

ROOT® BAR SMD

SMD-LED BAR
DMX CONTROL TABLE



4CH	6CH	8CH				
Channel	Channel	Channel	Function	Values		
	1	1	Dimmer	000	-	255 0% to 100%
	2	2	Strobe	000	-	005 Open
006				-	255 Strobe slow to fast (<1Hz to 20Hz)	
1	3	3	Red	000	-	255 0% to 100%
2	4	4	Green	000	-	255 0% to 100%
3	5	5	Blue	000	-	255 0% to 100%
4	6		White	000	-	255 0% to 100%
		6	Center Dimmer	000	-	255 0% to 100%
		7	Center Strobe	000	-	005 Open
				006	-	255 Strobe slow to fast (<1Hz to 20Hz)
		8	Sound	000	-	255 No function
				006	-	255 Sound Control On, mic sensitivity low to high

9CH	10CH					
Channel	Channel	Function	Values			
1	1	Dimmer	000	-	255 0% to 100%	
	2	Strobe	000	-	005 Open	
			006	-	255 Strobe slow to fast (<1Hz to 20Hz)	
2		Strobe Functions	000	-	005 Open	
			006	-	010 Closed	
			011	-	022 Ramp up/down slow to fast	
			023	-	033 Ramp up/down random slow to fast	
			034	-	045 Ramp up slow to fast	
			046	-	056 Ramp up random slow to fast	
			057	-	068 Ramp down slow to fast	
			069	-	079 Ramp down random slow to fast	
			080	-	102 Random Strobe effect slow to fast	
			103	-	127 Strobe Break effect 5s to 1s (short burst with break)	
			128	-	250 Strobe slow to fast (<1Hz to 20Hz)	
			251	-	255 Open	
3	3	Red	000	-	255 0% to 100%	

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4	4	Green	000 - 255	0% to 100%
5	5	Blue	000 - 255	0% to 100%
6	6	Center Dimmer	000 - 255	0% to 100%
7	7	Center Strobe	000 - 005	Open
			006 - 255	Strobe slow to fast (<1Hz to 20Hz)
8	8	Pattern Selection	000 - 005	Off
			006 - 026	1
			027 - 047	2
			048 - 068	3
			069 - 089	4
			090 - 110	5
			111 - 131	6
			132 - 152	7
			153 - 173	8
			174 - 194	9
			195 - 215	10
			216 - 236	11
			237 - 255	12
9	9	Pattern Position & Speed	000 - 005	Pattern Speed Stop
			006 - 063	Pattern Speed slow to fast (Chase)
			064 - 127	Pattern Speed fast to slow (Chase) (backwards)
			128 - 191	Pattern Speed slow to fast (Fade)
			192 - 255	Pattern Speed fast to slow (Fade) (backwards)
	10	Sound (triggers Pattern)	000 - 255	No function
			006 - 255	Sound Control On, mic sensitivity low to high

20CH				
Channel	Function	Values		
1	Dimmer	000 - 255	0% to 100%	
2	Strobe	000 - 005	Open	
		006 - 255	Strobe slow to fast (<1Hz to 20Hz)	
3	Center Dimmer	000 - 255	0% to 100%	

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4	Center Strobe	000 - 005	Open
		006 - 255	Strobe slow to fast (<1Hz to 20Hz)
5	Red Segment 1	000 - 255	0% to 100%
6	Green Segment 1	000 - 255	0% to 100%
7	Blue Segment 1	000 - 255	0% to 100%
8	Red Segment 2	000 - 255	0% to 100%
9	Green Segment 2	000 - 255	0% to 100%
10	Blue Segment 2	000 - 255	0% to 100%
11	Red Segment 3	000 - 255	0% to 100%
12	Green Segment 3	000 - 255	0% to 100%
13	Blue Segment 3	000 - 255	0% to 100%
14	Red Segment 4	000 - 255	0% to 100%
15	Green Segment 4	000 - 255	0% to 100%
16	Blue Segment 4	000 - 255	0% to 100%
17	Center LEDs Segment 1	000 - 255	0% to 100%
18	Center LEDs Segment 2	000 - 255	0% to 100%
19	Center LEDs Segment 3	000 - 255	0% to 100%
20	Center LEDs Segment 4	000 - 255	0% to 100%

52CH			
Channel	Function	Values	
1	Dimmer	000 - 255	0% to 100%
2	Strobe Functions	000 - 005	Open
		006 - 010	Closed
		011 - 022	Ramp up/down slow to fast
		023 - 033	Ramp up/down random slow to fast
		034 - 045	Ramp up slow to fast
		046 - 056	Ramp up random slow to fast
		057 - 068	Ramp down slow to fast
		069 - 079	Ramp down random slow to fast
		080 - 102	Random Strobe effect slow to fast
		103 - 127	Strobe Break effect 5s to 1s (short burst with break)

