

DMX Channel Assignments and Values

Control Chart

Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 010	No function	090 ⇔ 094	Dimmer speed mode off (immediate)
011 ⇔ 029	Reserved for future use	095 ⇔ 099	Dimmer speed mode 1 (fastest)
030 ⇔ 034	1000 Hz Pulse Width Modulation*	100 ⇔ 104	Dimmer speed mode 2 (medium)
035 ⇔ 039	2000 Hz Pulse Width Modulation*	105 ⇔ 109	Dimmer speed mode 3 (slowest)
040 ⇔ 044	3000 Hz Pulse Width Modulation*	110 ⇔ 149	Reserved for future use
045 ⇔ 049	4000 Hz Pulse Width Modulation*	150 ⇔ 154	Run time mode off
050 ⇔ 054	6000 Hz Pulse Width Modulation*	155 ⇔ 159	5 hour run time mode
055 ⇔ 059	25 KHz Pulse Width Modulation*	160 ⇔ 164	8 hour run time mode
060 ⇔ 069	Reserved for future use	165 ⇔ 169	12 hour run time mode
070 ⇔ 074	S-Curve dimmer curve*	170 ⇔ 174	18 hour run time mode
075 ⇔ 079	Linear dimmer curve*	175 ⇔ 249	Reserved for future use
080 ⇔ 084	Square dimmer curve*	250 ⇔ 255	No function
085 ⇔ 089	Inverse square dimmer curve*		*Hold for 5 seconds

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

Channel	Function	Value	Percent/Setting
9	Color temperature	000 ⇄ 005	No function
		006 ⇄ 025	2800K
		026 ⇄ 050	3200K
		051 ⇄ 075	3500K
		076 ⇄ 100	4000K
		101 ⇄ 125	4500K
		126 ⇄ 150	5000K
		151 ⇄ 175	5600K
		176 ⇄ 200	6000K
		201 ⇄ 225	6500K
		226 ⇄ 255	No function
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 (auto program 1–4)
11	Auto speed	000 ⇄ 255	Auto speed, slow to fast
12	Control	000 ⇄ 255	see

8Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%
2	Fine dimmer	000 ⇄ 255	0–100%
3	Strobe	000 ⇄ 010	No function
		011 ⇄ 255	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 (hold for 3 seconds)	000 ⇄ 255	see

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 (hold for 3 seconds)	000 ⇄ 255	see