

## DMX CHART

COLORado PXL Curve 1  
V1.260319



### DMX Channel Assignments and Values

#### Control Chart

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 009	No function	075 ⇔ 084	No function	160 ⇔ 164	S-Curve dimmer curve
010 ⇔ 014	Blackout on Pan/Tilt	085 ⇔ 089	Pan reverse	165 ⇔ 169	White mode
015 ⇔ 019	Reserved for future use	090 ⇔ 094	Tilt reverse	170 ⇔ 174	Full mode
020 ⇔ 024	RGBW (additive) color mix	095 ⇔ 099	Pan normal	175 ⇔ 179	PWM 600 Hz
025 ⇔ 029	CMY (subtractive) color mix	100 ⇔ 104	Tilt normal	180 ⇔ 184	PWM 1200 Hz
030 ⇔ 039	No function	105 ⇔ 109	Reserved for future use	185 ⇔ 189	PWM 2000 Hz
040 ⇔ 044	Preset color HTP on	110 ⇔ 119	No function	190 ⇔ 194	PWM 4000 Hz
045 ⇔ 049	Preset color HTP off	120 ⇔ 134	Reserved for future use	195 ⇔ 199	PWM 6000 Hz
050 ⇔ 054	Pan reset	135 ⇔ 139	Fast dimmer	200 ⇔ 204	PWM 15 kHz
055 ⇔ 059	Tilt reset	140 ⇔ 144	Smooth dimmer	205 ⇔ 239	Reserved for future use
060 ⇔ 064	Zoom Reset	145 ⇔ 149	Linear dimmer curve	240 ⇔ 244	Fast Pan/Tilt
065 ⇔ 066	Zoom reset theater mode on	150 ⇔ 154	Square dimmer curve	245 ⇔ 249	Smooth Pan/Tilt
67 ⇔ 069	Zoom reset theater mode off	155 ⇔ 159	I-Square dimmer curve	250 ⇔ 255	Reserved for future use
070 ⇔ 74	Reset all				

#### Strobe Chart

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 019	Off	110 ⇔ 124	Random strobe*	185 ⇔ 189	On
020 ⇔ 024	On	125 ⇔ 129	On	190 ⇔ 204	Random pulse strobe*
025 ⇔ 064	Strobe*	130 ⇔ 144	Random strobe 100–0%*	205 ⇔ 209	On
065 ⇔ 069	On	145 ⇔ 149	On	210 ⇔ 224	Strobe 0–100–0%*
070 ⇔ 084	Strobe 100–0%*	150 ⇔ 164	Random strobe 0–100%*	225 ⇔ 229	On
085 ⇔ 089	On	165 ⇔ 169	On	230 ⇔ 244	Pulse strobe*
090 ⇔ 104	Strobe 0–100%*	170 ⇔ 184	Pulse strobe	245 ⇔ 255	On
105 ⇔ 109	On				

\*All strobe value ranges go from fast to slow

#### Color Macro Chart

Value	Setting	Red	Green	Blue	White	Value	Setting	Red	Green	Blue	White
000	No function	–	–	–	–	087	Green	000	255	000	000
001 ⇔ 002	3200K	243	211	000	055	088 ⇔ 124	Green to yellow	+	255	000	000
003 ⇔ 004	4000K	177	177	000	100	125	Yellow	255	255	000	000
005 ⇔ 006	2700K	255	175	000	050	126 ⇔ 162	Yellow to red	255	–	000	000
007 ⇔ 008	4200K	251	255	008	145	163	Red	255	000	000	000
009 ⇔ 010	5600K	109	146	000	210	164 ⇔ 201	Red to magenta	255	000	+	000
011 ⇔ 012	6500K	106	157	012	211	202	Magenta	255	000	255	000
013 ⇔ 014	7500K	066	127	011	255	203 ⇔ 238	Magenta to blue	–	000	255	000
015 ⇔ 048	Blue to cyan	000	+	255	000	239	Blue	000	000	255	000
049	Cyan	000	255	255	000	240 ⇔ 247	Color fade, fast to slow				
050 ⇔ 086	Cyan to green	000	255	–	000	248 ⇔ 255	Color snap, fast to slow				

