

DMX PROTOCOL

Channel	Value	Percent	Function
1 1- If DMX Reset is disabled in the menu, a reset command can only be executed if the CTC filter is selected, the prism is on (not rotating) and the open gobo is selected. 2 - If DMX Lamp Off is disabled in the menu, a lamp off command can only be executed if the CTC filter is selected, the prism is on (not rotating) and the open gobo is selected.	0 - 19	0 - 7	Shutter, Strobe, Reset, Lamp On/Off Shutter closed
	20 - 49	8 - 19	Shutter open
	50 - 72	20 - 28	Strobe, fast→slow
	73 - 79	29 - 31	Shutter open
	80 - 99	31 - 39	Opening pulse, fast→slow
	100 - 119	39 - 47	Closing pulse, fast→slow
	120 - 127	47 - 50	Shutter open
	128 - 147	50 - 58	Random strobe, fast
	148 - 167	58 - 65	Random strobe, medium
	168 - 187	66 - 73	Random strobe, slow
	188 - 190	74 - 75	Shutter open
	191 - 193	75 - 76	Random opening pulse, fast
	194 - 196	76 - 77	Random opening pulse, slow
	197 - 199	77 - 78	Random closing pulse, fast
	200 - 202	78 - 79	Random closing pulse, slow
	203 - 207	80 - 81	Shutter open
	208 - 217	82 - 85	Reset fixture, time > 5 seconds
	218 - 227	85 - 89	Shutter open
	228 - 237	89 - 93	Lamp on
	238 - 247	93 - 97	Shutter open
248 - 255	97 - 100	Lamp off: time > 5 seconds	
2	0 - 255	0 - 100	Dimmer Closed→open
3	0	0	Color Continuous Scroll: full color positions: White
	12	5	UV transmitter
	24	9	Yellow 603
	36	14	Blue 104
	48	19	Pink 312
	60	23	Green 206
	72	28	Blue 108
	84	33	Red 301
	96	37	Magenta 507
	108	42	Blue 101
	120	47	Orange 306
	132	42	Dark green
	144	56	Purple 502
	156 - 159	61 - 63	Stepped Scroll Purple 502
	160 - 163	63 - 64	Dark green
	164 - 167	64 - 65	Orange 306
	168 - 171	66 - 67	Blue 101
	172 - 175	67 - 68	Magenta 507
	176 - 179	69 - 70	Red 301
	180 - 183	70 - 72	Blue 108
	184 - 187	72 - 73	Green 206
	188 - 191	74 - 75	Pink 312
	192 - 195	75 - 76	Blue 104
	196 - 199	77 - 78	Yellow 603
	200 - 203	78 - 79	UV transmitter
	204 - 207	80 - 81	White
	208- 210	82	Random color Fast
	211 - 213	83	Medium
	214 - 217	84	Slow
	218 - 236	85 - 92	Continuous Rotation (use for animation discs) CW (select speed on channel 6)
	237 - 255	93 - 100	CCW (select speed on channel 6)

Channel	Value	Percent	Function	
4			Effects	
			Continuous Scroll: full effect positions:	
	0	0	Open	
	12	5	Effect 1	
	24	9	Effect 2	
	36	14	Effect 3	
	48	19	Effect 4	
	60	23	Effect 5	
	72	28	Effect 6	
	84	33	Effect 7	
	96	37	Effect 8	
	108	42	Effect 9	
	120	47	Effect 10	
	132	42	Effect 11	
	144	56	Effect 12	
				Stepped Scroll
	156 - 159	61 - 63	Effect 12	
	160 - 163	63 - 64	Effect 11	
	164 - 167	64 - 65	Effect 10	
	168 - 171	66 - 67	Effect 9	
	172 - 175	67 - 68	Effect 8	
	176 - 179	69 - 70	Effect 7	
	180 - 183	70 - 72	Effect 6	
	184 - 187	72 - 73	Effect 5	
	188 - 191	74 - 75	Effect 4	
	192 - 195	75 - 76	Effect 3	
196 - 199	77 - 78	Effect 2		
200 - 203	78 - 79	Effect 1		
204 - 207	80 - 81	Open		
			Random effect	
208 - 210	82	Fast		
211 - 213	83	Medium		
214 - 217	84	Slow		
			Continuous Rotation	
218 - 236	85 - 92	CW (select speed on ch 5)		
237 - 255	93 - 100	CCW (select speed on ch 5)		
5	0 - 5	0 - 3	Color Wheel Speed (or animation disc) No Rotation	
	6 - 255	4 - 100		Slow→Fast
6	0 - 5	0 - 3	Effect Wheel Speed No Rotation	
	6 - 255	4 - 100		Slow→Fast
7	0 - 255	0 - 100	Frost Sharp edge→Frost	
8	0 - 255	0 - 100	Focus Infinity→2 meters	
9			Reserved for macros.	
10			Effects Speed	
			Dimmer, focus, frost	
	0 - 2	0 - 1	Tracking mode	
	3 - 245	1 - 96	Fast→slow	
	246 - 251	96 - 98	Tracking	
	252 - 255	99 - 100	Maximum speed	
				Color (or animation disc)
	0 - 2	0 - 1	Tracking mode	
	3 - 245	1 - 96	Speed, fast→slow	
	246 - 248	96 - 97	Tracking, SCUT OFF (menu override)	
	249 - 251	98 - 98	Tracking, SCUT ON (menu override)	
	252 - 255	99 - 100	Blackout while moving	
				Effects
	0 - 245	0 - 96	Normal (no blackout)	
	246 - 248	96 - 97	Normal, SCUT OFF (menu override)	
	249 - 251	98 - 98	Normal, SCUT ON (menu override)	
252 - 255	99 - 100	Blackout while moving		