



























## DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (66 DMX CHANNELS) - V222

Mode/Channel			Function	Value	Default Value	
Ba	St	Ex				
1	1	1	PAN Movement 8bit	0-255	128	
	2	2	Pan Fine 16bit: Fine control of Pan movement	0-255	0	
2	3	3	TILT Movement 8bit	0-255	128	
	4	4	Tilt Fine 16bit: Fine control of Tilt movement	0-255	0	
3	5	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	
4	6	6	Shutter, Strobe	Shutter closed	0-10	11
				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	
5	7	7	Dimmer Intensity: Intensity 0 to 100%	0-255	0	
	8	8	Dimmer Intensity Fine	0-255	0	
6	8	9	Reserved			
7	9	10	Reserved			
8	10	11	Reserved			
9	11	12	Zoom: From small to big	0-255	128	
	13	13	Zoom Fine	0-255	0	
10	12	14	Focus: From near to far	0-255	128	
	15	15	Focus Fine	0-255	0	
11	13	16	Auto Focus	Auto Focus Off	0-50	0
				5 m	51-100	
				7.5 m	101-150	
				10 m	151-200	
				15 m	201-255	
12	14	17	Auto Focus Fine	0-255	0	
13	15	18	Colour Wheel	Open / white	0-3	0
				Colour 1: Magenta	 4-7	
				Colour 2: Congo Blue	 8-11	
				Colour 3: Green	 12-15	
				Colour 4: Orange	 16-19	
				Colour 5: Blue	 20-23	
				Colour 6: Red	 24-27	
				Colour indexing	32-127	
				Forwards rainbow effect from fast to slow	128-189	

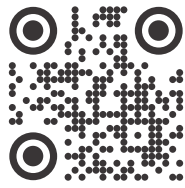
Mode/Channel			Function	Value	Default Value	
Ba	St	Ex				
13	15	18	Colour Wheel	No rotation	190-193	0
				Backwards rainbow effect from slow to fast	194-255	
		19	Colour Wheel Fine	0-255	0	
14	16	20	CTB/CRI	Open	0-63	0
				CTB	64-127	
				CRI	128-255	
15	17	21	Cyan Colour (0-white, 255-100% Cyan)	0-255	0	
		22	Cyan Colour Fine	0-255	0	
16	18	23	Magenta Colour (0-white, 255-100% magenta)	0-255	0	
		24	Magenta Colour Fine	0-255	0	
17	19	25	Yellow Colour (0-white, 255-100% Yellow)	0-255	0	
		26	Yellow Colour Fine	0-255	0	
18	20	27	CTO Colour (0-white, 255-100% CTO)	0-255	0	
		28	CTO Colour Fine	0-255	0	
19	21	29	Rotating Gobo Wheel 1	Open	0-9	0
				Rot. gobo 1: Star Dust	 10-19	
				Rot. gobo 2: Iron Filings	 20-29	
				Rot. gobo 3: Abstract Squares	 30-39	
				Rot. gobo 4: Digital	 40-49	
				Rot. gobo 5: Stained Glass	 50-59	
				Rot. gobo 6: 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 f backwards from slow to fast	224-255					
20	22	30	Rotating Gobo Wheel 1 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	
		31	Rotating Gobo Wheel 1 Index, Rotation Fine	0-255	0	
21	23	32	Rotating Gobo Wheel 2	Open	0-9	0
				Rot. gobo 1: Nested Rings Yellow	 10-19	
				Rot. gobo 2: Smoke Rings	 20-29	
				Rot. gobo 3: Vortex	 30-39	

Mode/Channel			Function	Value	Default Value	
21	23	32	Rotating Gobo Wheel 2	Rot. gobo 4: Infinite Stairs 	40-49	0
				Rot. gobo 5: Nested Triangle 	50-59	
				Rot. gobo 6: Black & White Target 	60-69	
				Rot. gobo 7: Dot Line 11 	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	
22	24	33	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	
34			Rotating Gobo Wheel 2 Index, Rotation Fine	0-255	0	
23	25	35	Animation Wheel 1	Open 	0-7	0
				Animation indexing 	1-239	
				Shake slow to fast	240-255	
24	26	36	Animation Wheel 1	No rotation 	0-255	0
				Forwards rotation from fast to slow	8-127	
				No rotation 	128-135	
				Backwards rotation from fast to slow	136-255	
25	27	37	Animation Wheel 2	Open	0-7	0
				Forwards rotation from fast to slow	8-127	
				No rotation	128-135	
				Backwards rotation from slow to fast	136-255	
26	28	38	Iris	Max. diameter to Min.diameter	0-191	0
				Pulse closing fast to slow	192-223	
				Pulse opening slow to fast	224-255	
39			Iris Fine	0-255	0	
27	29	40	Prism 1	Open	0-127	0
				Prism 1: 5-facet circular 	128-255	
28	30	41	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	
42			Prism 1 Index, Rotation Fine	0-255	0	

Mode/Channel			Function	Value	Default Value	
29	31	43	Prism 2	Open	0-127	0
				Prism 2: 4-facet linear 	128-255	
30	32	44	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	
45			Prism 2 Index, Rotation Fine	0-255	0	
31	33	46	Frost 1: 0-100%	0-255	0	
32	34	47	Frost 2: 0-100%	0-255	0	
33	35	48	Blade 1A: Open to Close	0-255	0	
				49	Blade 1A Fine: Open to Close Fine	0-255
34	36	50	Blade 1B: Open to Close	0-255	0	
				51	Blade 1B Fine: Open to Close Fine	0-255
35	37	52	Blade 2A: Open to Close	0-255	0	
				53	Blade 2A Fine: Open to Close Fine	0-255
36	38	54	Blade 2B: Open to Close	0-255	0	
				55	Blade 2B Fine: Open to Close Fine	0-255
37	39	56	Blade 3A: Open to Close	0-255	0	
				57	Blade 3A Fine: Open to Close Fine	0-255
38	40	58	Blade 3B: Open to Close	0-255	0	
				59	Blade 3B Fine: Open to Close Fine	0-255
39	41	60	Blade 4A: Open to Close	0-255	0	
				61	Blade 4A Fine: Open to Close Fine	0-255
40	42	62	Blade 4B: Open to Close	0-255	0	
				63	Blade 4B Fine: Open to Close Fine	0-255
41	43	64	All Blade Rotation: +/- 90°	0-255	128	
				65	All Blade Rotation Fine	0-255
42	44	66	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	
				Linear	50-54	
1.2K	55-58					

Mode/ Channel			Function	Value	Default Value	
42	44	66	Control, Reset, Internal Programs	2.4 K	59-62	0
			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 Slow	106-108		
			CMY speed Fast	109-111		
			Prerig INIT Off	112-114		
			Prerig INIT On	115-117		
			Pan/Tilt Spd Fast	118-120		
			Pan/Tilt speed Med	121-123		
			Pan/Tilt Spd Slow	124-126		
Pan/Tilt Spd Fs Mode	127-129					
unused	130-255					

Errors and omissions for all information given in this DMX chart are possible.  
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