












DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (67 DMX CHANNELS) - V112

Mode/Channel		Function	Value	Default Value	
Std	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	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	
5	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	
6	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	
7	8	Shutter, Strobe	Shutter closed	0-10	15
			No fuction (Shutter open)	11-20	
			Strobe effect slow to fast	21-117	
			No fuction (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	
8	9	Dimmer Intensity: 0 to 100%	0-255	0	
9	10	Dimmer Intensity Fine	0-255	0	
10	11	Zoom Adjustment From Small To Big: From 4° to 52°	0-255	128	
11	12	Zoom Fine	0-255	0	
12	13	Focus: From near to far	0-255	128	
13	14	Focus Fine	0-255	0	
	15	Auto Focus	Auto Focus Off	0-50	0
			5m	51-100	
			7.5 m	101-150	
			10 m	151-200	
			15 m	201-255	
	16	Auto Focus Fine	0-255	0	
14	17	Colour Wheel	Open / white	0-3	0
			Colour 1: CTB 1/4	4-7	
			Colour 2: Magenta	8-11	

Mode/Channel		Function	Value	Default Value	
14	17	Colour Wheel	Colour 3: Congo Blue	12-15	0
			Colour 4: Green	16-19	
			Colour 5: Orange	20-23	
			Colour 6: Blue	24-27	
			Colour 7: Red	28-31	
			Colour indexing	32-127	
			Forwards rainbow effect from fast to slow	128-189	
			No rotation	190-193	
		Backwards rainbow effect from slow to fast	194-255		
15	18	Colour Wheel Fine	0-255	0	
16	19	Cyan Colour (0-white, 255-100% Cyan)	0-255	0	
			20	Cyan Colour Fine	0-255
17	21	Magenta Colour (0-white, 255-100% magenta)	0-255	0	
			22	Magenta Colour Fine	0-255
18	23	Yellow Colour (0-white, 255-100% Yellow)	0-255	0	
			24	Yellow Colour Fine	0-255
19	25	CTO Colour (0-white, 255-100% CTO)	0-255	0	
			26	CTO Colour Fine	0-255
20	27	CTP Colour (0-white, 255-100% CTP)	0-255	0	
			28	CTP Colour Fine	0-255
	29	Reserved			
	30	Reserved			
	31	Reserved			
21	32	Rotating Gobo Wheel	Open	0-9	0
			Rot. gobo 1: Dot Line 11	10-19	
			Rot. gobo 2: Star Field	20-29	
			Rot. gobo 3: Nested Triangle	30-39	
			Rot. gobo 4: Infinite Stairs	40-49	
			Rot. gobo 5: Bread Stix	50-59	
			Rot. gobo 6: Circle of Squares	60-69	
			Rot. gobo 7: Nested Rings Yellow	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				

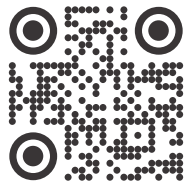
Mode/Channel	Function	Value	Default Value		
22	33	Rotating Gobo Wheel Index, Rotation	Gobo indexing	0-127	0
			Forwards gobo rotation from fast to slow	128-189	
			No rotation	190-193	
			Backwards gobo rotation from slow to fast	194-255	
23	34	Rotating Gobo Wheel Index, Rotation Fine	0-255	0	
24	35	Rotating Gobo Wheel 2	Open	0-9	0
			Rot. gobo 1: Conical Tunnel Effects 	10-19	
			Rot. gobo 2: Smoke Rings 	20-29	
			Rot. gobo 3: Fireworks 	30-39	
			Rot. gobo 4: Abstract Square 	40-49	
			Rot. gobo 5: Iron Filings 	50-59	
			Rot. gobo 7: Deep Forest 	60-69	
			Rot. gobo 7: Tree Bark 	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 backwards from slow to fast	224-255	
			25	36	
Forwards gobo rotation from fast to slow	128-189				
No rotation	190-193				
Backwards gobo rotation from slow to fast	194-255				
26	37	Rotating Gobo Wheel 2 Index, Rotation Fine	0-255	0	
27	38	Animation Wheel	No rotation 	0-7	0
			Forwards rotation from fast to slow	8-127	
			No rotation 	128-135	
			Backwards rotation from slow to fast	136-255	
28	39	Iris	Max. diameter to Min.diameter	0-191	0
			Pulse closing fast to slow	192-223	
			Pulse opening slow to fast	224-255	
40	Iris Fine	0-255	0		
29	41	Prism 1	Open	0-127	0
			Prism 1: 5-facet circular 	128-255	
30	42	Prism 1 Index, Rotation	Prism indexing	0-127	0
			Forwards prism rotation from fast to slow	128-189	
			No rotation	190-193	

