














## DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (61 DMX CHANNELS) - V114

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		Dimmer Intensity Fine	0-255	0	
6	8	9	Zoom: From small to big	0-255	128	
	10		Zoom Fine	0-255	0	
7	9	11	Focus: From near to far	0-255	128	
	12		Focus Fine	0-255	0	
8	10	13	Auto Focus	Auto Focus Off	0-50	0
				5m	51-100	
				7.5 m	101-150	
				10 m	151-200	
				15 m	201-255	
9	11	14	Auto Focus Fine	0-255	0	
10	12	15	Colour Wheel	Open / white	0-3	0
				Colour 1: CTB 1/4 	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	28-127	
				Backwards rainbow effect from fast to slow	128-189	
				No rotation	190-193	
Forwards rainbow effect from slow to fast	194-255					
	16		Colour Wheel Fine	0-255	0	
11	13	17	Cyan Colour (0-white, 255-100% Cyan)	0-255	0	

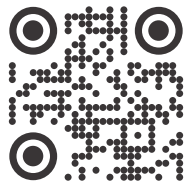
Mode/Channel			Function	Value	Default Value	
	18		Cyan Colour Fine	0-255	0	
12	14	19	Magenta (0-white, 255-100% magenta)	0-255	0	
	20		Magenta Colour Fine	0-255	0	
13	15	21	Yellow Colour (0-white, 255-100% Yellow)	0-255	0	
	22		Yellow Colour Fine	0-255	0	
14	16	23	CTO Colour (0-white, 255-100% CTO)	0-255	0	
	24		CTO Colour Fine	0-255	0	
15	17	25	CTB Colour (0-white, 255-100% CTB)	0-255	0	
	26		CTB Colour Fine	0-255	0	
16	18	27	CTP Colour (0-white, 255-100% CTP)	0-255	0	
	28		CTP Colour Fine	0-255	0	
17	19	29	Colour Presets: See Appendix	0-255		
18	20	30	Reserved			
19	21	31	Reserved			
20	22	32	Reserved			
21	23	33	Rotating Gobo Wheel	Open	0-9	0
				Rot. gobo 1: Dot Line 4 	10-19	
				Rot. gobo 2: Dot Triangle 3 	20-29	
				Rot. gobo 3: Square Beam 4 	30-39	
				Rot. gobo 4: Five Spokes 	40-49	
				Rot. gobo 5: Beam Shaper 	50-59	
				Rot. gobo 6: Breaking Glass 	60-69	
				Rot. gobo 7: Waves 	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					
22	24	34	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	
	35		Rotating Gobo Wheel Index, Rotation Fine	0-255	0	

Mode/Channel			Function	Value	Default Value	
23	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	
24	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	
25	27	39	Beam Shaper	Open	0-127	0
				Beam Shaper	128-255	
26	28	40	Beam Shaper Index, Rotation	Beam Shaper 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	
		41	Beam Shaper Index, Rotation Fine	0-255	0	
27	29	42	Frost: 0-100%	0-255	0	
28	30	43	Blade 1A: Open to Close	0-255	0	
		44	Blade 1A Fine: Open to Close Fine	0-255	0	
29	31	45	Blade 1B: Open to Close	0-255	0	
		46	Blade 1B Fine: Open to Close Fine	0-255	0	
30	32	47	Blade 2A: Open to Close	0-255	0	
		48	Blade 2A Fine: Open to Close Fine	0-255	0	
31	33	49	Blade 2B: Open to Close	0-255	0	
		50	Blade 2B Fine: Open to Close Fine	0-255	0	
32	34	51	Blade 3A: Open to Close	0-255	0	
		52	Blade 3A Fine: Open to Close Fine	0-255	0	
33	35	53	Blade 3B: Open to Close	0-255	0	
		54	Blade 3B Fine: Open to Close Fine	0-255	0	
34	36	55	Blade 4A: Open to Close	0-255	0	
		56	Blade 4A Fine: Open to Close Fine	0-255	0	
35	37	57	Blade 4B: Open to Close	0-255	0	
		58	Blade 4B Fine: Open to Close Fine	0-255	0	
36	38	59	All Blade Rotation: +/- 90°	0-255	128	
		60	All Blade Rotation Fine	0-255	0	
37	39	61	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	

Mode/Channel			Function	Value	Default Value	
37	39	61	Control, Reset, Internal Programs	Super Silence fan control mode	31-32	0
				Constant Fans Off	33-34	
				Constant Fans On	35-36	
				unused	37-44	
				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	
				Silence Movements Off	115-117	
				Silence Movements On	118-120	
				Pan Reverse Off	121-123	
				Pan Reverse On	124-126	
				Tilt Reverse Off	127-129	
Tilt Reverse On	130-132					
Pan Degree 540°	133-135					
Pan Degree 630°	136-138					
Feedback Off	139-141					
Feedback On	142-144					
Init PAN Off	145-147					
Init PAN On	148-150					
Init TILT Off	151-153					
Init TILT On	154-156					
Reset Mode (Fast)	157-159					
Reset Mode (All Rot Gobos)	160-162					
Pan/Tilt Spd Fast	163-165					

Mode/Channel			Function	Value	Default Value
37	39	61	Pan/Tilt Spd Medium	166-168	0
			Pan/Tilt Spd Slow	169-171	
			Pan/Tilt Spd FS Mode	172-174	
			Zoom/Focus Spd Fast	175-177	
			Zoom/Focus Spd Medium	178-180	
			Zoom/Focus Spd Slow	181-183	
			Reset LED Fade Off	184-186	
			Reset LED Fade On	187-189	
			Prerig INIT Off	190-192	
			Prerig INIT On	193-195	
			Reset LED Fade Off	196-255	

*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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