

Mode	Function / Name	Footprint	Bit Depth	Note
1	1-Hybrid Plus	6	8 Bit	Int, CCT
2	2-Hybrid Plus	8	16 Bit	Int, CCT
3	3-Spectrum	9	8 Bit	Int, CCT, Tint, Sat, Hue
4	4-Spectrum	13	16 Bit	Int, CCT, Tint, Sat, Hue
5	5-Spectrum, Pixel	9 - 64*	8 Bit	Int, CCT, Tint, Sat, Hue
6	6-Spectrum, Pixel	13 - 112*	16 Bit	Int, CCT, Tint, Sat, Hue
7	7-Spectrum, Gradient	10	8 Bit	Int, CCT, Tint, Sat, Hue
8	8-Spectrum-RGBATD	13	8 Bit	Int, CCT, Tint, R, G, B, A, T, D
9	9-Spectrum-RGBATD	21	16 Bit	Int, CCT, Tint, R, G, B, A, T, D
10	10-Spectrum-RGBATD, Pixel	13 - 112*	8 Bit	Int, CCT, Tint, R, G, B, A, T, D
11	11-Spectrum-RGBATD, Pixel	21 - 208	16 Bit	Int, CCT, Tint, R, G, B, A, T, D
12	12-RGBATD	11	8 Bit	Int, R, G, B, A, T, D
13	13-RGBATD	18	16 Bit	Int, R, G, B, A, T, D
14	14-RGBATD, Pixel	11 - 88	8 Bit	Int, R, G, B, A, T, D
15	15-RGBATD, Pixel	18 - 172	16 Bit	Int, R, G, B, A, T, D
16	16-V.RGB	7	8 Bit	Video, R, G, B with fixed Tint (0) and CCT (6500)
17	17-V.RGB	10	16 Bit	Video, R, G, B with fixed Tint (0) and CCT (6500)
18	18-V.RGB, Pixel	7 - 10*	8 Bit	Video, R, G, B with fixed Tint (0) and CCT (6500)
19	19-V.RGB, Pixel	10 - 76*	16 Bit	Video, R, G, B with fixed Tint (0) and CCT (6500)
20	20-V.RGB, Spectrum		12	8 Bit Int, CCT, Tint, CS, Depth, R, G, B
21	21-V.RGB, Spectrum	18	16 Bit	Int, CCT, Tint, CS, Depth, R, G, B
22	22-V.RGB, Spectrum, Pixel	12 - 45*	8 Bit	Int, CCT, Tint, CS, Depth, R, G, B
23	23-V.RGB, Spectrum, Pixel	18 - 84*	16 Bit	Int, CCT, Tint, CS, Depth, R, G, B
24	24-x,y Coordinates	7	8 Bit	Int, x Value, y Value
25	25-x,y Coordinates	10	16 Bit	Int, x Value, y Value
26	26-x,y Coordinates, Pixel	7 - 40*	8 Bit	Int, x Value, y Value
27	27-x,y Coordinates, Pixel	10 - 76*	16 Bit	Int, x Value, y Value

* = footprint depends on number of pixels

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

Mode 1 - Bi-Color, Hybrid+, 8-Bit

DMX Address	Function	DMX Value	Output
1	Intensity	000 to 255	0 to 100%
2	CCT	000 to 255	2,600 to 6,000K
3	DMX Smoothing	000 to 255	100% to 0 Smoothing
4	Reserved for Future Use		
5	Reserved for Future Use		
6	Reserved for Future Use		

Mode 2 - Bi-Color, Hybrid+, 16-Bit

DMX Address	Function	DMX Value	Output
1 & 2	Intensity - HI & LO	00000 to 65535	0 to 100%
3 & 4	CCT - HI & LO	00000 to 65535	2,600 to 6,000K
5	DMX Smoothing	000 to 255	100% to 0 Smoothing
6	Reserved for Future Use		
7	Reserved for Future Use		
8	Reserved for Future Use		

