

## DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (79DMX CHANNELS) - V122

Mode/ Channels				Function	Value	Default Value
Ba	Std	Ring	Ext			
1	1	1	1	PAN Movement 8bit	0-255	128
2	2	2	2	Pan Fine 16bit: Fine control of Pan movement	0-255	0
3	3	3	3	TILT Movement 8bit	0-255	128
4	4	4	4	Tilt Fine 16bit: Fine control of Tilt movement	0-255	0
5	5	5	5	Speed Fan/Tilt Movement	Max to min speed	0-225
					Blackout by movement	226-235
					Store dimmer enabled	236-245
6	6	6	6	Pan Motor continuous rotation	Stop rotation by spinout	0-63
					Stop rotation by shortcut	64-127
					Forwards Pan rotation from fast to slow	128-189
					No rotation	190-193
7	7	7	7	Tilt Motor continuous rotation	Backwards Pan rotation from slow to fas	194-255
					Stop rotation by spinout	0-63
					Stop rotation by shortcut	64-127
					Forwards Tilt rotation from fast to slow	128-189
8	8	8	8	Red LED-All Arrays / Background Colour When Chase ON: Red (0-Black, 255-100% Red)	No rotation	190-193
					Backwards Tilt rotation from slow to fast	194-255
					No rotation	190-193
					Backwards Tilt rotation from slow to fast	194-255
9	9	9	9	Red Fine LED-All Arrays / Background Colour When Chase ON: Red fine (0-Black, 255-100% Red)	0-255	255
10	10	10	10	Green LED-All Arrays / Background Colour When Chase ON: Green (0-Black, 255-100% Green)	0-255	255
11	11	11	11	Green Fine LED-All Arrays / Background Colour When Chase ON: Green fine (0-Black, 255-100% Green)	0-255	255
12	12	12	12	Blue LED-All Arrays / Background Colour When Chase ON: Blue (0-Black, 255-100% Blue)	0-255	255
13	13	13	13	Blue Fine LED-All Arrays / Background Colour When Chase ON: Blue fine (0-Black, 255-100% Blue)	0-255	255
14	14	14	14	White LED-All Arrays / Background Colour When Chase ON: White (0-Black, 255-100% White)	0-255	255
15	15	15	15	White Fine LED-All Arrays / Background Colour When Chase ON: White fine (0-Black, 255-100% White)	0-255	255
16	16	16	16	Shutter, Strobe	LED turn off	0-31
					LED turn on	32-63
					Strobe effect slow to fast	64-95
					LED turn on	96-127
					Pulse-effect in sequences	128-159
					Led turn on	160-191
					Random strobe effect slow to fast	192-223
					Led turn on	224-255
17	17	17	17	Dimmer Intensity: Intensity 0 to 100%	0-255	0
18	18	18	18	Dimmer Intensity Fine	0-255	0
19	19	19	19	Linear CTO From 8000 To 2700 K	No function	0-21
					8000 K	22-42
					7500 K	43-63

Mode/ Channels				Function	Value	Default Value
Ba	Std	Ring	Ext			
19	19	19	19	Linear CTO From 8000 To 2700 K	7000 K	64-84
					6500 K	85-105
					6000 K	106-126
					5500 K	127-147
					5000 K	148-168
					4500 K	169-189
					4000 K	190-210
20	20	20	20	Colour Preset: See Appendix	3500 K	211-231
					2500 K	232-255
					0-255	0
21	21	21	21	Colour Preset / RGBW Cross Fade	Output controlled by RGBL values	0
					Cross fade between RGBL settings and Colours preset channel	1-254
					Output controlled by colour preset values	255
22	22	22	22	Between Colour Preset Cross Fade	No fade	0-4
					Cross fade between 2 colour presets from 100ms to 5 sec	4-255
23	23	23	23	Zoom: From small to big	0-255	128
24	24	24	24	Zoom Fine	0-255	0
25	25	25	25	Reserved	0-255	0
26	26	26	26	Reset, Internal Programs	unused	0-4
					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
					1.2K	55-57
					2.4K	58-60
16K	61-63					
25K	64-69					
Tungsten lamp simulation 500 W	70-71					
Tungsten lamp simulation 1000 W	72-73					
Tungsten lamp simulation 2500 W	74-75					
Tungsten lamp simulation 5000 W	76-77					
Tungsten lamp simulation off	78-79					

Mode/Channels				Function	Value	Default Value	
26	26	26	26	Reset, Internal Programs	All motor reset	80-84	0
					P/T motor reset	85-87	
					Zoom motor reset	88-90	
					Edit a new dimmer	91-93	
					Store a new dimmer	94-96	
					Recover dimmer	97-99	
					Reserved	100-255	
27	27	27	Main LED Chase Patterns	Chase OFF	0-9	0	
				Chase 1	10-14		
				Chase 2	15-19		
				Chase 3	20-24		
				Chase 4	25-29		
				Chase 5	30-34		
				Chase 6	35-39		
				Fix Chase	40-44		
				Reserved	45-255		
28	28	28	Main LED Chase Speed	Fast to Slow Backward	0-125	0	
				Stop (Speed=0)	126-130		
				Slow to Fast Forward	131-255		
29	29	29	Main LED Chase Fade	0-255	0		
30	30	30	Main LED Chase Size: Chase Category	0-255	0		
31	31	31	Red Chase Colour: Red (0-Black , 255-100% Red)	0-255	255		
32	32	32	Green Chase Colour: Green (0-Black , 255-100% Green)	0-255	255		
33	33	33	Blue Chase Colour: Blue (0-Black , 255-100% Blue)	0-255	255		
34	34	34	White Chase Colour: White (0-Black , 255-100% White)	0-255	255		
35	35	35	Dimmer Chase: Intensity (0-Black , 255-100%)	0-255	0		
36	36	36	Dimmer Background Chase: Inverted disabled when chase OFF / Intensity (0-100%, 255-0%)	0-255	0		
37	37	37	Chase, Strobe	Led turn off	0-31	32	
				Led turn on	32-63		
				Strobe effect slow to fast	64-95		
				Led turn on	96-127		
				Pulse-effect in sequences	128-159		
				Led turn on	160-191		
				Random strobe effect slow to fast	192-223		
				Led turn on	224-255		
38	38	38	Zonda Effect Control	React to Zonda effect Chase (turn on liquid effects)	0-9	0	
				React to MAIN LED (take the colour of the closest main LED, include CTO&CP&lamp)	10-19		
				React to ARTNET OR SACN	20-29		
				Reserved	30-255		
39	39	39	Zonda Effect Dimmer Intensity: Intensity 0 to 100%	0-255	0		
40	40	40	Zonda Effect Dimmer Intensity Fine	0-255	0		

