DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (65 DMX CHANNELS) - V118

Mode/ Channel		Function		Value	Default Value
Std	Ex				
1	1	**PAN Movement 8bit**		0-255	128
2	2	**Pan Fine 16bit**		0-255	0
3	3	**TILT Movement 8bit**		0-255	128
4	4	**Tilt Fine 16bit**		0-255	0
	5	**Speed Fan/Tilt Movement**	Max to min speed	0-225	0
			Blackout by movement	226-235	
			Blackout by all wheel changing	236-245	
			No function	246-255	
5	6	**Pan Motor Continuous Rotation**	Stop rotation by spinout	0-63	0
			Stop rotation by shortcut	64-127	
			Forwards Pan rotation from fast to slow	128-189	
			No rotation	190-193	
			Backwards Pan rotation from slow to fast	194-255	
6	7	**Tilt Motor Continuous Rotation**	Stop rotation by spinout	0-63	0
			Stop rotation by shortcut	64-127	
			Forwards Tilt rotation from fast to slow	128-189	
			No rotation	190-193	
			Backwards Tilt rotation from slow to fast	194-255	
7	8	**Shutter, Strobe**	Shutter closed	0-10	15
			No fuction (Shutter open)	11-20	
			Strobe effect slow to fast	21-117	
			No fuction (Shutter open)	118-126	
			Pulse-effect in sequences	127-180	
			No function (Shutter open)	181-191	
			Random strobe effect slow to fast	192-245	
			No function (Shutter open)	246-255	
8	9	**Dimmer Intensity:** 0 to 100%		0-255	0
9	10	**Dimmer Intensity Fine**		0-255	0
10	11	**Zoom From Small To Big**: From 4° to 52°		0-255	128
11	12	**Zoom Fine**		0-255	0
12	13	**Focus:** From near to far		0-255	128
13	14	**Focus Fine**		0-255	0
	15	**Auto Focus**	Auto Focus Off	0-50	0
			5m	51-100	
			7.5 m	101-150	
			10 m	151-200	
			15 m	201-255	
	16	**Auto Focus Fine**		0-255	0
14	17	**Colour Wheel**	Open / white	0-3	0
			Colour 1: CTB 1/4	4-7	
			Colour 2: Magenta	8-11	
			Colour 3: Congo Blue	12-15	
			Colour 4: Green	16-19	
			Colour 5: Orange	20-23	
			Colour 6: Blue	24-27	
			Colour 7: Red	28-31	
			Colour indexing	32-127	
			Forwards rainbow effect from fast to slow	128-189	
			No rotation	190-193	
			Backwards rainbow effect from slow to fast	194-255	
15	18	**Colour Wheel Fine**		0-255	0
16	19	**Cyan Colour** (0-white, 255-100% Cyan)		0-255	0
	20	**Cyan Colour Fine**		0-255	0
17	21	**Magenta Colour** (0-white, 255-100% magenta)		0-255	0
	22	**Magenta Colour Fine**		0-255	0
18	23	**Yellow Colour** (0-white, 255-100% Yellow)		0-255	0
	24	**Yellow Colour Fine**		0-255	0
19	25	**CTO Colour** (0-white, 255-100% CTO)		0-255	0
	26	**CTO Colour Fine**		0-255	0
20	27	**CTP Colour** (0-white, 255-100% CTP)		0-255	0
	28	**CTP Colour Fine**		0-255	0
	29	**Reserved**			
	30	**Reserved**			
	31	**Reserved**			
21	32	**Rotating Gobo Wheel**	Open	0-9	0
			Rot. gobo 1: Dot Line 11	10-19	
			Rot. gobo 2: Star field	20-29	
			Rot. gobo 3: Nested Triangle	30-39	
			Rot. gobo 4: Infinite Stairs	40-49	
			Rot. gobo 5: Bread Stix	50-59	
			Rot. gobo 6: Circle of Squares	60-69	
			Rot. gobo 7: Nested Rings Yellow	70-77	
			Gobo 1 shake slow to fast	78-93	
			Gobo 2 shake slow to fast	94-109	
			Gobo 3 shake slow to fast	110-125	
			Gobo 4 shake slow to fast	126-141	
			Gobo 5 shake slow to fast	142-157	
			Gobo 6 shake slow to fast	158-173	
			Gobo 7 shake slow to fast	174-189	
			Gobo wheel rotation forwards from fast to slow	190-221	
			No rotation	222-223	
			Gobo wheel rotation backwards from slow to fast	224-255	

