DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (26 TO 127 DMX CHANNELS) - V130

Mode/ Channels				Function		Value	Default Value
Ba	Std	Ext Ring	Ext Pixel				
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	0
					Blackout by movement	226-235	
					Reserve	236-255	
6	6	6	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 fas	194-255	
7	7	7	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	
8	8	8	8	**Red LED-All Arrays / Background Colour When Chase ON**: Red (0-Black, 255-100% Red)		0-255	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	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	
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	0
					8000 K - 7500 K	22-42	
					7500 K - 7000 K	43-63	

Mode/ Channels				Function		Value	Default Value
19	19	19	19	**Linear CTO From 8000 To 2500 K**	7000 K - 6500 K	64-84	0
					6500 K - 6000 K	85-105	
					6000 K - 5500 K	106-126	
					5500 K - 5000 K	127-147	
					5000 K - 4500 K	148-168	
					4500 K - 4000 K	169-189	
					4000 K - 3500 K	190-210	
					3500 K - 3000 K	211-231	
					3000 K - 2500 K	232-255	
20	20	20	20	**Colour Preset:** See Appendix		0-205	0
21	21	21	21	**Colour Preset / RGBW Cross Fade**	Output controlled by RGBW values	0	0
					Cross fade between RGBW 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	0
					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	**Effect/Background Prorate**: Prorate between effect from channel 44 and background		0-255	0
26	26	26	26	**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	
					1.2K	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	
					Pan/Tilt Spd Fast	91-93	
					Pan/Tilt Spd Medium	94-96	
					Pan/Tilt Spd Slow	97-99	
					Pan/Tilt Spd Tracking 360	100-102	
					Reserve	103-105	
					Fog fan off	106-108	
					Fog fan auto	109-111	
					Fog fan on	112-114	
					Pan Degree 540°	115-117	
					Pan Degree 630°	118-120	
					Pan Degree 360SC	121-123	
					Tilt Degree 540°	124-126	
					Tilt Degree 270°	127-129	
					Tilt Degree 360SC	130-132	
					Reserved	133-255	
	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**: Fade Chase		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	

Mode/ Channels				Function		Value	Default Value
37	37	37	37	**Chase, Strobe**	Led turn on	96-127	0
					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	**Liquid Effect Control**	React to Liquid 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	**Liquid Effect Dimmer Intensity**: Intensity 0 to 100%		0-255	0
	40		40	**Liquid Effect Dimmer Intensity Fine**			0
	41		41	**Liquid Effect Red Colour**: Red **(0-Black , 255-100% Red)**		0-255	255
	42		42	**Liquid Effect Green Colour**: Green **(0-Black , 255-100% Green)**		0-255	255
	43		43	**Liquid Effect Blue Colour**: Blue **(0-Black , 255-100% Blue)**		0-255	255
	44		44	**Liquid Effect Chase Patterns**	Off	0-9	0
					Effect 1	10	
					...	...	
					Effect 245	255	
	45		45	**Liquid Folder Channel**	IMAGES (default)	0-9	0
					FOLDER1	10-19	
					FOLDER2	20-29	
					FOLDER3	30-39	
					FOLDER4	40-49	
					FOLDER5	50-59	
					FOLDER6	60-69	
					FOLDER7	70-79	
					FOLDER8	80-89	
					FOLDER9	90-99	
					FOLDER10	100-109	
					FOLDER11	110-119	
					FOLDER12	120-129	
					FOLDER13	130-139	
					FOLDER14	140-149	
					FOLDER15	150-159	
					FOLDER16	160-169	
					FOLDER17	170-179	
					FOLDER18	180-189	
					FOLDER19	190-199	
					FOLDER20	200-209	
					Reserved	210-255	

Mode/ Channels				Function		Value	Default Value
	46		46	Liquid Effect Chase Speed	Fast to Slow Backward	0-125	0
					Stop(Speed=0)	126-130	
					Slow to Fast Forward	131-255	
	47		47	**Liquid background effect Dimmer intensity:** Intensity 0 to 100%		0-255	0
	48		48	**Liquid background effect Red Colour:** Red (0-Black , 255-100% Red)		0-255	0
	49		49	**Liquid background Effect Green Colour:** Green (0-Black , 255-100% Green)		0-255	0
	50		50	**Liquid 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	128
		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
		47		**Red LED-Ring 3**: Red (0-Black , 255-100% Red)		0-255	0
		48		**Green LED-Ring 3:** Green (0-Black , 255-100% Green)		0-255	0
		49		**Blue LED-Ring 3:** Blue (0-Black , 255-100% Blue)		0-255	0
		50		**White LED-Ring 3:** White (0-Black , 255-100% White)		0-255	0
			52	**Red LED-Array 1**: Red (0-Black , 255-100% Red)		0-255	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
...							
			124	**Red LED-Array 19**: Red (0-Black , 255-100% Red)		0-255	0
			125	**Green LED-Array 19**: Green (0-Black , 255-100% Green)		0-255	0
			126	**Blue LED-Array 19**: Blue (0-Black , 255-100% Blue)		0-255	0
			127	**White LED-Array 19**: 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

Name (=DMX value)	Colour name
EC107	Light Rose
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

Name (=DMX value)	Colour name
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
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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