**Cells Macro Chart**

Value	Setting	Value	Setting
000 ⇔ 015	No function	136 ⇔ 137	Macro 36
016 ⇔ 017	Macro 1	138 ⇔ 139	Macro 37
018 ⇔ 019	Macro 2	140 ⇔ 141	Macro 38
020 ⇔ 021	Macro 3	142 ⇔ 143	Macro 39
022 ⇔ 023	Macro 4	144 ⇔ 145	Macro 40
024 ⇔ 025	Macro 5	146 ⇔ 147	Macro 41
026 ⇔ 027	Macro 6	148 ⇔ 149	Macro 42
028 ⇔ 029	Macro 7	150 ⇔ 151	Macro 43
030 ⇔ 031	Macro 8	152 ⇔ 153	Macro 44
032 ⇔ 033	Macro 9	154 ⇔ 155	Macro 45
034 ⇔ 035	Macro 10	156 ⇔ 157	Macro 46
036 ⇔ 037	Macro 11	158 ⇔ 159	Macro 47
038 ⇔ 039	Macro 12	160 ⇔ 161	Macro 48
040 ⇔ 041	Macro 13	162 ⇔ 163	Macro 49
042 ⇔ 043	Macro 14	164 ⇔ 165	Macro 50
044 ⇔ 045	Macro 15	166 ⇔ 167	Macro 51
046 ⇔ 047	Macro 16	168 ⇔ 169	Macro 52
048 ⇔ 049	Macro 17	170 ⇔ 171	Macro 53
050 ⇔ 051	Macro 18	172 ⇔ 173	Macro 54
052 ⇔ 053	Macro 19	174 ⇔ 175	Macro 55
054 ⇔ 055	Macro 20	176 ⇔ 177	Macro 56
056 ⇔ 057	Macro 21	178 ⇔ 179	Macro 57
058 ⇔ 059	Macro 22	180 ⇔ 181	Macro 58
060 ⇔ 061	Macro 23	182 ⇔ 183	Macro 59
062 ⇔ 063	Macro 24	184 ⇔ 185	Macro 60
064 ⇔ 065	Macro 25	186 ⇔ 187	Macro 61
066 ⇔ 067	Macro 26	188 ⇔ 189	Macro 62
068 ⇔ 069	Macro 27	190 ⇔ 191	Macro 63
070 ⇔ 071	Macro 28	192 ⇔ 193	Macro 64
072 ⇔ 073	Macro 29	194 ⇔ 195	Macro 65
074 ⇔ 075	Macro 30	196 ⇔ 197	Macro 66
076 ⇔ 077	Macro 31	198 ⇔ 199	Macro 67
078 ⇔ 079	Macro 32	200 ⇔ 201	Macro 68
080 ⇔ 081	Macro 33	202 ⇔ 203	Macro 69
082 ⇔ 083	Macro 34	204 ⇔ 255	Macro 70 (main macro)
084 ⇔ 135	Macro 35 (main macro)		

