Virtual Color Wheel

The COLORado Solo Pod E 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 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	DMX Value	Display Readout
000 ⇔ 005	**--**	131 ⇔ 138	**C6020–Lt Lavender**
006 ⇔ 013	**C3050–Md Yellow**	139 ⇔ 146	**C5030–Lt Blue**
014 ⇔ 021	**C3040–Lt Yellow**	147 ⇔ 154	**C5020–VLt Blue**
022 ⇔ 028	**C3240–Amb Yellow**	155 ⇔ 162	**C5430–Lt Blue2**
029 ⇔ 035	**C2340–VLt Amber**	163 ⇔ 170	**C5070–Blue**
036 ⇔ 043	**C2040–Lt Amber**	171 ⇔ 178	**C5050–Md Blue**
044 ⇔ 051	**C2050–Md Amber**	179 ⇔ 186	**C5060–Dk Blue**
052 ⇔ 059	**C2060–Dk Amber**	187 ⇔ 194	**C5690–Indigo**
060 ⇔ 067	**C1050–Lt Red**	195 ⇔ 202	**C5080–VDk Blue**
068 ⇔ 075	**C1080–Md Red**	203 ⇔ 210	**C5081–VDk Blue2**
076 ⇔ 083	**C1020–NC Pink**	211 ⇔ 218	**C4370–Yel Green**
084 ⇔ 091	**C1030–Md Pink**	219 ⇔ 226	**C4070–Green**
092 ⇔ 099	**C1630–Dk Pink**	227 ⇔ 234	**C4550–Turquoise**
100 ⇔ 107	**C1250–Md Red Amber**	235 ⇔ 242	**C4560–Aqua**
108 ⇔ 115	**C1060–Dk Red Amber**	243 ⇔ 250	**C4570–Blue Green**
116 ⇔ 121	**C1650–Magenta**	251 ⇔ 255	**--**
122 ⇔ 130	**C6170–Dk Magenta**		

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

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 005	No function	083 ⇔ 089	3900–3999K	167 ⇔ 173	5100–5199K
006 ⇔ 012	2800–2899K	090 ⇔ 096	4000–4099K	174 ⇔ 180	5200–5299K
013 ⇔ 019	2900–2999K	097 ⇔ 103	4100–4199K	181 ⇔ 187	5300–5399K
020 ⇔ 026	3000–3099K	104 ⇔ 110	4200–4299K	188 ⇔ 194	5400–5499K
027 ⇔ 033	3100–3199K	111 ⇔ 117	4300–4399K	195 ⇔ 201	5500–5599K
034 ⇔ 040	3200–3299K	118 ⇔ 124	4400–4499K	202 ⇔ 208	5600–5699K
041 ⇔ 047	3300–3399K	125 ⇔ 131	4500–4599K	209 ⇔ 215	5700–5799K
048 ⇔ 054	3400–3499K	132 ⇔ 138	4600–4699K	216 ⇔ 222	6000–6499K
055 ⇔ 061	3500–3599K	139 ⇔ 145	4700–4799K	223 ⇔ 229	6500–6999K
062 ⇔ 068	3600–3699K	146 ⇔ 152	4800–4899K	230 ⇔ 236	7000–7499K
069 ⇔ 075	3700–3799K	153 ⇔ 159	4900–4999K	237 ⇔ 243	7500–7999K
076 ⇔ 082	3800–3899K	160 ⇔ 166	5000–5099K	244 ⇔ 255	8000K

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
000 ⇔ 007	No function
008 ⇔ 015	Reset dimmer
016 ⇔ 023	Red shift on
024 ⇔ 031	Red shift off
032 ⇔ 039	S-curve dimmer
040 ⇔ 047	Linear dimmer
048 ⇔ 055	Square dimmer
056 ⇔ 063	Inverse square dimmer
064 ⇔ 071	Dimmer mode off
072 ⇔ 079	Dimmer mode 1 (fast)
080 ⇔ 087	Dimmer mode 2
088 ⇔ 095	Dimmer mode 3 (slow)
096 ⇔ 103	Fan mode auto
104 ⇔ 111	Fan mode on
112 ⇔ 119	Fan mode off
120 ⇔ 127	Fan mode silent
128 ⇔ 135	Fan TV25
136 ⇔ 143	X-Fade speed off
144 ⇔ 151	X-Fade speed 1
152 ⇔ 159	X-Fade speed 2
160 ⇔ 167	X-Fade speed 3
168 ⇔ 172	X-Fade speed 4
173 ⇔ 177	PWM frequency 750 Hz
178 ⇔ 182	PWM frequency 1200 Hz
183 ⇔ 187	PWM frequency 2000 Hz
188 ⇔ 192	PWM frequency 4000 Hz
193 ⇔ 197	PWM frequency 6000 Hz
198 ⇔ 202	PWM frequency 25000 Hz
203 ⇔ 255	Reserved for future use

