































































DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (45DMX CHANNELS) - V113

Mode/Channel		Function	Value	Default Value	
St	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	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	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	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	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	9	Dimmer Intensity	0-255	0	
	10	Dimmer Intensity Fine	0-255	0	
10	11	CTO Colour: 0-white, 255-100% CTO	0-255	0	
11	12	CTO Colour Fine	0-255	0	
12	13	Reserved			
13	14	Zoom: From small to big	0-255	19	
	15	Zoom Fine	0-255	83	
14	16	Focus: From near to far	0-255	90	
	17	Focus Fine	0-255	192	
15	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	
16	19	Auto Focus Fine	0-255	0	





Mode/Channel		Function	Value	Default Value	
17	20	Zoom Mode	Beam mode	0-84	0
			Spot mode	85-169	
			Special mode	170-255	
18	21	Colour Wheel	Open	0	0
			CTO (0-white, 63-100% CTO)	1-63	
			Colour 1: Green	 64	
			Colour 2: Orange	 65	
			Colour 3: Blue	 66	
			Colour 4: Red	 67	
			Colour 5: Pink	 68	
			Colour 6: Medium Yellow	 69	
			Colour 7: Deep Purple	 70	
			Colour 8: Velvet Green	 71	
			Colour 9: Amber	 72	
			Colour 10: Light Blue	 73	
			Colour 11: Light Red	 74	
			Colour 12: Follies Pink	 75	
			Colour 13: Yellow	 76	
			Colour 14: Slate Blue	 77	
			Colour 15: Dark Green	 78	
			Colour 16: Dark Amber	 79	
			Colour 17: Medium Blue	 80	
			Colour 18: Magical Magenta	 81	
			Colour 19: Oklahoma Yellow	 82	
			Colour 20: Congo Blue	 83	
			Colour 21: UV	 84	
			Colour 22: Minus Green 1/4	 85	
			Colour 23: Minus Green 1/2	 86	
			Colour 24: CTB 1/4	 87	
			Colour 25: CTB 1/2	 88	
Colour 26: CTB	 89				
Colour 27: Light Amber	 90				
		unused	91-127		
		Forward rainbow effect from fast to slow	128-189		
		No rotation	190-193		
		Backwards rainbow effect from slow to fast	194-255		
	22	Colour Wheel Fine	0-255	0	
19	23	Cyan Colour (0-white, 255-100% Cyan)	0-255	0	
	24	Cyan Colour Fine	0-255	0	
20	25	Magenta Colour (0-white, 255-100% magenta)	0-255	0	
	26	Magenta Colour Fine	0-255	0	
21	27	Yellow Colour (0-white, 255-100% Yellow)	0-255	0	





Mode/Channel	Function	Value	Default Value
28	Yellow Colour Fine		0
22	29 Rotating Gobo Wheel	Open	0-9
		Rot. gobo 1: Eccentric Dot	10-13
		Rot. gobo 2: Lines Mix	14-17
		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 Yellow	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		
23	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
24	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

Mode/Channel	Function	Value	Default Value
24	32 Static Gobo Wheel	Gobo 4: 20% Iris Beam	33
		Gobo 5: Dot Line 2	34
		Gobo 6: Dot Triangle 3	35
		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

Mode/Channel	Function	Value	Default Value		
24	32	Static Gobo Wheel	Gobo 45: Square Beam 9	 75	0
			Gobo 46: Dot Ring 6	 76	
			Gobo 47: Dot Ring 7	 77	
			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	111				
Gobo 2 shake	112				
Gobo 3 shake	113				
Gobo 4 shake	114				
Gobo 5 shake	115				
Gobo 6 shake	116				

