

DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (47 DMX CHANNELS) - V106

Mode/ Channel	Function		Value	Default Value
Ex				
1	PAN Movement 8bit		0-255	128
2	Pan Fine 16bit: Fine control of Pan movement		0-255	0
3	TILT Movement 8bit		0-255	128
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	
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 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	
9	Dimmer Intensity		0-255	0
10	Dimmer Intensity Fine		0-255	0
11	CTO Colour: 0-white, 255-100% CTO		0-255	0
12	CTO Colour Fine		0-255	0
13	Reserved			0
14	Zoom: From small to big		0-255	19
15	Zoom Fine		0-255	83
16	Focus: From near to far		0-255	90
17	Focus Fine		0-255	192
18	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	
19	Auto Focus Fine		0-255	0

Mode/ Channel	Function		Value	Default Value
20	Zoom Mode	Beam mode	0-84	0
		Spot mode	85-169	
		Special mode	170-255	
21	Colour Wheel	Open	0	0
		Multicolours 1, 2, 3 (0-100%)	1-63	
		Colour 1: Red	 64	
		Colour 2: Blue	 65	
		Colour 3: Orange	 66	
		Colour 4: Green	 67	
		Colour 5: Pink	 68	
		Colour 6: Yellow	 69	
		Colour 7: Velvet Green	 70	
		Colour 8: Amber	 71	
		Colour 9: Light Blue	 72	
		Colour 10: Follies Pink	 73	
		Colour 11: Slate Blue	 74	
		Colour 12: Dark Green	 75	
		Colour 13: Dark Amber	 76	
		Colour 14: Medium Blue	 77	
		Colour 15: Oklahoma Yellow	 78	
		Colour 16: Multicolours #1	 79	
		Colour 17: Multicolours #2	 80	
		Colour 18: Minus Green 1/4	 81	
		Colour 19: Minus Green 1/2	 82	
		Multicolours 1 shake slow to fast	83-91	
		Multicolours 2 shake slow to fast	92-100	
		Multicolours 3 shake slow to fast	101-109	
		unused	110-127	
		Forward rainwbow effect from fast to slow	128-189	
		No rotation	190-193	
		Backwards rainwbow effect from slow to fast	194-255	
22	Colour Wheel Fine		0-255	0
23	Cyan Colour (0-white, 255-100% Cyan)		0-255	0
24	Cyan Colour Fine		0-255	0
25	Magenta Colour (0-white, 255-100% magenta)		0-255	0
26	Magenta Colour Fine		0-255	0
27	Yellow Colour (0-white, 255-100% Yellow)		0-255	0
28	Yellow Colour Fine		0-255	0
29	Rotating Gobo Wheel	Open	0-9	0
		Rot. gobo 1: Eccentric Dot	 10-13	
		Rot. gobo 2: Lines Mix	 14-17	

Mode/ Channel	Function		Value	Default Value
29	Rotating Gobo Wheel	Rot. gobo 3: Dot Square 4		18-21
		Rot. gobo 4: Square Beam 4		22-25
		Rot. gobo 5: Nuclear		26-29
		Rot. gobo 6: Dot Line 4		30-33
		Rot. gobo 7: Dot Ring 6		34-37
		Rot. gobo 8: Dot Mix		38-41
		Rot. gobo 9: Five Spokes		42-45
		Rot. gobo 10: Nested Half Rings		46-49
		Rot. gobo 11: Eight Spokes		50-53
		Rot. gobo 12: Nested Rings Light		54-57
		Gobo 1 shake slow to fast		58-68
		Gobo 2 shake slow to fast		69-79
		Gobo 3 shake slow to fast		80-90
		Gobo 4 shake slow to fast		91-101
		Gobo 5 shake slow to fast		102-112
		Gobo 6 shake slow to fast		113-123
		Gobo 7 shake slow to fast		124-134
		Gobo 8 shake slow to fast		135-145
		Gobo 9 shake slow to fast		146-156
		Gobo 10 shake slow to fast		157-167
		Gobo 11 shake slow to fast		168-178
		Gobo 12 shake slow to fast		179-189
		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
				0
30	Rotating Gobo Wheel Index, Rotation	Gobo indexing		0-127
		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 Index, Rotation Fine		0-255	0
32	Static Gobo Wheel	Open		0-2
		Forwards rotation from fast to slow		3-14
		No rotation		15-17
		Backwards rotation from slow to fast		18-29
		Gobo 1: 80% Iris Beam		30
		Gobo 2: 60% Iris Beam		31
		Gobo 3: 40% Iris Beam		32
		Gobo 4: 20% Iris Beam		33
		Gobo 5: Dot Line 2		34
		Gobo 6: Dot Triangle 3		35

