

DMX CHANNEL FUNCTIONS AND VALUES

1-CH DIMMER MODE

Elation KL Panel DMX Channels / Functions				
Supports Software Versions: 1.03				
Channel	Value	Function	Default	Snap
1	0 – 255	Dimmer Intensity, 0 to 100%	0	

4-CH DIMMER COLOR MODE

Elation KL Panel DMX Channels / Functions				
Supports Software Versions: 1.03				
Channel	Value	Function	Default	Snap
1	0 – 255	Dimmer Intensity, 0 to 100%	0	
2	0 – 255	Dimmer Fine	0	
3	CCT		0	
	0 – 19	Open		
	20 – 100	CCT 2000K – 10000K (see CCT Table)		
	101 – 255	10000K		
4	Color Wheel		0	
	0	Open		
	1 – 179	Virtual Swatch Book (see Virtual Colors Table)		
	<i>Color Scroll</i>			
	180 – 201	Clockwise, Fast to Slow		
	202 – 207	Stop		
	208 – 229	Counter-clockwise, Slow to Fast		
	230 – 234	Open		
	<i>Random Color Scroll</i>			
	235 – 239	Fast		
	240 – 244	Medium		
	245 – 249	Slow		
250 – 255	Open			

7-CH DIMMER COLOR FX MODE

Elation KL Panel DMX Channels / Functions				
Supports Software Versions: 1.03				
Channel	Value	Function	Default	Snap
1	0 – 255	Dimmer Intensity, 0 to 100%	0	
2	0 – 255	Dimmer Fine	0	
3	CCT		0	
	0 – 19	Open		
	20 – 100	CCT 2000K – 10000K (see CCT Table)		
	101 – 255	10000K		
4	Color Wheel		0	
	0	Open		
	1 – 179	Virtual Swatch Book (see Virtual Colors Table)		
	<i>Color Scroll</i>			
	180 – 201	Clockwise, Fast to Slow		
	202 – 207	Stop		
	208 – 229	Counter-clockwise, Slow to Fast		
	230 – 234	Open		
	<i>Random Color Scroll</i>			
	235 – 239	Fast		
	240 – 244	Medium		
	245 – 249	Slow		
	250 – 255	Open		
	5	0 – 255		
6	0 – 255	FX Adjustment	127	Fade
7	FX Offset		0	Snap
	0	Idle		
	1	Fixture Offset, 10°		
	2	Fixture Offset, 20°		
		
	35	Fixture Offset, 350°		
	36	Synchronized		
	37 – 100	No Function		
	101 – 120	Random Fixture Offset		
	121 – 140	Random Pixel Order		
141 – 255	Random Steps			

*Internal FX currently are not implemented.

6-CH RGBWLC MODE

Elation KL Panel DMX Channels / Functions				
Supports Software Versions: 1.03				
Channel	Value	Function	Default	Snap
1	0 – 255	Red, 0 to 100%	0	
2	0 – 255	Green, 0 to 100%	0	
3	0 – 255	Blue, 0 to 100%	0	
4	0 – 255	White, 0 to 100%	0	
5	0 – 255	Lime, 0 to 100%	0	
6	0 – 255	Cyan, 0 to 100%	0	

12-CH RGBWLC 16-BIT MODE

Elation KL Panel DMX Channels / Functions				
Supports Software Versions: 1.03				
Channel	Value	Function	Default	Snap
1	0 – 255	Red, 0 to 100%	0	
2	0 – 255	Red Fine, 0 to 100%	0	
3	0 – 255	Green, 0 to 100%	0	
4	0 – 255	Green Fine, 0 to 100%	0	
5	0 – 255	Blue, 0 to 100%	0	
6	0 – 255	Blue Fine, 0 to 100%	0	
7	0 – 255	White, 0 to 100%	0	
8	0 – 255	White Fine, 0 to 100%	0	
9	0 – 255	Lime, 0 to 100%	0	
10	0 – 255	Lime Fine, 0 to 100%	0	
11	0 – 255	Cyan, 0 to 100%	0	
12	0 – 255	Cyan Fine, 0 to 100%	0	

