

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

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 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	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 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 (hold for 3 seconds)	000 ⇔ 255	See Control Chart