

## DMX CHART

COLORado Solo Edge 1  
V0.0.0.9




### Virtual Color Wheel

The COLORado Solo Edge 1 includes a feature called the Virtual Color Wheel (VCW). This feature is available as a standalone control mode for manual use and as a control channel in select DMX personalities. More than 30 premixed colors, custom blended by Chauvet engineers, are available to call up for easier programming.

The DMX values used to mix these colors are provided below. The overall intensity of the Ovation fixture can be adjusted to more closely replicate familiar industry-standard colors. A chart is available at [www.chauvetprofessional.com](http://www.chauvetprofessional.com) to compare Chauvet's premixed colors with popular gel colors. This chart is for comparison purposes only and is not an assertion that Chauvet's premixed colors match any of the gel colors listed.

### Virtual Color Wheel Chart

DMX Value	Display Readout	Red	Green	Blue	White	Lime
000 ⇔ 005	--	--	--	--	--	--
006 ⇔ 013	<b>C3050–Md Yellow</b>	255	225	000	255	000
014 ⇔ 021	<b>C3040–Lt Yellow</b>	255	235	006	255	000
022 ⇔ 028	<b>C3240–Amb Yellow</b>	255	230	000	255	000
029 ⇔ 035	<b>C2340–VLt Amber</b>	255	119	015	255	000
036 ⇔ 043	<b>C2040–Lt Amber</b>	255	060	006	255	039
044 ⇔ 051	<b>C2050–Md Amber</b>	255	102	000	255	000
052 ⇔ 059	<b>C2060–Dk Amber</b>	255	056	000	255	000
060 ⇔ 067	<b>C1050–Lt Red</b>	255	000	001	005	003
068 ⇔ 075	<b>C1080–Md Red</b>	255	000	000	002	000
076 ⇔ 083	<b>C1020–NC Pink</b>	220	010	019	000	255
084 ⇔ 091	<b>C1030–Md Pink</b>	255	000	023	000	176
092 ⇔ 099	<b>C1630–Dk Pink</b>	232	018	023	000	255
100 ⇔ 107	<b>C1250–Md Red Amber</b>	255	000	000	013	018
108 ⇔ 115	<b>C1060–Dk Red Amber</b>	255	000	005	000	008
116 ⇔ 121	<b>C1650–Magenta</b>	255	000	027	000	055
122 ⇔ 130	<b>C6170–Dk Magenta</b>	255	000	064	000	000
131 ⇔ 138	<b>C6020–Lt Lavender</b>	255	190	064	000	255
139 ⇔ 146	<b>C5030–Lt Blue</b>	030	255	099	030	028
147 ⇔ 154	<b>C5020–VLt Blue</b>	038	255	103	044	094
155 ⇔ 162	<b>C5430–Lt Blue2</b>	022	255	075	026	030
163 ⇔ 170	<b>C5070–Blue</b>	015	255	165	000	000
171 ⇔ 178	<b>C5050–Md Blue</b>	055	255	122	000	000
179 ⇔ 186	<b>C5060–Dk Blue</b>	040	255	169	000	000
187 ⇔ 194	<b>C5690–Indigo</b>	040	000	255	006	000
195 ⇔ 202	<b>C5080–VDk Blue</b>	000	230	255	006	000
203 ⇔ 210	<b>C5081–VDk Blue2</b>	000	178	255	010	000
211 ⇔ 218	<b>C4370–Yel Green</b>	006	255	004	010	000
219 ⇔ 226	<b>C4070–Green</b>	039	255	007	012	000
227 ⇔ 234	<b>C4550–Turquoise</b>	090	255	024	000	000
235 ⇔ 242	<b>C4560–Aqua</b>	070	255	028	000	006
243 ⇔ 250	<b>C4570–Blue Green</b>	000	255	026	000	005
251 ⇔ 255	--	--	--	--	--	--

 The colors above are simulated renditions of the color output produced compared with other similar incandescent products. Chauvet makes no guarantee of the color output accuracy.