14-CH STANDARD MODE

Elation KL Panel DMX Channels / Functions				
Supports Software Versions: 1.03				
Channel	Value	Function	Default	Snap
1	Strobe		50	Snap
	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)			
2	0 – 255	Dimmer Intensity, 0 to 100%	0	
3	0 – 255	Dimmer Fine	0	
4	0 – 255	Red, 0 to 100%	0	
5	0 – 255	Green, 0 to 100%	0	
6	0 – 255	Blue, 0 to 100%	0	
7	CCT		0	
	0 – 19	Open		
	20 – 100	CCT 2000K – 10000K (see CCT Table)		
	101 – 255	10000K		
8	Green Shift		0	
	0	Idle		
	1 – 127	Full Minus Green to Neutral		
	128	Neutral White		
	129 – 255	Neutral to Full Plus Green		

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Channel	Value	Function	Default	Snap
9	Color Wheel		0	
	0	Open		
	1 – 179	Virtual Swatch Book (see Virtual Colors Table)		
	<i>Color Scroll</i>			
	180 – 201	Clockwise, Fast to Slow		
	202 – 207	Stop		
	208 – 229	Counter-clockwise, Slow to Fast		
	230 – 234	Open		
	<i>Random Color Scroll</i>			
	235 – 239	Fast		
	240 – 244	Medium		
	245 – 249	Slow		
	250 – 255	Open		
10	Dim Modes		0	Snap
	0 – 20	Standard		
	21 – 40	Stage		
	41 – 60	TV		
	61 – 80	Architectural		
	81 – 100	Theatre		
	101 – 120	Stage 2		
	<i>Dimmer Display Time</i>			
	121	0 s		
	122	0.1 s		
	123	0.2 s		
	124	0.3 s		
	125	0.4 s		
	126	0.5 s		
	127	0.6 s		
	128	0.7 s		
	129	0.8 s		
	130	0.9 s		
	131	1.0 s		
	132	1.5 s		
	133	2.0 s		
	134	3.0 s		
	135	4.0 s		
	136	5.0 s		
	137	6.0 s		
	138	7.0 s		
	139	8.0 s		
140	9.0 s			
141	10.0 s			
142 – 255	Idle			
11	Control		0	Snap
	0 – 29	Idle		
	30 – 39	Fan Mode Auto		
	40 – 49	Fan Mode Silent		
	50 – 59	Fan Mode High		
	60 – 70	Idle		
	80 – 84	Reset		
85 – 99	Idle			
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Channel	Value	Function	Default	Snap
11 (continued from prev page)	<i>Refresh Rate</i>		0	Snap
	100	900 Hz		
	101	910 Hz		
	102	920 Hz		
	103	930 Hz		
	104	940 Hz		
	105	950 Hz		
	106	960 Hz		
	107	970 Hz		
	108	980 Hz		
	109	990 Hz		
	110	1000 Hz		
	111	1010 Hz		
	112	1020 Hz		
	113	1030 Hz		
	114	1040 Hz		
	115	1050 Hz		
	116	1060 Hz		
	117	1070 Hz		
	118	1080 Hz		
	119	1090 Hz		
	120	1100 Hz		
	121	1110 Hz		
	122	1120 Hz		
	123	1130 Hz		
	124	1140 Hz		
	125	1150 Hz		
	126	1160 Hz		
	127	1170 Hz		
	128	1180 Hz		
129	1190 Hz			
130	1200 Hz			
131	1210 Hz			
132	1220 Hz			
133	1230 Hz			
134	1240 Hz			
135	1250 Hz			
136	1260 Hz			
137	1270 Hz			
138	1280 Hz			
139	1290 Hz			
140	1300 Hz			
141	1310 Hz			
142	1320 Hz			
143	1330 Hz			
144	1340 Hz			
145	1350 Hz			
146	1360 Hz			
147	1370 Hz			
148	1380 Hz			
149	1390 Hz			

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Channel	Value	Function	Default	Snap
11 (continued from prev page)	<i>Refresh Rate (continued from prev page)</i>		0	Snap
	150	1400 Hz		
	151	1410 Hz		
	152	1420 Hz		
	153	1430 Hz		
	154	1440 Hz		
	155	1450 Hz		
	156	1460 Hz		
	157	1470 Hz		
	158	1480 Hz		
	159	1490 Hz		
	160	1500 Hz		
	161	2500 Hz		
	162	4000 Hz		
	163	5000 Hz		
	164	6000 Hz		
	165	10000 Hz		
	166	15000 Hz		
	167	20000 Hz		
	168	25000 Hz		
	169 – 200	Idle		
	201 – 210	Dimmer Curve Linear (default)		
	211 – 220	Dimmer Curve Square		
	221 – 230	Dimmer Curve Inverse Square		
	231 – 240	Dimmer Curve S-Curve		
	241	Internal Program 1 (Scene 1 – 8)		
	242	Internal Program 2 (Scene 9 – 16)		
	243	Internal Program 3 (Scene 17 – 24)		
244	Internal Program 4 (Scene 25 – 32)			
245	Internal Program 5 (Scene 33 – 40)			
246	Internal Program 6 (Scene 41 – 48)			
247	Internal Program 7 (Scene 49 – 56)			
248 – 255	Idle			
12	0 – 255	FX Selection*	0	Snap
13	0 – 255	FX Adjustment	127	Fade
14	FX Offset		0	Snap
	0	Idle		
	1	Fixture Offset, 10°		
	2	Fixture Offset, 20°		
		
