







DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (42 DMX CHANNELS) - V224

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	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	
6	8	8	Dimmer Intensity: Intensity 0 to 100%	0-255	0	
				9	Dimmer Intensity Fine	0-255
7	9	10	Reserved			
8	10	11	Reserved			
9	11	12	Reserved			
10	12	13	Zoom: From small to big	0-255	128	
				14	Zoom Fine	0-255
11	13	15	Focus: From near to far	0-255	128	
				16	Focus Fine	0-255
12	14	17	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	
13	15	18	Auto Focus Fine	0-255	0	
14	16	19	Colour Wheel 1	Open/white	0-3	0
				Colour 1: CTB 1/4	4-7	
				Colour 2: Magenta	8-11	
				Colour 3: Congo Blue	12-15	
				Colour 3: Congo Blue	12-15	

Mode/Channel			Function	Value	Default Value	
Ba	Std	Ex				
14	16	19	Colour Wheel 1	Colour 4: Green	16-19	0
				Colour 5: Orange	20-23	
				Colour 6: Blue	24-27	
				Colour 7: Red	28-31	
				Colour 8: Medium Yellow	32-35	
				Colour 9: Dark Green	36-39	
				Colour 10: Medium Blue	40-43	
				Colour 11: Light Amber	44-47	
				Colour 12: CTB 1/2	48-51	
				Colour 13: Minus Green 1/4	52-55	
				Colour 14: Minus Green 1/2	56-59	
				Colour 15: Pink	60-63	
				Colour 16: Violet	64-67	
				Colour 17: Amber	68-71	
				Colour indexing	72-127	
				Forwards rainbow effect from fast to slow	128-189	
				No rotation	190-193	
Backwards rainbow effect from slow to fast	194-255					
	20	20	Colour Wheel 1 Fine	0-255	0	
15	17	21	Cyan Colour (0-white, 255-100% Cyan)	0-255	0	
				22	Cyan Colour Fine	0-255
16	18	23	Magenta Colour (0-white, 255-100% magenta)	0-255	0	
				24	Magenta Colour Fine	0-255
17	19	25	Yellow Colour (0-white, 255-100% Yellow)	0-255	0	
				26	Yellow Colour Fine	0-255
18	20	27	CTO Colour (0-white, 255-100% CTO)	0-255	0	
				28	CTO Colour Fine	0-255
19	21	29	Rotating Gobo Wheel	Open	0-9	0
				Rot. gobo 1: Star Dust	10-18	
				Rot. gobo 2: Iron Filings	19-27	
				Rot. gobo 3: Nested Triangle	28-36	
				Rot. gobo 4: Vortex	37-45	
				Rot. gobo 5: Black & White Target	46-54	
				Rot. gobo 6: Smoke Rings	55-63	
				Rot. gobo 7: Dot Line 11	64-72	
				Rot. gobo 8: Nested Rings Yellow	73-81	
				Rot. gobo 9: CMY Liquid Effect	82-90	
				Gobo 1 shake slow to fast	91-101	
Gobo 2 shake slow to fast	102-112					
Gobo 3 shake slow to fast	113-123					
Gobo 3 shake slow to fast	124-134					

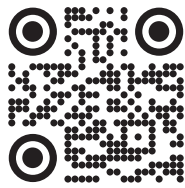
Mode/Channel			Function	Value	Default Value	
19	21	29	Rotating Gobo Wheel	Gobo 4 shake slow to fast	135-145	0
				Gobo 5 shake slow to fast	146-156	
				Gobo 5 shake slow to fast	157-167	
				Gobo 6 shake slow to fast	168-178	
				Gobo 7 shake slow to fast	179-189	
				Gobo 8 shake slow to fast	190-221	
				Gobo 9 shake slow to fast	222-223	
				Gobo wheel rotation forwards from fast to slow	224-255	
20	22	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	
21	23	32	Static Gobo Wheel	Open	0-31	0
				Gobo 1: Conical Tunnel Effect	32	
				Gobo 2: Target Tunnel Effect	33	
				Gobo 3: Square Tunnel Effect	34	
				Gobo 4: Triangle Tunnel Effect	35	
				Gobo 5: Organic	36	
				Gobo 6: Water	37	
				Gobo 7: Nuclear	38	
				Gobo 8: Mirror Ball Light	39	
				Gobo 9: Fireworks Light	40	
				Gobo 10: ZigZag	41	
				Gobo 11: Big Eye	42	
				Gobo 12: Ant	43	
				Gobo 13: Ayrton Logo	44	
				Gobo 14: Abstract Square	45	
				Gobo 15: Lost In The Brain	46	
				Gobo 16: Deep Forest	47	
				Gobo 17: Tree Bark	48	
				Gobo 18: Stained Glass	49	
				Gobo 19: Digital	50	
				Open	51	
				Gobo 20: Bold Line	52	
				Gobo 21: Square Line 5	53	
				Gobo 22: Four Lines	54	
				Gobo 23: Square Beam	55	
				Gobo 24: Rubik Cube	56	
Gobo 25: Square Beam 4	57					
Gobo 26: Square Beam 25	58					