**Color Temperature Chart**

DMX Value	Display Readout	Red	Green	Blue	White	Lime
000 ⇔ 005	--	--	--	--	--	--
006 ⇔ 020	<b>2800K</b>	240	030	005	245	110
021 ⇔ 034	<b>3000K</b>	240	040	015	245	132
035 ⇔ 055	<b>3200K</b>	240	046	030	245	160
056 ⇔ 090	<b>3500K</b>	231	077	043	245	164
091 ⇔ 125	<b>4000K</b>	204	113	065	245	164
126 ⇔ 160	<b>4500K</b>	183	146	087	245	164
161 ⇔ 202	<b>5000K</b>	169	185	105	245	155
203 ⇔ 216	<b>5600K</b>	135	210	119	245	135
217 ⇔ 223	<b>6000K</b>	120	221	129	246	125
224 ⇔ 230	<b>6500K</b>	097	235	129	245	095
231 ⇔ 237	<b>7000K</b>	085	250	137	245	084
238 ⇔ 244	<b>7500K</b>	075	250	135	226	070
245 ⇔ 255	<b>8000K</b>	072	255	140	210	069



The color temperatures above are simulated renditions of the color output produced compared with a tungsten lamp at the specified color temperature. Chauvet makes no guarantee of the color output accuracy.

**DMX Channel Assignments and Values**

**Control Chart**

Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 009	No function	100 ⇔ 104	Factory white calibration
010 ⇔ 014	Reset dimmer	105 ⇔ 129	No function
015 ⇔ 024	Reserved for future use	130 ⇔ 134	LED frequency 1000 Hz
025 ⇔ 029	S-curve dimmer	135 ⇔ 139	LED frequency 2000 Hz
030 ⇔ 034	Linear dimmer	140 ⇔ 144	LED frequency 4000 Hz
035 ⇔ 039	Square dimmer	145 ⇔ 149	LED frequency 6000 Hz
040 ⇔ 044	Inverse square dimmer	150 ⇔ 154	LED frequency 25000 Hz
045 ⇔ 049	Dimmer mode off	155 ⇔ 159	LED frequency 64000 Hz
050 ⇔ 054	Dimmer mode 1 (fast)	160 ⇔ 164	Cell order 1 > 2
055 ⇔ 059	Dimmer mode 2	165 ⇔ 169	Cell order 2 > 1
060 ⇔ 064	Dimmer mode 3 (slow)	170 ⇔ 174	Do not invert display
065 ⇔ 069	X-Fade speed off	175 ⇔ 179	Invert display
070 ⇔ 074	X-Fade speed 1	180 ⇔ 184	Key lock on
075 ⇔ 079	X-Fade speed 2	185 ⇔ 189	Key lock off
080 ⇔ 084	X-Fade speed 3	190 ⇔ 194	Red shift on
085 ⇔ 089	X-Fade speed 4	195 ⇔ 199	Red shift off
090 ⇔ 094	White calibration off	200 ⇔ 255	Reserved for future use
095 ⇔ 099	User custom white calibration		

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## Strobe Chart

Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 009	No function	145 ⇔ 149	No function
010 ⇔ 084	Strobe, slow to fast	150 ⇔ 199	Random strobe all, slow to fast
085 ⇔ 094	No function	200 ⇔ 204	No function
095 ⇔ 144	Lightning effect, slow to fast	205 ⇔ 255	Random strobe cells, slow to fast

## 2 Cell Personalities

### RGB 8ch - RGBWL Full 37ch

37: RGBWL Full 37ch, 23: RGBWL Ext. 23ch, 21: RGBW Ext. 21ch, 19: RGB Ext. 19ch, 22: RGBWL 16-bit 22ch, 12: RGBWL 12ch, 10: RGBW 10ch, 8: RGB ch

