

DMX CHART



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Virtual Color Wheel (VCW)

The Ovation F-915FC 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.

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 | C3050 - Md Yellow | 150 | 125 | 002 | 255 | 043 |
| 014 ⇔ 021 | C3040 - Lt Yellow | 235 | 108 | 005 | 255 | 076 |
| 022 ⇔ 028 | C3240 - Amb Yellow | 171 | 036 | 000 | 120 | 255 |
| 029 ⇔ 035 | C2340 - VLt Amber | 255 | 015 | 017 | 255 | 170 |
| 036 ⇔ 043 | C2040 - Lt Amber | 255 | 000 | 010 | 255 | 143 |
| 044 ⇔ 051 | C2050 - Md Amber | 255 | 000 | 003 | 255 | 075 |
| 052 ⇔ 059 | C2060 - Dk Amber | 188 | 000 | 002 | 255 | 044 |
| 060 ⇔ 067 | C1050 - Lt Red | 255 | 000 | 002 | 021 | 002 |
| 068 ⇔ 075 | C1080 - Md Red | 255 | 000 | 002 | 000 | 000 |
| 076 ⇔ 083 | C1020 - NC Pink | 255 | 130 | 025 | 255 | 027 |
| 084 ⇔ 091 | C1030 - Md Pink | 255 | 013 | 041 | 235 | 182 |
| 092 ⇔ 099 | C1630 - Dk Pink | 255 | 015 | 027 | 030 | 255 |
| 100 ⇔ 107 | C1250 - Md Red Amber | 255 | 000 | 004 | 115 | 009 |
| 108 ⇔ 115 | C1060 - Dk Red Amber | 255 | 000 | 004 | 011 | 008 |
| 116 ⇔ 121 | C1650 - Magenta | 255 | 000 | 022 | 081 | 039 |
| 122 ⇔ 130 | C6170 - Dk Magenta | 160 | 000 | 025 | 000 | 004 |
| 131 ⇔ 138 | C6020 - Lt Lavender | 255 | 162 | 043 | 255 | 140 |
| 139 ⇔ 146 | C5030 - Lt Blue | 012 | 255 | 070 | 076 | 115 |
| 147 ⇔ 154 | C5020 - VLt Blue | 030 | 187 | 085 | 215 | 255 |
| 155 ⇔ 162 | C5430 - Lt Blue 2 | 004 | 255 | 062 | 093 | 049 |
| 163 ⇔ 170 | C5070 - Blue | 005 | 255 | 190 | 003 | 012 |
| 171 ⇔ 178 | C5050 - Md Blue | 008 | 250 | 145 | 005 | 088 |
| 179 ⇔ 186 | C5060 - Dk Blue | 005 | 209 | 255 | 015 | 074 |
| 187 ⇔ 194 | C5690 - Indigo | 005 | 000 | 200 | 013 | 003 |
| 195 ⇔ 202 | C5080 - VDk Blue | 007 | 112 | 255 | 005 | 007 |
| 203 ⇔ 210 | C5081 - VDk Blue2 | 004 | 108 | 255 | 003 | 004 |
| 211 ⇔ 218 | C4370 - Yel Green | 004 | 255 | 000 | 005 | 003 |
| 219 ⇔ 226 | C4070 - Green | 027 | 255 | 006 | 000 | 020 |
| 227 ⇔ 234 | C4550 - Turquoise | 007 | 255 | 021 | 070 | 076 |
| 235 ⇔ 242 | C4560 - Aqua | 007 | 255 | 031 | 085 | 115 |
| 243 ⇔ 250 | C4570 - Blue Green | 002 | 255 | 017 | 002 | 020 |
| 251 ⇔ 255 | -- | 000 | 000 | 000 | 000 | 000 |



Note: 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 Channel Value | Display Readout | Red Value | Green Value | Blue Value | Amber Value | Lime Value |
|-------------------|-----------------|-----------|-------------|------------|-------------|------------|
| 000 ⇔ 005 | -- | 000 | 000 | 000 | 000 | 000 |
| 006 ⇔ 025 | 2800K | 255 | 51 | 18 | 255 | 255 |
| 026 ⇔ 050 | 3200K | 179 | 82 | 25 | 185 | 220 |
| 051 ⇔ 075 | 3500K | 255 | 130 | 33 | 255 | 240 |
| 076 ⇔ 100 | 4000K | 255 | 219 | 45 | 198 | 255 |
| 101 ⇔ 125 | 4500K | 140 | 255 | 55 | 255 | 255 |
| 126 ⇔ 150 | 5000K | 107 | 255 | 63 | 200 | 255 |
| 151 ⇔ 175 | 5600K | 82 | 255 | 72 | 190 | 230 |
| 176 ⇔ 200 | 6000K | 74 | 255 | 78 | 167 | 255 |
| 201 ⇔ 225 | 6500K | 65 | 255 | 84 | 140 | 255 |
| 226 ⇔ 255 | -- | 000 | 000 | 000 | 000 | 000 |



Note: 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

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 Virtual Color Wheel Chart |
| 15 | Color Temperature | 000 ⇔ 255 | See Color Temperature Chart |
| 16 | Zoom | 000 ⇔ 255 | Narrow to wide |
| 17 | Motor Reset | 000 ⇔ 200 | No function |
| | | 201 ⇔ 220 | Motor reset |
| | | 221 ⇔ 255 | No function |

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14 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 | See Virtual Color Wheel Chart |
| 9 | Color Temperature | 000 ⇔ 255 | See Color Temperature Chart |
| 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 | Auto speed, slow to fast |
| 12 | Dimmer Speed Mode | 000 ⇔ 051 | No function |
| | | 052 ⇔ 101 | Dimmer speed mode off |
| | | 102 ⇔ 152 | Dimmer speed mode 1 |
| | | 153 ⇔ 203 | Dimmer speed mode 2 |
| 204 ⇔ 255 | Dimmer speed mode 3 | Hold for 3 seconds: Overrides and changes menu selection | |
| 12 | Zoom | 000 ⇔ 255 | Narrow to wide |
| 13 | Motor Reset | 000 ⇔ 200 | No function |
| | | 201 ⇔ 220 | Motor reset |
| | | 221 ⇔ 255 | No function |

13 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 |

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 | See Virtual Color Wheel Chart |
| 10 | Color Temperature | 000 ⇔ 255 | See Color Temperature Chart |
| 11 | Zoom | 000 ⇔ 255 | Narrow to wide |

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 ⇔ 010 011 ⇔ 255 | No function Strobe, slow to fast |

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% |

3 Ch

| 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 Chart |

HSV

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