SPE SPECTRUM OS 3.1

SPECTRUM MODES

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

Mode 3 - Spectrum, 8-Bit

DMX Channel	Function	DMX Value	Output
1	Intensity	000 to 255	0 to 100%
2	CCT	000 to 255	2000 to 11,000K
3	Tint	000 to 010	Neutral
		011 to 020	Full Minus Green
		021 to 119	Minus Green to Neutral 99% -> 1%
		120 to 145	Neutral
		146 to 244	Neutral to Plus Green 1% -> 99%
245 to 255	Full Plus Green		
4	Saturation	000 to 255	0 to 100%
5	Hue	000 to 255	0 to 359°
6	DMX Smoothing	000 to 255	100% to 0% Smoothing
7	Reserved for Future Use		
8	Reserved for Future Use		
9	Reserved for Future Use		

Mode 4 - Spectrum, 16-Bit

DMX Channel	Function	DMX Value	Output
1 & 2	Intensity - HI & LO	00000 to 65535	0 to 100%
3 & 4	CCT - HI & LO	00000 to 65535	2000 to 11,000K
5	Tint	000 to 010	Neutral
		011 to 020	Full Minus Green
		021 to 119	Minus Green to Neutral 99% -> 1%
		120 to 145	Neutral
		146 to 244	Neutral to Plus Green 1% -> 99%
245 to 255	Full Plus Green		
6 & 7	Saturation - HI & LO	00000 to 65535	0 to 100%
8 & 9	Hue - HI & LO	00000 to 65535	0 to 359°
10	DMX Smoothing	000 to 255	100% to 0 Smoothing
11	Reserved for Future Use		
12	Reserved for Future Use		
13	Reserved for Future Use		

Mode 5 - Spectrum, Pixel, 8-Bit

DMX Channel	Function	DMX Value	Output	Pixel
1	Intensity - Pixel 1	000 to 255	0 to 100%	Pixel 1
2	CCT - Pixel 1	000 to 255	2,000 to 11,000K	Pixel 1
3	Tint - Pixel 1	000 to 010	Neutral	Pixel 1
		011 to 020	Full Minus Green	Pixel 1
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 1
		120 to 145	Neutral	Pixel 1
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 1
		245 to 255	Full Plus Green	Pixel 1
4	Saturation - Pixel 1	000 to 255	0 to 100%	Pixel 1
5	Hue - Pixel 1	000 to 255	0 to 359°	Pixel 1
6*	Intensity - Pixel 2	000 to 255	0 to 100%	Pixel 2
7*	CCT - Pixel 2	000 to 255	2,000 to 11,000K	Pixel 2
8*	Tint - Pixel 2	000 to 010	Neutral	Pixel 2
		011 to 020	Full Minus Green	Pixel 2
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 2
		120 to 145	Neutral	Pixel 2
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 2
		245 to 255	Full Plus Green	Pixel 2
9*	Saturation - Pixel 2	000 to 255	0 to 100%	Pixel 2
10*	Hue - Pixel 2	000 to 255	0 to 359°	Pixel 2
11*	Intensity - Pixel 3	000 to 255	0 to 100%	Pixel 3
12*	CCT - Pixel 3	000 to 255	2,000 to 11,000K	Pixel 3
13*	Tint - Pixel 3	000 to 010	Neutral	Pixel 3
		011 to 020	Full Minus Green	Pixel 3
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 3
		120 to 145	Neutral	Pixel 3
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 3
		245 to 255	Full Plus Green	Pixel 3
14*	Saturation - Pixel 3	000 to 255	0 to 100%	Pixel 3
15*	Hue - Pixel 3	000 to 255	0 to 359°	Pixel 3
16*	Intensity - Pixel 4	000 to 255	0 to 100%	Pixel 4
17*	CCT - Pixel 4	000 to 255	2,000 to 11,000K	Pixel 4
18*	Tint - Pixel 4	000 to 010	Neutral	Pixel 4
		011 to 020	Full Minus Green	Pixel 4
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 4
		120 to 145	Neutral	Pixel 4
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 4
		245 to 255	Full Plus Green	Pixel 4
19*	Saturation - Pixel 4	000 to 255	0 to 100%	Pixel 4
20*	Hue - Pixel 4	000 to 255	0 to 359°	Pixel 4
21*	Intensity - Pixel 5	000 to 255	0 to 100%	Pixel 5
22*	CCT - Pixel 5	000 to 255	2,000 to 11,000K	Pixel 5
23*	Tint - Pixel 5	000 to 010	Neutral	Pixel 5
		011 to 020	Full Minus Green	Pixel 5
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 5
		120 to 145	Neutral	Pixel 5
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 5
		245 to 255	Full Plus Green	Pixel 5
24*	Saturation - Pixel 5	000 to 255	0 to 100%	Pixel 5
25*	Hue - Pixel 5	000 to 255	0 to 359°	Pixel 5

