

DMX CHART



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Virtual Color Wheel

The Ovation E-910FC IP 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 on 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 Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005	--	--	--	--	--	--
006 ⇔ 013	C3050 - Md Yellow	233	163	20	123	255
014 ⇔ 021	C3040 - Lt Yellow	224	158	47	255	231
022 ⇔ 028	C3240 - Amb Yellow	180	60	0	245	255
029 ⇔ 035	C2340 - VLt Amber	245	107	81	255	213
036 ⇔ 043	C2040 - Lt Amber	230	130	62	255	155
044 ⇔ 051	C2050 - Md Amber	255	0	25	255	194
052 ⇔ 059	C2060 - Dk Amber	255	0	24	255	150
060 ⇔ 067	C1050 - Lt Red	255	37	27	30	38
068 ⇔ 075	C1080 - Md Red	255	4	17	0	0
076 ⇔ 083	C1020 - NC Pink	238	135	129	255	255
084 ⇔ 091	C1030 - Md Pink	255	131	120	255	195
092 ⇔ 099	C1630 - Dk Pink	250	165	123	255	210
100 ⇔ 107	C1250 - Md Red Amber	255	0	41	195	55
108 ⇔ 115	C1060 - Dk Red Amber	255	0	45	120	30
116 ⇔ 121	C1650 - Magenta	255	50	115	255	115
122 ⇔ 130	C6170 - Dk Magenta	255	35	117	0	0
131 ⇔ 138	C6020 - Lt Lavender	127	122	142	251	255
139 ⇔ 146	C5030 - Lt Blue	0	255	197	100	255
147 ⇔ 154	C5020 - VLt Blue	158	255	189	0	255
155 ⇔ 162	C5430 - Lt Blue2	0	255	180	0	243
163 ⇔ 170	C5070 - Blue	43	255	210	43	36
171 ⇔ 178	C5050 - Md Blue	0	255	218	0	181
179 ⇔ 186	C5060 - Dk Blue	0	210	206	0	118
187 ⇔ 194	C5690 - Indigo	65	0	210	40	55
195 ⇔ 202	C5080 - VDk Blue	0	203	230	0	40
203 ⇔ 210	C5081 - VDk Blue2	40	199	240	0	45
211 ⇔ 218	C4370 - Yel Green	27	255	28	16	104
219 ⇔ 226	C4070 - Green	49	255	55	120	90
227 ⇔ 234	C4550 - Turquoise	60	230	109	0	245
235 ⇔ 242	C4560 - Aqua	20	240	126	36	255
243 ⇔ 250	C4570 - Blue Green	0	255	79	30	53
251 ⇔ 255	--	--	--	--	--	--

 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 DMX Chart

DMX Value	Color Temperature	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005	No function	--	--	--	--	--
006 ⇔ 025	2800K	187	130	97	255	255
026 ⇔ 050	3000K	177	145	105	255	255
051 ⇔ 075	3200K	168	157	113	255	255
076 ⇔ 100	3500K	163	177	124	255	255
101 ⇔ 125	4000K	151	195	141	255	255
126 ⇔ 150	4500K	145	214	157	255	255
151 ⇔ 175	5000K	138	227	170	255	255
176 ⇔ 200	5600K	130	239	184	255	255
201 ⇔ 225	6000K	126	246	193	255	255
226 ⇔ 250	6500K	120	254	201	255	255
226 ⇔ 250	No function	--	--	--	--	--

 Note: The colors 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 Values

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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 Virtual Color Wheel Chart
15	Color temperature	000 ⇔ 255	See Color Temperature DMX Chart
16	Gobo rotation	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast
17	Control (hold 3 seconds, then release)	000 ⇔ 007	No function
		008 ⇔ 015	Dimmer reset
		016 ⇔ 023	Red Shift On
		024 ⇔ 031	Red Shift Off
		032 ⇔ 039	Dimmer: S-Curve
		040 ⇔ 047	Dimmer: Linear
		048 ⇔ 055	Dimmer: Square
		056 ⇔ 063	Dimmer: Inverse Square
		064 ⇔ 071	Dimmer Mode Off
		072 ⇔ 079	Dimmer Mode 1
		080 ⇔ 087	Dimmer Mode 2
		088 ⇔ 095	Dimmer Mode 3
		096 ⇔ 103	Fan Auto
		104 ⇔ 111	Fan On
		112 ⇔ 119	Fan Off
		120 ⇔ 127	Fan Silent
		128 ⇔ 135	X-Fade Speed: OFF
		136 ⇔ 143	X-Fade Speed: 1 (fastest)
		144 ⇔ 151	X-Fade Speed: 2
		152 ⇔ 159	X-Fade Speed: 3
160 ⇔ 167	X-Fade Speed: 4 (slowest)		
168 ⇔ 225	No Function		

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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	Gobo rotation	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

13Ch

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 DMX Chart
10	Auto 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		
11	Auto speed	000 ⇔ 255	Auto speed, slow to fast

Channel	Function	Value	Percent/Setting
12	Control (hold 3 seconds, then release)	000 ⇔ 007	No function
		008 ⇔ 015	Dimmer reset
		016 ⇔ 023	Red Shift On
		024 ⇔ 031	Red Shift Off
		032 ⇔ 039	Dimmer: S-Curve
		040 ⇔ 047	Dimmer: Linear
		048 ⇔ 055	Dimmer: Square
		056 ⇔ 063	Dimmer: Inverse Square
		064 ⇔ 071	Dimmer Mode Off
		072 ⇔ 079	Dimmer Mode 1
		080 ⇔ 087	Dimmer Mode 2
		088 ⇔ 095	Dimmer Mode 3
		096 ⇔ 103	Fan Auto
		104 ⇔ 111	Fan On
		112 ⇔ 119	Fan Off
		120 ⇔ 127	Fan Silent
		128 ⇔ 135	X-Fade Speed: OFF
		136 ⇔ 143	X-Fade Speed: 1 (fastest)
		144 ⇔ 151	X-Fade Speed: 2
152 ⇔ 159	X-Fade Speed: 3		
160 ⇔ 167	X-Fade Speed: 4 (slowest)		
168 ⇔ 225	No Function		
13	Gobo rotation	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

11Ch

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 Virtual Color Wheel Chart
10	Color temperature	000 ⇔ 255	See Color Temperature DMX Chart
11	Gobo rotation	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

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8Ch

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	Gobo rotation	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

6Ch

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%
6	Gobo rotation	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

4Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Virtual color wheel	000 ⇔ 255	See Virtual Color Wheel Chart
3	Color temperature	000 ⇔ 255	See Color Temperature DMX Chart
4	Gobo rotation	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

1Ch

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

HSV

Channel	Function	Value	Percent/Setting
1	Hue	000 ⇔ 255	0–100%
2	Saturation	000 ⇔ 255	0–100%
3	Value	000 ⇔ 255	0–100%
4	Gobo rotation	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast