

DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (65 DMX CHANNELS) - V122

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	

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	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	Tint Channel (Plus Minus Green)	No Function	0	0
			From min minus green to 0	1-125	
			0 correction	126-130	
			From 0 to plus max green	131-255	
	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	

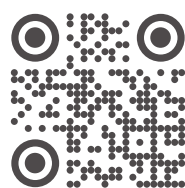
Mode/ Channel		Function		Value	Default Value
21	32	Rotating Gobo Wheel	No rotation	222-223	0
			Gobo wheel rotation backwards from slow to fast	224-255	
22	33	Rotating Gobo Wheel, Index, Rotation	Gobo indexing	0-127	0
			Forwards gobo rotation from fast to slow	128-189	
			No rotation	190-193	
			Backwards 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	

Mode/ Channel		Function		Value	Default Value
28	40	Prism 1 Index, Rotation	No rotation	190-193	0
			Backwards prism rotation from slow to fast	194-255	
	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	

Mode/ Channel		Function	Value	Default Value
42	65	Control, Reset, Internal Program	Constant Fans On	35-36
			unused	37-41
			Linear Low	42-44
			Square Law	45-49
			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

Mode/ Channel		Function	Value	Default Value
42	65	Control, Reset, Internal Programs	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
			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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