* = footprint depends on number of pixels.

Mode 5 - Spectrum, Pixel, 8-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
26*	Intensity - Pixel 6	000 to 255	0 to 100%	Pixel 6
27*	CCT - Pixel 6	000 to 255	2,000 to 11,000K	Pixel 6
28*	Tint - Pixel 6	000 to 010	Neutral	Pixel 6
		011 to 020	Full Minus Green	Pixel 6
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 6
		120 to 145	Neutral	Pixel 6
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 6
		245 to 255	Full Plus Green	Pixel 6
29*	Saturation - Pixel 6	000 to 255	0 to 100%	Pixel 6
30*	Hue - Pixel 6	000 to 255	0 to 359°	Pixel 6
31*	Intensity - Pixel 7	000 to 255	0 to 100%	Pixel 7
32*	CCT - Pixel 7	000 to 255	2,000 to 11,000K	Pixel 7
33*	Tint - Pixel 7	000 to 010	Neutral	Pixel 7
		011 to 020	Full Minus Green	Pixel 7
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 7
		120 to 145	Neutral	Pixel 7
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 7
		245 to 255	Full Plus Green	Pixel 7
34*	Saturation - Pixel 7	000 to 255	0 to 100%	Pixel 7
35*	Hue - Pixel 7	000 to 255	0 to 359°	Pixel 7
36*	Intensity - Pixel 8	000 to 255	0 to 100%	Pixel 8
37*	CCT - Pixel 8	000 to 255	2,000 to 11,000K	Pixel 8
38*	Tint - Pixel 8	000 to 010	Neutral	Pixel 8
		011 to 020	Full Minus Green	Pixel 8
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 8
		120 to 145	Neutral	Pixel 8
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 8
		245 to 255	Full Plus Green	Pixel 8
39*	Saturation - Pixel 8	000 to 255	0 to 100%	Pixel 8
40*	Hue - Pixel 8	000 to 255	0 to 359°	Pixel 8
41*	Intensity - Pixel 9	000 to 255	0 to 100%	Pixel 9
42*	CCT - Pixel 9	000 to 255	2,000 to 11,000K	Pixel 9
43*	Tint - Pixel 9	000 to 010	Neutral	Pixel 9
		011 to 020	Full Minus Green	Pixel 9
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 9
		120 to 145	Neutral	Pixel 9
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 9
		245 to 255	Full Plus Green	Pixel 9
44*	Saturation - Pixel 9	000 to 255	0 to 100%	Pixel 9
45*	Hue - Pixel 9	000 to 255	0 to 359°	Pixel 9
46*	Intensity - Pixel 10	000 to 255	0 to 100%	Pixel 10
47*	CCT - Pixel 10	000 to 255	2,000 to 11,000K	Pixel 10
48*	Tint - Pixel 10	000 to 010	Neutral	Pixel 10
		011 to 020	Full Minus Green	Pixel 10
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 10
		120 to 145	Neutral	Pixel 10
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 10
		245 to 255	Full Plus Green	Pixel 10
49*	Saturation - Pixel 10	000 to 255	0 to 100%	Pixel 10
50*	Hue - Pixel 10	000 to 255	0 to 359°	Pixel 10

