

# ROOT® BAR 6

16 X 12 W RGBAW + UV-LED BAR  
DMX CONTROL TABLE



2CH	4CH Sound					
Channel	Channel	Function	Values			
1	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
			2	3	Colour Presets	000
006	-	013				Red
014	-	021				Amber
022	-	029				Yellow warm
030	-	037				Yellow
038	-	045				Green
046	-	053				Turquoise
054	-	061				Cyan
062	-	069				Blue
070	-	077				Lavender
078	-	085				Mauve
086	-	093				Magenta
094	-	101				Pink
102	-	109				Warm White
110	-	117				White
118	-	125				Cold White
126	-	127				Colour Jumping/Fading Stop
128	-	164				Colour Jumping slow to fast
165	-	201	Colour Fading slow to fast			
202	-	207	User Colour 1			

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2	3	Colour Presets	208 - 213	User Colour 2
			214 - 219	User Colour 3
			220 - 225	User Colour 4
			226 - 255	No function
	4	Sound (triggers Strobe, Colour Jumping & Fading, Patterns)	000 - 005	No function
			006 - 255	Sound Control On, mic sensitivity low to high

4CH-2	6CH Direct	8CH			
Channel	Channel	Channel	Function	Values	
		1	Dimmer	000 - 255	0% to 100%
		2	Strobe	000 - 005	Open
				006 - 255	Strobe slow to fast (<1Hz to 20Hz)
1	1	3	Red	000 - 255	0% to 100%
2	2	4	Green	000 - 255	0% to 100%
3	3	5	Blue	000 - 255	0% to 100%
4	4	6	White	000 - 255	0% to 100%
	5	7	Amber	000 - 255	0% to 100%
	6	8	UV	000 - 255	0% to 100%

5CH					
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	Chase	000 - 005	No function		
		006 - 026	Jump 10s to 4s		
		027 - 127	Jump 4s to 0.1s		
		128 - 148	Fade 10s to 4s		
		149 - 255	Fade 4s to 0.1s		
4	Colour Presets 1	000 - 005	No function		
		006 - 013	Red		
		014 - 021	Amber		
		022 - 029	Yellow warm		

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4	Colour Presets 1	030 - 037	Yellow
		038 - 045	Green
		046 - 053	Turquoise
		054 - 061	Cyan
		062 - 069	Blue
		070 - 077	Lavender
		078 - 085	Mauve
		086 - 093	Magenta
		094 - 101	Pink
		102 - 109	Warm White
		110 - 117	White
		118 - 125	Cold White
		126 - 127	Colour Jumping/Fading Stop
		128 - 164	Colour Jumping slow to fast
		165 - 201	Colour Fading slow to fast
		202 - 207	User Colour 1
		208 - 213	User Colour 2
214 - 219	User Colour 3		
220 - 225	User Colour 4		
226 - 255	No function		
5	Colour Presets 2	000 - 005	No function
		006 - 013	Red
		014 - 021	Amber
		022 - 029	Yellow warm
		030 - 037	Yellow
		038 - 045	Green
		046 - 053	Turquoise
		054 - 061	Cyan
		062 - 069	Blue
		070 - 077	Lavender
		078 - 085	Mauve
		086 - 093	Magenta
		094 - 101	Pink
		102 - 109	Warm White
		110 - 117	White
118 - 125	Cold White		
126 - 127	Colour Jumping/Fading Stop		

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5	Colour Presets 2	128 - 164	Colour Jumping slow to fast
		165 - 201	Colour Fading slow to fast
		202 - 207	User Colour 1
		208 - 213	User Colour 2
		214 - 219	User Colour 3
		220 - 225	User Colour 4
		226 - 255	No function

6CH Pattern			
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	Colour Presets	000 - 005	No function
		006 - 013	Red
		014 - 021	Amber
		022 - 029	Yellow warm
		030 - 037	Yellow
		038 - 045	Green
		046 - 053	Turquoise
		054 - 061	Cyan
		062 - 069	Blue
		070 - 077	Lavender
		078 - 085	Mauve
086 - 093	Magenta		

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3	Colour Presets	094 - 101	Pink
		102 - 109	Warm White
		110 - 117	White
		118 - 125	Cold White
		126 - 127	Colour Jumping/Fading Stop
		128 - 164	Colour Jumping slow to fast
		165 - 201	Colour Fading slow to fast
		202 - 207	User Colour 1
		208 - 213	User Colour 2
		214 - 219	User Colour 3
		220 - 225	User Colour 4
		226 - 255	No function
4	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		
5	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)
6	Sound (triggers Strobe, Colour Jumping & Fading, Patterns)	000 - 005	No function
		006 - 255	Sound Control On, mic sensitivity low to high