Mode/ Channel	Function		Value	Default Value
32	Static Gobo Wheel	Gobo 7: Dot Square 4		36
		Gobo 8: Dot Ring 5		37
		Gobo 9: Zig Zag Light		38
		Gobo 10: Vortex Light		39
		Gobo 11: Spiral		40
		Gobo 12: Helix 5		41
		Gobo 13: Triangle Beam		42
		Gobo 14: Daisy		43
		Gobo 15: Nested Star		44
		Gobo 16: Square Ring 8		45
		Gobo 17: Circular Saw 4		46
		Gobo 18: Waves Light		47
		Gobo 19: Prison Bars		48
		Gobo 20: Ink Stain		49
		Gobo 21: Arrows		50
		Gobo 22: Iris 8		51
		Gobo 23: Dot Mix 8		52
		Gobo 24: Quarter Beam NE		53
		Gobo 25: Quarter Beam SE		54
		Gobo 26: Quarter Beam SW		55
		Gobo 27: Quarter Beam NW		56
		Gobo 28: Half Beam Up		57
		Gobo 29: Half Beam Down		58
		Gobo 30: Half Beam Left		59
		Gobo 31: Half Beam Right		60
		Gobo 32: Crash Test Icon		61
		Gobo 33: Split Triangle 4		62
		Gobo 34: Split Triangle 1		63
		Gobo 35: Iron Ball Light		64
		Open		65
		Gobo 36: Vertical Line		66
		Gobo 37: Bold Line		67
		Gobo 38: Square Line 3 V		68
		Gobo 39: Square Line 3 H		69
		Gobo 40: Four Lines H		70
		Gobo 41: Four Lines V		71
		Gobo 42: Square Beam		72
		Gobo 43: Rubik Cube		73
		Gobo 44: Split Cross		74
		Gobo 45: Square Beam 9		75
		Gobo 46: Dot Ring 6		76
		Gobo 47: Dot Ring 7		77
				0

Mode/ Channel	Function		Value	Default Value
32	Static Gobo Wheel	Gobo 48: Split Circle 6		78
		Gobo 49: Dot Mix		79
		Gobo 50: Triangle Beam		80
		Gobo 51: Compass 4		81
		Gobo 52: Star Line 5		82
		Gobo 53: Star 5		83
		Gobo 54: Star 8		84
		Gobo 55: Star 10		85
		Gobo 56: Star 12		86
		Gobo 57: Arrow Ring 6		87
		Gobo 58: Helix 3		88
		Gobo 59: Five Spokes		89
		Gobo 60: Arrow Ring 3		90
		Gobo 61: Nested Cross		91
		Gobo 62: Split Square 1		92
		Gobo 63: X Cross		93
		Gobo 64: Tilde		94
		Open		95
		Gobo 65: Mirror Ball 9		96
		Gobo 66: Split Target		97
		Gobo 67: Split Square 2		98
		Gobo 68: Split Triangle 2		99
		Gobo 69: Split Circle 2		100
		Gobo 70: Number 0		101
		Gobo 71: Number 1		102
		Gobo 72: Number 2		103
		Gobo 73: Number 3		104
		Gobo 74: Number 4		105
		Gobo 75: Number 5		106
		Gobo 76: Number 6		107
		Gobo 77: Number 7		108
		Gobo 78: Number 8		109
		Gobo 79: Number 9		110
		Gobo 1 shake slow to fast		111
		Gobo 2 shake slow to fast		112
		Gobo 3 shake slow to fast		113
		Gobo 4 shake slow to fast		114
		Gobo 5 shake slow to fast		115
		Gobo 6 shake slow to fast		116
		Gobo 7 shake slow to fast		117
		Gobo 8 shake slow to fast		118
		Gobo 9 shake slow to fast		119

Mode/ Channel	Function		Value	Default Value
32	Static Gobo Wheel	Gobo 10 shake slow to fast		120
		Gobo 11 shake slow to fast		121
		Gobo 12 shake slow to fast		122
		Gobo 13 shake slow to fast		123
		Gobo 14 shake slow to fast		124
		Gobo 15 shake slow to fast		125
		Gobo 16 shake slow to fast		126
		Gobo 17 shake slow to fast		127
		Gobo 18 shake slow to fast		128
		Gobo 19 shake slow to fast		129
		Gobo 20 shake slow to fast		130
		Gobo 21 shake slow to fast		131
		Gobo 22 shake slow to fast		132
		Gobo 23 shake slow to fast		133
		Gobo 24 shake slow to fast		134
		Gobo 25 shake slow to fast		135
		Gobo 26 shake slow to fast		136
		Gobo 27 shake slow to fast		137
		Gobo 28 shake slow to fast		138
		Gobo 29 shake slow to fast		139
		Gobo 30 shake slow to fast		140
		Gobo 31 shake slow to fast		141
		Gobo 32 shake slow to fast		142
		Gobo 33 shake slow to fast		143
		Gobo 34 shake slow to fast		144
		Gobo 35 shake slow to fast		145
		Gobo 36 shake slow to fast		146
		Gobo 37 shake slow to fast		147
		Gobo 38 shake slow to fast		148
		Gobo 39 shake slow to fast		149
		Gobo 40 shake slow to fast		150
		Gobo 41 shake slow to fast		151
		Gobo 42 shake slow to fast		152
		Gobo 43 shake slow to fast		153
		Gobo 44 shake slow to fast		154
		Gobo 45 shake slow to fast		155
		Gobo 46 shake slow to fast		156
		Gobo 47 shake slow to fast		157
		Gobo 48 shake slow to fast		158
		Gobo 49 shake slow to fast		159
		Gobo 50 shake slow to fast		160
		Gobo 51 shake slow to fast		161