* = footprint depends on number of pixels

Mode 5 - Spectrum, Pixel, 8-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
51*	Intensity - Pixel 11	000 to 255	0 to 100%	Pixel 11
52*	CCT - Pixel 11	000 to 255	2,000 to 11,000K	Pixel 11
53*	Tint - Pixel 11	000 to 010	Neutral	Pixel 11
		011 to 020	Full Minus Green	Pixel 11
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 11
		120 to 145	Neutral	Pixel 11
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 11
		245 to 255	Full Plus Green	Pixel 11
54*	Saturation - Pixel 11	000 to 255	0 to 100%	Pixel 11
55*	Hue - Pixel 11	000 to 255	0 to 359°	Pixel 11
56*	Intensity - Pixel 12	000 to 255	0 to 100%	Pixel 12
57*	CCT - Pixel 12	000 to 255	2,000 to 11,000K	Pixel 12
58*	Tint - Pixel 12	000 to 010	Neutra	Pixel 12
		011 to 020	Full Minus Green	Pixel 12
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 12
		120 to 145	Neutral	Pixel 12
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 12
		245 to 255	Full Plus Green	Pixel 12
59*	Saturation - Pixel 12	000 to 255	0 to 100%	Pixel 12
60*	Hue - Pixel 12	000 to 255	0 to 359°	Pixel 12
61	DMX Smoothing	000 to 255	100% to 0 Smoothing	
62			Reserved for Future Use	
63			Reserved for Future Use	
64			Reserved for Future Use	

Mode 6 - Spectrum, Pixel, 16-Bit

DMX Channel	Function	DMX Value	Output	Pixel
1 & 2	Intensity - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
3 & 4	CCT - Pixel 1 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 1
5	Tint - Pixel 1	000 to 010	Neutral	Pixel 1
		011 to 020	Full Minus Green	
		021 to 119	Minus Green to Neutral 99% -> 1%	
		120 to 145	Neutral	
		146 to 244	Neutral to Plus Green 1% -> 99%	
		245 to 255	Full Plus Green	
6 & 7	Saturation - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
8 & 9	Hue - Pixel 1 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 1
10 & 11*	Intensity - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
12 & 13*	CCT - Pixel 2 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 2
14*	Tint - Pixel 2	000 to 010	Neutral	Pixel 2
		011 to 020	Full Minus Green	Pixel 2
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 2
		120 to 145	Neutral	Pixel 2
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 2
		245 to 255	Full Plus Green	Pixel 2
15 & 16*	Saturation - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
17 & 18*	Hue - Pixel 2 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 2

