

Ovation Rêve F-3 - V1.1.0

Virtual Color Wheel

The Ovation Rêve F-3 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 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


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.

DMX Value	Display Readout	Red	Green	Blue	Amber	Mint
000 ⇔ 005	--	--	--	--	--	--
006 ⇔ 013	C3050–Md Yellow	255	225	000	255	037
014 ⇔ 021	C3040–Lt Yellow	255	177	003	255	037
022 ⇔ 028	C3240–Amb Yellow	255	220	000	255	000
029 ⇔ 035	C2340–VLt Amber	195	000	015	255	057
036 ⇔ 043	C2040–Lt Amber	255	000	011	255	061
044 ⇔ 051	C2050–Md Amber	255	053	000	255	017
052 ⇔ 059	C2060–Dk Amber	255	008	000	255	017
060 ⇔ 067	C1050–Lt Red	255	000	003	014	000
068 ⇔ 075	C1080–Md Red	255	000	001	011	000
076 ⇔ 083	C1020–NC Pink	255	075	062	255	073
084 ⇔ 091	C1030–Md Pink	255	075	057	255	041
092 ⇔ 099	C1630–Dk Pink	218	077	057	255	061
100 ⇔ 107	C1250–Md Red Amber	255	000	009	168	000
108 ⇔ 115	C1060–Dk Red Amber	255	005	009	036	000
116 ⇔ 121	C1650–Magenta	255	003	062	255	012
122 ⇔ 130	C6170–Dk Magenta	255	000	055	000	000
131 ⇔ 138	C6020–Lt Lavender	255	220	093	255	044
139 ⇔ 146	C5030–Lt Blue	000	255	159	112	078
147 ⇔ 154	C5020–VLt Blue	000	215	145	196	065
155 ⇔ 162	C5430–Lt Blue2	000	215	132	52	092
163 ⇔ 170	C5070–Blue	000	195	188	000	019
171 ⇔ 178	C5050–Md Blue	000	163	190	000	068
179 ⇔ 186	C5060–Dk Blue	000	128	193	000	038
187 ⇔ 194	C5690–Indigo	053	009	255	000	000
195 ⇔ 202	C5080–VDk Blue	007	084	116	000	000
203 ⇔ 210	C5081–VDk Blue2	011	082	139	000	000
211 ⇔ 218	C4370–Yel Green	000	255	002	025	000
219 ⇔ 226	C4070–Green	000	255	009	000	175
227 ⇔ 234	C4550–Turquoise	000	255	087	096	255
235 ⇔ 242	C4560–Aqua	000	255	098	044	255
243 ⇔ 250	C4570–Blue Green	000	255	026	008	000
251 ⇔ 255	--	--	--	--	--	--

Color Temperature Chart

DMX Value	Temperature	R	G	B	A	M	DMX Value	Temperature	R	G	B	A	M
000 ⇔ 005	No function						125	4500K	167	216	145	255	207
006	2800K	255	007	032	255	207	126 ⇔ 131	4501-4599K					
007 ⇔ 012	2801-2899K						132	4600K	162	223	151	255	207
013	2900K	237	012	037	255	207	133 ⇔ 138	4601-4699K					
014 ⇔ 019	2901-2999K						139	4700K	161	235	158	255	207
020	3000K	231	029	044	255	207	140 ⇔ 145	4701-4799K					
021 ⇔ 026	3001-3099K						146	4800K	158	242	165	255	207
027	3100K	224	048	050	255	207	147 ⇔ 152	4801-4899K					
028 ⇔ 033	3101-3199K						153	4900K	155	250	171	255	207
034	3200K	219	064	057	255	207	154 ⇔ 159	4901-4999K					
035 ⇔ 040	3201-3299K						160	5000K	152	255	177	255	207
041	3300K	214	080	063	255	207	161 ⇔ 166	5001-5099K					
042 ⇔ 047	3301-3399K						167	5100K	145	255	183	255	207
048	3400K	209	095	070	255	207	168 ⇔ 173	5101-5199K					
049 ⇔ 054	3401-3499K						174	5200K	137	255	187	255	207
055	3500K	204	107	077	255	207	175 ⇔ 180	5201-5299K					
056 ⇔ 061	3501-3599K						181	5300K	132	255	191	255	207
062	3600K	199	121	083	255	207	182 ⇔ 187	5301-5399K					
063 ⇔ 068	3601-3699K						188	5400K	126	255	197	255	207
069	3700K	193	131	090	255	207	189 ⇔ 194	5401-5499K					
070 ⇔ 075	3701-3799K						195	5500K	122	255	202	255	207
076	3800K	188	141	097	255	207	196 ⇔ 201	5501-5599K					
077 ⇔ 082	3801-3899K						202	5600K	117	255	205	252	207
083	3900K	180	150	104	255	207	203 ⇔ 208	5601-5699K					
084 ⇔ 089	3901-3999K						209	5700K	116	255	209	249	207
090	4000K	175	160	111	255	207	210 ⇔ 215	5701-5999					
091 ⇔ 096	4001-4099K						216	6000K	106	255	221	245	207
097	4100K	175	171	118	255	207	217 ⇔ 222	6001-6499K					
098 ⇔ 103	4101-4199K						223	6500K	98	255	238	231	207
104	4200K	174	186	125	255	207	224 ⇔ 229	6501-6999K					
105 ⇔ 110	4201-4299K						230	7000K	94	255	253	218	207
111	4300K	174	199	132	255	207	231 ⇔ 236	7001-7499K					
112 ⇔ 117	4301-4399K						237	7500K	81	255	255	205	193
118	4400K	170	209	139	255	207	238 ⇔ 243	7501-7999K					
119 ⇔ 124	4401-4499K						244 ⇔ 255	8000K	77	255	255	188	181