Mode/ Channel		Function		Value	Default Value
22	33	**Rotating Gobo Wheel, Index, Rotation**	Gobo indexing	0-127	0
			Forwards gobo rotation from fast to slow	128-189	
			No rotation	190-193	
			Backwards gobo rotation from slow to fast	194-255	
23	34	**Rotating Gobo Wheel Index, Rotation Fine**		0-255	0
24	35	**Static Gobo**	Open	0-9	0
			Gobo 1: Conical Tunnel Effect 	10-19	
			Gobo 2: Smoke Rings 	20-29	
			Gobo 3: Fireworks 	30-39	
			Gobo 4: Abstract Square 	40-49	
			Gobo 5: Iron Filings 	50-59	
			Gobo 6: Lost In The Brain 	60-69	
			Gobo 7: Deep Forest 	70-79	
			Gobo 8: Tree Bark 	80-89	
			Gobo 9: Mirror Ball 	90-99	
			Gobo 1 shake slow to fast	100-109	
			Gobo 2 shake slow to fast	110-119	
			Gobo 3 shake slow to fast	120-129	
			Gobo 4 shake slow to fast	130-139	
			Gobo 5 shake slow to fast	140-149	
			Gobo 6 shake slow to fast	150-159	
			Gobo 7 shake slow to fast	160-169	
			Gobo 8 shake slow to fast	170-179	
			Gobo 9 shake slow to fast	180-189	
			Clock-wise scroll from fast to slow	190-221	
			Reserved	222-223	
			Counter clock-wise scroll from slow to fast	224-255	
25	36	**Animation Wheel**	No rotation 	0-7	0
			Forwards rotation from fast to slow	8-127	
			No rotation 	128-135	
			Backwards rotation from slow to fast	136-255	
26	37	**Iris**	Max. diameter to Min.diameter	0-191	0
			Pulse closing fast to slow	192-223	
			Pulse opening slow to fast	224-255	
	38	**Iris Fine**		0-255	0
27	39	**Prism 1**	Open	0-127	0
			Prism 1: 5-facet circular 	128-255	
28	40	**Prism 1 Index, Rotation**	Prism indexing	0-127	0
			Forwards prism rotation from fast to slow	128-189	
			No rotation	190-193	
			Backwards prism rotation from slow to fast	194-255	

Mode/ Channel		Function		Value	Default Value
	41	**Prism 1 Index, Rotation Fine**		0-255	0
29	42	**Prism 2**	Open	0-127	0
			Prism 2: 4-facet linear 	128-255	
30	43	**Prism 2 Index, Rotation**	Prism indexing	0-127	0
			Forwards prism rotation from fast to slow	128-189	
			No rotation	190-193	
			Backwards prism rotation from slow to fast	194-255	
	44	**Prism 2 Index, Rotation Fine**		0-255	0
31	45	**Frost 1 Light 1°**: 0-100%		0-255	0
32	46	**Frost 2 Heavy 5°**: 0-100%		0-255	0
33	47	**Blade 1A**: Open to Close		0-255	0
	48	**Blade 1A Fine**: Open to Close Fine		0-255	0
34	49	**Blade 1B**: Open to Close		0-255	0
	50	**Blade 1B Fine**: Open to Close Fine		0-255	0
35	51	**Blade 2A**: Open to Close		0-255	0
	52	**Blade 2A Fine**: Open to Close Fine		0-255	0
36	53	**Blade 2B**: Open to Close		0-255	0
	54	**Blade 2B Fine**: Open to Close Fine		0-255	0
37	55	**Blade 3A**: Open to Close		0-255	0
	56	**Blade 3A Fine**: Open to Close Fine		0-255	0
38	57	**Blade 3B**: Open to Close		0-255	0
	58	**Blade 3B Fine**: Open to Close Fine		0-255	0
39	59	**Blade 4A**: Open to Close		0-255	0
	60	**Blade 4A Fine**: Open to Close Fine		0-255	0
40	61	**Blade 4B**: Open to Close		0-255	0
	62	**Blade 4B Fine**: Open to Close Fine		0-255	0
41	63	**All Blade Rotation**: +/- 90°		0-255	128
	64	**All Blade Rotation Fine**		0-255	0
42	65	**Control, Reset, Internal Programs**	unused	0-4	0
			Display Off	5-9	
			Display On	10-14	
			Display Invert Off	15-19	
			Display Invert On	20-24	
			Auto fan control mode	25-26	
			Stage fan control mode	27-28	
			Silence fan control mode	29-30	
			Super Silence fan control mode	31-32	
			Constant Fans Off	33-34	
			Constant Fans On	35-36	
			unused	37-41	
			Linear Low	42-44	