Mode/Channel			Function	Value	Default Value	
21	23	32	Static Gobo Wheel	Gobo 27: Square Beam Mix	59	0
				Gobo 28: Triangle Beam	60	
				Gobo 29: Star Beam	61	
				Gobo 30: Nested Rings Light	62	
				Gobo 31: Bubble Light	63	
				Gobo 32: Arrows	64	
				Open	65	
				Gobo 33: Full Beam	66	
				Gobo 34: 80% Iris Beam	67	
				Gobo 35: 60% Iris Beam	68	
				Gobo 36: 40% Iris Beam	69	
				Gobo 37: 20% Iris Beam	70	
				Gobo 38: Dot Triangle 3	71	
				Gobo 39: Dot Mix	72	
				Gobo 1 shake slow to fast	73-75	
				Gobo 2 shake slow to fast	76-78	
				Gobo 3 shake slow to fast	79-81	
				Gobo 4 shake slow to fast	82-84	
				Gobo 5 shake slow to fast	85-87	
				Gobo 6 shake slow to fast	88-90	
				Gobo 7 shake slow to fast	91-93	
				Gobo 8 shake slow to fast	94-96	
				Gobo 9 shake slow to fast	97-99	
				Gobo 10 shake slow to fast	100-102	
				Gobo 11 shake slow to fast	103-105	
				Gobo 12 shake slow to fast	106-108	
				Gobo 13 shake slow to fast	109-111	
				Gobo 14 shake slow to fast	112-114	
				Gobo 15 shake slow to fast	115-117	
				Gobo 16 shake slow to fast	118-120	
				Gobo 17 shake slow to fast	121-123	
				Gobo 18 shake slow to fast	124-126	
				Gobo 19 shake slow to fast	127-129	
				Gobo 20 shake slow to fast	130-132	
				Gobo 21 shake slow to fast	133-135	
				Gobo 22 shake slow to fast	136-138	
				Gobo 23 shake slow to fast	139-141	
				Gobo 24 shake slow to fast	142-144	
				Gobo 25 shake slow to fast	145-147	
Gobo 26 shake slow to fast	148-150					
Gobo 27 shake slow to fast	151-153					
Gobo 28 shake slow to fast	154-156					

Mode/Channel	Function	Value	Default Value	
21 23 32	Static Gobo Wheel	Gobo 29 shake slow to fast	157-159	0
		Gobo 30 shake slow to fast	160-162	
		Gobo 31 shake slow to fast	163-165	
		Gobo 32 shake slow to fast	166-168	
		Gobo 33 shake slow to fast	169-171	
		Gobo 34 shake slow to fast	172-174	
		Gobo 35 shake slow to fast	175-177	
		Gobo 36 shake slow to fast	178-180	
		Gobo 37 shake slow to fast	181-183	
		Gobo 38 shake slow to fast	184-186	
		Gobo 39 shake slow to fast	187-189	
		Clock-wise scroll from fast to slow	190-221	
		Reserved	222-223	
		Counter clock-wise scroll from slow to fast	224-255	
22 24 33	Animation Wheel	Open 	0-7	0
		Forwards rotation from fast to slow	8-127	
		No rotation 	128-135	
		Backwards rotation from slow to fast	136-255	
23 25 34	Prism 1 - 2	Open	0-63	0
		Prism 1: 8-facet circular 	64-127	
		Prism 2: 6-facet linear 	128-255	
24 26 35	Prism 1-2 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	
	36	Prism 1-2 Index, Rotation Fine	0-255	0
25 27 37	Prism 3 - 4	Open	0-63	0
		Prism 3: 16-facet circular 	64-127	
		Prism 4: 6-facet linear 	128-255	
26 28 38	Prism 3-4 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	
	39	Prism 3-4 Index, Rotation Fine	0-255	0
27 29 40	Frost 1: 0- 100%	0-255	0	
28 30 41	Frost 2: 0-100%	0-255	0	
29 31 42	Control, Reset, Internal programs	unused	0-4	0
		Display Off	5-9	
		Display On	10-14	
		Display Invert Off	15-19	

Mode/Channel	Function	Value	Default Value	
29 31 42	Control, Reset, Internal Programs	Display Invert On	20-24	0
		Auto fan control mode	25-26	
		Stage	27-28	
		Silence fan control made	29-30	
		Super Silence fan control made	31-32	
		Constant Fans Off	33-34	
		Constant Fans On	35-36	
		unused	37-44	
		Square Law	45-49	
		Linear	50-54	
		1.2K	55-57	
		2.4K	58-60	
		16K	61-63	
		25K	64-69	
		Gobo correction Off	70-74	
		Gobo correction On	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	
		Frost Progressive Off	100-102	
		Frost Progressive On	103-105	
		CMY speed Slow	106-108	
		CMY speed Fast	109-111	
		Prerig INIT Off	112-114	
		Prerig INIT On	115-117	
		Pan/Tilt speed Fast	118-120	
		Pan/Tilt speed Medium	121-123	
Pan/Tilt speed Low	124-126			
Pan/Tilt speed FS Mode	127-129			
Pan/Tilt speed tracking 360	130-132			
unused	133-150			
Pan degree 540°	151-153			
Pan degree 630°	154-156			
unused	157-255			

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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