

DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (66 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	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	
7	8	Dimmer Intensity: 0 to 100%		0-255	0
8	9	Dimmer Intensity Fine		0-255	0
9	10	Zoom Adjustment From Small To Big: From 2.8° to 54°		0-255	128
10	11	Zoom Fine		0-255	0
11	12	Focus: From near to far		0-255	128
12	13	Focus Fine		0-255	0
	14	Auto Focus	Auto Focus Off	0-50	0
			unused	51-100	
			10 m	101-150	
			15 m	151-200	
			20 m	201-255	
	15	Auto Focus Fine		0-255	0
13	16	Colour Wheel 1	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	

Mode/ Channel		Function		Value	Default Value
13	16	Colour Wheel	Forwards rainbow effect from fast to slow	128-189	
			No rotation	190-193	
			Backwards rainbow effect from slow to fast	194-255	
14	17	Colour Wheel Fine		0-255	0
15	18	Cyan Colour (0-white, 255-100% Cyan)		0-255	0
	19	Cyan Colour Fine		0-255	0
16	20	Magenta Colour (0-white, 255-100% magenta)		0-255	0
	21	Magenta Colour Fine		0-255	0
17	22	Yellow Colour (0-white, 255-100% Yellow)		0-255	0
	23	Yellow Colour Fine		0-255	0
18	24	CTO Colour (0-white, 255-100% CTO)		0-255	0
	25	CTO Colour Fine		0-255	0
19	26	Colour Wheel 2	Open / white	0-3	0
			CTP 1: Gobo Correction (CTB)	 4-7	
			CTP 2: Daylight CRI 80	 8-11	
			CTP 3: Half Minus Green	 12-15	
			CTP 4: High CRI 90	 16-19	
			CTP 5: Multi-colour	 20-23	
			Color indexing	24-127	
			Forwards rainbow effect from fast to slow	128-189	
			No rotation	190-193	
			Backwards rainbow effect from slow to fast	194-255	
	27	Colour Wheel 2 Fine		0-255	0
20	28	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	
	29	Reserved			
	30	Reserved			
21	31	Rotating Gobo Wheel	Open	0-9	0
			Rot. gobo 1: Tree Bark	 10-19	
			Rot. gobo 2: Star Field	 20-29	
			Rot. gobo 3: Bread Stix	 30-39	
			Rot. gobo 4: Circle of Squares	 40-49	
			Rot. gobo 5: Conical Tunnel Effect	 50-59	
			Rot. gobo 6: Beam Reducer 0.9 ° 30% Iris Beam	 60-69	
			Rot. gobo 7: 80% Iris Beam 80% Iris Beam	 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	

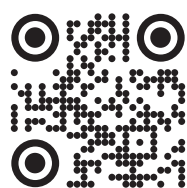
Mode/ Channel	Function			Value	Default Value
21	31	Rotating Gobo Wheel	Gobo 5 shake slow to fast	142-157	0
			Gobo 6 shake slow to fast	158-173	
			Gobo 7 shake slow to fast	174-189	
			Gobo wheel rotation forwards from fast to slow	190-221	
			No rotation	222-223	
			Gobo wheel rotation f backwards from slow to fast	224-255	
22	32	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	33	Rotating Gobo Wheel Index, Rotation Fine		0-255	0
24	34	Rotating Gobo 2	Open	0-9	0
			Gobo 1: Dot Line 7 	10-19	
			Gobo 2: Split Triangle 	20-29	
			Gobo 3: Dot Ring 6 	30-39	
			Gobo 4: Trapezium Ring 16 	40-49	
			Gobo 5: Breaking Glass 	50-59	
			Gobo 6: Nested Rings Yellow 	60-69	
			Gobo 7: CMY Liquid Effect 	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 forwards from fast to slow	224-255	
25	35	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	36	Rotating Gobo Wheel 2 Index, Rotation Fine		0-255	0
27	37	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	

Mode/ Channel	Function			Value	Default Value
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
29	40	Prism 1	Open	0-127	0
			Prism 1: 5-facet circular 	128-255	
30	41	Prism 1 Index, Rotation	Prism 1 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
31	43	Prism 2	Open	0-127	0
			Prism 2: 4-facet linear 	128-255	
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
33	46	Frost 1 Light 1°: 0-100%		0-255	0
34	47	Frost 2 Heavy 5°: 0-100%		0-255	0
35	48	Blade 1A: Open to Close		0-255	0
	49	Blade 1A Fine: Open to Close Fine		0-255	0
36	50	Blade 1B: Open to Close		0-255	0
	51	Blade 1B Fine: Open to Close		0-255	0
37	52	Blade 2A: Open to Close		0-255	0
	53	Blade 2A Fine: Open to Close Fine		0-255	0
38	54	Blade 2B: Open to Close		0-255	0
	55	Blade 2B Fine: Open to Close Fine		0-255	0
39	56	Blade 3A: Open to Close		0-255	0
	57	Blade 3A Fine: Open to Close Fine		0-255	0
40	58	Blade 3B: Open to Close		0-255	0
	59	Blade 3B Fine: Open to Close Fine		0-255	0
41	60	Blade 4A: Open to Close		0-255	0
	61	Blade 4A Fine: Open to Close Fine		0-255	0
42	62	Blade 4B: Open to Close		0-255	0
	63	Blade 4B Fine: Open to Close Fine		0-255	0
43	64	All Blade Rotation: +/- 90°		0-255	128
	65	All Blade Rotation Fine		0-255	0
44	66	Control, Reset, Internal Programs	unused	0-4	0
			Display Off	5-9	
			Display On	10-14	

Mode/ Channel		Function	Value	Default Value
44	66	Control, Reset, Internal Programs	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	37-41
			Linear Low	42-44
			Square Law	45-49
			Linear	50-54
			1.2K	55-58
			2.4K	59-62
			16K	63-66
			25K	67-69
			Gobo correction Off	70-74
			Gobo correction On	75-79
			All motor reset	80-84
			Scan motor reset	85-87
			Colors 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
			unused	145-147

Mode/ Channel		Function	Value	Default Value
44	66	Control, Reset, Internal Programs	unused	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
			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 Spd FS Mode	190
			Pan/Tilt Spd Tracking 360	191
			unused	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
			unused	217-219
			unused	220-222
			unused	223-225
			unused	226-228
			Pan Degree 360SC	229-231
			unused	232-255

*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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