

## Virtual Color Wheel

The Ovation CYC 1FC 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 Channel Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005	--	000	000	000	000	000
006 ⇔ 013	<b>C3050 - Md Yellow</b>	233	163	020	123	255
014 ⇔ 021	<b>C3040 - Lt Yellow</b>	224	158	047	255	231
022 ⇔ 028	<b>C3240 - Amb Yellow</b>	180	060	000	245	255
029 ⇔ 035	<b>C2340 - VLt Amber</b>	245	107	081	255	213
036 ⇔ 043	<b>C2040 - Lt Amber</b>	230	130	062	255	155
044 ⇔ 051	<b>C2050 - Md Amber</b>	255	000	025	255	194
052 ⇔ 059	<b>C2060 - Dk Amber</b>	255	000	024	255	150
060 ⇔ 067	<b>C1050 - Lt Red</b>	255	037	027	030	038
068 ⇔ 075	<b>C1080 - Md Red</b>	255	004	017	000	000
076 ⇔ 083	<b>C1020 - NC Pink</b>	238	135	129	255	255
084 ⇔ 091	<b>C1030 - Md Pink</b>	255	131	120	255	195
092 ⇔ 099	<b>C1630 - Dk Pink</b>	255	165	123	255	210
100 ⇔ 107	<b>C1250 - Md Red Amber</b>	255	000	041	195	055
108 ⇔ 115	<b>C1060 - Dk Red Amber</b>	255	000	045	120	030
116 ⇔ 121	<b>C1650 - Magenta</b>	255	050	115	255	115
122 ⇔ 130	<b>C6170 - Dk Magenta</b>	255	035	117	000	000
131 ⇔ 138	<b>C6020 - Lt Lavender</b>	127	122	142	251	255
139 ⇔ 146	<b>C5030 - Lt Blue</b>	000	255	197	100	255
147 ⇔ 154	<b>C5020 - VLt Blue</b>	158	255	189	000	255
155 ⇔ 162	<b>C5430 - Lt Blue 2</b>	000	255	180	000	243
163 ⇔ 170	<b>C5070 - Blue</b>	043	255	210	043	036
171 ⇔ 178	<b>C5050 - Md Blue</b>	000	255	218	000	181
179 ⇔ 186	<b>C5060 - Dk Blue</b>	000	210	206	000	118
187 ⇔ 194	<b>C5690 - Indigo</b>	065	000	210	040	055
195 ⇔ 202	<b>C5080 - VDk Blue</b>	000	203	230	000	040
203 ⇔ 210	<b>C5081 - VDk Blue2</b>	040	199	240	000	045
211 ⇔ 218	<b>C4370 - Yel Green</b>	027	255	028	016	104
219 ⇔ 226	<b>C4070 - Green</b>	049	255	055	120	090
227 ⇔ 234	<b>C4550 - Turquoise</b>	060	230	109	000	245
235 ⇔ 242	<b>C4560 - Aqua</b>	020	240	126	036	255
243 ⇔ 250	<b>C4570 - Blue Green</b>	000	255	079	030	053
251 ⇔ 255	--	000	000	000	000	000



Note: 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 Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005	--	000	000	000	000	000
006 ⇔ 025	<b>2800K</b>	172	110	037	255	255
026 ⇔ 050	<b>3000K</b>	156	126	044	255	255
051 ⇔ 075	<b>3200K</b>	144	142	049	255	255
076 ⇔ 100	<b>3500K</b>	128	159	062	255	255
101 ⇔ 125	<b>4000K</b>	096	183	073	255	255
126 ⇔ 150	<b>4500K</b>	084	209	091	255	255
151 ⇔ 175	<b>5000K</b>	074	221	109	255	255
176 ⇔ 200	<b>5600K</b>	064	244	126	255	255
201 ⇔ 225	<b>6000K</b>	059	255	137	255	255
226 ⇔ 250	<b>6500K</b>	050	255	148	255	255
251 ⇔ 255	--	000	000	000	000	000



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

# DMX CHART



[www.chauvetprofessional.com](http://www.chauvetprofessional.com)