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### Advanced

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	16-bit 0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	16-bit 0–100%
5	Pan/Tilt speed	000 ⇔ 255	Fast to slow
6	Control	000 ⇔ 255	See the <a href="#">Control Chart</a>
7	Center dimmer	000 ⇔ 255	0–100%
8	Center fine dimmer	000 ⇔ 255	16-bit 0–100%
9	Center red (cyan)	000 ⇔ 255	0–100%
10	Center fine red (cyan)	000 ⇔ 255	16-bit 0–100%
11	Center green (magenta)	000 ⇔ 255	0–100%
12	Center fine green (magenta)	000 ⇔ 255	16-bit 0–100%
13	Center blue (yellow)	000 ⇔ 255	0–100%
14	Center fine blue (yellow)	000 ⇔ 255	16-bit 0–100%
15	Center white	000 ⇔ 255	0–100%
16	Center fine white	000 ⇔ 255	16-bit 0–100%
17	Center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
18	Zoom	000 ⇔ 255	0–100%
19	Fine zoom	000 ⇔ 255	16-bit 0–100%
20	Center strobe	000 ⇔ 255	See the <a href="#">Strobe Chart</a>
21	Center color macro	000 ⇔ 255	See the <a href="#">Color Macro Chart</a>
22	CW cell 1 dimmer	000 ⇔ 255	0–100%
23	CW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
24	WW cell 1 dimmer	000 ⇔ 255	0–100%
25	WW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
26	CW/WW cell 1 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
27	CW cell 2 dimmer	000 ⇔ 255	0–100%
28	CW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
29	WW cell 2 dimmer	000 ⇔ 255	0–100%
30	WW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
31	CW/WW cell 2 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
32	CW cell 3 dimmer	000 ⇔ 255	0–100%
33	CW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
34	WW cell 3 dimmer	000 ⇔ 255	0–100%
35	WW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
36	CW/WW cell 3 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
37	CW cell 4 dimmer	000 ⇔ 255	0–100%
38	CW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
39	WW cell 4 dimmer	000 ⇔ 255	0–100%
40	WW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
41	CW/WW cell 4 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
42	CW cell 5 dimmer	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
43	CW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
44	WW cell 5 dimmer	000 ⇔ 255	0–100%
45	WW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
46	CW/WW cell 5 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
47	CW cell 6 dimmer	000 ⇔ 255	0–100%
48	CW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
49	WW cell 6 dimmer	000 ⇔ 255	0–100%
50	WW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
51	CW/WW cell 6 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
52	CW cell 7 dimmer	000 ⇔ 255	0–100%
53	CW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
54	WW cell 7 dimmer	000 ⇔ 255	0–100%
55	WW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
56	CW/WW cell 7 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
57	CW cell 8 dimmer	000 ⇔ 255	0–100%
58	CW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
59	WW cell 8 dimmer	000 ⇔ 255	0–100%
60	WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
61	CW/WW cell 8 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
62	CW cell strobe	000 ⇔ 255	See the <a href="#">Strobe Chart</a>
63	CW cell pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
64	CW cell macro	000 ⇔ 255	See the <a href="#">Cells Macro Chart</a>
65	CW cell macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
66	CW cell macro delay	000 ⇔ 255	Fast to slow
67	WW cell strobe	000 ⇔ 255	See the <a href="#">Strobe Chart</a>
68	WW strobe cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
69	WW strobe cells macro	000 ⇔ 255	See the <a href="#">Cells Macro Chart</a>
70	WW strobe cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
71	WW strobe cells macro delay	000 ⇔ 255	Fast to slow

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### Standard

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	16-bit 0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	16-bit 0–100%
5	Pan/Tilt speed	000 ⇔ 255	Fast to slow
6	Control	000 ⇔ 255	See the <a href="#">Control Chart</a>
7	Center dimmer	000 ⇔ 255	0–100%
8	Center fine dimmer	000 ⇔ 255	16-bit 0–100%
9	Center red	000 ⇔ 255	0–100%
10	Center green	000 ⇔ 255	0–100%
11	Center blue	000 ⇔ 255	0–100%
12	Center white	000 ⇔ 255	0–100%
13	Center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
14	Zoom	000 ⇔ 255	0–100%
15	Fine zoom	000 ⇔ 255	16-bit 0–100%
16	Center strobe	000 ⇔ 255	See the <a href="#">Strobe Chart</a>
17	Center color macro	000 ⇔ 255	See the <a href="#">Color Macro Chart</a>
18	CW cell 1 dimmer	000 ⇔ 255	0–100%
19	WW cell 1 dimmer	000 ⇔ 255	0–100%
20	CW cell 2 dimmer	000 ⇔ 255	0–100%
21	WW cell 2 dimmer	000 ⇔ 255	0–100%
22	CW cell 3 dimmer	000 ⇔ 255	0–100%
23	WW cell 3 dimmer	000 ⇔ 255	0–100%
24	CW cell 4 dimmer	000 ⇔ 255	0–100%
25	WW cell 4 dimmer	000 ⇔ 255	0–100%
26	CW cell 5 dimmer	000 ⇔ 255	0–100%
27	WW cell 5 dimmer	000 ⇔ 255	0–100%
28	CW cell 6 dimmer	000 ⇔ 255	0–100%
29	WW cell 6 dimmer	000 ⇔ 255	0–100%
30	CW cell 7 dimmer	000 ⇔ 255	0–100%
31	WW cell 7 dimmer	000 ⇔ 255	0–100%
32	CW cell 8 dimmer	000 ⇔ 255	0–100%
33	WW cell 8 dimmer	000 ⇔ 255	0–100%
34	CW/WW cells CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
35	CW/WW cells strobe	000 ⇔ 255	See the <a href="#">Strobe Chart</a>
36	CW/WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
37	CW/WW cells macro	000 ⇔ 255	See the <a href="#">Cells Macro Chart</a>
38	CW/WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
39	CW/WW cells macro delay	000 ⇔ 255	Fast to slow

