

ELATION 6+ PAR S - DMX TRAITS

DIMMER 1CH, RGB 3CH, RGB EXTENDED 9CH, COLOR 6CH, & COLOR & DIMMER 9CH

Dim. 1CH	RGB 3CH	RGB Ext. 9CH	Color 6CH	Color & Dim. 9CH	DMX Values	Function	Snap	Default Value
1		1		1	0-255	Dimmer Intensity 0 → 100%		0
		2		2	0-255	Dimmer Fine Fine Intensity Control		0
		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)		
	1	4	1	4	0-255	Red 0 → 100%		0
		5			0-255	Red Fine Fine Adjustment		0
	2	6	2	5	0-255	Green 0 → 100%		0
		7			0-255	Green Fine Fine Adjustment		0
	3	8	3	6	0-255	Blue 0 → 100%		0
		9			0-255	Blue Fine Fine Adjustment		0
			4	7	0-255	Lime 0 → 100%		0
					0-255	Lime Fine Fine Adjustment		0
			5	8	0-255	Amber 0 → 100%		0
					0-255	Amber Fine Fine Adjustment		0
			6	9	0-255	UV 0 → 100%		0

DMX TRAITS

CMY 11CH	CMY Ext. 14CH	Std. 14CH	Ext. 20CH	DMX Values	Function	Snap	Default Value
1	1	1	1	0-255	Dimmer Intensity 0 → 100%		0
2	2	2	2	0-255	Dimmer Fine Fine Intensity Control		0
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	0-255	Red 0 → 100%		0
			5	0-255	Red Fine Fine Adjustment		0
		5	6	0-255	Green 0 → 100%		0
			7	0-255	Green Fine Fine Adjustment		0
		6	8	0-255	Blue 0 → 100%		0
			9	0-255	Blue Fine Fine Adjustment		0
		7	10	0-255	Lime 0 → 100%		0
			11	0-255	Lime Fine Fine Adjustment		0
		8	12	0-255	Amber 0 → 100%		0
			13	0-255	Amber Fine Fine Adjustment		0
		9	14	0-255	UV 0 → 100%		0
			15	0-255	UV Fine Fine Adjustment		0
4	4			0-255	Cyan 0 → 100%		0
	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			0-255	Yellow 0 → 100%		0
	9			0-255	Yellow Fine Fine Adjustment		0

DMX TRAITS

CMY 11CH	CMY Ext. 14CH	Std. 14CH	Ext. 20CH	DMX Values	Function	Snap	Default Value
7	10	10	16		Variable CCT		0
				0-23	Open		
				24-85	2400K → 8500K (See Sheet)		
				86-255	8500K		
8	11	11	17		CCT Cross Fade	X	0
				0	CCT		
				255	Color Mix		
9	12	12	18		Color		0
				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		
				230-234	Open		
					Random Slots		
				235-239	Fast		
				240-244	Medium		
				245-249	Slow		
				250-255	Open		
10	13	13	19		Dim Modes	X	0
				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		
				130	0.9s		
				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		
				141-255	Idle		

DMX TRAITS

CMY 11CH	CMY Ext. 14CH	Std. 14CH	Ext. 20CH	DMX Values	Function	Snap	Default Value
11	14	14	20		Control	X	0
				0-99	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		
				115	1050		
				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		

DMX TRAITS

CMY 11CH	CMY Ext. 14CH	Std. 14CH	Ext. 20CH	DMX Values	Function	Snap	Default Value
11	14	14	20	137	1270	X	0
				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		
				160	1500		
				161	2500		
				162	4000		
				163	5000		
				164	6000		
				165	10000		
				166	15000		
				167	20000		
				168	25000		
				169-200	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		