	35	Fixture Offset, 350°		
	36	Synchronized		
	37 – 100	No Function		
	101 – 120	Random Fixture Offset		
	121 – 140	Random Pixel Order		
	141 – 255	Random Steps		

*Internal FX currently are not implemented.

23-CH EXTENDED MODE

Elation KL Panel DMX Channels / Functions				
Supports Software Versions: 1.03				
Channel	Value	Function	Default	Snap
1	Strobe		50	Snap
	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)			
2	0 – 255	Dimmer Intensity, 0 to 100%	0	
3	0 – 255	Dimmer Fine	0	
4	0 – 255	Red, 0 to 100%	0	
5	0 – 255	Red Fine, 0 to 100%	0	
6	0 – 255	Green, 0 to 100%	0	
7	0 – 255	Green Fine, 0 to 100%	0	
8	0 – 255	Blue, 0 to 100%	0	
9	0 – 255	Blue Fine, 0 to 100%	0	
10	0 – 255	White, 0 to 100%	0	
11	0 – 255	White Fine, 0 to 100%	0	
12	0 – 255	Lime, 0 to 100%	0	
13	0 – 255	Lime Fine, 0 to 100%	0	
14	0 – 255	Cyan, 0 to 100%	0	
15	0 – 255	Cyan Fine, 0 to 100%	0	
16	CCT		0	
	0 – 19	Open		
	20 – 100	CCT 2000K – 10000K (see CCT Table)		
	101 – 255	10000K		
17	Green Shift		0	
	0	Idle		
	1 – 127	Full Minus Green to Neutral		
	128	Neutral White		
	129 – 255	Neutral to Full Plus Green		
18	Color Wheel		0	
	0	Open		
	1 – 179	Virtual Swatch Book (see Virtual Colors Table)		
	<i>Color Scroll</i>			
	180 – 201	Clockwise, Fast to Slow		
	202 – 207	Stop		
	208 – 229	Counter-clockwise, Slow to Fast		
	230 – 234	Open		
	<i>Random Color Scroll</i>			
	235 – 239	Fast		
	240 – 244	Medium		
	245 – 249	Slow		
	250 – 255	Open		
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Channel	Value	Function	Default	Snap
19	Dim Modes		0	Snap
	0 – 20	Standard		
	21 – 40	Stage		
	41 – 60	TV		
	61 – 80	Architectural		
	81 – 100	Theatre		
	101 – 120	Stage 2		
	<i>Dimmer Display Time</i>			
	121	0 s		
	122	0.1 s		
	123	0.2 s		
	124	0.3 s		
	125	0.4 s		
	126	0.5 s		
	127	0.6 s		
	128	0.7 s		
	129	0.8 s		
	130	0.9 s		
	131	1.0 s		
	132	1.5 s		
	133	2.0 s		
	134	3.0 s		
	135	4.0 s		
	136	5.0 s		
	137	6.0 s		
	138	7.0 s		
	139	8.0 s		
140	9.0 s			
141	10.0 s			
142 – 255	Idle			
20	Control		0	Snap
	0 – 29	Idle		
	30 – 39	Fan Mode Auto		
	40 – 49	Fan Mode Silent		
	50 – 59	Fan Mode High		
	60 – 79	Idle		
	80 – 84	Reset		
	85 – 99	Idle		
	<i>Refresh Rate</i>			
	100	900 Hz		
	101	910 Hz		
	102	920 Hz		
	103	930 Hz		
	104	940 Hz		
	105	950 Hz		
	106	960 Hz		
	107	970 Hz		
	108	980 Hz		
	109	990 Hz		
	110	1000 Hz		
111	1010 Hz			
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Channel	Value	Function	Default	Snap
20 (continued from prev page)	<i>Refresh Rate (continued from prev page)</i>		0	Snap
	112	1020 Hz		
	113	1030 Hz		
	114	1040 Hz		
	115	1050 Hz		
	116	1060 Hz		
	117	1070 Hz		
	118	1080 Hz		
	119	1090 Hz		
	120	1100 Hz		
	121	1110 Hz		
	122	1120 Hz		
	123	1130 Hz		
	124	1140 Hz		
	125	1150 Hz		
	126	1160 Hz		
	127	1170 Hz		
	128	1180 Hz		
	129	1190 Hz		
	130	1200 Hz		
	131	1210 Hz		
	132	1220 Hz		
	133	1230 Hz		
	134	1240 Hz		
	135	1250 Hz		
	136	1260 Hz		
	137	1270 Hz		
	138	1280 Hz		
	139	1290 Hz		
	140	1300 Hz		
	141	1310 Hz		
	142	1320 Hz		
	143	1330 Hz		
	144	1340 Hz		
	145	1350 Hz		
	146	1360 Hz		
	147	1370 Hz		
	148	1380 Hz		
	149	1390 Hz		
	150	1400 Hz		
151	1410 Hz			
152	1420 Hz			
153	1430 Hz			
154	1440 Hz			
155	1450 Hz			
156	1460 Hz			
157	1470 Hz			
158	1480 Hz			
159	1490 Hz			
160	1500 Hz			
161	2500 Hz			