**Basic High Resolution**

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇄ 255	0–100%
2	Fine pan	000 ⇄ 255	16-bit 0–100%
3	Tilt	000 ⇄ 255	0–100%
4	Fine tilt	000 ⇄ 255	16-bit 0–100%
5	Pan/Tilt speed	000 ⇄ 255	Fast to slow
6	Control	000 ⇄ 255	See the <a href="#">Control Chart</a>
7	Center dimmer	000 ⇄ 255	0–100%
8	Center fine dimmer	000 ⇄ 255	16-bit 0–100%
9	Center red	000 ⇄ 255	0–100%
10	Center fine red	000 ⇄ 255	16-bit 0–100%
11	Center green	000 ⇄ 255	0–100%
12	Center fine green	000 ⇄ 255	16-bit 0–100%
13	Center blue	000 ⇄ 255	0–100%
14	Center fine blue	000 ⇄ 255	16-bit 0–100%
15	Center white	000 ⇄ 255	0–100%
16	Center fine white	000 ⇄ 255	16-bit 0–100%
17	Center CTC	000 ⇄ 009	No function
		010 ⇄ 255	Color temperature correction, 2700–10000K
18	Center fine CTC	000 ⇄ 255	Fine color temperature correction, -29.675–0K
19	Zoom	000 ⇄ 255	0–100%
20	Fine zoom	000 ⇄ 255	16-bit 0–100%
21	Center strobe	000 ⇄ 255	See the <a href="#">Strobe Chart</a>
22	Center color macro	000 ⇄ 255	See the <a href="#">Color Macro Chart</a>
23	CW/WW cells dimmer	000 ⇄ 255	0–100%
24	CW/WW cells fine dimmer	000 ⇄ 255	16-bit 0–100%
25	CW/WW cells CTC	000 ⇄ 009	No function
		010 ⇄ 255	Color temperature correction presets
26	CW/WW cells fine CTC	000 ⇄ 255	Fine color temperature correction, -29.675–0K
27	CW/WW cells strobe	000 ⇄ 255	See the <a href="#">Strobe Chart</a>
28	CW/WW cells pattern	000	No function
		001 ⇄ 215	Pattern 1–215
		216 ⇄ 255	Pattern 216
29	CW/WW cells macro	000 ⇄ 255	See the <a href="#">Cells Macro Chart</a>
30	CW/WW cells macro speed	000 ⇄ 127	Fast to slow
		128	Stop
		129 ⇄ 255	Slow to fast
31	CW/WW cells macro delay	000 ⇄ 255	Fast to slow

