

# DMX CHART



## Ovation E-2FC

### Virtual Color Wheel

The Ovation E-2FC 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	Amber	Lime
000 ⇄ 005	--	--	--	--	--	--
006 ⇄ 013	<b>C3050 - Md Yellow</b>	255	225	000	255	037
014 ⇄ 021	<b>C3040 - Lt Yellow</b>	255	177	003	255	037
022 ⇄ 028	<b>C3240 - Amb Yellow</b>	255	220	000	255	000
029 ⇄ 035	<b>C2340 - VLt Amber</b>	195	000	015	255	057
036 ⇄ 043	<b>C2040 - Lt Amber</b>	255	000	011	255	061
044 ⇄ 051	<b>C2050 - Md Amber</b>	255	053	000	255	017
052 ⇄ 059	<b>C2060 - Dk Amber</b>	255	008	000	255	017
060 ⇄ 067	<b>C1050 - Lt Red</b>	255	000	003	014	000
068 ⇄ 075	<b>C1080 - Md Red</b>	255	000	002	000	000
076 ⇄ 083	<b>C1020 - NC Pink</b>	255	075	062	255	073
084 ⇄ 091	<b>C1030 - Md Pink</b>	255	075	057	255	041
092 ⇄ 099	<b>C1630 - Dk Pink</b>	218	077	057	255	061
100 ⇄ 107	<b>C1250 - Md Red Amber</b>	255	000	009	168	000
108 ⇄ 115	<b>C1060 - Dk Red Amber</b>	255	005	009	036	000
116 ⇄ 121	<b>C1650 - Magenta</b>	255	003	062	255	012
122 ⇄ 130	<b>C6170 - Dk Magenta</b>	255	000	055	000	000
131 ⇄ 138	<b>C6020 - Lt Lavender</b>	255	220	093	255	044
139 ⇄ 146	<b>C5030 - Lt Blue</b>	000	255	159	112	078
147 ⇄ 154	<b>C5020 - VLt Blue</b>	000	215	145	196	065
155 ⇄ 162	<b>C5430 - Lt Blue2</b>	000	215	132	52	092
163 ⇄ 170	<b>C5070 - Blue</b>	000	195	188	000	019
171 ⇄ 178	<b>C5050 - Md Blue</b>	000	163	190	000	068
179 ⇄ 186	<b>C5060 - Dk Blue</b>	000	128	193	000	038
187 ⇄ 194	<b>C5690 - Indigo</b>	053	009	255	000	000
195 ⇄ 202	<b>C5080 - VDK Blue</b>	007	084	116	000	000
203 ⇄ 210	<b>C5081 - VDK Blue2</b>	011	082	139	000	000
211 ⇄ 218	<b>C4370 - Yel Green</b>	000	255	002	025	000
219 ⇄ 226	<b>C4070 - Green</b>	000	255	009	000	175
227 ⇄ 234	<b>C4550 - Turquoise</b>	000	255	087	096	255
235 ⇄ 242	<b>C4560 - Aqua</b>	000	255	098	044	255
243 ⇄ 250	<b>C4570 - Blue Green</b>	000	255	026	008	000
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	Color Temperature	Red	Green	Blue	Amber	Lime
000 ⇔ 005	No function					
006	2800K	253	000	025	255	145
007 ⇔ 012	2801–2899K					
013	2900K	253	003	028	255	153
014 ⇔ 019	2901–2999K					
020	3000K	251	005	033	255	161
021 ⇔ 026	3001–3099K					
027	3100K	248	007	036	255	169
028 ⇔ 033	3101–3199K					
034	3200K	245	009	045	255	173
035 ⇔ 040	3201–3299K					
041	3300K	242	013	047	255	182
042 ⇔ 047	3301–3399K					
048	3400K	237	022	053	255	185
049 ⇔ 054	3401–3499K					
055	3500K	230	030	058	255	185
056 ⇔ 061	3501–3599K					
062	3600K	225	040	064	255	185
063 ⇔ 068	3601–3699K					
069	3700K	221	048	070	255	185
070 ⇔ 075	3701–3799K					
076	3800K	220	048	074	255	197
077 ⇔ 082	3801–3899K					
083	3900K	220	050	079	255	203
084 ⇔ 089	3901–3999K					
090	4000K	210	058	084	255	203
091 ⇔ 096	4001–4099K					
097	4100K	205	063	088	255	203
098 ⇔ 103	4101–4199K					
104	4200K	199	068	095	255	204
105 ⇔ 110	4201–4299K					
111	4300K	189	069	098	255	204
112 ⇔ 117	4301–4399K					
118	4400K	183	071	103	255	204
119 ⇔ 124	4401–4499K					
125	4500K	174	078	107	255	204
126 ⇔ 131	4501–4599K					
132	4600K	170	080	112	255	204
133 ⇔ 138	4601–4699K					
139	4700K	166	089	119	255	204
140 ⇔ 145	4701–4799K					
146	4800K	164	098	123	255	203
147 ⇔ 152	4801–4899K					
153	4900K	163	100	129	255	205
154 ⇔ 159	4901–4999K					
160	5000K	163	103	137	255	206
161 ⇔ 166	5001–5099K					