Mode/Channel	Function	Value	Default Value		
30	42	Prism 1 Index, Rotation	Backwards prism rotation from slow to fast	194-255	0
	43	Prism 1 Index, Rotation Fine		0-255	0
31	44	Prism 2	Open	0-127	0
			Prism 2: 4-facet linear 	128-255	
32	45	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	
46	Prism 2 Index, Rotation Fine	0-255	0		
33	47	Frost 1: 0-100%	0-255	0	
34	48	Frost 2: 0-100%	0-255	0	
35	49	Blade 1A: Open to Close	0-255	0	
	50	Blade 1A Fine: Open to Close Fine	0-255	0	
36	51	Blade 1B: Open to Close	0-255	0	
	52	Blade 1B Fine: Open to Close Fine	0-255	0	
37	53	Blade 2A: Open to Close	0-255	0	
	54	Blade 2A Fine: Open to Close Fine	0-255	0	
38	55	Blade 2B: Open to Close	0-255	0	
	56	Blade 2B Fine: Open to Close Fine	0-255	0	
39	57	Blade 3A: Open to Close	0-255	0	
	58	Blade 3A Fine: Open to Close Fine	0-255	0	
40	59	Blade 3B: Open to Close	0-255	0	
	60	Blade 3B Fine: Open to Close Fine	0-255	0	
41	61	Blade 4A: Open to Close	0-255	0	
	62	Blade 4A Fine: Open to Close Fine	0-255	0	
42	63	Blade 4B: Open to Close	0-255	0	
	64	Blade 4B Fine: Open to Close Fine	0-255	0	
43	65	All Blade Rotation: +/- 90°	0-255	128	
	66	All Blade Rotation Fine	0-255	0	
44	67	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				

Mode/Channel	Function	Value	Default Value		
44	67	Control, Reset, Internal Programs			
			Square Law	45-49	
			Linear	50-54	
			1.2K	55-58	
			2.4K	59-62	
			16K	63-66	
			25K	67-69	
			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 Fast	106-108	
			CMY speed Medium	109-111	
			CMY speed Slow	112-114	
			unused	115-117	
			unused	118-120	
			Sun Protection Off	121-123	
			Sun Protection On	124-126	
			Pan Reverse Off	127-129	
			Pan Reverse On	130-132	
			Tilt Reverse Off	133-135	
			Tilt Reverse On	136-138	
			Pan Degree 540°	139-141	
			Pan Degree 630°	142-144	
			Tilt Degree 540°	145-147	
			Tilt Degree 270°	148-150	
			Feedback Off	151-153	
			Feedback On	154-156	
			Init PAN Off	157-159	
			Init PAN On	160-162	
			Init TILT Off	163-165	
			Init TILT On	166-168	
Prerig INIT Off	169-171				
Prerig INIT On	172-174				

Mode/Channel	Function	Value	Default Value		
44	67	Control, Reset, Internal Programs			
			Reset Mode (Fast)	175-177	
			Reset Mode (All Rot Gobos)	178-180	
			Pan/Tilt Spd Fast	181-183	
			Pan/Tilt Spd Medium	184-186	
			Pan/Tilt Spd Slow	187-189	
			Pan/Tilt Spd FS Mode	190	
			Pan/Tilt Spd Tracking 360	191	
			unused	192	
			Zoom/Focus Spd Fast	193-195	
			Zoom/Focus Spd Medium	196-198	
			Zoom/Focus Spd Slow	199-201	
			Reset LED Fade Off	202-204	
			Reset LED Fade On	205-207	
			Defog Off	208-210	
			Defog Auto	211-213	
			Defog On	214-216	
			Framing Constant Off	217-219	
			Framing Constant On	220-222	
			unused	223-255	

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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