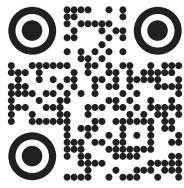
Mode/Channel	Function	Value	Default Value		
24	32	Static Gobo Wheel	Gobo 7 shake	117	0
			Gobo 8 shake	118	
			Gobo 9 shake	119	
			Gobo 10 shake	120	
			Gobo 11 shake	121	
			Gobo 12 shake	122	
			Gobo 13 shake	123	
			Gobo 14 shake	124	
			Gobo 15 shake	125	
			Gobo 16 shake	126	
			Gobo 17 shake	127	
			Gobo 18 shake	128	
			Gobo 19 shake	129	
			Gobo 20 shake	130	
			Gobo 21 shake	131	
			Gobo 22 shake	132	
			Gobo 23 shake	133	
			Gobo 24 shake	134	
			Gobo 25 shake	135	
			Gobo 26 shake	136	
			Gobo 27 shake	137	
			Gobo 28 shake	138	
			Gobo 29 shake	139	
			Gobo 30 shake	140	
			Gobo 31 shake	141	
			Gobo 32 shake	142	
			Gobo 33 shake	143	
			Gobo 34 shake	144	
			Gobo 35 shake	145	
			Gobo 36 shake	146	
			Gobo 37 shake	147	
			Gobo 38 shake	148	
			Gobo 39 shake	149	
			Gobo 40 shake	150	
			Gobo 41 shake	151	
			Gobo 42 shake	152	
			Gobo 43 shake	153	
			Gobo 44 shake	154	
			Gobo 45 shake	155	
			Gobo 46 shake	156	
			Gobo 47 shake	157	
			Gobo 48 shake	158	

Mode/Channel	Function	Value	Default Value		
24	32	Static Gobo Wheel	Gobo 49 shake	159	0
			Gobo 50 shake	160	
			Gobo 51 shake	161	
			Gobo 52 shake	162	
			Gobo 53 shake	163	
			Gobo 54 shake	164	
			Gobo 55 shake	165	
			Gobo 56 shake	166	
			Gobo 57 shake	167	
			Gobo 58 shake	168	
			Gobo 59 shake	169	
			Gobo 60 shake	170	
			Gobo 61 shake	171	
			Gobo 62 shake	172	
			Gobo 63 shake	173	
			Gobo 64 shake	174	
			Gobo 65 shake	175	
			Gobo 66 shake	176	
			Gobo 67 shake	177	
			Gobo 68 shake	178	
			Gobo 69 shake	179	
			Gobo 70 shake	180	
			Gobo 71 shake	181	
			Gobo 72 shake	182	
			Gobo 73 shake	183	
			Gobo 74 shake	184	
			Gobo 75 shake	185	
			Gobo 76 shake	186	
			Gobo 77 shake	187	
			Gobo 78 shake	188	
			Gobo 79 shake	189	
			Clock-wise scroll from fast to slow	190-221	
Reserved	222-223				
Counter clock-wise scroll from slow to fast	224-255				
25	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	
			Heavy Frost	213-255	
26	34	Prism 1 Index, Rotation	Prism indexing	0-127	0
			Forwards prism rotation from fast to slow	128-189	

Mode/Channel	Function	Value	Default Value		
26	34	Prism 1 Index, Rotation	No rotation	190-193	0
			Backwards prism rotation from slow to fast	194-255	
	35	Prism 1 Index, Rotation Fine		0-255	0
27	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	
		Light Frost	213-255		
28	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
29	39	Blanking Zone Number (different zone)	No Blanking	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		
30	40	Blanking Zone Settings (4 points)	No Blanking	0-49	0
			Set pan min	50-99	
			Set pan max	100-149	
			Set tilt min	150-199	
		Set tilt max	200-255		
31	41	Reserved		0-255	0
32	42	Reserved		0-255	0
33	43	Reserved		0-255	0
34	44	Reserved		0-255	0
35	45	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		

Mode/ Channel	Function	Value	Default Value																																																																														
35	45	Control, Reset, Internal Programs	0	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	CTO Control: Colour Wheel	133-135	CTO Control: Separate Ch	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	Beam Mode: Full Range	157-159	Defog Off	160-162	Defog Auto	163-165	Defog On	166-168	unused	169-255
				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																																																																												
				CTO Control: Colour Wheel	133-135																																																																												
				CTO Control: Separate Ch	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																																																																																
Beam Mode: Full Range	157-159																																																																																
Defog Off	160-162																																																																																
Defog Auto	163-165																																																																																
Defog On	166-168																																																																																
unused	169-255																																																																																

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