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DMX Value	Color Temperature	Red	Green	Blue	Amber	Lime
167	5100K	163	108	142	255	208
168 ⇄ 173	5101–5199K					
174	5200K	163	116	147	255	208
175 ⇄ 180	5201–5299K					
181	5300K	163	118	156	255	210
182 ⇄ 187	5301–5399K					
188	5400K	162	122	162	255	216
189 ⇄ 194	5401–5499K					
195	5500K	162	124	166	255	224
196 ⇄ 201	5501–5599K					
202	5600K	162	127	172	255	229
203 ⇄ 208	5601–5699K					
209	5700K	159	127	177	255	231
210 ⇄ 215	5701–5999					
216	6000K	158	134	192	241	231
217 ⇄ 222	6001–6499K					
223	6500K	152	152	206	225	231
224 ⇄ 229	6501–6999K					
230	7000K	144	157	224	218	231
231 ⇄ 236	7001–7499K					
237	7500K	127	172	238	218	231
238 ⇄ 243	7501–7999K					
244 ⇄ 255	8000K	122	175	255	200	231



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

### 17 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	Virtual color wheel	000 ⇔ 255	See <a href="#">Virtual Color Wheel Chart</a>
15	Color temperature	000 ⇔ 255	See <a href="#">Color Temperature Chart</a>
16	Hue	000	0
		001 ⇔ 255	-25–25
17	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	Square dimmer curve
		056 ⇔ 063	Inverse square 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 ⇔ 103	Fan auto
		104 ⇔ 111	Fan on
		112 ⇔ 119	Fan off
120 ⇔ 127	Fan silent		
128 ⇔ 255	Reserved for future use		

## DMX CHART



### Ovation E-2FC

#### 13 Ch2

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

#### 13 Ch1

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	See <a href="#">Virtual Color Wheel Chart</a>
9	Color temperature	000 ⇔ 255	See <a href="#">Color Temperature Chart</a>
10	Hue	000	0
		001 ⇔ 255	-25–25
11	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		
12	Auto speed	000 ⇔ 255	Auto speed, slow to fast

Channel	Function	Value	Percent/Setting
13	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	Square dimmer curve
		056 ⇔ 063	Inverse square 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 ⇔ 103	Fan auto
		104 ⇔ 111	Fan on
		112 ⇔ 119	Fan off
120 ⇔ 127	Fan silent		
128 ⇔ 255	Reserved for future use		

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	No function
		011 ⇔ 255	Strobe, slow to fast
9	Virtual color wheel	000 ⇔ 255	See <a href="#">Virtual Color Wheel Chart</a>
10	Color temperature	000 ⇔ 255	See <a href="#">Color Temperature Chart</a>
11	Hue	000	0
		001 ⇔ 255	-25–25

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

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### Ovation E-2FC

#### 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%

#### 4 Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Virtual color wheel	000 ⇔ 255	See <a href="#">Virtual Color Wheel Chart</a>
3	Color temperature	000 ⇔ 255	See <a href="#">Color Temperature Chart</a>
4	Hue	000 001 ⇔ 255	0 -25–25

#### HSV

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

#### 1 Ch

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