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2	Strobe Functions	128 - 250	Strobe slow to fast (<1Hz to 20Hz)
		251 - 255	Open
3	Center Dimmer	000 - 255	0% to 100%
4	Center Strobe functions	000 - 005	Open
		006 - 010	Closed
		011 - 022	Ramp up/down slow to fast
		023 - 033	Ramp up/down random slow to fast
		034 - 045	Ramp up slow to fast
		046 - 056	Ramp up random slow to fast
		057 - 068	Ramp down slow to fast
		069 - 079	Ramp down random slow to fast
		080 - 102	Random Strobe effect slow to fast
		103 - 127	Strobe Break effect 5s to 1s (short burst with break)
		128 - 250	Strobe slow to fast (<1Hz to 20Hz)
		251 - 255	Open
5	Red 1	000 - 255	0% to 100%
6	Green 1	000 - 255	0% to 100%
7	Blue 1	000 - 255	0% to 100%
8	Red 2	000 - 255	0% to 100%
9	Green 2	000 - 255	0% to 100%
10	Blue 2	000 - 255	0% to 100%
11	Red 3	000 - 255	0% to 100%
12	Green 3	000 - 255	0% to 100%
13	Blue 3	000 - 255	0% to 100%
14	Red 4	000 - 255	0% to 100%
15	Green 4	000 - 255	0% to 100%
16	Blue 4	000 - 255	0% to 100%
17	Red 5	000 - 255	0% to 100%
18	Green 5	000 - 255	0% to 100%
19	Blue 5	000 - 255	0% to 100%
20	Red 6	000 - 255	0% to 100%
21	Green 6	000 - 255	0% to 100%
22	Blue 6	000 - 255	0% to 100%
23	Red 7	000 - 255	0% to 100%
24	Green 7	000 - 255	0% to 100%
25	Blue 7	000 - 255	0% to 100%

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26	Red 8	000	-	255	0% to 100%
27	Green 8	000	-	255	0% to 100%
28	Blue 8	000	-	255	0% to 100%
29	Red 9	000	-	255	0% to 100%
30	Green 9	000	-	255	0% to 100%
31	Blue 9	000	-	255	0% to 100%
32	Red 10	000	-	255	0% to 100%
33	Green 10	000	-	255	0% to 100%
34	Blue 10	000	-	255	0% to 100%
35	Red 11	000	-	255	0% to 100%
36	Green 11	000	-	255	0% to 100%
37	Blue 11	000	-	255	0% to 100%
38	Red 12	000	-	255	0% to 100%
39	Green 12	000	-	255	0% to 100%
40	Blue 12	000	-	255	0% to 100%
41	Center LEDs 1	000	-	255	0% to 100%
42	Center LEDs 2	000	-	255	0% to 100%
43	Center LEDs 3	000	-	255	0% to 100%
44	Center LEDs 4	000	-	255	0% to 100%
45	Center LEDs 5	000	-	255	0% to 100%
46	Center LEDs 6	000	-	255	0% to 100%
47	Center LEDs 7	000	-	255	0% to 100%
48	Center LEDs 8	000	-	255	0% to 100%
49	Center LEDs 9	000	-	255	0% to 100%
50	Center LEDs 10	000	-	255	0% to 100%
51	Center LEDs 11	000	-	255	0% to 100%
52	Center LEDs 12	000	-	255	0% to 100%

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88CH			
Channel	Function	Values	
1	Dimmer	000 - 255	0% to 100%
2	Strobe Functions	000 - 005	Open
		006 - 010	Closed
		011 - 022	Ramp up/down slow to fast
		023 - 033	Ramp up/down random slow to fast
		034 - 045	Ramp up slow to fast
		046 - 056	Ramp up random slow to fast
		057 - 068	Ramp down slow to fast
		069 - 079	Ramp down random slow to fast
		080 - 102	Random Strobe effect slow to fast
		103 - 127	Strobe Break effect 5s to 1s (short burst with break)
		128 - 250	Strobe slow to fast (<1Hz to 20Hz)
251 - 255	Open		
3	Center Dimmer	000 - 255	0% to 100%
4	Center Strobe functions	000 - 005	Open
		006 - 010	Closed
		011 - 022	Ramp up/down slow to fast
		023 - 033	Ramp up/down random slow to fast
		034 - 045	Ramp up slow to fast
		046 - 056	Ramp up random slow to fast
		057 - 068	Ramp down slow to fast
		069 - 079	Ramp down random slow to fast
080 - 102	Random Strobe effect slow to fast		
4	Center Strobe functions	103 - 127	Strobe Break effect 5s to 1s (short burst with break)
		128 - 250	Strobe slow to fast (<1Hz to 20Hz)
		251 - 255	Open
5	Red Top 1	000 - 255	0% to 100%
6	Green Top 1	000 - 255	0% to 100%
7	Blue Top 1	000 - 255	0% to 100%
8	Red Top 2	000 - 255	0% to 100%
9	Green Top 2	000 - 255	0% to 100%
10	Blue Top 2	000 - 255	0% to 100%
11	Red Top 3	000 - 255	0% to 100%

