

DMX MAPPING

The fixture can be operated by DMX controller. The following tables assumes a DMX start address of 1. When a different starting address is used, this address becomes channel 1 function and other functions follow in sequence.

TABLE 1. SSCC

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
1	Intensity (High)	0	0 - 65535	16-bit Intensity (Dimmer) Control 0 - 100% Output
2	Intensity (Low)			
3	Strobe	0	0 - 255	Strobe S>>>>F
			0 - 9	No Strobe Function - Shutter open
			10 - 99	Strobe S>>>>F
			100 - 109	No Strobe Function - Shutter open
			110 - 179	Lighting Strobe S>>>>F
			180 - 189	No Strobe Function - Shutter open
			190 - 255	Random Strobe S>>>>F
4	Color Preset	0	0 - 255	Calibrated color presets 01 to 33 User definable color preset 01 to 20
			0 - 10	Channel OFF Color Mixing take priority
			11 - 14	Moroccan Pink
			15 - 18	Pink
			19 - 22	Flesh Pink
			23 - 26	Bright Rose
			27 - 30	Follies Pink
			31 - 34	Fuchsia Pink
			35 - 38	Surprise Pink
			39 - 42	Congo Blue
			43 - 46	Blue
			47 - 50	Virgin Blue
			51 - 54	Midnight Maya
			55 - 58	Double C.T Blue
			59 - 62	Slate Blue
			63 - 66	Regal Blue
			67 - 70	Full C.T Blue
			71 - 74	Steel Blue
			75 - 78	Lighter Blue
			79 - 82	Cyan
			83 - 86	Marine Blue
			87 - 90	Soft Green
			91 - 94	Moss Green
95 - 98	Green			
99 - 102	Fem Green			
103 - 106	JAS Green			
107 - 110	Pale Green			
111 - 114	Spring Yellow			

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DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
4	Color Preset continued	0	115 - 118	Yellow
			119 - 122	Deep Amber
			123 - 126	Chrome Orange
			127 - 130	Orange
			131 - 134	Magenta
			135 - 138	Flame Red
			139 - 142	Purple
			143 - 146	User Preset 1 Includes Intensity, Gobo and Edge Data
			147 - 150	User Preset 2 Includes Intensity, Gobo and Edge Data
			151 - 154	User Preset 3 Includes Intensity, Gobo and Edge Data
			155 - 158	User Preset 4 Includes Intensity, Gobo and Edge Data
			159 - 162	User Preset 5 Includes Intensity, Gobo and Edge Data
			163 - 166	User Preset 6 Includes Intensity, Gobo and Edge Data
			167 - 170	User Preset 7 Includes Intensity, Gobo and Edge Data
			171 - 174	User Preset 8 Includes Intensity, Gobo and Edge Data
			175 - 178	User Preset 9 Includes Intensity, Gobo and Edge Data
			179 - 182	User Preset 10 Includes Intensity, Gobo and Edge Data
			183 - 186	User Preset 11 Includes Intensity, Gobo and Edge Data
			187 - 190	User Preset 12 Includes Intensity, Gobo and Edge Data
			191 - 194	User Preset 13 Includes Intensity, Gobo and Edge Data
			195 - 198	User Preset 14 Includes Intensity, Gobo and Edge Data
			199 - 202	User Preset 15 Includes Intensity, Gobo and Edge Data
			203 - 206	User Preset 16 Includes Intensity, Gobo and Edge Data
207 - 210	User Preset 17 Includes Intensity, Gobo and Edge Data			
211 - 214	User Preset 18 Includes Intensity, Gobo and Edge Data			
215 - 218	User Preset 19 Includes Intensity, Gobo and Edge Data			
219 - 222	User Preset 20 Includes Intensity, Gobo and Edge Data			
223 - 255	Channel OFF Color Mixing take priority			
5	Zoom	128	0 - 255	8 Bit Motorized Zoom control 0 - 100% 0 = 15° 100% = 30°
6	Focus (High)	32767	0 - 65535	16-bit Motorized Focus control
7	Focus (Low)			
8	Gobo Index (High)	32767	0 - 65535	Gobo Index / Rotation Switched mode via channel 10
9	Gobo Index (Low)		32780 - 65535	Clockwise Index / Rotation S>>>>>>F
			32754 - 32780	Stop
		0 - 32754	Counter Clockwise Index / Rotation S>>>>>>F	
10	Gobo Mode	0	0 - 255	Gobo Index/ Rotation Mode Control
			0 - 50	Gobo Index Mode
			51 - 100	Gobo Rotation Mode
			101 - 255	Reserved Values