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24CH	27CH						
Channel	Channel	Function	Values				
	1	Dimmer	000	-	255	0% to 100%	
	2	Dimmer fine	000	-	255		
	3	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
1	4	Red 1	000	-	255	0% to 100%	
2	5	Green 1	000	-	255	0% to 100%	
3	6	Blue 1	000	-	255	0% to 100%	
4	7	White 1	000	-	255	0% to 100%	
5	8	Amber 1	000	-	255	0% to 100%	
6	9	UV 1	000	-	255	0% to 100%	
7	10	Red 2	000	-	255	0% to 100%	
8	11	Green 2	000	-	255	0% to 100%	
9	12	Blue 2	000	-	255	0% to 100%	
10	13	White 2	000	-	255	0% to 100%	
11	14	Amber 2	000	-	255	0% to 100%	
12	15	UV 2	000	-	255	0% to 100%	
13	16	Red 3	000	-	255	0% to 100%	
14	17	Green 3	000	-	255	0% to 100%	
15	18	Blue 3	000	-	255	0% to 100%	
16	19	White 3	000	-	255	0% to 100%	
17	20	Amber 3	000	-	255	0% to 100%	
18	21	UV 3	000	-	255	0% to 100%	
19	22	Red 4	000	-	255	0% to 100%	
20	23	Green 4	000	-	255	0% to 100%	
21	24	Blue 4	000	-	255	0% to 100%	

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22	25	White 4	000	-	255	0% to 100%
23	26	Amber 4	000	-	255	0% to 100%
24	27	UV 4	000	-	255	0% to 100%

11CH Sound	11CH Pattern	Function	Values			
1	1	Dimmer	000	-	255	0% to 100%
2		Dimmer fine	000	-	255	
3	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)
3	2	Strobe Functions	251	-	255	Open
4	3	Red	000	-	255	0% to 100%
5	4	Green	000	-	255	0% to 100%
6	5	Blue	000	-	255	0% to 100%
7	6	White	000	-	255	0% to 100%
8	7	Amber	000	-	255	0% to 100%
9	8	UV	000	-	255	0% to 100%
10		Colour Presets (override Colour Mixing)	000	-	005	No function
			006	-	013	Red
			014	-	021	Amber
			022	-	029	Yellow warm
			030	-	037	Yellow
			038	-	045	Green
			046	-	053	Turquoise
			054	-	061	Cyan
062	-	069	Blue			

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10	Colour Presets (override Colour Mixing)	070 - 077	Lavender
		078 - 085	Mauve
		086 - 093	Magenta
		094 - 101	Pink
		102 - 109	Warm White
		110 - 117	White
		118 - 125	Cold White
		126 - 127	Colour Jumping/Fading Stop
		128 - 164	Colour Jumping slow to fast
		165 - 201	Colour Fading slow to fast
		202 - 207	User Colour 1
		208 - 213	User Colour 2
		214 - 219	User Colour 3
		220 - 225	User Colour 4
226 - 255	No function		
9	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
		10	Pattern Position & Speed
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)		



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11	11	Sound (Triggers Strobe, Colour Jumping & Fading, Patterns)	000	-	005	No function
			006	-	255	Sound Control On, mic sensitivity low to high

D5CH Direct						
Channel	Function	Values				
1	Red	000	-	255	0% to 100%	
2	Green	000	-	255	0% to 100%	
3	Blue	000	-	255	0% to 100%	
4	White	000	-	255	0% to 100%	
5	DMX Delay	000	-	005	Off (no Delay)	
		006	-	255	0,1s to 2,0s	

D3CH	D5CH-Sound	Function	Values			
1	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
			2	3	Colour Presets	000
006	-	013				Red
014	-	021				Amber
022	-	029				Yellow warm
030	-	037				Yellow

