















DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (70 DMX CHANNELS) - V213

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	
				Random strobe effect slow to fast	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		Dimmer Intensity Fine	0-255	0	
6	8	9	Zoom: From small to big	0-255	128	
	10		Zoom Fine	0-255	0	
7	9	11	Focus: From near to far	0-255	128	
	12		Focus Fine	0-255	0	
8	10	13	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	
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	28-127	
				Forwards rainbow effect from fast to slow	128-189	
				No rotation	190-193	
Backwards rainbow effect from slow to fast	194-255					
	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 Colour (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	0-255	0	
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: Infinite Stairs	 10-19	
				Rot. gobo 2: Fireworks	 20-29	
				Rot. gobo 3: Smoke Rings	 30-39	
				Rot. gobo 4: Abstract Squares	 40-49	
				Rot. gobo 5: Star Dust	 50-59	
				Rot. gobo 6: Iron Filings	 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					
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	0-255	
23	25	36	Rotating Gobo Wheel 2	Open	0-9	0
				Rot. gobo 1: Nested Rings Yellow	 10-19	








Mode/Channel	Function	Value	Default Value	
23 25 36	Rot. gobo 2: Effect Cassette N°5	20-29	0	
	Rot. gobo 3: Vortex	30-39		
	Rot. gobo 4: Nested Triangle	40-49		
	Rot. gobo 5: Black & White Target	50-59		
	Rot. gobo 6: Effect Cassette N°26	60-69		
	Rot. gobo 7: Dot Line 11	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			
24 26 37	Rotating Gobo Wheel 2 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	
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	0-255	0
		Animation B&W Center		
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	
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	

Mode/Channel	Function	Value	Default Value	
46	Prism 1 Index, Rotation Fine	0-255	0	
31 33 47	Prism 2	Open	0-127	0
		Prism 2: 4-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 Light 1°: 0-100%	0-255	0	
34 36 51	Frost 2 Heavy 5°: 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	
		Constant Fans Off	33-34	
		Constant Fans On	35-36	
		unused	37-44	
Square Law	45-49			
Linear	50-54			

Mode/Channel	Function	Value	Default Value
44 46 70	Control, Reset, Internal Programs	1.2K	55-57
		2.4 K	58-60
		16 K	61-63
		25 K	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 Fast	106-108
		CMY speed Slow	109-111
		Pan/Tilt Spd Fast	112-114
		Pan/Tilt Spd Medium	115-117
		Pan/Tilt Spd Slow	118-120
		Pan/Tilt Spd Follow Spot Mode	121-123
		unused	106-255

DOMINO MODE

Mode/Channel	Function	Value	Default Value
Domino Mode			
1	PAN Movement 8bit	0-255	128
2	Pan Fine 16bit: Fine control of Pan movement	0-255	0
3	TILT Movement 8bit	0-255	128
4	Tilt Fine 16bit: Fine control of Tilt movement	0-255	0
5	Speed Fan/Tilt movement	Max to min speed	0-225
		Blackout by movement	226-235
		Blackout by all wheel changing	236-245
		No function	246-255
6	Shutter, strobe	Shutter closed	0-10
		No function (shutter open)	11-20
		Strobe effect slow to fast	21-117
		No function (shutter open)	118-126
		Random strobe effect slow to fast	127-180
		No function (shutter open)	181-191

Mode/Channel	Function	Value	Default Value
6	Shutter, strobe	Random strobe effect slow to fast	192-245
		No function (shutter open)	246-255
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
		5 m	51-100
		7.5 m	101-150
		10 m	151-200
17	Auto Focus Fine	15 m	201-255
		0-255	0
18	Colour Wheel	Open / white	0-3
		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	28-127
		Forwards rainbow effect from fast to slow	128-189
		No rotation	190-193
19	Colour Wheel Fine	Backwards rainbow effect from slow to fast	194-255
		0-255	0
20	CTB/CRI	Open	0-63
		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
		Rot. gobo 1: Infinite Stairs	10-19

