjustment from Near to Far		
	11		<b>Focus Fine</b>	0	
		0-255	Continuous Adjustment Fine		
11	12		<b>Zoom</b>	127	
		0-255	Zoom Adjustment from Small to Big		
	13		<b>Zoom Fine</b>	0	
		0-255	Zoom Adjustment Fine		

MODE / CHANNEL		VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended				
12	14		<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)			
13	15		<b>Dimmer</b>	0	
		0-255	Intensity 0 → 100%		
14	16		<b>Dimmer Fine</b>	0	
		0-255	Dimmer Fine		
	17		<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			

MODE / CHANNEL		VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended				
15	18		<b>Iris</b>	0	
		0-191	Max Diameter to Min Diameter		
		192-223	Pulse Opening Fast to Slow		
		224-255	Pulse Closing Slow to Fast		
	19		<b>Iris Fine</b>	0	
		0-255	Iris Fine		
16	20		<b>Frost</b>	0	
		0-255	Open to Full Frost		
17	21		<b>Blade 1A</b>	0	
		0-255	Open to Close		
	22		<b>Blade 1A Fine</b>	0	
		0-255	Open to Close Fine		
18	23		<b>Blade 1B</b>	0	
		0-255	Open to Close		
	24		<b>Blade 1B Fine</b>	0	
		0-255	Open to Close Fine		
19	25		<b>Blade 2A</b>	0	
		0-255	Open to Close		
	26		<b>Blade 2A Fine</b>	0	
		0-255	Open to Close Fine		
20	27		<b>Blade 2B</b>	0	
		0-255	Open to Close		
	28		<b>Blade 2B Fine</b>	0	
		0-255	Open to Close Fine		
21	29		<b>Blade 3A</b>	0	
		0-255	Open to Close		
	30		<b>Blade 3A Fine</b>	0	
		0-255	Open to Close Fine		
22	31		<b>Blade 3B</b>	0	
		0-255	Open to Close		
	32		<b>Blade 3B Fine</b>	0	
		0-255	Open to Close Fine		
23	33		<b>Blade 4A</b>	0	
		0-255	Open to Close		
	34		<b>Blade 4A Fine</b>	0	
		0-255	Open to Close Fine		
24	35		<b>Blade 4B</b>	0	
		0-255	Open to Close		
	36		<b>Blade 4B Fine</b>	0	
		0-255	Open to Close Fine		

MODE / CHANNEL		VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended				
25	37		<b>Framing Rotation</b>	127	
		0-126	Min (-45 degrees)		
		127-128	Parallel (0 degrees)		
		129-255	Max (+45 degrees)		
	38		<b>Framing Rotation Fine</b>	0	
			Framing Rotation Fine		
	39		<b>Pan / Tilt 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		
26	40		<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		
		100-168	<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				

MODE / CHANNEL		VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended				
26	40	117	1070	0	X
		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		
		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		

MODE / CHANNEL		VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended				
26	40	159	1490	0	X
		160	1500		
		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				