8	10	12	22	19	21	23	37	Function	Value	Percent/Setting
-	-	-	-	1	1	1	1	Dimmer 1	000 ⇔ 255	0-100%
-	-	-	-	-	-	-	2	Fine dimmer 1	000 ⇔ 255	0-100%
1	1	1	1	2	2	2	3	Red 1	000 ⇔ 255	0-100%
-	-	-	2	-	-	-	4	Fine red 1	000 ⇔ 255	0-100%
2	2	2	3	3	3	3	5	Green 1	000 ⇔ 255	0-100%
-	-	-	4	-	-	-	6	Fine green 1	000 ⇔ 255	0-100%
3	3	3	5	4	4	4	7	Blue 1	000 ⇔ 255	0-100%
-	-	-	6	-	-	-	8	Fine blue 1	000 ⇔ 255	0-100%
-	4	4	7	-	5	5	9	Warm white 1	000 ⇔ 255	0-100%
-	-	-	8	-	-	-	10	Fine Warm white 1	000 ⇔ 255	0-100%
-	-	5	9	-	-	6	11	Lime 1	000 ⇔ 255	0-100%
-	-	-	10	-	-	-	12	Fine lime 1	000 ⇔ 255	0-100%
-	-	-	-	5	6	7	13	Color temperature 1	000 ⇔ 255	See the <a href="#">Color Temperature Chart</a>
-	-	-	-	-	-	-	14	Fine color temp. 1	000 ⇔ 255	Fine CCT adjust
-	-	-	-	6	7	8	15	Tint 1 (Default to 128)	000 ⇔ 255	-25-+25% green
-	-	-	-	7	8	9	16	Blend CCT with RGBWwL mix 1 (Default to 255)	000	100% color temperature control
-	-	-	-	-	-	-	-		001 ⇔ 126	99-51% CCT, 1-49% RGBWwL
-	-	-	-	-	-	-	-		127 ⇔ 128	50% CCT, 50% RGBWwL mix
-	-	-	-	-	-	-	-		129 ⇔ 254	49-1% CCT, 51-99% RGBWwL
-	-	-	-	8	9	10	17	Dimmer 2	000 ⇔ 255	0-100%
-	-	-	-	-	-	-	18	Fine dimmer 2	000 ⇔ 255	0-100%
4	5	6	11	9	10	11	19	Red 2	000 ⇔ 255	0-100%
-	-	-	12	-	-	-	20	Fine red 2	000 ⇔ 255	0-100%
5	6	7	13	10	11	12	21	Green 2	000 ⇔ 255	0-100%
-	-	-	14	-	-	-	22	Fine green 2	000 ⇔ 255	0-100%
6	7	8	15	11	12	13	23	Blue 2	000 ⇔ 255	0-100%
-	-	-	16	-	-	-	24	Fine blue 2	000 ⇔ 255	0-100%
-	8	9	17	-	13	14	25	Warm white 2	000 ⇔ 255	0-100%
-	-	-	18	-	-	-	26	Fine warm white 2	000 ⇔ 255	0-100%
-	-	10	19	-	-	15	27	Lime 2	000 ⇔ 255	0-100%
-	-	-	20	-	-	-	28	Fine lime 2	000 ⇔ 255	0-100%
-	-	-	-	12	14	16	29	Color temperature 2	000 ⇔ 255	See the <a href="#">Color Temperature Chart</a>
-	-	-	-	-	-	-	30	Fine color temp. 2	000 ⇔ 255	Fine CCT adjust
-	-	-	-	13	15	17	31	Tint 2 (Default to 128)	000 ⇔ 255	-25-+25% green

8	10	12	22	19	21	23	37	Function	Value	Percent/Setting
-	-	-	-	14	16	18	32	<b>Blend CCT with RGBWwL mix 2</b> (Default to 255)	000 001 ⇔ 126 127 ⇔ 128 129 ⇔ 254 255	100% color temperature control 99–51% CCT, 1–49% RGBWwL 50% CCT, 50% RGBWwL mix 49–1% CCT, 51–99% RGBWwL 100% RGBWwL mix
-	-	-	-	15	17	19	33	<b>Strobe</b>	000 ⇔ 255	See the <a href="#">Strobe Chart</a>
-	-	-	-	16	18	20	34	<b>Virtual Color Wheel</b>	000 ⇔ 255	See the <a href="#">Virtual Color Wheel Chart</a>
-	-	-	-	17	19	21	35	<b>Control</b>	000 ⇔ 255	See the <a href="#">Control Chart</a>
7	9	11	21	18	20	22	36	<b>Indicator dimmer</b>	000 ⇔ 255	0–100%
8	10	12	22	19	21	23	37	<b>Indicator color</b>	000 ⇔ 005 006 ⇔ 010 011 ⇔ 015 016 ⇔ 020 021 ⇔ 025 026 ⇔ 030 031 ⇔ 035 036 ⇔ 040 041 ⇔ 255	No functon Red Green Blue Yellow Purple Cyan White No function

