




























DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (70 DMX CHANNELS) - V210

Mode/Channel			Function	Value	Default Value	
Ba	St	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 Fan/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	Zoom: From small to big	0-255	128	
	10	10	Zoom Fine	0-255	0	
7	9	11	Focus: From near to far	0-255	128	
	12	12	Focus Fine	0-255	0	
8	10	13	Auto Focus	Auto Focus Off	0-50	0
				5m	51-100	
				7.5 m	101-150	
				10 m	151-200	
				15 m	201-255	
9	11	14	Auto Focus Fine	0-255	0	
10	12	15	Colour Wheel	Open / white	0-3	0
				Colour 1: CTB 1/4	 4-7	
				Colour 2: Congo Blue	 8-11	
				Colour 3: Green	 12-15	
				Colour 4: Orange	 16-19	
				Colour 5: Blue	 20-23	
				Colour 6: Red	 24-27	
				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		
	16	16	Colour Wheel Fine	0-255	0	







Mode/Channel			Function	Value	Default Value	
11	13	17	Cyan Colour (0-white, 255-100% Cyan)	0-255	0	
		18	Cyan Colour Fine	0-255	0	
12	14	19	Magenta (0-white, 255-100% magenta)	0-255	0	
		20	Magenta Colour Fine	0-255	0	
13	15	21	Yellow Colour (0-white, 255-100% Yellow)	0-255	0	
		22	Yellow Colour Fine	0-255	0	
14	16	23	CTO Colour (0-white, 255-100% CTO)	0-255	0	
		24	CTO Colour Fine	0-255	0	
15	17	25	CTB Colour (0-white, 255-100% CTB)	0-255	0	
		26	CTB Colour Fine	0-255	0	
16	18	27	CTP Colour (0-white, 255-100% CTP)	0-255	0	
		28	CTP Colour Fine	0-255	0	
17	19	29	Colour Presets: See Appendix			
18	20	30	Reserved			
19	21	31	Reserved			
20	22	32	Reserved			
21	23	33	Rotating Gobo Wheel 1	Open	0-9	0
				Rot. gobo 1: Dot Line 4	 10-19	
				Rot. gobo 2: Dot Ring 8	 20-29	
				Rot. gobo 3: Dot Triangle 3	 30-39	
				Rot. gobo 4: Square Beam 4	 40-49	
				Rot. gobo 5: Eccentric Dot	 50-59	
				Rot. gobo 6: Five Spokes	 60-69	
				Rot. gobo 7: Beam Shaper	 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					
22	24	34	Rotating Gobo Wheel 1 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	
			35	Rotating Gobo Wheel 1 Index, Rotation Fine		0











Mode/Channel			Function	Value	Default Value	
23	25	36	Rotating Gobo Wheel 2	Open	0-9	0
				Rot. gobo 1: Star Dust	 10-19	
				Rot. gobo 2: Water	 20-29	
				Rot. gobo 3: Prison Bars	 30-39	
				Rot. gobo 4: Smoke Rings	 40-49	
				Rot. gobo 5: Deep Forest	 50-59	
				Rot. gobo 6: Tree Bark	 60-69	
				Rot. gobo 7: Nested Rings Yellow	 70-79	
				Gobo 1 shake slow to fast	80-89	
				Gobo 2 shake slow to fast	90-99	
				Gobo 3 shake slow to fast	100-109	
				Gobo 4 shake slow to fast	110-119	
				Gobo 5 shake slow to fast	120-129	
				Gobo 6 shake slow to fast	130-139	
				Gobo 7 shake slow to fast	140-149	
				Gobo wheel rotation forwards from fast to slow	170-179	
				No rotation	180-189	
				Gobo wheel rotation f backwards from slow to fast	190-221	
				24	26	
Forwards gobo rotation from fast to slow	128-189					
No rotation	190-193					
Backwards gobo rotation from slow to fast	194-255					
38 Rotating Gobo Wheel 2 Index, Rotation Fine				0-255	0	
25	27	39	Animation Wheel 1	Open	 0-7	0
				Forwards rotation from fast to slow	8-127	
				No rotation	 128-135	
				Backwards rotation from slow to fast	136-255	
26	28	40	Animation Wheel 2: Animation indexing	Open	 0	0
				Animation Left-Right	 1	
				Animation Top-Bottom	 128	
				Animation Center	 255	
27	29	41	Rotating Animation Wheel 2	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	30	42	Iris	Max. diameter to Min.diameter	0-191	0
				Pulse closing fast to slow	192-223	
				Pulse opening slow to fast	224-255	
43 Iris Fine				0-255	0	
29	31	44	Prism 1	Open	0-127	0
				Prism 1: 5-facet circular	 128-255	

