

	DMX PROTOCOL CHART MODE 2				
	Address Dipswitch 7 off and 8 On for Mode 2				
Channel	Assignment	Channel Value (%)	Channel Value (numerical)	Channel Value (hex)	Construct Parameter
1	Pan coarse adjustment	0-100%	0-255	0-FF	Position
2	Pan fine adjustment	0-100%	0-255	0-FF	Position
3	Tilt coarse adjustment	0-100%	0-255	0-FF	Position
4	Tilt fine adjustment	0-100%	0-255	0-FF	Position
5	Color Wheel Full Speed	Full 98 96 94 93 91 90 88 87 85 83 82 80 79 77 76	255 250 245 240 237 232 230 224 222 217 211 209 204 201 196 194	FF FA F5 F0 ED E8 E6 E0 DE D9 D3 D1 CC C9 C4 C2	Color 1 (open) Half color 1 and 2 Color 2 Half color 2 and 3 Color 3 Half color 3 and 4 Color 4 Half color 4 and 5 Color 5 Half color 5 and 6 Color 6 Half color 6 and 7 Color 7 Half color 7 and 8 Color 8 Half color 8 and 1
	Color Wheel Mspeed	74 73 71 70 68 66 65 63 62 61 59 57 56 54 52 51	189 186 181 179 173 168 166 161 158 156 150 145 143 138 133 130	BD BA B5 B3 AD A8 A6 A1 9E 9C 96 91 8F 8A 85 82	Color 1 (open) Half color 1 and 2 Color 2 Half color 2 and 3 Color 3 Half color 3 and 4 Color 4 Half color 4 and 5 Color 5 Half color 5 and 6 Color 6 Half color 6 and 7 Color 7 Half color 7 and 8 Color 8 Half color 8 and 1
5	Color Wheel Spin Speed	50 26 25 0 0	127 66 64 2 0	7F 42 40 2	Forward spin speed – fastest • • • Forward spin speed – slowest Reverse spin speed – slowest • • Reverse spin speed – fastest Color 1 (open)
6	Cyan (Red)	0-100%	0-255	0-FF	Color Mix
7	Magenta (Green)	0-100%	0-255	0-FF	Color Mix
8	Yellow (Blue)	0-100%	0-255	0-FF	Color Mix
9	Static litho Full Speed	Full 98 96 94 93 91 90 88 87 85 83 82 80 79 77 76	255 250 245 240 237 232 230 224 222 217 211 209 204 201 196 194	FF FA F5 F0 ED E8 E6 E0 DE D9 D3 D1 CC C9 C4 C2	Litho 1 (open) Litho 1 shake wide Litho 2 Litho 2 shake wide Litho 3 Litho 3 shake wide Litho 4 Litho 4 shake wide Litho 5 Litho 5 shake wide Litho 6 Litho 6 shake wide Litho 7 Litho 7 shake wide Litho 8 Litho 8 shake wide

	Static litho Mspeed	74 73 71 70 68 66 65 63 62 61 59 57 56 54 52 51	189 186 181 179 173 168 166 161 158 156 150 145 143 138 133 130	BD BA B5 B3 AD A8 A6 A1 9E 9C 96 91 8F 8A 85 82	Litho 1 (open) Litho 1 shake narrow Litho 2 Litho 2 shake narrow Litho 3 Litho 3 shake narrow Litho 4 Litho 4 shake narrow Litho 5 Litho 5 shake narrow Litho 6 Litho 6 shake narrow Litho 7 Litho 7 shake narrow Litho 8 Litho 8 shake narrow
9	Static litho Spin Speed	50 26 25 0 0	127 66 64 2 0	7F 42 40 2 0	Forward spin speed – fastest • • • Forward spin speed – slowest Reverse spin speed – slowest • • • Reverse spin speed – fastest Litho 1 (open)
10	Rotating Litho <i>Full Speed</i>	Full 98 95 91 87 83 80 76 72 68 64 61 58 54	255 250 242 232 222 212 204 194 184 173 163 156 150 138	FF FA F2 E8 DE D4 CC C2 B8 AD A3 9C 96 8A	Position 3 (open) Reverse rotate 5 Reverse rotate 4 Reverse rotate 2 Reverse rotate 1 Forward rotate 5 Forward rotate 4 Forward rotate 2 Forward rotate 1 Position 5 Position 4 Position 3 (open) Position 2 Position 1
	MSpeed	50 46 42 39 36 32 28 24 20 17 13 10 5 0	127 117 107 99 92 82 71 61 51 43 33 26 13 0	7F 75 6B 63 5C 52 47 3D 33 2B 21 1A D 0	Reverse rotate 5 Reverse rotate 4 Reverse rotate 2 Reverse rotate 1 Forward rotate 5 Forward rotate 4 Forward rotate 2 Forward rotate 1 Position 5 Position 4 Position 3 (open) Position 2 Position 1 Position 3 (open)
11	Rotate (use with Channel 10)	0-100%	0-255	0-FF	For Rotating Litho rotate mode use Ch 11 to set rotation speed For Rotating Litho position mode use Ch 11 to set the index from 0 to 360 degrees
12	Zoom	0-100%	0-255	0-FF	Zoom in/out
13	Focus	0-100%	0-255	0-FF	Focus in/out
14	Iris	0-100%	0-255	0-FF	Iris open/close
15	Effects Wheel Full Speed	Full 96 91 85 80 73 67 62 56	255 245 232 217 204 186 171 158 143	FF F5 E8 D9 CC BA AB 9E 8F	Effect 4 – (open) Effect 8 – cyan color Effect 7 – diffusion Effect 6 – wide angle Effect 5 – magenta color Effect 4 – (open) Effect 3 – yellow color Effect 2 – CMY mosaic Effect 1 – prism
	Effects Wheel <i>MSpeed</i>	50 44 37 33 27 21 14 8 0	127 112 94 84 69 54 36 20 0	7F 70 5E 54 45 36 24 14 0	Effect 8 – cyan color Effect 7 – diffusion Effect 6 – wide angle Effect 5 – magenta color Effect 4 – (open) Effect 3 – yellow color Effect 2 – CMY mosaic Effect 1 – prism Effect 4 – (open)
16	Frost Frost variableNone	Full 50	255 129	FF 81	Frost – frost free • • • Frost – frost full
	Frost Full Frost Strobing (	50 0 0	126 2 0	7E 2 0	Frost strobing – fastest • • • Frost strobing – slowest Frost – frost free

17	Shutter <i>Strobe</i> 50 % duty	Full 98 97 1 1 0	255 250 247 4 1 0	FF FA F7 4 1 0	Open Closed Strobe speed – fastest . . . Strobe speed – slowest Open Closed
18	Dim	100 0	255 0	FF 0	No dim Full dim (blackout)
19	Motor Speed	Full 0	255-200 21 0	FF-C8 15 0	Speed 99 . . . Speed 1 Speed 95
20*	Control	50% 25%	128 64	80 40	shutdown home