

DMX CHART

Ovation E-2FC



DMX Values

17Ch

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 green	000 ⇔ 255	0–100%
12	Lime green 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 the Virtual Color Wheel Chart section for specific values
15	Color Temperature	000 ⇔ 255	Refer to the Color Temperature DMX Chart section for specific values
16	Hue	000 ⇔ 000 001 ⇔ 255	0 -25 to 25
17	Control (hold for 3 seconds)	000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 063 064 ⇔ 071 072 ⇔ 079 080 ⇔ 087 088 ⇔ 095 096 ⇔ 103 104 ⇔ 111 112 ⇔ 119 120 ⇔ 127 128 ⇔ 255	No function Dimmer Reset Red Shift On Red Shift Off Dimmer: S-Curve Dimmer: Linear Dimmer: Square Dimmer: Inverse Square Dimmer Mode: Off Dimmer Mode 1 Dimmer Mode 2 Dimmer Mode 3 Fan auto Fan on Fan off Fan silent Reserved for future use

13Ch1

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 green	000 ⇄ 255	0–100%
7	Strobe	000 ⇄ 010	No function
		011 ⇄ 255	Strobe, slow to fast
8	Virtual Color Wheel	000 ⇄ 255	Refer to the Virtual Color Wheel Chart section for specific values
9	Color Temperature	000 ⇄ 255	Refer to the Color Temperature DMX Chart section for specific values
10	Hue	000 ⇄ 000	0
		001 ⇄ 255	-25 to 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 (auto programs 1–4)		
12	Auto speed	000 ⇄ 255	Auto speed, slow to fast
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	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 ⇄ 255	Reserved for future use		

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13Ch2

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 green	000 ⇔ 255	0–100%
12	Lime green fine	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, 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 green	000 ⇔ 255	0–100%
8	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart section for specific values
10	Color Temperature	000 ⇔ 255	Refer to the Color Temperature DMX Chart section for specific values
11	Hue	000 ⇔ 000 001 ⇔ 255	0 -25 to 25

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 green	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 green	000 ⇔ 255	0–100%

4Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart section for specific values
3	Color Temperature	000 ⇔ 255	Refer to the Color Temperature DMX Chart section for specific values
4	Hue	000 ⇔ 000 001 ⇔ 255	0 -25 to 25

1Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%

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 Chart

DMX Channel Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Mint 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	--	--	--	--	--	--

Color Temperature DMX Chart

DMX Channel	Color Temperature	DMX Channel	Color Temperature
000 ⇄ 005	No function	132 ⇄ 139	4600K–4700K
006 ⇄ 013	2800K–2900K	139 ⇄ 146	4700K–4800K
013 ⇄ 020	2900K–3000K	146 ⇄ 153	4800K–4900K
020 ⇄ 027	3000K–3100K	153 ⇄ 160	4900K–5000K
027 ⇄ 034	3100K–3200K	160 ⇄ 167	5000K–5100K
034 ⇄ 041	3200K–3300K	167 ⇄ 174	5100K–5200K
048 ⇄ 055	3300K–3400K	174 ⇄ 181	5200K–5300K
055 ⇄ 062	3400K–3500K	181 ⇄ 188	5300K–5400K
062 ⇄ 069	3500K–3600K	188 ⇄ 195	5400K–5500K
069 ⇄ 076	3600K–3700K	195 ⇄ 202	5500K–5600K
076 ⇄ 083	3700K–3800K	202 ⇄ 209	5600K–5700K
083 ⇄ 090	3900K–4000K	209 ⇄ 216	5700K–6000K
090 ⇄ 097	4000K–4100K	216 ⇄ 223	6000K–6500K
097 ⇄ 104	4100K–4200K	223 ⇄ 230	6500K–7000K
104 ⇄ 111	4200K–4300K	230 ⇄ 237	7000K–7500K
111 ⇄ 118	4300K–4400K	237 ⇄ 244	7500K–8000K
118 ⇄ 125	4400K–4500K	244 ⇄ 255	8000K
125 ⇄ 132	4500K–4600K		