Mode/Channel			Function	Value	Default Value	
30	32	45	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	
46 Prism 1 Index, Rotation Fine				0-255	0	
31	33	47	Prism 2	Open	0-127	0
				Prism 2: 5-facet linear	 128-255	
32	34	48	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	
49 Prism 2 Index, Rotation Fine				0-255	0	
33	35	50	Frost 1: 0-100%	0-255	0	
34	36	51	Frost 2: 0-100%	0-255	0	
35	37	52	Blade 1A: Open to Close	0-255	0	
				53 Blade 1A Fine: Open to Close Fine	0-255	0
36	38	54	Blade 1B: Open to Close	0-255	0	
				55 Blade 1B Fine: Open to Close Fine	0-255	0
37	39	56	Blade 2A: Open to Close	0-255	0	
				57 Blade 2A Fine: Open to Close Fine	0-255	0
38	40	58	Blade 2B: Open to Close	0-255	0	
				59 Blade 2B Fine: Open to Close Fine	0-255	0
39	41	60	Blade 3A: Open to Close	0-255	0	
				61 Blade 3A Fine: Open to Close Fine	0-255	0
40	42	62	Blade 3B: Open to Close	0-255	0	
				63 Blade 3B Fine: Open to Close Fine	0-255	0
41	43	64	Blade 4A: Open to Close	0-255	0	
				65 Blade 4A Fine: Open to Close Fine	0-255	0
42	44	66	Blade 4B: Open to Close	0-255	0	
				67 Blade 4B Fine: Open to Close Fine	0-255	0
43	45	68	All Blade Rotation: +/- 90°	0-255	128	
				69 All Blade Rotation Fine	0-255	0
44	46	70	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					













Mode/ Channel			Function	Value	Default Value	
44	46	70	Control, Reset, Internal Programs	Constant Fans Off	33-34	0
			Constant Fans On	35-36		
			unused	37-44		
			Square Law	45-49		
			Linear	50-54		
			1.2 K	55-58		
			2.4 K	59-62		
			16 K	63-66		
			25 K	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		
			Pan/Tilt Spd Medium	115-117		
			Pan/Tilt Spd Fast	118-120		
			Pan/Tilt Spd Slow	121-123		
			Pan/Tilt Spd FS Mode	124-126		
			Prerig INIT Off	127-129		
			Prerig INIT On	130-132		
unused	133-255					


DOMINO MODE

Mode/Channel	Function	Value	Default Value	
Domino Mode				
1	PAN Movement 8bit	0-255	128	
2	Pan Fine 16bit	0-255	0	
3	TILT Movement 8bit	0-255	128	
4	Tilt Fine 16bit	0-255	0	
5	Speed Fan/Tilt Movement	Max to min speed	0-225	0
		Blackout by movement	226-235	
5	Speed Fant/Tilt Movement	Blackout by all wheel changing	236-245	0
		No function	246-255	
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	
246-255	No function (shutter open)			
7	Dimmer Intensity: Intensity 0 to 100%	0-255	0	
8	Dimmer Intensity Fine	0-255	0	
12	Zoom: From small to big	0-255	128	
13	Zoom Fine	0-255	0	
14	Focus: From near to far	0-255	128	
15	Focus Fine	0-255	0	
16	Auto Focus	Auto Focus Off	0-50	0
		5m	51-100	
		7.5 m	101-150	
		10 m	151-200	
		15 m	201-255	
17	Auto Focus Fine	0-255	0	
18	Colour Wheel	Open / white	0-3	0
		Colour 1: CTB 1/4 	4-7	
		Colour 2: Congo Blue 	8-11	
		Colour 3: Green 	12-15	
		Colour 4: Orange 	16-19	
		Colour 5: Blue 	20-23	
		Colour 6: Red 	24-27	
		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			
19	Colour Wheel Fine	0-255	0	