* = footprint depends on number of pixels

Mode 6 - Spectrum, Pixel, 16-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
19 & 20*	Intensity - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
21 & 22*	CCT - Pixel 3 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 3
23*	Tint - Pixel 3	000 to 010	Neutral	Pixel 3
		011 to 020	Full Minus Green	Pixel 3
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 3
		120 to 145	Neutral	Pixel 3
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 3
		245 to 255	Full Plus Green	Pixel 3
24 & 25*	Saturation - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
26 & 27*	Hue - Pixel 3 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 3
28 & 29*	Intensity - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
30 & 31*	CCT - Pixel 4 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 4
32*	Tint - Pixel 4	000 to 010	Neutral	Pixel 4
		011 to 020	Full Minus Green	Pixel 4
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 4
		120 to 145	Neutral	Pixel 4
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 4
		245 to 255	Full Plus Green	Pixel 4
33 & 34*	Saturation - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
35 & 36*	Hue - Pixel 4 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 4
37 & 38*	Intensity - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
39 & 40*	CCT - Pixel 5 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 5
41*	Tint - Pixel 5	000 to 010	Neutral	Pixel 5
		011 to 020	Full Minus Green	Pixel 5
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 5
		120 to 145	Neutral	Pixel 5
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 5
		245 to 255	Full Plus Green	Pixel 5
42 & 43*	Saturation - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
44 & 45*	Hue - Pixel 5 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 5
46 & 47*	Intensity - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
48 & 49*	CCT - Pixel 6 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 6
50*	Tint - Pixel 6	000 to 010	Neutral	Pixel 6
		011 to 020	Full Minus Green	Pixel 6
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 6
		120 to 145	Neutral	Pixel 6
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 6
		245 to 255	Full Plus Green	Pixel 6
51 & 52*	Saturation - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
53 & 54*	Hue - Pixel 6 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 6
55 & 56*	Intensity - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
57 & 58*	CCT - Pixel 7 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 7

* = footprint depends on number of pixels

Mode 6 - Spectrum, Pixel, 16-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
59*	Tint - Pixel 7	000 to 010	Neutral	Pixel 7
		011 to 020	Full Minus Green	Pixel 7
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 7
		120 to 145	Neutral	Pixel 7
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 7
		245 to 255	Full Plus Green	Pixel 7
60 & 61*	Saturation - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
62 & 63*	Hue - Pixel 7 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 7
64 & 65*	Intensity - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
66 & 67*	CCT - Pixel 8 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 8
68*	Tint - Pixel 8	000 to 010	Neutral	Pixel 8
		011 to 020	Full Minus Green	Pixel 8
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 8
		120 to 145	Neutral	Pixel 8
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 8
		245 to 255	Full Plus Green	Pixel 8
69 & 70*	Saturation - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
71 & 72*	Hue - Pixel 8 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 8
73 & 74*	Intensity - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
75 & 76*	CCT - Pixel 9 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 9
77*	Tint - Pixel 9	000 to 010	Neutral	Pixel 9
		011 to 020	Full Minus Green	Pixel 9
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 9
		120 to 145	Neutral	Pixel 9
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 9
		245 to 255	Full Plus Green	Pixel 9
78 & 79*	Saturation - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
80 & 81*	Hue - Pixel 9 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 9
82 & 83*	Intensity - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
84 & 85*	CCT - Pixel 10 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 10
86*	Tint - Pixel 10	000 to 010	Neutral	Pixel 10
		011 to 020	Full Minus Green	Pixel 10
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 10
		120 to 145	Neutral	Pixel 10
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 10
		245 to 255	Full Plus Green	Pixel 10
87 & 88*	Saturation - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
89 & 90*	Hue - Pixel 10 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 10
91 & 92*	Intensity - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
93 & 94*	CCT - Pixel 11 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 11
95*	Tint - Pixel 11	000 to 010	Neutral	Pixel 11
		011 to 020	Full Minus Green	Pixel 11
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 11
		120 to 145	Neutral	Pixel 11
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 11
		245 to 255	Full Plus Green	Pixel 11
96 & 97*	Saturation - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
98 & 99*	Hue - Pixel 11 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 11

* = footprint depends on number of pixels

Mode 6 - Spectrum, Pixel, 16-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
100 & 101*	Intensity - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
102 & 103*	CCT - Pixel 12 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 12
104*	Tint - Pixel 12	000 to 010	Neutral	Pixel 12
		011 to 020	Full Minus Green	Pixel 12
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 12
		120 to 145	Neutral	Pixel 12
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 12
		245 to 255	Full Plus Green	Pixel 12
105 & 106*	Saturation - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
107 & 108*	Hue - Pixel 12 - HI & LO	00000 to 65535	0 to 359.9°	Pixel 12
109	DMX Smoothing	000 to 255	100% to 0 Smoothing	
110	Reserved for Future Use			
111	Reserved for Future Use			
112	Reserved for Future Use			