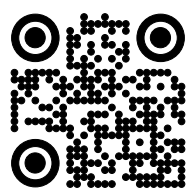
Mode/ Channel	Function		Value	Default Value
32		Gobo 52 shake slow to fast	162	0
		Gobo 53 shake slow to fast	163	
		Gobo 54 shake slow to fast	164	
		Gobo 55 shake slow to fast	165	
		Gobo 56 shake slow to fast	166	
		Gobo 57 shake slow to fast	167	
		Gobo 58 shake slow to fast	168	
		Gobo 59 shake slow to fast	169	
		Gobo 60 shake slow to fast	170	
		Gobo 61 shake slow to fast	171	
		Gobo 62 shake slow to fast	172	
		Gobo 63 shake slow to fast	173	
		Gobo 64 shake slow to fast	174	
		Gobo 65 shake slow to fast	175	
		Gobo 66 shake slow to fast	176	
		Gobo 67 shake slow to fast	177	
		Gobo 68 shake slow to fast	178	
		Gobo 69 shake slow to fast	179	
		Gobo 70 shake slow to fast	180	
		Gobo 71 shake slow to fast	181	
		Gobo 72 shake slow to fast	182	
		Gobo 73 shake slow to fast	183	
		Gobo 74 shake slow to fast	184	
		Gobo 75 shake slow to fast	185	
		Gobo 76 shake slow to fast	186	
		Gobo 77 shake slow to fast	187	
		Gobo 78 shake slow to fast	188	
		Gobo 79 shake slow to fast	189	
		Clock-wise scroll from fast to slow	190-221	
		Reserved	222-223	
		Counter clock-wise scroll from slow to fast	224-255	
33	Prism 1, Frost	Open	0-40	0
		Prism 1: 5-facet circular	 41-83	
		Prism 2: 6-facet circular	 84-126	
		Prism 3: 6-facet linear	 127-169	
		Prism 4: 4 facet-linear	 170-212	
		Light Frost	213-255	
34	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	

Mode/ Channel	Function			Value	Default Value
35	Prism 1 Index, Rotation Fine			0-255	0
36	Prism 2, Frost	Open		0-40	0
		Prism 1: 16-facet circular		41-83	
		Prism 2: 6-facet circular		84-126	
		Prism 3: 6-facet linear		127-169	
		Prism 4: 4-facet linear		170-212	
		Heavy Frost		213-255	
37	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	
38	Prism 2 Index, Rotation Fine			0-255	0
39	Prism 3	Open		0-7	0
		Multiplier prism 1: 5-facet circular		8-131	
		Multiplier prism 3: 5-facet linear		132-255	
40	Prism 3 Index, Rotation 1/3	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	
41	Prism 3 Index, Rotation 1/3 Fine			0-255	0
42	Prism 4	Open		0-7	0
		Multiplier prism 2: 7-facet linear		8-131	
		Multiplier prism 4: 12-facet circular		132-255	
43	Prism 4 Index, Rotation 2/4	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	
44	Prism 4 Index, Rotation 2/4 Fine			0-255	0
45	Macro	unused		0-1	0
		Macro1		2-3	
		Macro2		4-5	
		...		...	
		Macro106		156-157	
		Reserved		158-255	
46	Unused				0
47	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	

Mode/ Channel	Function	Value	Default Value
47	Auto fan control mode	25-26	0
	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	55-57	
	2.4 K	58-60	
	16 K	61-63	
	25 K	64-69	
	Prism Mode Simple	70-74	
	Prism Mode Full	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	
	unused	100-102	
	unused	103-105	
	CMY speed Slow	106-108	
	CMY speed Medium	109-111	
	CMY speed Fast	112-114	
	Prerig INIT Off	115-117	
	Prerig INIT On	118-120	
	Pan Degree 540°	121-123	
	Pan Degree 630°	124-126	
	Tilt Degree 540°	127-129	
	Tilt Degree 270°	130-132	
	Pan Degree 360SC	133-135	
	Tilt Degree 360SC	136-138	
	Illumination Limit: 25 m Distance	139-141	
	Illumination Limit: 15 m Distance	142-144	
	Illumination Limit: 8 m Distance	145-147	
	Reset LED Fade Off	148-150	
	Reset LED Fade On	151-153	
	Beam Mode: Limited Range	154-156	

Mode/ Channel	Function	Value	Default Value
47	Beam Mode: Full Range	157-159	0
	Defog Off	160-162	
	Defog Auto	163-165	
	Defog On	166-168	
	unused	169-180	
	Pan/Tilt Spd Fast	181-183	
	Pan/Tilt Spd Medium	184-186	
	Pan/Tilt Spd Slow	187-189	
	Pan/Tilt Spd FS Mode	190-192	
	Pan/Tilt Spd Spd Tracking 360	193-195	
	Encoder Select Photoelectric	196-198	
	Encoder Select Magnet	199-201	
	CMY Path Shortcut	202-204	
	CMY Path Spinout	205-207	
	unused	208-255	

*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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