Mode/Channel	Function	Value	Default Value	
20	CTB/CRI	Open	0-63	0
		CTB	64-127	
		unused	128-255	
21	Cyan Colour (0-white, 255-100% Cyan)	0-255	0	
22	Cyan Colour Fine	0-255	0	
23	Magenta Colour (0-white, 255-100% magenta)	0-255	0	
24	Magenta Colour Fine	0-255	0	
25	Yellow Colour (0-white, 255-100% Yellow)	0-255	0	
26	Yellow Colour Fine	0-255	0	
27	CTO Colour (0-white, 255-100% CTO)	0-255	0	
28	CTO Colour Fine	0-255	0	
9	Reserved			
10	Reserved			
11	Reserved			
29	Rotating Gobo Wheel 1	Open	0-9	0
		Rot. gobo 1: Dot Line 4 	10-19	
		Rot. gobo 2: Dot Ring 8 	20-29	
		Rot. gobo 3: Dot Triangle 3 	30-39	
		Rot. gobo 4: Square Beam 4 	40-49	
		Rot. gobo 5: Eccentric Dot 	50-59	
		Rot. gobo 6: Five Spokes 	60-69	
		Rot. gobo 7: Beam Shaper 	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			
30	Rotating Gobo Wheel 1 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 1 Index, Rotation Fine		0	
32	Rotating Gobo Wheel 2	Open	0-9	0
		Rot. gobo 1: Star Dust 	10-19	
		Rot. gobo 2: Water 	20-29	
	Rot. gobo 3: Prison Bars 	30-39		

DOMINO MODE

Mode/Channel	Function	Value	Default Value
32	Open	0-9	0
	Rot. gobo 1: Star Dust 	10-19	
	Rot. gobo 2: Water 	20-29	
	Rot. gobo 3: Prison Bars 	30-39	
	Rot. gobo 4: Smoke Rings 	40-49	
	Rot. gobo 5: Deep Forest 	50-59	
	Rot. gobo 6: Tree Bark 	60-69	
	Rot. gobo 7: Nested Rings Yellow 	70-79	
	Gobo 1 shake slow to fast	80-89	
	Gobo 2 shake slow to fast	90-99	
	Gobo 3 shake slow to fast	100-109	
	Gobo 4 shake slow to fast	110-119	
	Gobo 5 shake slow to fast	120-129	
	Gobo 6 shake slow to fast	130-139	
	Gobo 7 shake slow to fast	140-149	
	Gobo wheel rotation forwards from fast to slow	170-179	
	No rotation	180-189	
	Gobo wheel rotation f backwards from slow to fast	190-221	
33	Rotating Gobo Wheel 2 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	
34	Rotating Gobo Wheel 2 Index, Rotation Fine	0-255	0
35	Animation Wheel 1	0	0
	Animation indexing	1-239	
	Shake slow to fast	240-255	
36	Animation Wheel 1	0-7	0
	Forwards rotation from fast to slow 	8-127	
	No rotation 	128-135	
	Backwards rotation from slow to fast	136-255	
37	Animation Wheel 2	0-7	0
	Forwards rotation from fast to slow 	8-127	
	No rotation 	128-135	
	Backwards rotation from slow to fast	136-255	
38	Iris	0-191	0
	Pulse closing fast to slow	192-223	
	Pulse opening slow to fast	224-255	
39	Iris Fine	0-255	0
40	Prism 1	0-127	0
	Prism 1: 5-facet circular 	128-255	