HSV 9ch

Channel	Function	Value	Percent/Setting
1	<b>Hue 1</b>	000 ⇔ 255	0–100%
2	<b>Saturation 1</b>	000 ⇔ 255	0–100%
3	<b>Value 1</b>	000 ⇔ 255	0–100%
4	<b>Hue 2</b>	000 ⇔ 255	0–100%
5	<b>Saturation 2</b>	000 ⇔ 255	0–100%
6	<b>Value 2</b>	000 ⇔ 255	0–100%
7	<b>Control</b>	000 ⇔ 255	See the <a href="#">Control Chart</a>
8	<b>Indicator dimmer</b>	000 ⇔ 255	0–100%
9	<b>Indicator color</b>	000 ⇔ 005 006 ⇔ 010 011 ⇔ 015 016 ⇔ 020 021 ⇔ 025 026 ⇔ 030 031 ⇔ 035 036 ⇔ 040 041 ⇔ 255	No functon Red Green Blue Yellow Purple Cyan White No function

CCT 9ch

Channel	Function	Value	Percent/Setting
1	<b>Dimmer 1</b>	000 ⇔ 255	0–100%
2	<b>Color temperature 1</b>	000 ⇔ 255	See the <a href="#">Color Temperature Chart</a>
3	<b>Tint 1</b> (Default to 128)	000 ⇔ 255	-25–+25% green
4	<b>Dimmer 2</b>	000 ⇔ 255	0–100%
5	<b>Color temperature 2</b>	000 ⇔ 255	See the <a href="#">Color Temperature Chart</a>
6	<b>Tint 2</b> (Default to 128)	000 ⇔ 255	-25–+25% green
7	<b>Control</b>	000 ⇔ 255	See the <a href="#">Control Chart</a>

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Channel	Function	Value	Percent/Setting
8	Indicator dimmer	000 ⇔ 255	0–100%
9	Indicator color	000 ⇔ 005	No functon
		006 ⇔ 010	Red
		011 ⇔ 015	Green
		016 ⇔ 020	Blue
		021 ⇔ 025	Yellow
		026 ⇔ 030	Purple
		031 ⇔ 035	Cyan
		036 ⇔ 040	White
		041 ⇔ 255	No function

### 1Cell Personalities

XY Ext. 11ch / XY 6ch

XY	Ext.	Function	Value	Percent/Setting
1	1	Dimmer	000 ⇔ 255	0–100%
–	2	Fine dimmer	000 ⇔ 255	0–100%
2	3	X coordinate	000 ⇔ 255	0–100%
–	4	Fine X coordinate	000 ⇔ 255	0–100%
3	5	Y coordinate	000 ⇔ 255	0–100%
–	6	Fine Y coordinate	000 ⇔ 255	0–100%
–	7	Strobe	000 ⇔ 255	See the <a href="#">Strobe Chart</a>
–	8	Virtual Color Wheel	000 ⇔ 255	See the <a href="#">Virtual Color Wheel Chart</a>
4	9	Control	000 ⇔ 255	See the <a href="#">Control Chart</a>
5	10	Indicator dimmer	000 ⇔ 255	0–100%
6	11	Indicator color	000 ⇔ 005	No functon
			006 ⇔ 010	Red
			011 ⇔ 015	Green
			016 ⇔ 020	Blue
			021 ⇔ 025	Yellow
			026 ⇔ 030	Purple
			031 ⇔ 035	Cyan
			036 ⇔ 040	White
			041 ⇔ 255	No function

### RGB 5ch - RGBWL Full 21ch

21: RGBWL Full 21ch, 14: RGBWL Ext. 14ch, 13: RGBW Ext. 13ch, 12B: RGB Ext. 12ch, 12A: RGBWL 16-bit 12ch, 7: RGBWL 7ch, 6: RGBW 6ch, 5: RGB 5ch

