

appendix a

DMX PROTOCOL

DMX channel offset				value	function
DMX1	DMX2	DMX3	DMX4		
0				0 - 9 10 - 49 50 - 177 178 - 207 208 - 217 218 - 227 228 - 237 238 - 247 248 - 255	Strobe, Fan, Reset Unit, Lamp ON/OFF Shutter closed No function Strobe on (Fast → Slow) No function Reset fixture No function Lamp ON (Power ON) No function Lamp OFF (Power OFF) (T > 5 seconds)
1					Intensity 0 → 100%
2					Cyan White → Cyan
3					Magenta White → Magenta
4					Yellow White → Yellow
5					Color Scroll 0 White 0 - 39 White → Color 1 40 Color 1 41 - 79 Color 1 → Color 2 80 Color 2 81 - 119 Color 2 → Color 3 120 Color 3 121 - 159 Color 3 → Color 4 160 Color 4 Fixed Colors 161 - 166 Color 4 167 - 172 Color 3 173 - 178 Color 2 179 - 184 Color 1 185 - 191 White Continuous Color Scroll 192 - 255 Fast → slow

DMX channel offset				value	function	
DMX1	DMX2	DMX3	DMX4			
6				0	Gobo Scroll Open	
				0 - 30	Open → Gobo 1	
				31	Gobo 1	
				32 - 57	Gobo 1 → Gobo 2	
				58	Gobo 2	
				59 - 82	Gobo 2 → Gobo 3	
				83	Gobo 3	
				84 - 105	Gobo 3 → Gobo 4	
				106	Gobo 4	
				107 - 125	Gobo 4 → Gobo 5	
				126	Gobo 5	
				127 - 161	Gobo 5 → Gobo 6	
				162	Gobo 6	
						Fixed Gobos
				163 - 166	Gobo 6	
				167 - 170	Gobo 5	
				171 - 174	Gobo 4	
				175 - 178	Gobo 3	
				179 - 182	Gobo 2	
183 - 186	Gobo 1					
187 - 191	Open					
		Continuous Gobo Scroll				
192 - 255	Fast → slow					
7				0 - 255	Frost Full OFF → Full ON	
8	-	8	-	0 127 255	Pan Max Left Neutral Max Right	
9	-	9	-	0 127 255	Tilt Max Up Neutral Max Down	
-	8	-	8	0 127 255	Pan MSB Max Left Neutral Max Right	
-	9	-	9	0 127 255	Pan LSB Max Left Neutral Max Right	
-	10	-	10	0 127 255	Tilt MSB Max Left Neutral Max Right	
-	11	-	11	0 127 255	Tilt LSB Max Up Neutral Max Down	

DMX channel offset				value	function
DMX1	DMX2	DMX3	DMX4		
-	-	10	12	0 - 2 3 - 251 252 - 255	Speed: Pan, Tilt Tracking Speed Fast → Slow Blackout while moving
-	-	11	13	0 - 2 3 - 251 252 - 255	Speed: Dimmer, Cyan, Magenta, Yellow Tracking Speed Fast → Slow Fast speed
-	-	11	13	0 - 2 3 - 251 252 - 255	Speed: Color, Gobo Tracking Speed Fast → Slow Fast speed