

DMX Channel Assignments and Values

Color Macro Chart

Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 010	No function	201 ⇔ 205	Color 1
011 ⇔ 030	Red 100%, green 0–100%	206 ⇔ 210	Color 2
031 ⇔ 050	Red 100–0%, green 100%	211 ⇔ 215	Color 3
051 ⇔ 070	Green 100%, blue 0–100%	216 ⇔ 220	Color 4
071 ⇔ 090	Green 100–0%, blue 100%	221 ⇔ 225	Color 5
091 ⇔ 110	Red 0–100%, blue 100%	226 ⇔ 230	Color 6
111 ⇔ 130	Red 100% blue 100–0%	231 ⇔ 235	Color 7
131 ⇔ 150	Red 100%, green and blue 0–100%	236 ⇔ 240	Color 8
151 ⇔ 170	Red and green 100–0%, blue 100%	241 ⇔ 245	Color 9
171 ⇔ 200	Red, green, and blue 100%	246 ⇔ 250	Color 10
		251 ⇔ 255	Color 11

Color Temperature Chart

Value	Percent/Setting	Actual Temperature	Red	Green	Blue	White
000 ⇔ 005	No function	–	–	–	–	–
006 ⇔ 025	2800K	2780K	078	035	000	255
026 ⇔ 050	3200K	3184K	057	049	008	255
051 ⇔ 075	3500K	3510K	039	056	013	255
076 ⇔ 100	4000K	3998K	053	093	028	255
101 ⇔ 125	4500K	4527K	040	107	039	255
126 ⇔ 150	5000K	4005K	042	128	052	255
151 ⇔ 175	5600K	5651K	004	115	058	255
176 ⇔ 200	6000K	6022K	005	134	065	255
201 ⇔ 225	6500K	6532K	011	141	079	255
226 ⇔ 255	No function	–	–	–	–	–

Control Chart

Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 010	No function	090 ⇔ 094	Dim speed off
011 ⇔ 029	Reserved	095 ⇔ 099	Dim speed 1
030 ⇔ 034	PWM 1000Hz (active in 5 sec)	100 ⇔ 104	Dim speed 2
035 ⇔ 039	PWM 2000Hz (active in 5 sec)	105 ⇔ 109	Dim speed 3
040 ⇔ 044	PWM 3000Hz (active in 5 sec)	110 ⇔ 149	Reserved
045 ⇔ 049	PWM 4000Hz (active in 5 sec)	150 ⇔ 154	Run time off
050 ⇔ 054	PWM 6000Hz (active in 5 sec)	155 ⇔ 159	Run time 5 hr
055 ⇔ 059	PWM 25000Hz (active in 5 sec)	160 ⇔ 164	Run time 8 hr
060 ⇔ 069	Reserved	165 ⇔ 169	Run time 12 hr
070 ⇔ 074	Scurve (active in 5 sec)	170 ⇔ 174	Run time 18 hr
075 ⇔ 079	Linear (active in 5 sec)	175 ⇔ 249	Reserved
080 ⇔ 084	Square (active in 5 sec)	250 ⇔ 255	No function
085 ⇔ 089	I Squa (active in 5 sec)		

12Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Fine dimmer	000 ⇔ 255	0–100%
3	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
4	Red	000 ⇔ 255	0–100%
5	Green	000 ⇔ 255	0–100%
6	Blue	000 ⇔ 255	0–100%
7	White	000 ⇔ 255	0–100%
8	Color macro	000 ⇔ 255	See the Color Macro Chart
9	Color temperature	000 ⇔ 255	See the Color Temperature Chart
10	Auto programs	000 ⇔ 010 011 ⇔ 060 061 ⇔ 110 111 ⇔ 160 161 ⇔ 210 211 ⇔ 255	No function Auto program 1 Auto program 2 Auto program 3 Auto program 4 Auto program 5 (auto program 1–4)
11	Auto speed	000 ⇔ 255	Auto speed, slow to fast
12	Control	000 ⇔ 255	see Control Chart

8Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Fine dimmer	000 ⇔ 255	0–100%
3	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
4	Red	000 ⇔ 255	0–100%
5	Green	000 ⇔ 255	0–100%
6	Blue	000 ⇔ 255	0–100%
7	White	000 ⇔ 255	0–100%
8	Control	000 ⇔ 255	see Control Chart

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	White	000 ⇔ 255	0–100%
5	Control	000 ⇔ 255	see Control Chart