* = footprint depends on number of pixels

Mode 7 - Spectrum, Gradient

DMX Channel	Function	DMX Value	Output
1	Intensity - Pixel A	000 to 255	0 to 100%
2	CCT - Pixel A	000 to 255	2,000 to 11,000 K
3	Tint - Pixel A	000 to 010 011 to 020 021 to 119 120 to 145 146 to 244 245 to 255	Neutral Full Minus Green Minus Green to Neutral 99% -> 1% Neutral Neutral to Plus Green 1% -> 99% Full Plus Green
4	Saturation - Pixel A	000 to 255	0 to 100%
5	Hue - Pixel A	000 to 255	0 to 359°
6	Intensity - Pixel Z	000 001 to 255	Disabled 1 to 100%
7	CCT - Pixel Z	000 001 to 255	Disabled 2,010 to 11,000 K
8	Tint - Pixel Z	000 001 to 010 011 to 020 021 to 119 120 to 145 146 to 244	Disabled Neutral Full Minus Green Minus Green to Neutral 99% -> 1% Neutral Neutral
9	Saturation - Pixel Z	000 001 to 255	Disabled 1 to 100%
10	Hue - Pixel Z	000 001 to 255	Disabled 1 to 359°

Mode 8 - Spectrum-RGBATD, 8-Bit

DMX Channel	Function	DMX Value	Output
1	Intensity	000 to 255	0 to 100%
2	CCT	000 to 255	2,000 to 11,000K
3	Tint	000 to 010	Neutral
		011 to 020	Full Minus Green
		021 to 119	Minus Green to Neutral 99% -> 1%
		120 to 145	Neutral
		146 to 244	Neutral to Plus Green 1% -> 99%
		245 to 255	Full Plus Green
4	Red	000 to 255	0 to 100%
5	Green	000 to 255	0 to 100%
6	Blue	000 to 255	0 to 100%
7	Amber	000 to 255	0 to 100%
8	Tungsten	000 to 255	0 to 100%
9	Daylight	000 to 255	0 to 100%
10	DMX Smoothing	000 to 255	100% to 0 Smoothing
11	Reserved for Future Use		
12	Reserved for Future Use		
13	Reserved for Future Use		

Mode 9 - Spectrum-RGBATD, 16-Bit

DMX Channel	Function	DMX Value	Output
1 & 2	Intensity - HI & LO	00000 to 65535	0 to 100%
3 & 4	CCT - HI & LO	00000 to 65535	2,000 to 11,000K
5	Tint	00 to 010	Neutral
		011 to 020	Full Minus Green
		021 to 119	Minus Green to Neutral 99% -> 1%
		120 to 145	Neutral
		146 to 244	Neutral to Plus Green 1% -> 99%
		245 to 255	Full Plus Green
6 & 7	Red - HI & LO	00000 to 65535	0 to 100%
8 & 9	Green - HI & LO	00000 to 65535	0 to 100%
10 & 11	Blue - HI & LO	00000 to 65535	0 to 100%
12 & 13	Amber - HI & LO	00000 to 65535	0 to 100%
14 & 15	Tungsten - HI & LO	00000 to 65535	0 to 100%
16 & 17	Daylight - HI & LO	00000 to 65535	0 to 100%
18	DMX Smoothing	000 to 255	100% to 0 Smoothing
19	Reserved for Future Use		
20	Reserved for Future Use		
21	Reserved for Future Use		