Mode/Channel	Function	Value	Default Value	
41	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		
42	Prism 1 Index, Rotation Fine	0-255	0	
43	Prism 2	Open	0-127	0
	Prism 2: 5-facet linear 	128-255		
44	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		
45	Prism 2 Index, Rotation Fine	0-255	0	
46	Frost 1: 0-100%	0-255	0	
47	Frost 2: 0-100%	0-255	0	
48	Blade 1A: Open to Close	0-255	0	
49	Blade 1A Fine: Open to Close Fine	0-255	0	
50	Blade 1B: Open to Close	0-255	0	
51	Blade 1B Fine: Open to Close Fine	0-255	0	
52	Blade 2A: Open to Close	0-255	0	
53	Blade 2A Fine: Open to Close Fine	0-255	0	
54	Blade 2B: Open to Close	0-255	0	
55	Blade 2B Fine: Open to Close Fine	0-255	0	
56	Blade 3A: Open to Close	0-255	0	
57	Blade 3A Fine: Open to Close Fine	0-255	0	
58	Blade 3B: Open to Close	0-255	0	
59	Blade 3B Fine: Open to Close Fine	0-255	0	
60	Blade 4A: Open to Close	0-255	0	
61	Blade 4A Fine: Open to Close Fine	0-255	0	
62	Blade 4B: Open to Close	0-255	0	
63	Blade 4B Fine: Open to Close Fine	0-255	0	
64	All Blade Rotation: +/- 90°	0-255	128	
65	All Blade Rotation Fine	0-255	0	
66	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			

DOMINO MODE

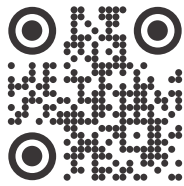
Mode/ Channel	Function	Value	Default Value
66	Constant Fans Off	33-34	0
	Constant Fans On	35-36	
	unused	37-44	
	Square Law	45-49	
	Linear	50-54	
	1.2K	55-58	
	2.4K	59-62	
	16K	63-66	
	25K	67-69	
	Gobo correction Off	70-74	
	Gobo correction On	75-79	
	All motor reset	80-84	
	Scan motor reset	85-87	
	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	
	Pan/Tilt Spd Medium	115-117	
	Pan/Tilt Spd Fast	118-120	
	Pan/Tilt Spd Slow	121-123	
	Pan/Tilt Spd FS Mode	124-126	
	Prerig INIT Off	127-129	
	Prerig INIT On	130-132	
unused	133-255		

COLOUR PRESETS

APPENDIX	
Name (=DMX value)	Colour name
EC003	Lavender Tint
EC004	Medium Bastard Amber
EC007	Pale Yellow
EC008	Dark Salmon
EC009	Pale Amber Gold
EC010	Medium Yellow
EC013	Straw Tint
EC015	Deep Straw
EC017	Surprise Peach
EC020	Medium Amber
EC021	Gold Amber
EC022	Dark Amber
EC024	Scarlet
EC025	Sunset Red
EC026	Bright Red
EC029	Palsa Red
EC035	Light Pink
EC036	Medium Pink
EC046	Dark Magenta
EC048	Dark Purple
EC052	Light Lavender
EC053	Pale Lavender
EC058	Lavender
EC063	Pale Blue
EC068	Sky Blue
EC071	Tokio Blue
EC075	Evening Blue
EC079	Just Blue
EC085	Deeper Blue
EC088	Lime Green
EC089	Moss Green
EC090	Darkyellow Green
EC100	Spring Yellow
EC101	Yellow
EC102	Light Amber
EC103	Straw
EC104	Deep Amber
EC105	Orange
EC106	Primay Red
EC107	Light Rose

APPENDIX	
Name (=DMX value)	Colour name
EC108	English Rose
EC109	Light Salmon
EC110	Middle Rose

*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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