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2	3	Colour Presets	038 - 045	Green
			046 - 053	Turquoise
			054 - 061	Cyan
			062 - 069	Blue
			070 - 077	Lavender
			078 - 085	Mauve
			086 - 093	Magenta
			094 - 101	Pink
			102 - 109	Warm White
			110 - 117	White
			118 - 125	Cold White
			126 - 127	Colour Jumping/Fading Stop
			128 - 164	Colour Jumping slow to fast
			165 - 201	Colour Fading slow to fast
			202 - 207	User Colour 1
208 - 213	User Colour 2			
214 - 219	User Colour 3			
220 - 225	User Colour 4			
226 - 255	No function			
	4	Sound (Triggers Strobe, Colour Jumping & Fading)	000 - 005	No function
			006 - 255	Sound Control On, mic sensitivity low to high
3	5	DMX Delay	000 - 005	Off (no Delay)
			006 - 255	0,1s to 2,0s

D7CH	D9CH	D12CH			
Channel	Channel	Channel	Function	Values	
	1	1	Dimmer	000 - 255	0% to 100%
		2	Dimmer fine	000 - 255	
	2		Strobe	000 - 005	Open
				006 - 255	Strobe slow to fast (<1Hz to 20Hz)
		3	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

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				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
		3	Strobe Functions	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
1	3	4	Red	000 - 255	0% to 100%
2	4	5	Green	000 - 255	0% to 100%
3	5	6	Blue	000 - 255	0% to 100%
4	6	7	White	000 - 255	0% to 100%
5	7	8	Amber	000 - 255	0% to 100%
6	8	9	UV	000 - 255	0% to 100%
				000 - 005	No function
				006 - 013	Red
				014 - 021	Amber
				022 - 029	Yellow warm
				030 - 037	Yellow
				038 - 045	Green
				046 - 053	Turquoise
				054 - 061	Cyan
				062 - 069	Blue
				070 - 077	Lavender
				078 - 085	Mauve
				086 - 093	Magenta
				094 - 101	Pink
				102 - 109	Warm White
				110 - 117	White
				118 - 125	Cold White
		10	Colour Presets (override Colour Mixing)	126 - 127	Colour Jumping/Fading Stop

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		10	Colour Presets (override Colour Mixing)	128 - 164	Colour Jumping slow to fast
				165 - 201	Colour Fading slow to fast
				202 - 207	User Colour 1
				208 - 213	User Colour 2
				214 - 219	User Colour 3
				220 - 225	User Colour 4
				226 - 255	No function
		11	Sound (Triggers Strobe, Colour Jumping & Fading)	000 - 005	No function
		006 - 255	Sound Control On, mic sensivity low to high		
7	9	12	DMX Delay	000 - 005	Off (no Delay)
				006 - 255	0,1s to 2,0s

D6CH			
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	Chase	000 - 005	No function
		006 - 026	Jump 10s to 4s
		027 - 127	Jump 4s to 0.1s
		128 - 148	Fade 10s to 4s
		149 - 255	Fade 4s to 0.1s
4	Colour Presets 1	000 - 005	No function
		006 - 013	Red
		014 - 021	Amber
		022 - 029	Yellow warm
		030 - 037	Yellow
		038 - 045	Green
		046 - 053	Turquoise
		054 - 061	Cyan
		062 - 069	Blue
		070 - 077	Lavender
078 - 085	Mauve		

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4	Colour Presets 1	086 - 093	Magenta
		094 - 101	Pink
		102 - 109	Warm White
		110 - 117	White
		118 - 125	Cold White
		126 - 127	Colour Jumping/Fading Stop
		128 - 164	Colour Jumping slow to fast
		165 - 201	Colour Fading slow to fast
		202 - 207	User Colour 1
		208 - 213	User Colour 2
		214 - 219	User Colour 3
		220 - 225	User Colour 4
		226 - 255	No function
5	Colour Presets 2	000 - 005	No function
		006 - 013	Red
		014 - 021	Amber
		022 - 029	Yellow warm
		030 - 037	Yellow
		038 - 045	Green
		046 - 053	Turquoise
		054 - 061	Cyan
		062 - 069	Blue
		070 - 077	Lavender
		078 - 085	Mauve
		086 - 093	Magenta
		094 - 101	Pink
		102 - 109	Warm White
		110 - 117	White
		118 - 125	Cold White
		126 - 127	Colour Jumping/Fading Stop
		128 - 164	Colour Jumping slow to fast
		165 - 201	Colour Fading slow to fast
		202 - 207	User Colour 1
		208 - 213	User Colour 2
		214 - 219	User Colour 3
		220 - 225	User Colour 4
		226 - 255	No function

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6	DMX Delay	000	-	005	Off (no Delay)
		006	-	255	0,1s to 2,0s