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Channel	Value	Function	Default	Snap
20 (continued from prev page)	<i>Refresh Rate (continued from prev page)</i>		0	Snap
	162	4000 Hz		
	163	5000 Hz		
	164	6000 Hz		
	165	10000 Hz		
	166	15000 Hz		
	167	20000 Hz		
	168	25000 Hz		
	169 – 200	Idle		
	201 – 210	Dimmer Curve Linear (default)		
	211 – 220	Dimmer Curve Square		
	221 – 230	Dimmer Curve Inverse Square		
	231 – 240	Dimmer Curve S-Curve		
	241	Internal Program 1 (Scene 1 – 8)		
	242	Internal Program 2 (Scene 9 – 16)		
	243	Internal Program 3 (Scene 17 – 24)		
	244	Internal Program 4 (Scene 25 – 32)		
	245	Internal Program 5 (Scene 33 – 40)		
	246	Internal Program 6 (Scene 41 – 48)		
	247	Internal Program 7 (Scene 49 – 56)		
248 – 255	Idle			
21	0 – 255	FX Selection*	0	Snap
22	0 – 255	FX Adjustment	127	Fade
23	FX Offset		0	Snap
	0	Idle		
	1	Fixture Offset, 10°		
	2	Fixture Offset, 20°		
		
	35	Fixture Offset, 350°		
	36	Synchronized		
	37 – 100	No Function		
	101 – 120	Random Fixture Offset		
	121 – 140	Random Pixel Order		
	141 – 255	Random Steps		

*Internal FX currently are not implemented.

4-CH HSI MODE

Elation KL Panel DMX Channels / Functions				
Supports Software Versions: 1.03				
Channel	Value	Function	Default	Snap
1	0 – 255	Dimmer Intensity, 0 to 100%	0	
2	0 – 255	Dimmer Fine	0	
3	0 – 255	Hue, 0 to 100%	255	
4	0 – 255	Saturation, 0 to 100%	255	

12-CH HSI EXTENDED MODE

Elation KL Panel DMX Channels / Functions				
Supports Software Versions: 1.03				
Channel	Value	Function	Default	Snap
1	Strobe		50	Snap
	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)			
2	0 – 255	Dimmer Intensity, 0 to 100%	0	
3	0 – 255	Dimmer Fine	0	
4	0 – 255	Hue, 0 to 100%	255	
5	0 – 255	Saturation, 0 to 100%	255	
6	CCT		0	
	0 – 19	Open		
	20 – 100	CCT 2000K – 10000K (see CCT Table)		
101 – 255	10000K			
7	Color Wheel		0	
	0	Open		
	1 – 179	Virtual Swatch Book (see Virtual Color Table)		
	<i>Color Scroll</i>			
	180 – 201	Clockwise, Fast to Slow		
	202 – 207	Stop		
	208 – 229	Counter-clockwise, Slow to Fast		
	230 – 234	Open		
	<i>Random Color Scroll</i>			
	235 – 239	Fast		
	240 – 244	Medium		
	245 – 249	Slow		
250 – 255	Open			
8	Dim Modes		0	Snap
	0 – 20	Standard		
	21 – 40	Stage		
	41 – 60	TV		
	61 – 80	Architectural		
	81 – 100	Theatre		
	101 – 120	Stage 2		
	<i>Dimmer Delay Time</i>			
	121	0 s		
	122	0.1 s		
	123	0.2 s		
	124	0.3 s		
	125	0.4 s		
	126	0.5 s		
	127	0.6 s		
128	0.7 s			

