

# DMX CHART



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## Virtual Color Wheel

### Color 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>	250	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 Blue 2</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

### 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>	255	199	107	253	255
026 ⇔ 050	<b>3200K</b>	253	247	129	255	255
051 ⇔ 075	<b>3500K</b>	234	255	141	253	255
076 ⇔ 100	<b>4000K</b>	204	255	156	243	255
101 ⇔ 125	<b>4500K</b>	181	248	166	224	255
126 ⇔ 150	<b>5000K</b>	160	255	180	241	255
151 ⇔ 175	<b>5600K</b>	138	255	191	241	255
176 ⇔ 200	<b>6000K</b>	147	255	193	203	255
201 ⇔ 225	<b>6500K</b>	142	251	197	187	255
226 ⇔ 255	--	000	000	000	000	000

## DMX Values

### 16 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 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
14	Virtual Color Wheel 1	000 ⇔ 255	Refer to the <a href="#">Color Chart</a> section for specific values
15	Color Temperature 1	000 ⇔ 255	Refer to the <a href="#">Color Temperature Chart</a> section for specific values
16	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 ⇔ 135 136 ⇔ 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 X-Fade Speed: OFF X-Fade Speed: 1 (fastest) X-Fade Speed: 2 X-Fade Speed: 3 X-Fade Speed: 4 (slowest) Reserved for future use

### 13 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 1	000 ⇔ 255	Refer to the <a href="#">Color Chart</a> section for specific values
9	Color Temperature 1	000 ⇔ 255	Refer to the <a href="#">Color Temperature Chart</a> section for specific values
10	Red Shift	000 ⇔ 010 011 ⇔ 127 128 ⇔ 255	No function On Off

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Channel	Function	Value	Percent/Setting
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	0-100%
13	Dimmer Speed Mode	000 ⇔ 051	Preset dimmer speed from display menu
		052 ⇔ 101	Linear dimmer
		102 ⇔ 152	Nonlinear dimming curve 1 (fastest)
		153 ⇔ 203	Nonlinear dimming curve 2
		204 ⇔ 255	Nonlinear dimming curve 3 (slowest)

## 12 Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0-100%
2	Dimmer Fine	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 1	000 ⇔ 255	Refer to the <a href="#">Color Chart</a> section for specific values
9	Color Temperature 1	000 ⇔ 255	Refer to the <a href="#">Color Temperature Chart</a> section for specific values
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	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	X-Fade Speed: OFF
		104 ⇔ 111	X-Fade Speed: 1 (fastest)
		112 ⇔ 119	X-Fade Speed: 2
		120 ⇔ 127	X-Fade Speed: 3
128 ⇔ 135	X-Fade Speed: 4 (slowest)		
136 ⇔ 255	Reserved for future use		

## 10 Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0-100%
2	Dimmer Fine	000 ⇔ 255	0-100%
3	Red	000 ⇔ 255	
4	Green	000 ⇔ 255	
5	Blue	000 ⇔ 255	
6	Amber	000 ⇔ 255	
7	Lime	000 ⇔ 255	
8	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	Virtual Color Wheel	000 ⇔ 255	Refer to the <a href="#">Color Chart</a> section for specific values
10	Color Temperature	000 ⇔ 255	Refer to the <a href="#">Color Temperature Chart</a> section for specific values

## 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	Refer to the <a href="#">Color Chart</a> section for specific values
3	Color Temperature	000 ⇔ 255	Refer to the <a href="#">Color Temperature Chart</a> section for specific values

## 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%