














DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (62DMX CHANNELS) - V221

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	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	
5	7	7	Dimmer Intensity: Intensity 0 to 100%	0-255	0	
	8	8	Dimmer Intensity Fine	0-255	0	
6	8	9	Reserved			
7	9	10	Reserved			
8	10	11	Reserved			
9	11	12	Zoom: From small to big	0-255	128	
	13	13	Zoom Fine	0-255	0	
10	12	14	Focus: From near to far	0-255	128	
	15	15	Focus Fine	0-255	0	
11	13	16	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	
12	14	17	Auto Focus Fine	0-255	0	
13	15	18	Colour Wheel	Open/white	0-3	0
				Colour 1: CTB 1/4	4-7	
				Colour 2: Magenta	8-11	
				Colour 3: Congo Blue	12-15	
				Colour 4: Green	16-19	
				Colour 5: Orange	20-23	
				Colour 6: Blue	24-27	
				Colour 7: Red	28-31	
				Colour indexing	32-127	

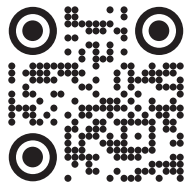
Mode/Channel			Function	Value	Default Value	
Ba	Std	Ex				
13	15	18	Colour Wheel	Forward rainbow effect from fast to slow	128-189	0
				No rotation	190-193	
				Backwards rainbow effect from slow to fast	194-255	
		19	Colour Wheel Fine	0-255	0	
14	16	20	Minus Green	Open	0-63	0
				Colour 1: Minus Green 1/2	64-127	
				Colour 2: Minus Green 1/4	128-255	
15	17	21	Cyan Colour (0-white, 255-100% Cyan)	0-255	0	
		22	Cyan Colour Fine	0-255	0	
16	18	23	Magenta Colour (0-white, 255-100% magenta)	0-255	0	
		24	Magenta Colour Fine	0-255	0	
17	19	25	Yellow Colour (0-white, 255-100% Yellow)	0-255	0	
		26	Yellow Colour Fine	0-255	0	
18	20	27	CTO Colour (0-white, 255-100% CTO)	0-255	0	
		28	CTO Colour Fine	0-255	0	
19	21	29	Rotating Gobo Wheel	Open	0-9	0
				Rot. gobo 1: Dot Line 11	10-19	
				Rot. gobo 2: Star Dust	20-29	
				Rot. gobo 3: Nested Triangle	30-39	
				Rot. gobo 4: Vortex	40-49	
				Rot. gobo 5: Black & White Target	50-59	
				Rot. gobo 6: Nested Rings Yellow	60-69	
				Rot. 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 f backwards from slow to fast	224-255					
20	22	30	Rotating Gobo Wheel Index, Rotation	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	0-13	0
				Gobo 1: Conical Tunnel Effect	14-18	
				Gobo 2: Smoke Rings	19-23	

Mode/Channel			Function	Value	Default Value	
21	23	32	Static Gobo Wheel	Gobo 3: Fireworks 	24-28	0
				Gobo 4: Abstract Square 	29-33	
				Gobo 5: Iron Filings 	34-38	
				Gobo 6: Lost In The Brain 	39-43	
				Gobo 7: Deep Forest 	44-48	
				Gobo 8 : Tree Bark 	49-53	
				Gobo 9: Mirror Ball 	54-58	
				Gobo 10: Digital 	59-63	
				Gobo 11: Stained Glass 	64-68	
				Gobo 1 shake slow to fast	69-79	
				Gobo 2 shake slow to fast	80-90	
				Gobo 3 shake slow to fast	91-101	
				Gobo 4 shake slow to fast	102-112	
				Gobo 5 shake slow to fast	113-123	
				Gobo 6 shake slow to fast	124-134	
				Gobo 7 shake slow to fast	135-145	
				Gobo 8 shake slow to fast	146-156	
				Gobo 9 shake slow to fast	157-167	
				Gobo 10 shake slow to fast	168-178	
				Gobo 11 shake slow to fast	179-189	
				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	Iris	Max. diameter to Min.diameter	0-191	0
				Pulse closing fast to slow	192-223	
				Pulse opening slow to fast	224-255	
		35	Iris Fine	0-255	0	
24	26	36	Prism 1	Open	0-127	0
				5-facet circular prism 	128-255	
25	27	37	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	
		38	Prism 1 Index, Rotation Fine	0-255	0	
26	28	39	Prism 2	Open	0-127	0
				4-facet linear prism 	128-255	
27	29	40	Prism 2 Index, Rotation	Prism indexing	0-127	0
				Forwards prism rotation from fast to slow	128-189	

Mode/Channel			Function	Value	Default Value	
27	29	40	Prism 2 Index, Rotation	No rotation	190-193	0
				Backwards prism rotation from slow to fast	194-255	
		41	Prism 2 Index, Rotation Fine	0-255	0	
28	30	42	Frost 1 (Light): 0-100%	0-255	0	
29	31	43	Frost 2 (Heavy): 0-100%	0-255	0	
30	32	44	Blade 1A: Open to Close	0-255	0	
				45		Blade 1A Fine: Open to Close Fine
31	33	46	Blade 1B: Open to Close	0-255	0	
				47		Blade 1B Fine: Open to Close Fine
32	34	48	Blade 2A: Open to Close	0-255	0	
				49		Blade 2A Fine: Open to Close Fine
33	35	50	Blade 2B: Open to Close	0-255	0	
				51		Blade 2B Fine: Open to Close Fine
34	36	52	Blade 3A: Open to Close	0-255	0	
				53		Blade 3A Fine: Open to Close Fine
35	37	54	Blade 3B: Open to Close	0-255	0	
				55		Blade 3B Fine: Open to Close Fine
36	38	56	Blade 4A: Open to Close	0-255	0	
				57		Blade 4A Fine: Open to Close Fine
37	39	58	Blade 4B: Open to Close	0-255	0	
				59		Blade 4B Fine: Open to Close Fine
38	40	60	All Blade Rotation	0-255	128	
				61		All Blade Rotation Fine
39	41	62	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					
Gobo correction Off	70-74					

Mode/ Channel			Function	Value	Default Value	
39	41	62	Gobo correction On	75-79	0	
			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		
			Control, Reset, Internal Programs	CMY speed Slow		106-107
			CMY speed Medium	108-109		
			CMY speed Fast	110-111		
			Prerig INIT Off	112-114		
			Prerig INIT On	115-117		
			Silence Movements Off	118-120		
			Silence Movements On	121-123		
			Pan/Tilt Spd Medium	124-126		
			Pan/Tilt Spd Fast	127-129		
			Pan/Tilt Spd Slow	130-132		
Pan/Tilt Spd FS Mode	133-135					
unused	136-255					

*Errors and omissions for all information given in this user manual are possible.
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