

Virtual Color Wheel

The Ovation CYC 1FC includes a feature called the Virtual Color Wheel (VCW). This feature is available as a stand-alone control mode for manual use and also as a control channel in select DMX personalities. Over 30 pre-mixed colors, custom blended by our engineers, are available to call up for easier programming.

The DMX values used to mix these colors are provided below. You may adjust the overall intensity of the Ovation fixture in order to more closely replicate colors you are familiar with. A chart is available on our website www.chauvetprofessional.com to compare our pre-mixed colors with popular gel colors. This chart is for comparison purposes only and is not a representation that our pre-mixed colors match any of the gel colors listed.

Color Chart

DMX Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005	--	000	000	000	000	000
006 ⇔ 013	C3050 - Md Yellow	255	190	004	255	255
014 ⇔ 021	C3040 - Lt Yellow	255	111	011	255	255
022 ⇔ 028	C3240 - Amb Yellow	255	245	000	255	075
029 ⇔ 035	C2340 - VLt Amber	255	010	033	255	255
036 ⇔ 043	C2040 - Lt Amber	255	008	023	255	204
044 ⇔ 051	C2050 - Md Amber	255	000	003	255	172
052 ⇔ 059	C2060 - Dk Amber	255	000	003	255	110
060 ⇔ 067	C1050 - Lt Red	255	000	005	044	000
068 ⇔ 075	C1080 - Md Red	255	000	002	000	000
076 ⇔ 083	C1020 - NC Pink	255	105	074	255	255
084 ⇔ 091	C1030 - Md Pink	255	000	074	255	247
092 ⇔ 099	C1630 - Dk Pink	255	060	075	255	255
100 ⇔ 107	C1250 - Md Red Amber	255	000	010	255	008
108 ⇔ 115	C1060 - Dk Red Amber	255	000	012	096	000
116 ⇔ 121	C1650 - Magenta	255	000	062	255	082
122 ⇔ 130	C6170 - Dk Magenta	255	000	074	020	000
131 ⇔ 138	C6020 - Lt Lavender	255	255	118	255	199
139 ⇔ 146	C5030 - Lt Blue	000	255	171	040	255
147 ⇔ 154	C5020 - VLt Blue	000	255	180	224	255
155 ⇔ 162	C5430 - Lt Blue 2	000	255	148	000	226
163 ⇔ 170	C5070 - Blue	000	255	216	000	000
171 ⇔ 178	C5050 - Md Blue	000	255	212	000	113
179 ⇔ 186	C5060 - Dk Blue	000	242	255	000	053
187 ⇔ 194	C5690 - Indigo	026	039	255	000	000
195 ⇔ 202	C5080 - VDk Blue	000	200	255	000	000
203 ⇔ 210	C5081 - VDk Blue 2	000	180	255	000	000
211 ⇔ 218	C4370 - Yel Green	000	255	005	000	045
219 ⇔ 226	C4070 - Green	000	255	025	000	147
227 ⇔ 234	C4550 - Turquoise	000	172	056	000	255
235 ⇔ 242	C4560 - Aqua	000	210	072	000	255
243 ⇔ 250	C4570 - Blue Green	000	255	030	000	005
251 ⇔ 255	--	000	000	000	000	000



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


DMX CHART



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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	2800K	172	110	037	255	255
026 ⇄ 050	3000K	156	126	044	255	255
051 ⇄ 075	3200K	144	142	049	255	255
076 ⇄ 100	3500K	128	159	062	255	255
101 ⇄ 125	4000K	096	183	073	255	255
126 ⇄ 150	4500K	084	209	091	255	255
151 ⇄ 175	5000K	074	221	109	255	255
176 ⇄ 200	5600K	064	244	126	255	255
201 ⇄ 225	6000K	059	255	137	255	255
226 ⇄ 250	6500K	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 Values

16 Ch

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 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
14	Virtual Color Wheel	000 ⇄ 255	Refer to the Virtual Color Wheel Chart section for specific values
15	Color Temperature	000 ⇄ 005 006 ⇄ 025 026 ⇄ 050 051 ⇄ 075 076 ⇄ 100 101 ⇄ 125 126 ⇄ 150 151 ⇄ 175 176 ⇄ 200 201 ⇄ 225 226 ⇄ 250 251 ⇄ 255	No function 2800K 3000K 3200K 3500K 4000K 4500K 5000K 5600K 6000K 6500K No function
16	Red Shift On/Off	000 ⇄ 010 011 ⇄ 127 128 ⇄ 255	No function On Off

14 Ch

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	Red Shift On/Off	000 ⇔ 010	No function
		011 ⇔ 127	On
		128 ⇔ 255	Off

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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	Amber	000 ⇔ 255	0–100%
6	Lime	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
8	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart section for specific values
9	Color Temperature	000 ⇔ 005	No function
		006 ⇔ 025	2800K
		026 ⇔ 050	3000K
		051 ⇔ 075	3200K
		076 ⇔ 100	3500K
		101 ⇔ 125	4000K
		126 ⇔ 150	4500K
		151 ⇔ 175	5000K
		176 ⇔ 200	5600K
		201 ⇔ 225	6000K
226 ⇔ 250	6500K		
251 ⇔ 255	No function		
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	Dimmer Speed Mode	000 ⇔ 051	Preset dimmer speed from display menu
		052 ⇔ 101	Dimmer speed mode off (linear dimmer)
		102 ⇔ 152	Dimmer speed mode 1 (fastest)
		153 ⇔ 203	Dimmer speed mode 2
204 ⇔ 255	Dimmer speed mode 3 (slowest)		
13	Red Shift On/Off	000 ⇔ 010	No function
		011 ⇔ 127	On
		128 ⇔ 255	Off

11 Ch

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 Virtual Color Wheel Chart section for specific values
10	Color Temperature	000 ⇄ 005 006 ⇄ 025 026 ⇄ 050 051 ⇄ 075 076 ⇄ 100 101 ⇄ 125 126 ⇄ 150 151 ⇄ 175 176 ⇄ 200 201 ⇄ 225 226 ⇄ 250 251 ⇄ 255	No function 2800K 3000K 3200K 3500K 4000K 4500K 5000K 5600K 6000K 6500K No function
11	Red Shift On/Off	000 ⇄ 010 011 ⇄ 127 128 ⇄ 255	No function On Off

8 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	Amber	000 ⇄ 255	0–100%
6	Lime	000 ⇄ 255	0–100%
7	Strobe	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
8	Red Shift On/Off	000 ⇄ 010 011 ⇄ 127 128 ⇄ 255	No function On Off

5 Ch

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%

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4 Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart section for specific values
3	Color Temperature	000 ⇔ 005	No function
		006 ⇔ 025	2800K
		026 ⇔ 050	3000K
		051 ⇔ 075	3200K
		076 ⇔ 100	3500K
		101 ⇔ 125	4000K
		126 ⇔ 150	4500K
		151 ⇔ 175	5000K
		176 ⇔ 200	5600K
		201 ⇔ 225	6000K
		226 ⇔ 250	6500K
		251 ⇔ 255	No function
4	Red Shift On/Off	000 ⇔ 010	No function
		011 ⇔ 127	On
		128 ⇔ 255	Off

2 Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Red Shift On/Off	000 ⇔ 010	No function
		011 ⇔ 127	On
		128 ⇔ 255	Off

HSV

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