

RELATION KL PAR FC - DMX TRAITS

RGB & RGBMA

RGB 6Ch	RGBMA 10Ch	DMX Values	Function	Snap	Def Value
1	1	0-255	Red 0 → 100%		0
2	2	0-255	Red Fine Fine Adjustment		0
3	3	0-255	Green 0 → 100%		0
4	4	0-255	Green Fine Fine Adjustment		0
5	5	0-255	Blue 0 → 100%		0
6	6	0-255	Blue Fine Fine Adjustment		0
	7	0-255	Mint 0 → 100%		0
	8	0-255	Mint Fine Fine Adjustment		0
	9	0-255	Amber 0 → 100%		0
	10	0-255	Amber Fine Fine Adjustment		0

DMX TRAITS

Dim 1Ch	Dim Color 6Ch	Std 11Ch	Leg Ext 18Ch	Ext 19Ch	CMY 9Ch	Leg CMY Ext 14Ch	CMY Ext 15Ch	DMX Values	Function	Snap	Def Value
1	1	1	1	1	1	1	1	0-255	Dimmer Intensity 0 → 100%		0
	2	2	2	2	2	2	2	0-255	Dimmer Fine Fine Intensity Control		0
	3	3	3	3	3	3	3		Shutter/Strobe		50
								0-31	Shutter closed		
								32-63	No function (shutter open)		
								64-95	Strobe effect slow to fast		
								96-127	No function (shutter open)		
								128-159	Pulse-effect in sequences		
								160-191	No function (shutter open)		
								192-223	Random strobe effect slow to fast		
								224-255	No function (shutter open)		
		4	4	4				0-255	Red 0 → 100%		0
			5	5				0-255	Red Fine Fine Adjustment		0
		5	6	6				0-255	Green 0 → 100%		0
			7	7				0-255	Green Fine Fine Adjustment		0
		6	8	8				0-255	Blue 0 → 100%		0
			9	9				0-255	Blue Fine Fine Adjustment		0
		7	10	10				0-255	Mint 0 → 100%		0
			11	11				0-255	Mint Fine Fine Adjustment		0
		8	12	12				0-255	Amber 0 → 100%		0
			13	13				0-255	Amber Fine Fine Adjustment		0
					4	4	4	0-255	Cyan 0 → 100%		0
						5	5	0-255	Cyan Fine Fine Adjustment		0
						5	6	0-255	Magenta 0 → 100%		0
							7	0-255	Magenta Fine Fine Adjustment		0
					6	8	8	0-255	Yellow 0 → 100%		0
						9	9	0-255	Yellow Fine Fine Adjustment		0
	4	9	14		7	10			CCT Presets	X	0
								0-23	Open		
								24-85	2400K → 8500K (See Sheet)		
									86-255	8500K	
				14			10		Variable CCT		0
								0-23	Open		
								24-255	2400K → 8500K		
				15			11	0-255	Variable CCT Fine Fine Adjustment		0

DMX TRAITS

Dim 1Ch	Dim Color 6Ch	Std 11Ch	Leg Ext 18Ch	Ext 19Ch	CMY 9Ch	Leg CMY Ext 14Ch	CMY Ext 15Ch	DMX Values	Function	Snap	Def Value
			16	16		12	12		Green Shift		
								0	Idle		
								1-127	Full Minus Green to Neutral		
								128	Neutral White		0
								129-255	Neutral to Full Plus Green		
									Color		
								0	Open		
								1-179	Virtual Swatch Book (See Table)		
									Color Scroll		
								180-201	Clockwise Fast → Slow		
								202-207	Stop		
								208-229	Counter-clockwise Slow → Fast		0
								230-234	Open		
									Random Slots		
								235-239	Fast		
								240-244	Medium		
								245-249	Slow		
								250-255	Open		
									Dim Modes		
								0-20	Standard		
								21-40	Stage		
								41-60	TV		
								61-80	Architectural		
								81-100	Theatre		
								101-120	Stage 2		
									Dimmer Delay Time		
								121	0s		
								122	0.1s		
								123	0.2s		
								124	0.3s		
								125	0.4s		
								126	0.5s		
								127	0.6s		
								128	0.7s		
								129	0.8s		
			17	18		13	14	130	0.9s	X	0
								131	1.0s		
								132	1.5s		
								133	2.0s		
								134	3.0s		
								135	4.0s		
								136	5.0s		
								137	6.0s		
								138	7.0s		
								139	8.0s		
								140	9.0s		
								141	10s		
								142-149	Idle		
									Dim to Warm		
								150-154	DTW On		
								155-159	DTW Off		
								160-255	Idle		