EMULATION DMX TRAITS

6 ch	7 CH	8 CH	12 CH	Value	Function	Snap	Default Value
1	1	1	1	0-255	Red 0 → 100%		0
2	2	2	2	0-255	Green 0 → 100%		0
3	3	3	3	0-255	Blue 0 → 100%		0
4	4	4	4	0-255	White 0 → 100%		0
5	5	5	5	0-255	Amber 0 → 100%		0
6	6	6	6	0-255	UV 0 → 100%		0
	7	7	7	0-255	Master Dimmer Intensity 0 → 100%		0
		8	8		Shutter/Strobe		0
				0-31	Shutter Open		
				32-95	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)		
			9		Color Macros		0
				0-3	OFF		
				4-7	RED		
				8-11	GREEN		
				12-15	BLUE		
				16-19	WHITE		
				20-23	AMBER		
				24-27	UV		
				28-31	RED + GREEN		
				32-35	RED + BLUE		
				36-39	RED + WHITE		
				40-43	RED + AMBER		
				44-47	RED + UV		
				48-51	GREEN + BLUE		
				52-55	GREEN + WHITE		
				56-59	GREEN + AMBER		
				60-63	GREEN + UV		
				64-67	BLUE + WHITE		
				68-71	BLUE + AMBER		
				72-75	BLUE + UV		
				76-79	WHITE + AMBER		
				80-83	WHITE + UV		
				84-87	AMBER + UV		
				88-91	RED + GREEN + BLUE		
				92-95	RED + GREEN + WHITE		
				96-99	RED + GREEN + AMBER		
				100-103	RED + GREEN + UV		
				104-107	RED + BLUE + WHITE		
				108-111	RED + BLUE + AMBER		
				112-115	RED + BLUE + UV		
				116-119	RED + WHITE + AMBER		
				120-123	RED + WHITE + UV		

EMULATION DMX TRAITS

6 ch	7 CH	8 CH	12 CH	Value	Function	Snap	Default Value
			9	124-127	RED + AMBER + UV	X	0
				128-131	GREEN + BLUE + WHITE		
				132-135	GREEN + BLUE + AMBER		
				136-139	GREEN + BLUE + UV		
				140-143	GREEN + WHITE + AMBER		
				144-147	GREEN + WHITE + UV		
				148-151	GREEN + AMBER + UV		
				152-155	BLUE + WHITE + AMBER		
				156-159	BLUE + WHITE + UV		
				160-163	BLUE + AMBER + UV		
				164-167	WHITE + AMBER + UV		
				168-171	RED + GREEN + BLUE + WHITE		
				172-175	RED + GREEN + BLUE + AMBER		
				176-179	RED + GREEN + BLUE + UV		
				180-183	RED + GREEN + WHITE + AMBER		
				184-187	RED + GREEN + WHITE + UV		
				188-191	RED + GREEN + AMBER + UV		
				192-195	RED + BLUE + WHITE + AMBER		
				196-199	RED + BLUE + WHITE + UV		
				200-203	RED + BLUE + AMBER + UV		
				204-207	RED + WHITE + AMBER + UV		
				208-211	GREEN + BLUE + WHITE + AMBER		
				212-215	GREEN + BLUE + WHITE + UV		
				216-219	GREEN + BLUE + AMBER + UV		
				220-223	GREEN + WHITE + AMBER + UV		
				224-227	BLUE + WHITE + AMBER + UV		
				228-231	RED + GREEN + BLUE + WHITE + AMBER		
				232-235	RED + GREEN + BLUE + WHITE + UV		
				236-239	RED + GREEN + BLUE + AMBER + UV		
				240-243	RED + GREEN + WHITE + AMBER + UV		
				244-247	RED + BLUE + WHITE + AMBER + UV		
				248-251	GREEN + BLUE + WHITE + AMBER + UV		
				252-255	RED + GREEN + BLUE + WHITE + AMBER + UV		
			10		Color Chase Macros	X	0
				0-20	No Function		
				21-40	30 Color Chase		
				41-60	6 Color Chase		
				61-80	Color Fade Chase		
				81-255	No Function		
			11	0-255	Color Chase Macro Speed		
					Color Chase Speed Slow to Fast		
			12		Dimming Modes	X	0
				0-20	Standard		
				21-40	Stage		
				41-60	TV		
				61-80	Architectural		
				81-100	Theatre		
				101-255	No Function		

COLOR TEMPERATURE

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

VIRTUAL COLORS

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	Mint 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