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12	Green Top 3	000	-	255	0% to 100%
13	Blue Top 3	000	-	255	0% to 100%
14	Red Top 4	000	-	255	0% to 100%
15	Green Top 4	000	-	255	0% to 100%
16	Blue Top 4	000	-	255	0% to 100%
17	Red Top 5	000	-	255	0% to 100%
18	Green Top 5	000	-	255	0% to 100%
19	Blue Top 5	000	-	255	0% to 100%
20	Red Top 6	000	-	255	0% to 100%
21	Green Top 6	000	-	255	0% to 100%
22	Blue Top 6	000	-	255	0% to 100%
23	Red Top 7	000	-	255	0% to 100%
24	Green Top 7	000	-	255	0% to 100%
25	Blue Top 7	000	-	255	0% to 100%
26	Red Top 8	000	-	255	0% to 100%
27	Green Top 8	000	-	255	0% to 100%
28	Blue Top 8	000	-	255	0% to 100%
29	Red Top 9	000	-	255	0% to 100%
30	Green Top 9	000	-	255	0% to 100%
31	Blue Top 9	000	-	255	0% to 100%
32	Red Top 10	000	-	255	0% to 100%
33	Green Top 10	000	-	255	0% to 100%
34	Blue Top 10	000	-	255	0% to 100%
35	Red Top 11	000	-	255	0% to 100%
36	Green Top 11	000	-	255	0% to 100%
37	Blue Top 11	000	-	255	0% to 100%
38	Red Top 12	000	-	255	0% to 100%
39	Green Top 12	000	-	255	0% to 100%
40	Blue Top 12	000	-	255	0% to 100%
41	Red Bottom 1	000	-	255	0% to 100%
42	Green Bottom 1	000	-	255	0% to 100%
43	Blue Bottom 1	000	-	255	0% to 100%
44	Red Bottom 2	000	-	255	0% to 100%
45	Green Bottom 2	000	-	255	0% to 100%
46	Blue Bottom 2	000	-	255	0% to 100%
47	Red Bottom 3	000	-	255	0% to 100%
48	Green Bottom 3	000	-	255	0% to 100%

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49	Blue Bottom 3	000	-	255	0% to 100%
50	Red Bottom 4	000	-	255	0% to 100%
51	Green Bottom 4	000	-	255	0% to 100%
52	Blue Bottom 4	000	-	255	0% to 100%
53	Red Bottom 5	000	-	255	0% to 100%
54	Green Bottom 5	000	-	255	0% to 100%
55	Blue Bottom 5	000	-	255	0% to 100%
56	Red Bottom 6	000	-	255	0% to 100%
57	Green Bottom 6	000	-	255	0% to 100%
58	Blue Bottom 6	000	-	255	0% to 100%
59	Red Bottom 7	000	-	255	0% to 100%
60	Green Bottom 7	000	-	255	0% to 100%
61	Blue Bottom 7	000	-	255	0% to 100%
62	Red Bottom 8	000	-	255	0% to 100%
63	Green Bottom 8	000	-	255	0% to 100%
64	Blue Bottom 8	000	-	255	0% to 100%
65	Red Bottom 9	000	-	255	0% to 100%
66	Green Bottom 9	000	-	255	0% to 100%
67	Blue Bottom 9	000	-	255	0% to 100%
68	Red Bottom 10	000	-	255	0% to 100%
69	Green Bottom 10	000	-	255	0% to 100%
70	Blue Bottom 10	000	-	255	0% to 100%
71	Red Bottom 11	000	-	255	0% to 100%
72	Green Bottom 11	000	-	255	0% to 100%
73	Blue Bottom 11	000	-	255	0% to 100%
74	Red Bottom 12	000	-	255	0% to 100%
75	Green Bottom 12	000	-	255	0% to 100%
76	Blue Bottom 12	000	-	255	0% to 100%
77	Center LEDs 1	000	-	255	0% to 100%
78	Center LEDs 2	000	-	255	0% to 100%
79	Center LEDs 3	000	-	255	0% to 100%
80	Center LEDs 4	000	-	255	0% to 100%
81	Center LEDs 5	000	-	255	0% to 100%
82	Center LEDs 6	000	-	255	0% to 100%
83	Center LEDs 7	000	-	255	0% to 100%
84	Center LEDs 8	000	-	255	0% to 100%
85	Center LEDs 9	000	-	255	0% to 100%

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86	Center LEDs 10	000	-	255	0% to 100%
87	Center LEDs 11	000	-	255	0% to 100%
88	Center LEDs 12	000	-	255	0% to 100%

D5CH	D7CH	D9CH				
Channel	Channel	Channel	Function	Values		
	1	1	Dimmer	000	-	255 0% to 100%
	2	2	Strobe	000	-	005 Open
				006	-	255 Strobe slow to fast (<1Hz to 20Hz)
1	3	3	Red	000	-	255 0% to 100%
2	4	4	Green	000	-	255 0% to 100%
3	5	5	Blue	000	-	255 0% to 100%
4	6		White	000	-	255 0% to 100%
		6	Center Dimmer	000	-	255 0% to 100%
		7	Center Strobe	000	-	005 Open
				006	-	255 Strobe slow to fast (<1Hz to 20Hz)
		8	Sound	000	-	255 No function
				006	-	255 Sound Control On, mic sensitivity low to high
5	7	9	DMX Delay	000	-	005 Off (no Delay)
				006	-	255 0,1s to 2,0s