DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (45DMX CHANNELS) - V125

Mode/Channel			Function			Value	Default Value
Ba	Std	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 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	
4	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	
5	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	
6	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	
7	9	9	**Dimmer Intensity**			0-255	0
		10	**Dimmer Intensity Fine**			0-255	0
8	10	11	**CTO Colour**: 0-white, 255-100% CTO		Only for Std CTO & Ex CTO	0-255	0
9	11	12	**CTO Colour Fine**			0-255	0
10	12	13	**Reserved**				
11	13	14	**Zoom**: From small to big			0-255	19
		15	**Zoom Fine**			0-255	83
12	14	16	**Focus**: From near to far			0-255	90
		17	**Focus Fine**			0-255	192
13	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	
14	16	19	**Auto Focus Fine**			0-255	0

Mode/Channel			Function			Value	Default Value
15	17	20	**Zoom Mode**	Beam mode		0-84	0
				Spot mode		85-169	
				Special mode		170-255	
16	18	21	**Colour Wheel**	Open		0	0
				CTO (0-white, 63-100% CTO)	Only for Std & Ex	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 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
17	19	23	**Cyan Colour** (0-white, 255-100% Cyan)			0-255	0
		24	**Cyan Colour Fine**			0-255	0
18	20	25	**Magenta Colour** (0-white, 255-100% magenta)			0-255	0
		26	**Magenta Colour Fine**			0-255	0

Mode/Channel			Function		Value	Default Value
19	21	27	**Yellow Colour** (0-white, 255-100% Yellow)		0-255	0
		28	**Yellow Colour Fine**			0
20	22	29	**Rotating Gobo Wheel**	Open	0-9	0
				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	
21	23	30	**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	
		31	**Rotating Gobo Wheel Index, Rotation Fine**		0-255	0
22	24	32	**Static Gobo Wheel**	Open	0-2	0
				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	

Mode/Channel			Function	Value	Default Value
22	24	32	**Static Gobo Wheel**	Gobo 2: 60% Iris Beam	31	0
				Gobo 3: 40% Iris Beam	32	
				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	

Mode/Channel			Function		Value	Default Value
22	24	32	Static Gobo Wheel	Gobo 43: Rubik Cube	73	0
				Gobo 44: Split Cross	74	
				Gobo 45: Square Beam 9	75	
				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	

Mode/Channel			Function		Value	Default Value
22	24	32	Static Gobo Wheel	Gobo 5 shake	115	0
				Gobo 6 shake	116	
				Gobo 7 shake	117	
				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	

Mode/Channel			Function		Value	Default Value
22	24	32	**Static Gobo Wheel**	Gobo 47 shake	157	0
				Gobo 48 shake	158	
				Gobo 49 shake	159	
				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	
23	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	
				Light Frost	213-255	

Mode/Channel			Function		Value	Default Value
24	26	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	
		35	**Prism 1 Index, Rotation Fine**		0-255	0
25	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	
				Heavy Frost	213-255	
26	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
27	29	39	**Reserved**		0-255	0
28	30	40	**Reserved**		0-255	0
29	31	41	**Reserved**		0-255	0
30	32	42	**Reserved**		0-255	0
31	33	43	**Reserved**		0-255	0
32	34	44	**Reserved**		0-255	0
33	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	
				Linear	50-54	
				1.2 K	55-57	
				2.4 K	58-60	
				16 K	61-63	
				25 K	64-69	

Mode/Channel	Function	Value	Default Value
	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	0
	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	
	Zoom behavior: Off	160-162	
	Zoom behavior: Cobra 2	163-165	
	Pan/Tilt Spd Fast	166-168	
	Pan/Tilt Spd Medium	169-171	
	Pan/Tilt Spd Slow	172-174	
	Pan Degree 360SC	175-177	
	Tilt Degree 360SC	178-180	
	unused	181-255	

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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