Mode/Channels				Function	Value	Default Value
41	41	41	Zonda Effect Red Colour: Red (0-Black , 255-100% Red)	0-255	0	
42	42	42	Zonda Effect Green Colour: Green (0-Black , 255-100% Green)	0-255	0	
43	43	43	Zonda Effect Blue Colour: Blue (0-Black , 255-100% Blue)	0-255	0	
44	44	44	Zonda Effect Chase Patterns	Off	0-9	0
				Effect 1	10	
				...	...	
				Effect 245	255	
45	45	45	Reserved		0	
46	46	46	Zonda Effect Chase Speed	Fast to Slow Backward	0-125	0
				Stop (Speed=0)	126-130	
				Slow to Fast Forward	131-255	
47	47	47	Zonda background effect Dimmer intensity: Intensity 0 to 100%	0-255	0	
48	48	48	Zonda background effect Red Colour: Red (0-Black , 255-100% Red )	0-255	0	
49	49	49	Zonda background Effect Green Colour: Green (0-Black , 255-100% Green)	0-255	0	
50	50	50	Zonda background Effect Blue Colour: Blue (0-Black , 255-100% Blue )	0-255	0	
	38	51	Cross fade to PIXEL mode: from RGBW control to PIXEL control	0-255	0	
	39		Red LED-Ring 1: Red (0-Black , 255-100% Red)	0-255	0	
	40		Green LED-Ring 1: Green (0-Black , 255-100% Green)	0-255	0	
	41		Blue LED-Ring 1: Blue (0-Black , 255-100% Blue)	0-255	0	
	42		White LED-Ring 1: White (0-Black , 255-100% White)	0-255	0	
	43		Red LED-Ring 2: Red (0-Black , 255-100% Red)	0-255	0	
	44		Green LED-Ring 2: Green (0-Black , 255-100% Green)	0-255	0	
	45		Blue LED-Ring 2: Blue (0-Black , 255-100% Blue)	0-255	0	
	46		White LED-Ring 2 : White (0-Black , 255-100% White )	0-255	0	
	52		Red LED-Array 1: Red (0-Black , 255-100% Red)		0	
	53		Green LED-Array 1: Green (0-Black , 255-100% Green)	0-255	0	
	54		Blue LED-Array 1: Blue (0-Black , 255-100% Blue)	0-255	0	
	55		White LED-Array 1: White (0-Black , 255-100% White)	0-255	0	
	56		Red LED-Array 2: Red (0-Black , 255-100% Red)	0-255	0	
	57		Green LED-Array 2: Green (0-Black , 255-100% Green)	0-255	0	
	58		Blue LED -Array 2: Blue (0-Black , 255-100% Blue)	0-255	0	
	59		White LED -Array 2 : White (0-Black , 255-100% White )	0-255	0	
			...			
			76 Red LED-Array 7: Red (0-Black , 255-100% Red)	0-255	0	
			77 Green LED-Array 7: Green (0-Black , 255-100% Green)	0-255	0	
			78 Blue LED-Array 7: Blue (0-Black , 255-100% Blue)	0-255	0	
			79 White LED-Array 7: White (0-Black , 255-100% White)	0-255	0	

## COLOUR PRESETS

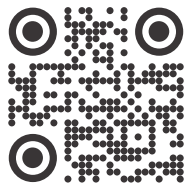
APPENDIX	
Name (=DMX value)	Colour name
EC003	Lavender Tint
EC004	Medium Bastard Amber
EC007	Pale Yellow
EC008	Dark Salmon
EC009	Pale Amber Gold
EC010	Medium Yellow
EC013	Straw Tint
EC015	Deep Straw
EC017	Surprise Peach
EC020	Medium Amber
EC021	Gold Amber
EC022	Dark Amber
EC024	Scarlet
EC025	Sunset Red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

Name (=DMX value)	Colour name
EC108	English Rose
EC109	Light Salmon
EC110	Middle Rose
EC111	Dark Pink
EC113	Magenta
EC116	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
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
EC159	No Color 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

## COLOUR PRESETS

Name (=DMX value)	Colour name
EC181	Congo Blue
EC183	Light Red
EC192	Moonlight Blue
EC193	Flesh Pink
EC194	Rosy Amber
EC195	Surprise Pink
EC196	Zenith Blue
EC197	True Blue
EC198	Alice Blue
EC201	Full Ct Blue
EC202	1/2 Ct Blue
EC203	1/4 Ct Blue
EC204	Full Ct Orange
EC205	1/2 Ct Orange
EC206	1/4 Ct Orange

*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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