

# DMX CHART



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## DMX Values

### 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 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
14	Virtual color wheel	000 ⇔ 255	Refer to <a href="#">Virtual Color Wheel Chart</a>
15	Color temperature	000 ⇔ 255	Refer to <a href="#">Color Temperature Chart</a>
16	Control	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
		156 ⇔ 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 ⇔ 255	No Function		

### 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%

Channel	Function	Value	Percent/Setting
12	Lime fine	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

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## 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 <a href="#">Virtual Color Wheel Chart</a>
9	Color temperature	000 ⇔ 255	Refer to <a href="#">Virtual Color Wheel (VCW)</a>
10	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
11	Auto speed	000 ⇔ 255	0–100%
12	Control	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
		156 ⇔ 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 ⇔ 255	No Function		

## 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	No function
		011 ⇔ 255	Strobe, slow to fast
9	Virtual color wheel	000 ⇔ 255	Refer to <a href="#">Virtual Color Wheel Chart</a>
10	Color temperature	000 ⇔ 255	Refer to <a href="#">Color Temperature Chart</a>

## 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 <a href="#">Virtual Color Wheel Chart</a>
3	Color temperature	000 ⇔ 255	Refer to <a href="#">Color Temperature Chart</a>

## 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%

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## Virtual Color Wheel (VCW)

The Ovation P-56FC 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](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 Channel 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>	201	130	048	255	255
026 ⇔ 050	<b>3000K</b>	172	132	054	255	255
051 ⇔ 075	<b>3200K</b>	144	135	061	255	255
076 ⇔ 100	<b>3500K</b>	115	139	071	255	255
101 ⇔ 125	<b>4000K</b>	083	154	088	255	255
126 ⇔ 150	<b>4500K</b>	072	185	107	255	255
151 ⇔ 175	<b>5000K</b>	062	209	124	255	255
176 ⇔ 200	<b>5600K</b>	046	222	142	255	255
201 ⇔ 225	<b>6000K</b>	038	230	154	255	255
226 ⇔ 250	<b>6500K</b>	029	237	166	255	255
251 ⇔ 255	--	000	000	000	000	000



**Note:** 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.