TABLE 1. SSCC

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
11	Control Channel	0	0 - 255	Control Channel used for full fixture settings, lamp controls, and miscellaneous modes. Set discrete value of desired effect, wait >3 seconds, then set value to 0 (Idle). **Function does not require 3 Second rule to active, setting output to value will automatically activate function
			0 - 5	Idle (Default)
			6 - 10	Full Luminaire ReCal - Also Used to Wake fixture up from shutdown
			11 - 15	Fixture Shutdown
			16 - 20	Reserved Values
			21 - 25	Display - Menu ON
			26 - 30	Display - Menu OFF
			31 - 35	Tungsten Dimming On**
			36 - 40	Tungsten Dimming Off (Default)**
			41 - 45	Dimming Curve Linear**
			46 - 50	Dimming Curve S-Curve**
			51 - 55	Dimming Curve Square Curve (Default)**
			56 - 60	Reserved
			61 - 65	Dimmer Snap On**
			66 - 70	Dimmer Snap Off (Default)**
			71 - 150	Reserved Values
			151 - 155	Record User Color Preset**
			156 - 170	Reserved Values
171 - 175	Reset fixture to default			
176 - 255	Reserved Values			
12	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation
13	Cyan (Low)			6 Color LED array auto adjust to meet Cyan / mixed color point of full available color spectrum
14	Yellow (High)	0	0 - 65535	Yellow Color Level Control 0 - 100% Saturation
15	Yellow (Low)			6 Color LED array auto adjust to meet Yellow / mixed color point of full available color spectrum
16	Magenta (High)	0	0 - 65535	Magenta Color Level Control 0 - 100% Saturation
17	Magenta (Low)			6 Color LED array auto adjust to meet Magenta / mixed color point of full available color spectrum

TABLE 1. SSCC

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
18	CCT	75	0 - 250	Variable color temperature control channel Channel works independent of color mixing channel and will adjust all mixed color from selected color temperature level. Values stated below are a for guidance only channel should be mapped in such away that channel level runs variable from 0 - 250
			0	1800K
			25	2700K
			50	3000K
			75	3200K (Default)
			100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
19	Green Shift	0	0 - 255	TV Camera Green Shift adjustment Channel works independent of color mixing channel and will adjust all mixed color from to reduce green color for camera use 0 to -100% Minus Green Levels 100% = to Lee Filter Full minus Green 247

TABLE 2. SQCC

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
1	Intensity (High)	0	0 - 65535	16bit Intensity (Dimmer) Control
2	Intensity (Low)			0 - 100% Output
3	Strobe	0	0 - 255	Strobe S>>>>>F
			0 - 9	No Strobe Function - Shutter open
			10 - 99	Strobe S>>>>>F
			100 - 109	No Strobe Function - Shutter open
			110 - 179	Lighting Strobe S>>>>>F
			180 - 189	No Strobe Function - Shutter open
190 - 255	Random Strobe S>>>>>F			

TABLE 2. SQCC

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
4	Color Preset	0	0 - 255	Calibrated color presets 01 to 33 User definable color preset 01 to 20
			0 - 10	Channel OFF Color Mixing take priority
			11 - 14	Moroccan Pink
			15 - 18	Pink
			19 - 22	Flesh Pink
			23 - 26	Bright Rose
			27 - 30	Follies Pink
			31 - 34	Fuchsia Pink
			35 - 38	Surprise Pink
			39 - 42	Congo Blue
			43 - 46	Blue
			47 - 50	Virgin Blue
			51 - 54	Midnight Maya
			55 - 58	Double C.T Blue
			59 - 62	Slate Blue
			63 - 66	Regal Blue
			67 - 70	Full C.T Blue
			71 - 74	Steel Blue
			75 - 78	Lighter Blue
			79 - 82	Cyan
			83 - 86	Marine Blue
			87 - 90	Soft Green
			91 - 94	Moss Green
			95 - 98	Green
			99 - 102	Fem Green
			103 - 106	JAS Green
			107 - 110	Pale Green
			111 - 114	Spring Yellow
			115 - 118	Yellow
			119 - 122	Deep Amber
			123 - 126	Chrome Orange
			127 - 130	Orange
131 - 134	Magenta			
135 - 138	Flame Red			
139 - 142	Purple			
143 - 146	User Preset 1 Includes Intensity, Gobo and Edge Data			
147 - 150	User Preset 2 Includes Intensity, Gobo and Edge Data			

