












## DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (67 DMX CHANNELS) - V1

Mode/Channel		Function	Value	Default Value	
Std	Ex				
1	1	PAN Movement 8bit	0-255	128	
2	2	Pan Fine 16bit: Fine control of Pan movement	0-255	0	
3	3	TILT Movement 8bit	0-255	128	
4	4	Tilt Fine 16bit: Fine control of Tilt movement	0-255	0	
	5	Speed Pan/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 Adjustment 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 f backwards from slow to fast	224-255				

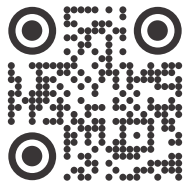
Mode/Channel	Function	Value	Default Value						
22	33	Rotating Gobo Wheel Index, Rotation	Gobo indexing	0-127	0				
			Forwards gobo rotation from fast to slow	128-189					
			No rotation	190-193					
			Backwards gobo rotation from slow to fast	194-255					
23	34	Rotating Gobo Wheel Index, Rotation Fine	0-255	0					
24	35	Rotating Gobo Wheel 2	Open	0-9	0				
			Rot. gobo 1: Conical Tunnel Effects 	10-19					
			Rot. gobo 2: Smoke Rings 	20-29					
			Rot. gobo 3: Fireworks 	30-39					
			Rot. gobo 4: Abstract Square 	40-49					
			Rot. gobo 5: Iron Filings 	50-59					
			Rot. gobo 7: Deep Forest 	60-69					
			Rot. gobo 7: Tree Bark 	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					
			25	36		Rotating Gobo Wheel 2 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								
26	37	Rotating Gobo Wheel 2 Index, Rotation Fine	0-255	0					
27	38	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					
28	39	Iris	Max. diameter to Min.diameter	0-191	0				
			Pulse closing fast to slow	192-223					
			Pulse opening slow to fast	224-255					
40	Iris Fine	0-255	0						
29	41	Prism 1	Open	0-127	0				
			Prism 1: 5-facet circular 	128-255					
30	42	Prism 1 Index, Rotation	Prism indexing	0-127	0				
			Forwards prism rotation from fast to slow	128-189					
			No rotation	190-193					

Mode/Channel	Function	Value	Default Value		
30	42	Prism 1 Index, Rotation	Backwards prism rotation from slow to fast	194-255	0
	43	Prism 1 Index, Rotation Fine		0-255	0
31	44	Prism 2	Open	0-127	0
			Prism 2: 4-facet linear 	128-255	
32	45	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	
46	Prism 2 Index, Rotation Fine		0-255	0	
33	47	Frost 1: 0-100%		0-255	0
34	48	Frost 2: 0-100%		0-255	0
35	49	Blade 1A: Open to Close		0-255	0
	50	Blade 1A Fine: Open to Close Fine		0-255	0
36	51	Blade 1B: Open to Close		0-255	0
	52	Blade 1B Fine: Open to Close Fine		0-255	0
37	53	Blade 2A: Open to Close		0-255	0
	54	Blade 2A Fine: Open to Close Fine		0-255	0
38	55	Blade 2B: Open to Close		0-255	0
	56	Blade 2B Fine: Open to Close Fine		0-255	0
39	57	Blade 3A: Open to Close		0-255	0
	58	Blade 3A Fine: Open to Close Fine		0-255	0
40	59	Blade 3B: Open to Close		0-255	0
	60	Blade 3B Fine: Open to Close Fine		0-255	0
41	61	Blade 4A: Open to Close		0-255	0
	62	Blade 4A Fine: Open to Close Fine		0-255	0
42	63	Blade 4B: Open to Close		0-255	0
	64	Blade 4B Fine: Open to Close Fine		0-255	0
43	65	All Blade Rotation: +/- 90°		0-255	128
	66	All Blade Rotation Fine		0-255	0
44	67	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				

Mode/Channel	Function	Value	Default Value	
44	67	Control, Reset, Internal Programs	Square Law	45-49
			Linear	50-54
			1.2K	55-58
			2.4K	59-62
			16K	63-66
			25K	67-69
			Gobo correction Off	70-72
			Gobo correction CTB	73-75
			Gobo correction Cyan	76-79
			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			

Mode/Channel	Function	Value	Default Value	
44	67	Control, Reset, Internal Programs	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
			unused	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
			Framing Constant Off	217-219
			Framing Constant On	220-222
			unused	223-255

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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