Mode/ Channel		Function		Value	Default Value
42	65	Control, Reset, Internal Program	Square Law	45-49	0
			Linear	50-54	
			1.2 K	55-58	
			2.4 K	59-62	
			16 K	63-66	
			25 K	67-69	
			Gobo correction Off	70-74	
			Gobo correction On	75-79	
			All motor reset	80-84	
			Scan motor reset	85-87	
			Colours motor reset	88-90	
			Gobo motor reset	91-93	
			unused	94	
			Reset P/T Fade Off	95	
			Reset P/T Fade On	96	
			Other motor reset	97-99	
			Frost Progressive Off	100-102	
			Frost Progressive On	103-105	
			CMY speed Fast	106-108	
			CMY speed Medium	109-111	
			CMY speed Slow	112-114	
			unused	115-117	
			unused	118-120	
			Sun Protection Off	121-123	
			Sun Protection On	124-126	
			Pan Reverse Off	127-129	
			Pan Reverse On	130-132	
			Tilt Reverse Off	133-135	
			Tilt Reverse On	136-138	
			Pan Degree 540°	139-141	
			Pan Degree 630°	142-144	
			Tilt Degree 540°	145-147	
			Tilt Degree 270°	148-150	
			Feedback Off	151-153	
			Feedback On	154-156	
			Init PAN Off	157-159	
			Init PAN On	160-162	
			Init TILT Off	163-165	
			Init TILT On	166-168	
			Prerig INIT Off	169-171	
			Prerig INIT On	172-174	
			Reset Mode (Fast)	175-177	

Mode/ Channel		Function		Value	Default Value
42	65	Control, Reset, Internal Programs	Reset Mode (All Rot Gobos)	178-180	0
			Pan/Tilt Spd Fast	181-183	
			Pan/Tilt Spd Medium	184-186	
			Pan/Tilt Spd Slow	187-189	
			Pan/Tilt F/S Mode	190-192	
			Zoom/Focus Spd Fast	193-195	
			Zoom/Focus Spd Medium	196-198	
			Zoom/Focus Spd Slow	199-201	
			Reset LED Fade Off	202-204	
			Reset LED Fade On	205-207	
			Defog Off	208-210	
			Defog Auto	211-213	
			Defog On	214-216	
			Gobo Control Full	217-219	
			Gobo Control Reduce	220-222	
			Pan/Tilt Spd Tracking 360	223-225	
			Pan Degree 360SC	226-228	
			Tilt Degree 360SC	229-231	
			Framing Constant Off	232-234	
			Framing Constant On	235-237	
			Encoder Select Photoelectric	238-240	
			Encoder Select Magnet	241-243	
			CMY Path Shortcut	244-246	
			CMY Path Spinout	247-249	
			unused	250-255	

Errors and omissions for all information given in this DMX chart are possible.
All information is subject to change without prior notice.

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