5	6	7	12A	12B	13	14	21	Function	Value	Percent/Setting
–	–	–	–	1	1	1	1	Dimmer	000 ⇔ 255	0–100%
–	–	–	–	–	–	–	2	Fine dimmer	000 ⇔ 255	0–100%
1	1	1	1	2	2	2	3	Red 1	000 ⇔ 255	0–100%
–	–	–	2	–	–	–	4	Fine red 1	000 ⇔ 255	0–100%
2	2	2	3	3	3	3	5	Green 1	000 ⇔ 255	0–100%
–	–	–	4	–	–	–	6	Fine green 1	000 ⇔ 255	0–100%
3	3	3	5	4	4	4	7	Blue 1	000 ⇔ 255	0–100%
–	–	–	6	–	–	–	8	Fine blue 1	000 ⇔ 255	0–100%
–	4	4	7	–	5	5	9	Warm white 1	000 ⇔ 255	0–100%
–	–	–	8	–	–	–	10	Fine warm white	000 ⇔ 255	0–100%

5	6	7	12A	12B	13	14	21	Function	Value	Percent/Setting
-	-	5	9	-	-	6	11	Lime 1	000 ⇄ 255	0–100%
-	-	-	10	-	-	-	12	Fine lime	000 ⇄ 255	0–100%
-	-	-	-	5	6	7	13	Color temperature	000 ⇄ 255	See the <a href="#">Color Temperature Chart</a>
-	-	-	-	-	-	-	14	Fine color temp.	000 ⇄ 255	Fine CCT adjust
-	-	-	-	6	7	8	15	Tint (Default to 128)	000 ⇄ 255	-25–+25% green
-	-	-	-	7	8	9	16	Blend CCT with RGBWwL mix (Default to 255)	000 001 ⇄ 126 127 ⇄ 128 129 ⇄ 254 255	100% color temperature control 99–51% CCT, 1–49% RGBWwL 50% CCT, 50% RGBWwL mix 49–1% CCT, 51–99% RGBWwL 100% RGBWwL mix
-	-	-	-	8	9	10	17	Strobe	000 ⇄ 255	See the <a href="#">Strobe Chart</a>
-	-	-	-	9	10	11	18	Virtual Color Wheel	000 ⇄ 255	See the <a href="#">Virtual Color Wheel Chart</a>
-	-	-	-	10	11	12	19	Control	000 ⇄ 255	See the <a href="#">Control Chart</a>
4	5	6	11	11	12	13	20	Indicator dimmer	000 ⇄ 255	0–100%
5	6	7	12	12	13	14	21	Indicator color	000 ⇄ 005 006 ⇄ 010 011 ⇄ 015 016 ⇄ 020 021 ⇄ 025 026 ⇄ 030 031 ⇄ 035 036 ⇄ 040 041 ⇄ 255	No function Red Green Blue Yellow Purple Cyan White No function

HSV 6ch

Channel	Function	Value	Percent/Setting
1	Hue 1	000 ⇄ 255	0–100%
2	Saturation 1	000 ⇄ 255	0–100%
3	Value 1	000 ⇄ 255	0–100%
4	Control	000 ⇄ 255	See the <a href="#">Control Chart</a>
5	Indicator dimmer	000 ⇄ 255	0–100%
6	Indicator color	000 ⇄ 005 006 ⇄ 010 011 ⇄ 015 016 ⇄ 020 021 ⇄ 025 026 ⇄ 030 031 ⇄ 035 036 ⇄ 040 041 ⇄ 255	No function Red Green Blue Yellow Purple Cyan White No function

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### CCT 6ch

Channel	Function	Value	Percent/Setting
1	Dimmer 1	000 ⇄ 255	0–100%
2	Color temperature 1	000 ⇄ 255	See the <a href="#">Color Temperature Chart</a>
3	Tint 1 (Default to 128)	000 ⇄ 255	-25–+25% green
4	Control	000 ⇄ 255	See the <a href="#">Control Chart</a>
5	Indicator dimmer	000 ⇄ 255	0–100%
6	Indicator color	000 ⇄ 005	No function
		006 ⇄ 010	Red
		011 ⇄ 015	Green
		016 ⇄ 020	Blue
		021 ⇄ 025	Yellow
		026 ⇄ 030	Purple
		031 ⇄ 035	Cyan
		036 ⇄ 040	White
		041 ⇄ 255	No function