DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (33 DMX CHANNELS) - V118

Mode/ Channel	Function		Value	Default Value
Ex				
1	**PAN Movement 8bit**		0-255	128
2	**Pan Fine 16bit**		0-255	0
3	**TILT Movement 8bit**		0-255	128
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	246-247	
		Execute blanking zone command (10 sec before action)	248	
		No function	249-255	
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	
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	
8	**Shutter, Strobe**	Shutter closed	0-10	11
		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	
9	**Dimmer Intensity**: 0 to 100%		0-255	0
10	**Dimmer Intensity Fine**		0-255	0
11	**Focus**: From near to far		0-255	128
12	**Focus Fine**		0-255	0
13	**Colour Wheel**	Open / white	0-3	0
		Colour 1: Red	4-5	
		Colour 2: Blue	6-7	
		Colour 3: Orange	8-9	
		Colour 4: Green	10-11	
		Colour 5: Pink	12-13	
		Colour 6: Yellow	14-15	
		Colour 7: Velvet Green	16-17	

Mode/ Channel	Function		Value	Default Value
13	**Colour Wheel**	Colour 8: Amber	18-19	0
		Colour 9: Light Blue	20-21	
		Colour 10: Follies Pink	22-23	
		Colour 11: Slate Blue	24-25	
		Colour 12: Medium Yellow	26-27	
		Colour 13: Dark Green	28-29	
		Colour 14: Dark Amber	30-31	
		Colour 15: Medium Blue	32-33	
		Colour 16: Oklahoma Yellow	34-35	
		Colour 17: Light Amber	36-37	
		Colour 18: CTO	38-39	
		Colour 19: CTO 1/2	40-41	
		Colour 20: CTB	42-43	
		Colour 21: CTB 1/2	44-45	
		Colour 22: Minus Green 1/2	46-47	
		Colour indexing	48-127	
		Forwards rainbow effect from fast to slow	128-189	
		No rotation	190-193	
		Backwards rainbow effect from slow to fast	194-255	
14	**Colour Wheel Fine**		0-255	0
15	**Cyan Colour** (0-white, 255-100% Cyan)		0-255	0
16	**Cyan Colour Fine**		0-255	0
17	**Magenta Colour** (0-white, 255-100% magenta)		0-255	0
18	**Magenta Colour Fine**		0-255	0
19	**Yellow Colour** (0-white, 255-100% yellow)		0-255	0
20	**Yellow Colour Fine**		0-255	0
21	**Blanking Zone Commands**	unused	0-4	0
		Store/overwrite blanking Zone TOP RIGHT	5-9	
		Store/overwrite blanking Zone BOTTOM RIGHT	10-14	
		Store/overwrite blanking Zone TOP LEFT	15-19	
		Store/overwrite blanking Zone BOTTOM LEFT	20-24	
		Recall blanking Zone TOP RIGHT	25-29	
		Recall blanking Zone BOTTOM RIGHT	30-34	
		Recall blanking Zone TOP LEFT	35-39	
		Recall blanking Zone BOTTOM LEFT	40-44	
		Delete blanking Zone TOP RIGHT	45-49	
		Delete blanking Zone BOTTOM RIGHT	50-54	
		Delete blanking Zone TOP LEFT	55-59	
		Delete blanking Zone BOTTOM LEFT	60-64	
		Delete blanking Zone ALL POINT	65-69	
		Invert blanking Zone OFF	70-74	
		Invert blanking Zone ON	75-79	

Mode/ Channel	Function		Value	Default Value
21	Blanking Zone Commands	unused	80-99	0
		Off	100-109	
		10m	110-119	
		15m	120-129	
		20m	130-139	
		25m	140-149	
		30m	150-159	
		35m	160-169	
		40m	170-179	
		45m	180-189	
		50m	190-199	
		55m	200-209	
		60m	210-219	
		Reserved	220-255	
22	Blanking Zone Number (Different Zone)	unused	0-9	0
		Blanking Zone #1	10-19	
		Blanking Zone #2	20-29	
		Blanking Zone #3	30-39	
		Blanking Zone #4	40-49	
		unused	50-255	
23	Reserved			
24	Static Gobo Wheel	Open	0-15	0
		Off	16	
		10m	17	
		15m	18	
		20m	19	
		25m	20	
		30m	21	
		35m	22	
		40m	23	
		45m	24	
		50m	25	
		55m	26	
		60m	27	
		Reserved	28	
		Gobo 14: Half Beam Up	29	
		Gobo 15: Half Beam Down	30	
		Gobo 16: Split Circle 2	31	
		Gobo 17: Split Triangle 3	32	
		Gobo 18: Compass 4	33	
		Gobo 19: Star Beam	34	
		Gobo 20: Five Spokes	35	