DMX TRAITS

Dim 1Ch	Dim Color 6Ch	Std 11Ch	Leg Ext 18Ch	Ext 19Ch	CMY 9Ch	Leg CMY Ext 14Ch	CMY Ext 15Ch	DMX Values	Function	Snap	Def Value
									Control		
								0-29	Idle		
								30-39	Fan Mode Auto		
								40-49	Fan Mode Silent		
								50-59	Fan Mode High		
								60-99	Idle		
									Refresh Rate (Hz)		
								100	900		
								101	910		
								102	920		
								103	930		
								104	940		
								105	950		
								106	960		
								107	970		
								108	980		
								109	990		
								110	1000		
								111	1010		
								112	1020		
								113	1030		
								114	1040		
	6	11	18	19	9	14	15	115	1050	X	0
								116	1060		
								117	1070		
								118	1080		
								119	1090		
								120	1100		
								121	1110		
								122	1120		
								123	1130		
								124	1140		
								125	1150		
								126	1160		
								127	1170		
								128	1180		
								129	1190		
								130	1200		
								131	1210		
								132	1220		
								133	1230		
								134	1240		
								135	1250		
								136	1260		
								137	1270		
								138	1280		

DMX TRAITS

Dim 1Ch	Dim Color 6Ch	Std 11Ch	Leg Ext 18Ch	Ext 19Ch	CMY 9Ch	Leg CMY Ext 14Ch	CMY Ext 15Ch	DMX Values	Function	Snap	Def Value
								138	1280		
								139	1290		
								140	1300		
								141	1310		
								142	1320		
								143	1330		
								144	1340		
								145	1350		
								146	1360		
								147	1370		
								148	1380		
								149	1390		
								150	1400		
								151	1410		
								152	1420		
								153	1430		
								154	1440		
								155	1450		
								156	1460		
								157	1470		
								158	1480		
								159	1490		
	6	11	18	19	9	14	15	160	1500	X	0
								161	2500		
								162	4000		
								163	5000		
								164	6000		
								165	10000		
								166	15000		
								167	20000		
								168	25000		
								169-174	Idle		
									Color Tuning		
								175-176	Highest Fidelity		
								177-178	Balanced Output and Fidelity		
								179-180	Highest Output (Default)		
									Output Balance		
								181-182	Bright (Highest Output)		
								183-184	Uniform (Elation Full Spectrum Match)		
								185-200	Idle		
									Dimmer Curves		
								201-210	Dimmer Curve: Linear (Default)		
								211-220	Dimmer Curve: Square		
								221-230	Dimmer Curve: Inverse Square		
								231-240	Dimmer Curve: S-Curve		
								241-255	Idle		

COLOR TEMPERATURE CHART

DMX VALUE	COLOR TEMPERATURE (K)	DMX VALUE	COLOR TEMPERATURE (K)
24	2400	55	5500
25	2500	56	5600
26	2600	57	5700
27	2700	58	5800
28	2800	59	5900
29	2900	60	6000
30	3000	61	6100
31	3100	62	6200
32	3200	63	6300
33	3300	64	6400
34	3400	65	6500
35	3500	66	6600
36	3600	67	6700
37	3700	68	6800
38	3800	69	6900
39	3900	70	7000
40	4000	71	7100
41	4100	72	7200
42	4200	73	7300
43	4300	74	7400
44	4400	75	7500
45	4500	76	7600
46	4600	77	7700
47	4700	78	7800
48	4800	79	7900
49	4900	80	8000
50	5000	81	8100
51	5100	82	8200
52	5200	83	8300
53	5300	84	8400
54	5400	85	8500

To calculate the CCT value in 16-bit mode, use the following formula:

$$\mathbf{16Bit\ Value = 59391 \times (Desired\ CCT - 2400) / 6100 + 6144}$$

COLOR MACROS CHART

VALUE	FILTER #	COLOR	VALUE	FILTER #	COLOR
1	7	Pale Yellow	31	126	Mauve
2	103	Straw	32	49	Medium Purple
3	151	Gold Tint	33	58	Lavender
4	100	Spring Yellow	34	199	Palace Blue
5	10	Medium Yellow	35	119	Dark Blue
6	101	Yellow	36	132	Medium Blue
7	104	Deep Amber	37	120	Deep Blue
8	15	Deep Straw	38	165	Daylight Blue
9	179	Loving Amber	39	161	Slate Blue
10	21	Gold Amber	40	118	Light Blue
11	105	Orange	41	68	Sky Blue
12	158	Deep Orange	42	143	Pale Navy Blue
13	22	Dark Amber	43	131	Marine Blue
14	778	Millennium Gold	44	115	Peacock Blue
15	135	Deep Golden Amber	45	172	Lagoon Blue
16	24	Scarlet	46	116	Medium Blue Green
17	106	Primary Red	47	90	Dark Yellow Green
18	26	Bright Red	48	139	Primary Green
19	27	Medium Red	49	122	Fern Green
20	19	Fire	50	89	Moss Green
21	157	Pink	51	124	Dark Green
22	36	Medium Pink	52	88	Lime Green
23	111	Dark Pink	53	138	Pale Green
24	128	Bright Pink	54	203	Quarter CT Blue
25	148	Bright Rose	55	202	Half CT Blue
26	332	Special Rose Pink	56	201	FULL CT Blue
27	793	Vanity Fair	57	200	Double CT Blue
28	113	Magenta	58	206	Quarter CT Orange
29	46	Dark Magenta	59	205	Half CT Orange
30	48	Rose Purple	60	204	FULL CT Orange