













DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (65 DMX CHANNELS) - V117

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 function (Shutter open)	11-20	
			Strobe effect slow to fast	21-117	
			No function (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	

Mode/Channel		Function	Value	Default Value	
14	17	Colour Wheel	Colour 3: Congo Blue	12-15	0
			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
17	21	Magenta Colour (0-white, 255-100% magenta)	0-255	0	
			22	Magenta Colour Fine	0-255
18	23	Yellow Colour (0-white, 255-100% Yellow)	0-255	0	
			24	Yellow Colour Fine	0-255
19	25	CTO Colour (0-white, 255-100% CTO)	0-255	0	
			26	CTO Colour Fine	0-255
20	27	CTP Colour (0-white, 255-100% CTP)	0-255	0	
			28	CTP Colour Fine	0-255
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				

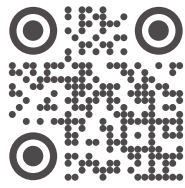
Mode/Channel	Function	Value	Default Value	
22	33 Rotating Gobo Wheel, Index, Rotation	Gobo indexing	0-127	0
		Forwards gobo rotation from fast to slow	128-189	
		No rotation	190-193	
		Backwards gobo rotation from slow to fast	194-255	
23	34 Rotating Gobo Wheel Index, Rotation Fine	0-255	0	
24	35 Static 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	37-44	
Square Law	45-49			

Mode/Channel	Function	Value	Default Value		
42	65	Control, Reset, Internal Program	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				
Reset Mode (All Rot Gobos)	178-180				

Mode/Channel	Function	Value	Default Value		
42	65	Control, Reset, Internal Programs	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 Gen2 SN RAxxxx	217-219
				Gobo matching Gen 1 SN RVxxxx	220-222
				Pan/Tilt Spd Tracking 360	223-225
				Pan degree 360SC	226-228
				Tilt degree 360SC	229-231
				unused	232-255

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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