DOMINO MODE

Mode/Channel	Function	Value	Default Value
29	Rot. gobo 2: Fireworks	20-29	0
	Rot. gobo 3: Smoke Rings	30-39	
	Rot. gobo 4: Abstrac Squares	40-49	
	Rot. gobo 5: Starfield	50-59	
	Rot. gobo 6: Iron Filings	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 f backwards from slow to fast	224-255	
30	Rotating Gobo Wheel 1 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 1 Index, Rotation Fine	0-255	0
32	Open	0-9	0
	Rot. gobo 1: Nested Rings Yellow	10-19	
	Rot. gobo 2: Effect Cassette N°5	20-29	
	Rot. gobo 3: Vortex	30-39	
	Rot. gobo 4: Nested Triangle	40-49	
	Rot. gobo 5: Black & White Target	50-59	
	Rot. gobo 6: Effect Cassette N°26	60-69	
	Rot. gobo 7: Dot Line 11	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		

Mode/Channel	Function	Value	Default Value	
32	Rotating Gobo Wheel 2	Gobo indexing	0-127	0
		Forwards gobo rotation from fast to slow	128-189	
33	Rotating Gobo Wheel 2 Index, Rotation	No rotation	190-193	0
		Backwards gobo rotation from slow to fast	194-255	
34	Rotating Gobo Wheel 2 Index, Rotation Fine	0-255	0	
35	Animation Wheel 1	Open	0	0
		Animation indexing	1-239	
		Shake slow to fast	240-255	
36	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	
37	Animation Wheel 2	Open	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	Max. diameter to Min.diameter	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	Open	0-127	0
		Prism 1: 5-facet circular	128-255	
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: 4-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 Light 1': 0-100%	0-255	0	
47	Frost 2 Heavy 5': 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	

Mode/Channel	Function	Value	Default Value	
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	
		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	
		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			

Mode/Channel	Function	Value	Default Value	
66	Control, Reset, Internal Programs	Frost Progressive On	103-105	0
		CMY speed Fast	106-108	
		CMY speed Slow	109-111	
		Pan/Tilt Spd Fast	112-114	
		Pan/Tilt Spd Medium	115-117	
		Pan/Tilt Spd Slow	118-120	
		Pan/Tilt Spd FS Mode	121-123	
unused	133-255			

COLOUR PRESETS

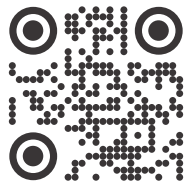
APPENDIX	
Name (=DMX value)	Colour name
EC003	Lavender Tint
EC004	Medium Bastard Amber
EC007	Pale Yellow
EC008	Dark Salmon
EC009	Pale Amber Gold
EC010	Medium Yellow
EC013	Straw Tint
EC015	Deep Straw
EC017	Surprise Peach
EC020	Medium Amber
EC021	Gold Amber
EC022	Dark Amber
EC024	Scarlet
EC025	Sunset Red
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

COLOUR PRESETS

Name (=DMX value)	Colour name
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
EC108	English Rose
EC109	Light Salmon
EC110	Middle Rose
EC111	Dark Pink
EC113	Magenta
EC111	Medium Blue Green
EC118	Light Blue
EC119	Dark Blue
EC120	Deep Blue
EC124	Dark Green
EC126	Mauve
EC127	Smokey Pink
EC128	Bright Pink
EC132	Medium Blue
EC134	Golden Amber
EC136	Pale Lavender
EC137	Special Lavender
EC138	Pale Green
EC139	Primary Green
EC140	Summer Blue
EC141	Bright Blue
EC142	Pale Violet
EC143	Pale Navy Blue
EC147	Apricot
EC148	Bright Rose
EC151	Gold Tint
EC152	Pale Gold
EC153	Pale Salmon
EC154	Pale Rose
EC156	Chocolate
EC158	Deep Orange

Name (=DMX value)	Colour name
EC159	No Colour Straw
EC161	Slate Blue
EC162	Bastard Amber
EC164	Flame Red
EC165	Daylight Blue
EC169	Lilac Tint
EC170	Deep Lavender
EC172	Lagoon Blue
EC174	Dark Steel Blue
EC176	Loving Amber
EC179	Chrome Orange
EC180	Dark Lavender
EC181	Congo Blue
EC182	Light Red
EC183	Moonlight Blue
EC192	Flesh Pink
EC193	Rosy Amber
EC194	Surprise Pink
EC195	Zenith Blue
EC196	True Blue
EC197	Alice Blue
EC198	Palace Blue

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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