

DMX Protocol

Mode / Channel		DMX Value	Percent	Function	Default (%)
1	2				
1	1	0 – 23 24 – 49 50 – 255	0 – 9 10 – 19 20 – 100	Control Off Reset On	75
2	2	0 – 255	0 – 100	Dimmer Close > Open	0
3	3	0 – 255	0 – 100	Blades coarse (disabled in console fixture) 0 > 360°	100
4	4	0 – 255	0 – 100	Blades fine (disabled in console fixture)	
5	5	0 – 255	0 – 100	Red 0 > Full	100
6	6	0 – 255	0 – 100	Green 0 > Full	100
7	7	0 – 255	0 – 100	Blue 0 > Full	100
8	8	0 – 14 15 – 27 28 – 227 228 – 255	0 – 5 6 – 10 11 – 89 90 – 100	Shutter Open Closed 30 > 1440 bpm Open	0
9	9	0 – 12 13 – 255	0 – 5 5 – 100	Tilt all coarse (disabled in console fixture) Off 0 > 360°	0
10	10	0 – 255	0 – 100	Tilt all fine (disabled in console fixture)	
11	11	0 – 255	0 – 100	Tilt 1 coarse 0 > 360°	0
12	12	0 – 255	0 – 100	Tilt 1 fine	
13	13	0 – 255	0 – 100	Tilt 2 coarse 0 > 360°	0
14	14	0 – 255	0 – 100	Tilt 2 fine	
15	15	0 – 255	0 – 100	Tilt 3 coarse 0 > 360°	0
16	16	0 – 255	0 – 100	Tilt 3 fine	
17	17	0 – 255	0 – 100	Tilt 4 coarse 0 > 360°	0
18	18	0 – 255	0 – 100	Tilt 4 fine	

19		0 – 27 28 – 55 56 – 83 84 – 111 112 – 139 140 – 167 168 – 195 196 – 223 224 – 255	0 – 10 11 – 21 22 – 32 33 – 43 44 – 54 55 – 65 66 – 76 77 – 87 88 – 100	Gobo All 1 Beam 2 Beams 4 Beams 8 Beams 16 Beams 32 Beams 64 Beams 128 Beams 256 Beams	0
20		0 – 255	0 - 100	Index / Offset coarse (inactive for rotation) 0 > 360°	0
21		0 - 255	0 – 100	Index / Offset fine	
22		0 – 12 13 – 122 123 – 133 134 – 242 243 – 255		Rotation No rotation Rotation counter-clockwise fast > slow Stop at current position Rotation clockwise slow > fast No rotation	0
23		0 – 255	0 – 100	Gobo Size all coarse 0 > 360°	0
24		0 – 255	0 – 100	Gobo Size all fine	0
25				Reserved	
	19	0 – 27 28 – 55 56 – 83 84 – 111 112 – 139 140 – 167 168 – 195 196 – 223 224 – 255	0 – 10 11 – 21 22 – 32 33 – 43 44 – 54 55 – 65 66 – 76 77 – 87 88 – 100	Red Gobo 1 Beam 2 Beams 4 Beams 8 Beams 16 Beams 32 Beams 64 Beams 128 Beams 256 Beams	0
	20	0 – 255	0 - 100	Index / Offset Red coarse (not for rotation) 0 > 360°	0
	21			Index / Offset Red fine	
	22	0 – 12 13 – 122 123 – 133 134 – 242 243 – 255		Rotation Red coarse No rotation Rotation counter-clockwise fast > slow Stop at current position Rotation clockwise slow > fast No rotation	0
	23	0 – 255	0 – 100	Rotation Red fine	
	24	0 – 255	0 – 100	Gobo Size Red coarse 0 > 360°	0
	25	0 – 255	0 – 100	Gobo Size Red fine	

	26	0 – 27 28 – 55 56 – 83 84 – 111 112 – 139 140 – 167 168 – 195 196 – 223 224 – 255	0 – 10 11 – 21 22 – 32 33 – 43 44 – 54 55 – 65 66 – 76 77 – 87 88 – 100	Green Gobo 1 Beam 2 Beams 4 Beams 8 Beams 16 Beams 32 Beams 64 Beams 128 Beams 256 Beams	0
	27	0 – 255	0 - 100	Index/Offset Green coarse (not for rotation) 0 > 360°	0
	28	0 – 255	0 – 100	Index / Offset Green fine	
	29	0 – 12 13 – 122 123 – 133 134 – 242 243 – 255		Rotation Green coarse No rotation Rotation counter-clockwise fast > slow Stop at current position Rotation clockwise slow > fast No rotation	0
	30	0 – 255	0 – 100	Rotation Green fine	
	31	0 – 255	0 – 100	Gobo Size Green coarse 0 > 360°	0
	32	0 – 255	0 – 100	Gobo Size Green fine	
	33	0 – 27 28 – 55 56 – 83 84 – 111 112 – 139 140 – 167 168 – 195 196 – 223 224 – 255	0 – 10 11 – 21 22 – 32 33 – 43 44 – 54 55 – 65 66 – 76 77 – 87 88 – 100	Blue Gobo 1 Beam 2 Beams 4 Beams 8 Beams 16 Beams 32 Beams 64 Beams 128 Beams 256 Beams	0
	34	0 – 255	0 - 100	Index / Offset Blue coarse (not for rotation) 0 > 360°	0
	35			Index / Offset Blue fine	
	36	0 – 12 13 – 122 123 – 133 134 – 242 243 – 255		Rotation Blue coarse No rotation Rotation counter-clockwise fast > slow Stop at current position Rotation clockwise slow > fast No rotation	0
	37	0 – 255	0 – 100	Rotation Blue fine	
	38	0 – 255	0 – 100	Gobo Size Blue coarse 0 > 360°	0
	39	0 – 255	0 – 100	Gobo Size Blue fine	
	40			Reserved	
	41			Reserved	
	42			Reserved	
	43			Reserved	
	44			Reserved	
	45			Reserved	