Mode 10 - Spectrum-RGBATD, Pixel, 8-Bit

DMX Channel	Function	DMX Value	Output	Pixel
1	Intensity - Pixel 1	000 to 255	0 to 100%	Pixel 1
2	CCT - Pixel 1	000 to 255	2,000 to 11,000K	Pixel 1
3	Tint - Pixel 1	000 to 010	Neutral	Pixel 1
		011 to 020	Full Minus Green	Pixel 1
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 1
		120 to 145	Neutral	Pixel 1
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 1
		245 to 255	Full Plus Green	Pixel 1
4	Red - Pixel 1	000 to 255	0 to 100%	Pixel 1
5	Green - Pixel 1	000 to 255	0 to 100%	Pixel 1
6	Blue - Pixel 1	000 to 255	0 to 100%	Pixel 1
7	Amber - Pixel 1	000 to 255	0 to 100%	Pixel 1
8	Tungsten - Pixel 1	000 to 255	0 to 100%	Pixel 1
9	Daylight - Pixel 1	000 to 255	0 to 100%	Pixel 1
10*	Intensity - Pixel 2	000 to 255	0 to 100%	Pixel 2
11*	CCT - Pixel 2	000 to 255	2,000 to 11,000K	Pixel 2
12*	Tint - Pixel 2	000 to 010	Neutral	Pixel 2
		011 to 020	Full Minus Green	Pixel 2
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 2
		120 to 145	Neutral	Pixel 2
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 2
		245 to 255	Full Plus Green	Pixel 2
13*	Red - Pixel 2	000 to 255	0 to 100%	Pixel 2
14*	Green - Pixel 2	000 to 255	0 to 100%	Pixel 2
15*	Blue - Pixel 2	000 to 255	0 to 100%	Pixel 2
16*	Amber - Pixel 2	000 to 255	0 to 100%	Pixel 2
17*	Tungsten - Pixel 2	000 to 255	0 to 100%	Pixel 2
18*	Daylight - Pixel 2	000 to 255	0 to 100%	Pixel 2
19*	Intensity - Pixel 3	000 to 255	0 to 100%	Pixel 3
20*	CCT - Pixel 3	000 to 255	2,000 to 11,000K	Pixel 3
21*	Tint - Pixel 3	000 to 010	Neutral	Pixel 3
		011 to 020	Full Minus Green	Pixel 3
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 3
		120 to 145	Neutral	Pixel 3
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 3
		245 to 255	Full Plus Green	Pixel 3
22*	Red - Pixel 3	000 to 255	0 to 100%	Pixel 3
23*	Green - Pixel 3	000 to 255	0 to 100%	Pixel 3
24*	Blue - Pixel 3	000 to 255	0 to 100%	Pixel 3
25*	Amber - Pixel 3	000 to 255	0 to 100%	Pixel 3
26*	Tungsten - Pixel 3	000 to 255	0 to 100%	Pixel 3
27*	Daylight - Pixel 3	000 to 255	0 to 100%	Pixel 3
28*	Intensity - Pixel 4	000 to 255	0 to 100%	Pixel 4
29*	CCT - Pixel 4	000 to 255	2,000 to 11,000K	Pixel 4
30*	Tint - Pixel 4	000 to 010	Neutral	Pixel 4
		011 to 020	Full Minus Green	Pixel 4
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 4
		120 to 145	Neutral	Pixel 4
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 4
		245 to 255	Full Plus Green	Pixel 4