16 Ch

Channel	Function	Value	Percent/Setting
1	**Dimmer**	000 ⇔ 255	0–100%
2	**Fine dimmer**	000 ⇔ 255	0–100%
3	**Red**	000 ⇔ 255	0–100%
4	**Fine red**	000 ⇔ 255	0–100%
5	**Green**	000 ⇔ 255	0–100%
6	**Fine green**	000 ⇔ 255	0–100%
7	**Blue**	000 ⇔ 255	0–100%
8	**Fine blue**	000 ⇔ 255	0–100%
9	**Lime**	000 ⇔ 255	0–100%
10	**Fine Lime**	000 ⇔ 255	0–100%
11	**Strobe**	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
12	**Color macro**	000 ⇔ 255	See the Virtual Color Wheel Chart
13	**Color temperature**	000 ⇔ 255	See the
14	**Hue**	000	0
		001 ⇔ 255	-25–25
15	**Control**	000 ⇔ 255	See the Control Chart
16	**Frost**	000 ⇔ 255	0–100%

13 Ch

Channel	Function	Value	Percent/Setting
1	**Dimmer**	000 ⇔ 255	0–100%
2	**Red**	000 ⇔ 255	0–100%
3	**Green**	000 ⇔ 255	0–100%
4	**Blue**	000 ⇔ 255	0–100%
5	**Lime**	000 ⇔ 255	0–100%
6	**Strobe**	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
7	**Color macro**	000 ⇔ 255	See the Virtual Color Wheel Chart
8	**Color temperature**	000 ⇔ 255	See the
9	**Hue**	000	0
		001 ⇔ 255	-25–25
10	**Auto programs**	000 ⇔ 010	No function
		011 ⇔ 060	Auto program 1
		061 ⇔ 110	Auto program 2
		111 ⇔ 160	Auto program 3
		161 ⇔ 210	Auto program 4
		211 ⇔ 255	Auto program 5 (programs 1-4)
11	**Auto speed**	000 ⇔ 255	Auto speed, slow to fast
12	**Control**	000 ⇔ 255	See the Control Chart
13	**Frost**	000 ⇔ 255	0–100%

12 Ch

Channel	Function	Value	Percent/Setting
1	**Dimmer**	000 ⇔ 255	0–100%
2	**Fine dimmer**	000 ⇔ 255	0–100%
3	**Red**	000 ⇔ 255	0–100%
4	**Fine red**	000 ⇔ 255	0–100%
5	**Green**	000 ⇔ 255	0–100%
6	**Fine green**	000 ⇔ 255	0–100%
7	**Blue**	000 ⇔ 255	0–100%
8	**Fine blue**	000 ⇔ 255	0–100%
9	**Lime**	000 ⇔ 255	0–100%
10	**Fine Lime**	000 ⇔ 255	0–100%
11	**Strobe**	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
12	**Frost**	000 ⇔ 255	0–100%

11 Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Fine dimmer	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Green	000 ⇔ 255	0–100%
5	Blue	000 ⇔ 255	0–100%
6	Lime	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
8	Color macro	000 ⇔ 255	See the Virtual Color Wheel Chart
9	Color temperature	000 ⇔ 255	See the
10	Hue	000 001 ⇔ 255	0 -25–25
11	Frost	000 ⇔ 255	0–100%

7 Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Red	000 ⇔ 255	0–100%
3	Green	000 ⇔ 255	0–100%
4	Blue	000 ⇔ 255	0–100%
5	Lime	000 ⇔ 255	0–100%
6	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
7	Frost	000 ⇔ 255	0–100%

5 Ch2

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	0–100%
2	Green	000 ⇔ 255	0–100%
3	Blue	000 ⇔ 255	0–100%
4	Lime	000 ⇔ 255	0–100%
5	Frost	000 ⇔ 255	0–100%

5 Ch1

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Color macro	000 ⇔ 255	See the Virtual Color Wheel Chart
3	Color temperature	000 ⇔ 255	See the
4	Hue	000 001 ⇔ 255	0 -25–25
5	Frost	000 ⇔ 255	0–100%

Hue

Channel	Function	Value	Percent/Setting
1	**Hue**	000 ⇔ 255	0–100%
2	**Saturation**	000 ⇔ 255	0–100%
3	**Value**	000 ⇔ 255	0–100%
4	**Frost**	000 ⇔ 255	0–100%

1Ch

Channel	Function	Value	Percent/Setting
1	**Dimmer**	000 ⇔ 255	0–100% (color set through display menu)