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.

Control Channel Assignments and Values

18 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	Mint	000 ⇔ 255	0–100%
12	Mint fine	000 ⇔ 255	0–100%
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
16	Hue	000 001 ⇔ 255	0 -25–25

Channel	Function	Value	Percent/Setting
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 ⇔ 135	X-Fade speed: off
		136 ⇔ 143	X-Fade speed: 1
		144 ⇔ 151	X-Fade speed: 2
		152 ⇔ 159	X-Fade speed: 3
		160 ⇔ 167	X-Fade speed: 4
		168 ⇔ 172	PWM Frequency 750 Hz (Hold 3s)
		173 ⇔ 177	PWM Frequency 1200 Hz (Hold 3s)
		178 ⇔ 182	PWM Frequency 2000 Hz (Hold 3s)
		183 ⇔ 187	PWM Frequency 4000 Hz (Hold 3s)
		188 ⇔ 192	PWM Frequency 6000 Hz (Hold 3s)
		193 ⇔ 197	PWM Frequency 20000 Hz (Hold 3s)
		198 ⇔ 200	Future use (no function)
		201 ⇔ 220	Motor reset
		221 ⇔ 225	DMX Zoom Disable: Off (Hold 3s)
226 ⇔ 230	DMX Zoom Disable: On (Hold 3s)		
221 ⇔ 255	No function		
18	Zoom	000 ⇔ 255	Wide to narrow

DMX CHART



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14 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	Mint	000 ⇔ 255	0–100%
12	Mint fine	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
14	Zoom	000 ⇔ 255	Wide to narrow

14 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	Mint	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	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 ⇔ 135	X-Fade speed: off
		136 ⇔ 143	X-Fade speed: 1
		144 ⇔ 151	X-Fade speed: 2
		152 ⇔ 159	X-Fade speed: 3
		160 ⇔ 167	X-Fade speed: 4
		168 ⇔ 172	PWM Frequency 750 Hz (Hold 3s)
		173 ⇔ 177	PWM Frequency 1200 Hz (Hold 3s)
		178 ⇔ 182	PWM Frequency 2000 Hz (Hold 3s)
		183 ⇔ 187	PWM Frequency 4000 Hz (Hold 3s)
		188 ⇔ 192	PWM Frequency 6000 Hz (Hold 3s)
		193 ⇔ 197	PWM Frequency 20000 Hz (Hold 3s)
		198 ⇔ 200	Future use (no function)
201 ⇔ 220	Motor reset		
221 ⇔ 225	DMX Zoom Disable: Off (Hold 3s)		
226 ⇔ 230	DMX Zoom Disable: On (Hold 3s)		
231 ⇔ 255	No function		
14	Zoom	000 ⇔ 255	Wide to narrow

12 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	Mint	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

DMX CHART



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Channel	Function	Value	Percent/Setting
11	Hue	000	0
		001 ⇔ 255	-25–25
12	Zoom	000 ⇔ 255	Wide to narrow

8 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	Mint	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
8	Zoom	000 ⇔ 255	Wide to narrow

6 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	Mint	000 ⇔ 255	0–100%
6	Zoom	000 ⇔ 255	Wide to narrow

5 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
4	Hue	000	0
		001 ⇔ 255	-25–25
5	Zoom	000 ⇔ 255	Wide to narrow

1 Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100% (color set through display 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	Zoom	000 ⇔ 255	Wide to narrow