

Virtual Color Wheel

The Ovation H-55FC 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 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. Adjust the overall intensity of the Ovation fixture in order to more closely replicate familiar colors. 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.

Virtual Color Wheel Chart

DMX Value	Color	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005		000	000	000	000	000
006 ⇔ 013	C3050-Md Yellow	210	255	003	255	157
014 ⇔ 021	C3040-Lt Yellow	244	167	010	216	213
022 ⇔ 028	C3240-Amb Yellow	208	105	000	255	234
029 ⇔ 035	C2340-VLt Amber	254	049	026	255	255
036 ⇔ 043	C2040-Lt Amber	255	046	020	255	255
044 ⇔ 051	C2050-Md Amber	255	027	002	255	126
052 ⇔ 059	C2060-Dk Amber	255	008	002	255	098
060 ⇔ 067	C1050-Lt Red	255	021	003	000	000
068 ⇔ 075	C1080-Md Red	255	000	001	000	000
076 ⇔ 083	C1020-NC Pink	255	255	051	255	016
084 ⇔ 091	C1030-Md Pink	255	205	051	255	000
092 ⇔ 099	C1630-Dk Pink	255	148	060	255	214
100 ⇔ 107	C1250-Md Red Amber	255	000	008	255	004
108 ⇔ 115	C1060-Dk Red Amber	255	000	011	110	000
116 ⇔ 121	C1650-Magenta	255	052	050	255	041
122 ⇔ 130	C6170-Dk Magenta	255	000	075	034	000
131 ⇔ 138	C6020-Lt Lavender	090	117	077	255	255
139 ⇔ 146	C5030-Lt Blue	000	255	123	006	255
147 ⇔ 154	C5020-VLt Blue	023	255	126	061	255
155 ⇔ 162	C5430-Lt Blue2	000	255	116	000	255
163 ⇔ 170	C5070-Blue	000	255	139	000	033
171 ⇔ 178	C5050-Md Blue	000	255	128	048	033
179 ⇔ 186	C5060-Dk Blue	000	255	174	000	039
187 ⇔ 194	C5690-Indigo	002	024	255	055	001
195 ⇔ 202	C5080-VDk Blue	000	255	229	000	000
203 ⇔ 210	C5081-VdK Blue2	000	237	255	000	024
211 ⇔ 218	C4370-Yel Green	000	255	005	017	010
219 ⇔ 226	C4070-Green	042	255	010	010	001
227 ⇔ 234	C4550-Turquoise	000	255	046	016	255
235 ⇔ 242	C4560-Aqua	015	255	053	017	167
243 ⇔ 250	C4570-Blue Green	000	255	025	000	028
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.

Color Temperature Chart

DMX Value	Color Temperature	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005		000	000	000	000	000
006 ⇔ 025	2800K	152	133	050	255	255
026 ⇔ 050	3000K	139	149	061	255	255
051 ⇔ 075	3200K	124	163	069	255	255
076 ⇔ 100	3500K	117	196	080	255	255
101 ⇔ 125	4000K	101	232	105	255	255
126 ⇔ 150	4500K	091	255	122	210	249
151 ⇔ 175	5000K	076	255	130	180	238
176 ⇔ 200	5600K	065	255	143	163	222
201 ⇔ 225	6000K	058	255	150	155	219
226 ⇔ 250	6500K	053	255	157	146	212
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

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	Fine Dimmer	000 ⇔ 255	0–100% (16-bit)
3	Red	000 ⇔ 255	0–100%
4	Fine red	000 ⇔ 255	0–100% (16-bit)
5	Green	000 ⇔ 255	0–100%
6	Fine green	000 ⇔ 255	0–100% (16-bit)
7	Blue	000 ⇔ 255	0–100%
8	Fine blue	000 ⇔ 255	0–100% (16-bit)
9	Amber	000 ⇔ 255	0–100%
10	Fine amber	000 ⇔ 255	0–100% (16-bit)
11	Lime	000 ⇔ 255	0–100%
12	Fine lime	000 ⇔ 255	0–100% (16-bit)
13	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
14	Virtual Color Wheel	000 ⇔ 255	See Virtual Color Wheel Chart
15	Color Temperature	000 ⇔ 255	See Color Temperature Chart

Channel	Function	Value	Percent/Setting
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	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 ⇔ 255	Reserved for future use

13Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Fine Dimmer	000 ⇔ 255	0–100% (16-bit)
3	Red	000 ⇔ 255	0–100%
4	Fine red	000 ⇔ 255	0–100% (16-bit)
5	Green	000 ⇔ 255	0–100%
6	Fine green	000 ⇔ 255	0–100% (16-bit)
7	Blue	000 ⇔ 255	0–100%
8	Fine blue	000 ⇔ 255	0–100% (16-bit)
9	Amber	000 ⇔ 255	0–100%
10	Fine amber	000 ⇔ 255	0–100% (16-bit)
11	Lime	000 ⇔ 255	0–100%
12	Fine lime	000 ⇔ 255	0–100% (16-bit)
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	See Virtual Color Wheel Chart
9	Color Temperature	000 ⇔ 255	See Color Temperature Chart
10	Automatic Program	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 (Auto programs 1-4)
11	Program Speed	000 ⇔ 255	Automatic program speed, slow to fast

Channel	Function	Value	Percent/Setting
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	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 ⇔ 255	Reserved for future use		

10Ch

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	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 Virtual Color Wheel Chart
10	Color Temperature	000 ⇔ 255	See Color Temperature Chart

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	No function
		011 ⇔ 255	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%