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### Basic Raw

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	16-bit 0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	16-bit 0–100%
5	Pan/Tilt speed	000 ⇔ 255	Fast to slow
6	Control	000 ⇔ 255	See the <a href="#">Control Chart</a>
7	Center dimmer	000 ⇔ 255	0–100%
8	Center fine dimmer	000 ⇔ 255	16-bit 0–100%
9	Center red	000 ⇔ 255	0–100%
10	Center fine red	000 ⇔ 255	16-bit 0–100%
11	Center green	000 ⇔ 255	0–100%
12	Center fine green	000 ⇔ 255	16-bit 0–100%
13	Center blue	000 ⇔ 255	0–100%
14	Center fine blue	000 ⇔ 255	16-bit 0–100%
15	Center white	000 ⇔ 255	0–100%
16	Center fine white	000 ⇔ 255	16-bit 0–100%
17	Center CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction, 2700–10000K
18	Zoom	000 ⇔ 255	0–100%
19	Fine zoom	000 ⇔ 255	16-bit 0–100%
20	Center strobe	000 ⇔ 255	See the <a href="#">Strobe Chart</a>
21	Center color macro	000 ⇔ 255	See the <a href="#">Color Macro Chart</a>
22	CW cell 1 dimmer	000 ⇔ 255	0–100%
23	WW cell 1 dimmer	000 ⇔ 255	0–100%
24	CW cell 2 dimmer	000 ⇔ 255	0–100%
25	WW cell 2 dimmer	000 ⇔ 255	0–100%
26	CW cell 3 dimmer	000 ⇔ 255	0–100%
27	WW cell 3 dimmer	000 ⇔ 255	0–100%
28	CW cell 4 dimmer	000 ⇔ 255	0–100%
29	WW cell 4 dimmer	000 ⇔ 255	0–100%
30	CW cell 5 dimmer	000 ⇔ 255	0–100%
31	WW cell 5 dimmer	000 ⇔ 255	0–100%
32	CW cell 6 dimmer	000 ⇔ 255	0–100%
33	WW cell 6 dimmer	000 ⇔ 255	0–100%
34	CW cell 7 dimmer	000 ⇔ 255	0–100%
35	WW cell 7 dimmer	000 ⇔ 255	0–100%
36	CW cell 8 dimmer	000 ⇔ 255	0–100%
37	WW cell 8 dimmer	000 ⇔ 255	0–100%

**Basic**

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇄ 255	0–100%
2	Fine pan	000 ⇄ 255	16-bit 0–100%
3	Tilt	000 ⇄ 255	0–100%
4	Fine tilt	000 ⇄ 255	16-bit 0–100%
5	Pan/Tilt speed	000 ⇄ 255	Fast to slow
6	Control	000 ⇄ 255	See the <a href="#">Control Chart</a>
7	Center dimmer	000 ⇄ 255	0–100%
8	Center fine dimmer	000 ⇄ 255	16-bit 0–100%
9	Center red	000 ⇄ 255	0–100%
10	Center green	000 ⇄ 255	0–100%
11	Center blue	000 ⇄ 255	0–100%
12	Center white	000 ⇄ 255	0–100%
13	Center CTC	000 ⇄ 009	No function
		010 ⇄ 255	Color temperature correction, 2700–10000K
14	Zoom	000 ⇄ 255	0–100%
15	Fine zoom	000 ⇄ 255	16-bit 0–100%
16	Center strobe	000 ⇄ 255	See the <a href="#">Strobe Chart</a>
17	Center color macro	000 ⇄ 255	See the <a href="#">Color Macro Chart</a>
18	CW/WW cells dimmer	000 ⇄ 255	0–100%
19	CW/WW cells CTC	000 ⇄ 009	No function
		010 ⇄ 255	Color temperature correction presets
20	CW/WW cells strobe	000 ⇄ 255	See the <a href="#">Strobe Chart</a>
21	CW/WW cells pattern	000	No function
		001 ⇄ 215	Pattern 1–215
		216 ⇄ 255	Pattern 216
22	CW/WW cells macro	000 ⇄ 255	See the <a href="#">Cells Macro Chart</a>
23	CW/WW cells macro speed	000 ⇄ 127	Fast to slow
		128	Stop
		129 ⇄ 255	Slow to fast
24	CW/WW cells macro delay	000 ⇄ 255	Fast to slow