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Channel	Value	Function	Default	Snap
8 (continued from prev page)	<i>Dimmer Delay Time (continued from prev page)</i>		0	Snap
	129	0.8 s		
	130	0.9 s		
	131	1.0 s		
	132	1.5 s		
	133	2.0 s		
	134	3.0 s		
	135	4.0 s		
	136	5.0 s		
	137	6.0 s		
	138	7.0 s		
	139	8.0 s		
	140	9.0 s		
	141	10.0 s		
142 – 255	Idle			
9	Control		0	Snap
	0 – 79	Idle		
	80 – 84	Reset		
	85 – 99	Idle		
	<i>Refresh Rate</i>			
	100	900 Hz		
	101	910 Hz		
	102	920 Hz		
	103	930 Hz		
	104	940 Hz		
	105	950 Hz		
	106	960 Hz		
	107	970 Hz		
	108	980 Hz		
	109	990 Hz		
	110	1000 Hz		
	111	1010 Hz		
	112	1020 Hz		
	113	1030 Hz		
	114	1040 Hz		
	115	1050 Hz		
	116	1060 Hz		
	117	1070 Hz		
	118	1080 Hz		
	119	1090 Hz		
	120	1100 Hz		
	121	1110 Hz		
	122	1120 Hz		
	123	1130 Hz		
	124	1140 Hz		
	125	1150 Hz		
	126	1160 Hz		
	127	1170 Hz		
	128	1180 Hz		
129	1190 Hz			
130	1200 Hz			
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Channel	Value	Function	Default	Snap
9 (continued from prev page)	<i>Dimmer Delay Time (continued from prev page)</i>		0	Snap
	131	1210 Hz		
	132	1220 Hz		
	133	1230 Hz		
	134	1240 Hz		
	135	1250 Hz		
	136	1260 Hz		
	137	1270 Hz		
	138	1280 Hz		
	139	1290 Hz		
	140	1300 Hz		
	141	1310 Hz		
	142	1320 Hz		
	143	1330 Hz		
	144	1340 Hz		
	145	1350 Hz		
	146	1360 Hz		
	147	1370 Hz		
	148	1380 Hz		
	149	1390 Hz		
	150	1400 Hz		
	151	1410 Hz		
	152	1420 Hz		
	153	1430 Hz		
	154	1440 Hz		
	155	1450 Hz		
	156	1460 Hz		
	157	1470 Hz		
	158	1480 Hz		
	159	1490 Hz		
	160	1500 Hz		
	161	2500 Hz		
162	4000 Hz			
163	5000 Hz			
164	6000 Hz			
165	10000 Hz			
166	15000 Hz			
167	20000 Hz			
168	25000 Hz			
169 – 200	Idle			
201 – 210	Dimmer Curve Linear (default)			
211 – 220	Dimmer Curve Square			
221 – 230	Dimmer Curve Inverse Square			
231 – 240	Dimmer Curve S-Curve			
241	Internal Program 1 (Scene 1 – 8)			
242	Internal Program 2 (Scene 9 – 16)			
243	Internal Program 3 (Scene 17 – 24)			
244	Internal Program 4 (Scene 25 – 32)			
245	Internal Program 5 (Scene 33 – 40)			

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Channel	Value	Function	Default	Snap
9 (continued from prev page)	246	Internal Program 6 (Scene 41 – 48)	0	Snap
	247	Internal Program 7 (Scene 49 – 56)		
	248 – 255	Idle		
10	0 – 255	FX Selection*	0	Snap
11	0 – 255	FX Adjustment	127	Fade
12	FX Offset		0	Snap
	0	Idle		
	1	Fixture Offset, 10°		
	2	Fixture Offset, 20°		
		
	35	Fixture Offset, 350°		
	36	Synchronized		
	37 – 100	No Function		
	101 – 120	Random Fixture Offset		
	121 – 140	Random Pixel Order		
	141 – 255	Random Steps		

*Internal FX currently are not implemented.