## DMX Values

### HSV

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

### 16Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Red Fine	000 ⇔ 255	0–100%
5	Green	000 ⇔ 255	0–100%
6	Green Fine	000 ⇔ 255	0–100%
7	Blue	000 ⇔ 255	0–100%
8	Blue Fine	000 ⇔ 255	0–100%
9	Amber	000 ⇔ 255	0–100%
10	Amber Fine	000 ⇔ 255	0–100%
11	Lime	000 ⇔ 255	0–100%
12	Lime Fine	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
14	Virtual Color Wheel	000 ⇔ 255	Refer to the <a href="#">Virtual Color Wheel Chart</a> section for specific values
15	Color Temperature	000 ⇔ 255	Refer to the <a href="#">Color Temperature Chart</a> section for specific values
16	Control (hold for 3 seconds)	000 ⇔ 007	No function
		008 ⇔ 015	Dimmer reset
		016 ⇔ 023	Red shift on
		024 ⇔ 031	Red shift off
		032 ⇔ 039	S-curve dimmer
		040 ⇔ 047	Linear dimmer
		048 ⇔ 055	Index dimmer curve
		056 ⇔ 063	Logarithmic dimmer curve
		064 ⇔ 071	Dimmer speed mode OFF
		072 ⇔ 079	Dimmer speed 1 (fastest)
		080 ⇔ 087	Dimmer speed 2
088 ⇔ 095	Dimmer speed 3 (slowest)		
		096 ⇔ 255	Reserved for future use

## 13Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%
2	Dimmer Fine	000 ⇄ 255	0–100%
3	Red	000 ⇄ 255	0–100%
4	Red Fine	000 ⇄ 255	0–100%
5	Green	000 ⇄ 255	0–100%
6	Green Fine	000 ⇄ 255	0–100%
7	Blue	000 ⇄ 255	0–100%
8	Blue Fine	000 ⇄ 255	0–100%
9	Amber	000 ⇄ 255	0–100%
10	Amber Fine	000 ⇄ 255	0–100%
11	Lime	000 ⇄ 255	0–100%
12	Lime Fine	000 ⇄ 255	0–100%
13	Strobe	000 ⇄ 010	No function
		011 ⇄ 255	Strobe, slow to fast

## 12Ch

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	Amber	000 ⇄ 255	0–100%
6	Lime	000 ⇄ 255	0–100%
7	Strobe	000 ⇄ 010	No function
		011 ⇄ 255	Strobe, slow to fast
8	Virtual Color Wheel	000 ⇄ 255	Refer to the <a href="#">Virtual Color Wheel Chart</a> section for specific values
9	Color Temperature	000 ⇄ 255	Refer to the <a href="#">Color Temperature Chart</a> section for specific values
10	Auto Program	000 ⇄ 010	No function
		011 ⇄ 060	Auto 1
		061 ⇄ 110	Auto 2
		111 ⇄ 160	Auto 3
		161 ⇄ 210	Auto 4
		211 ⇄ 255	Auto 5 (Auto 1–4)
11	Auto Speed	000 ⇄ 255	Auto speed, slow to fast
12	Control (hold for 3 seconds)	000 ⇄ 007	No function
		008 ⇄ 015	Dimmer reset
		016 ⇄ 023	Red shift on
		024 ⇄ 031	Red shift off
		032 ⇄ 039	S-curve dimmer
		040 ⇄ 047	Linear dimmer
		048 ⇄ 055	Index dimmer curve
		056 ⇄ 063	Logarithmic dimmer curve
		064 ⇄ 071	Dimmer speed mode OFF
		072 ⇄ 079	Dimmer speed 1 (fastest)
		080 ⇄ 087	Dimmer speed 2
		088 ⇄ 095	Dimmer speed 3 (slowest)
		096 ⇄ 255	Reserved for future use

# DMX CHART



[www.chauvetprofessional.com](http://www.chauvetprofessional.com)

## 10Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Green	000 ⇔ 255	0–100%
5	Blue	000 ⇔ 255	0–100%
6	Amber	000 ⇔ 255	0–100%
7	Lime	000 ⇔ 255	0–100%
8	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	Virtual Color Wheel	000 ⇔ 255	Refer to the <a href="#">Virtual Color Wheel Chart</a> section for specific values
10	Color Temperature	000 ⇔ 255	Refer to the <a href="#">Color Temperature Chart</a> section for specific values

## 7Ch

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	Amber	000 ⇔ 255	0–100%
6	Lime	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

## 5Ch

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

## 3Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Virtual Color Wheel	000 ⇔ 255	Refer to the <a href="#">Virtual Color Wheel Chart</a> section for specific values
3	Color Temperature	000 ⇔ 255	Refer to the <a href="#">Color Temperature Chart</a> section for specific values

## 1 Ch

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