Mode/ Channel	Function		Value	Default Value
24	Static Gobo Wheel	Gobo 21: Triangle Beam	36	0
		Gobo 22: Helix 3	37	
		Gobo 23: Inverted Cross	38	
		Gobo 24: Rubik Cube	39	
		Gobo 25: Square Beam 4	40	
		Gobo 26: Square Beam	41	
		Gobo 27: Tilde	42	
		Gobo 28: Bold Line	43	
		Gobo 29: Vertical Line	44	
		Gobo 1 shake slow to fast	45-49	
		Gobo 2 shake slow to fast	50-54	
		Gobo 3 shake slow to fast	55-59	
		Gobo 4 shake slow to fast	60-64	
		Gobo 5 shake slow to fast	65-69	
		Gobo 6 shake slow to fast	70-74	
		Gobo 7 shake slow to fast	75-79	
		Gobo 8 shake slow to fast	80-84	
		Gobo 9 shake slow to fast	85-89	
		Gobo 10 shake slow to fast	90-94	
		Gobo 11 shake slow to fast	95-99	
		Gobo 12 shake slow to fast	100-104	
		Gobo 13 shake slow to fast	105-109	
		Gobo 14 shake slow to fast	110-114	
		Gobo 15 shake slow to fast	115-119	
		Gobo 16 shake slow to fast	120-124	
		Gobo 17 shake slow to fast	125-129	
		Gobo 18 shake slow to fast	130-134	
		Gobo 19 shake slow to fast	135-139	
		Gobo 20 shake slow to fast	140-144	
		Gobo 21 shake slow to fast	145-149	
		Gobo 22 shake slow to fast	150-154	
		Gobo 23 shake slow to fast	155-159	
		Gobo 24 shake slow to fast	160-164	
		Gobo 25 shake slow to fast	165-169	
		Gobo 26 shake slow to fast	170-174	
		Gobo 27 shake slow to fast	175-179	
		Gobo 28 shake slow to fast	180-184	
		Gobo 29 shake slow to fast	185-189	
		Clock-wise scroll from fast to slow	190-221	
		Reserved	222-223	
		Counter clock-wise scroll from slow to fast	224-255	

Mode/ Channel	Function		Value	Default Value
25	**Prism 1**	Open	0-127	0
		Prism 1: 5-facet linear 	128-255	
26	**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	
27	**Prism 1 Index, Rotation Fine**		0-255	0
28	**Prism 2**	Open	0-127	0
		Prism 2: 32-facet circular 	128-255	
29	**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	
30	**Prism 2 Index, Rotation Fine**		0-255	0
31	**Frost 1**: 0-100%		0-255	0
32	**Frost 2**: 0-100%		0-255	0
33	**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	
		1.2 K	55-58	
		2.4 K	59-62	
		16 K	63-66	
		25 K	67-69	
		unused	70-74	
		unused	75-79	
		All motor reset	80-84	
		Scan motor reset	85-87	
		Colours motor reset	88-90	
		Gobo motor reset	91-93	
		Colours motor reset	88-90	

Mode/ Channel	Function		Value	Default Value
33	**Control, Reset, Internal Programs**	Gobo motor reset	91-93	0
		unused	94	
		Reset P/T Fade Off	95	
		Reset P/T Fade On	96	
		Other motor reset	97-99	
		unused	100-102	
		unused	103-105	
		CMY speed Fast	106-108	
		CMY speed Medium	109-111	
		CMY speed Slow	112-114	
		unused	115-117	
		unused	118-120	
		Sun Proctection 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	
		Pan Degree 360SC	175-177	
		Tilt Degree 360SC	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 Laser Fade Off	202-204	
		Reset Laser Fade On	205-207	
		Defog Off	208-210	

Mode/ Channel	Function		Value	Default Value
33	Control, Reset, Internal Programs	Defog Auto	211-213	0
		Defog On	214-216	
		CMY Path Shortcut	217-219	
		CMY Path Spinout	220-222	
		unused	223-255	
		Enter Blanking Zone Mode	245	
		unused	246-255	

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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