TABLE 2. SQCC

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
4	Color Preset continued	0	151 - 154	User Preset 3 Includes Intensity, Gobo and Edge Data
			155 - 158	User Preset 4 Includes Intensity, Gobo and Edge Data
			159 - 162	User Preset 5 Includes Intensity, Gobo and Edge Data
			163 - 166	User Preset 6 Includes Intensity, Gobo and Edge Data
			167 - 170	User Preset 7 Includes Intensity, Gobo and Edge Data
			171 - 174	User Preset 8 Includes Intensity, Gobo and Edge Data
			175 - 178	User Preset 9 Includes Intensity, Gobo and Edge Data
			179 - 182	User Preset 10 Includes Intensity, Gobo and Edge Data
			183 - 186	User Preset 11 Includes Intensity, Gobo and Edge Data
			187 - 190	User Preset 12 Includes Intensity, Gobo and Edge Data
			191 - 194	User Preset 13 Includes Intensity, Gobo and Edge Data
			195 - 198	User Preset 14 Includes Intensity, Gobo and Edge Data
			199 - 202	User Preset 15 Includes Intensity, Gobo and Edge Data
			203 - 206	User Preset 16 Includes Intensity, Gobo and Edge Data
			207 - 210	User Preset 17 Includes Intensity, Gobo and Edge Data
			211 - 214	User Preset 18 Includes Intensity, Gobo and Edge Data
			215 - 218	User Preset 19 Includes Intensity, Gobo and Edge Data
219 - 222	User Preset 20 Includes Intensity, Gobo and Edge Data			
223 - 255	Channel OFF Color Mixing take priority			
5	Zoom	128	0 - 255	8 Bit Motorized Zoom control 0 - 100% 0 = 15° 100% = 30°
6	Focus (High)	32767	0 - 65535	16 Bit Motorized Focus control
7	Focus (Low)			
8	Gobo Index (High)	32767	0 - 65535	Gobo Index / Rotation Switched mode via channel 10
9	Gobo Index (Low)		32780 - 65535	Clockwise Index / Rotation S>>>>>>F
			32754 - 32780	Stop
		0 - 32754	Counter Clockwise Index / Rotation S>>>>>>F	
10	Gobo Mode	0	0 - 255	Gobo Index/ Rotation Mode Control
			0 - 50	Gobo Index Mode
			51 - 100	Gobo Rotation Mode
			101 - 255	Reserved Values

TABLE 3. SOCC

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
1	Intensity (High)	0	0 - 65535	16bit Intensity (Dimmer) Control
2	Intensity (Low)			0 - 100% Output
3	Strobe	0	0 - 255	Strobe S>>>>>F
			0 - 9	No Strobe Function - Shutter open
			10 - 99	Strobe S>>>>>F
			100 - 109	No Strobe Function - Shutter open
			110 - 179	Lighting Strobe S>>>>>F
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			31 - 35	Tungsten Dimming On**
			36 - 40	Tungsten Dimming Off (Default)**
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			46 - 50	Dimming Curve S-Curve**
			51 - 55	Dimming Curve Square Curve (Default)**
			56 - 60	Reserved
			61 - 65	Dimmer Snap On**
			66 - 70	Dimmer Snap Off (Default)**
			71 - 150	Reserved Values
			151 - 155	Record User Color Preset**
			156 - 170	Reserved Values
171 - 175	Reset fixture to default			
176 - 255	Reserved Values			
12	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation
13	Red (Low)			
14	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation
15	Green (Low)			
16	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation
17	Blue (Low)			
18	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation
19	Amber (Low)			
20	Lime (High)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation
21	Lime (Low)			
22	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation
23	Cyan (Low)			