* = footprint depends on number of pixels

Mode 10 - Spectrum-RGBATD, Pixel, 8-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
31*	Red - Pixel 4	000 to 255	0 to 100%	Pixel 4
32*	Green - Pixel 4	000 to 255	0 to 100%	Pixel 4
33*	Blue - Pixel 4	000 to 255	0 to 100%	Pixel 4
34*	Amber - Pixel 4	000 to 255	0 to 100%	Pixel 4
35*	Tungsten - Pixel 4	000 to 255	0 to 100%	Pixel 4
36*	Daylight - Pixel 4	000 to 255	0 to 100%	Pixel 4
37*	Intensity - Pixel 5	000 to 255	0 to 100%	Pixel 5
38*	CCT - Pixel 5	000 to 255	2,000 to 11,000K	Pixel 5
39*	Tint - Pixel 5	000 to 010	Neutral	Pixel 5
		011 to 020	Full Minus Green	Pixel 5
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 5
		120 to 145	Neutral	Pixel 5
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 5
245 to 255	Full Plus Green	Pixel 5		
40*	Red - Pixel 5	000 to 255	0 to 100%	Pixel 5
41*	Green - Pixel 5	000 to 255	0 to 100%	Pixel 5
42*	Blue - Pixel 5	000 to 255	0 to 100%	Pixel 5
43*	Amber - Pixel 5	000 to 255	0 to 100%	Pixel 5
44*	Tungsten - Pixel 5	000 to 255	0 to 100%	Pixel 5
45*	Daylight - Pixel 5	000 to 255	0 to 100%	Pixel 5
46*	Intensity - Pixel 6	000 to 255	0 to 100%	Pixel 6
47*	CCT - Pixel 6	000 to 255	2,000 to 11,000K	Pixel 6
48*	Tint - Pixel 6	000 to 010	Neutral	Pixel 6
		011 to 020	Full Minus Green	Pixel 6
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 6
		120 to 145	Neutral	Pixel 6
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 6
245 to 255	Full Plus Green	Pixel 6		
49*	Red - Pixel 6	000 to 255	0 to 100%	Pixel 6
50*	Green - Pixel 6	000 to 255	0 to 100%	Pixel 6
51*	Blue - Pixel 6	000 to 255	0 to 100%	Pixel 6
52*	Amber - Pixel 6	000 to 255	0 to 100%	Pixel 6
53*	Tungsten - Pixel 6	000 to 255	0 to 100%	Pixel 6
54*	Daylight - Pixel 6	000 to 255	0 to 100%	Pixel 6
55*	Intensity - Pixel 7	000 to 255	0 to 100%	Pixel 7
56*	CCT - Pixel 7	000 to 255	2,000 to 11,000K	Pixel 7
57*	Tint - Pixel 7	000 to 010	Neutral	Pixel 7
		011 to 020	Full Minus Green	Pixel 7
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 7
		120 to 145	Neutral	Pixel 7
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 7
245 to 255	Full Plus Green	Pixel 7		
58*	Red - Pixel 7	000 to 255	0 to 100%	Pixel 7
59*	Green - Pixel 7	000 to 255	0 to 100%	Pixel 7
60*	Blue - Pixel 7	000 to 255	0 to 100%	Pixel 7
61*	Amber - Pixel 7	000 to 255	0 to 100%	Pixel 7
62*	Tungsten - Pixel 7	000 to 255	0 to 100%	Pixel 7
63*	Daylight - Pixel 7	000 to 255	0 to 100%	Pixel 7
64*	Intensity - Pixel 8	000 to 255	0 to 100%	Pixel 8
65*	CCT - Pixel 8	000 to 255	2,000 to 11,000K	Pixel 8

* = footprint depends on number of pixels

Mode 10 - Spectrum-RGBATD, Pixel, 8-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
66*	Tint - Pixel 8	000 to 010	Neutral	Pixel 8
		011 to 020	Full Minus Green	Pixel 8
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 8
		120 to 145	Neutral	Pixel 8
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 8
		245 to 255	Full Plus Green	Pixel 8
67*	Red - Pixel 8	000 to 255	0 to 100%	Pixel 8
68*	Green - Pixel 8	000 to 255	0 to 100%	Pixel 8
69*	Blue - Pixel 8	000 to 255	0 to 100%	Pixel 8
70*	Amber - Pixel 8	000 to 255	0 to 100%	Pixel 8
71*	Tungsten - Pixel 8	000 to 255	0 to 100%	Pixel 8
72*	Daylight - Pixel 8	000 to 255	0 to 100%	Pixel 8
73*	Intensity - Pixel 9	000 to 255	0 to 100%	Pixel 9
74*	CCT - Pixel 9	000 to 255	2,000 to 11,000K	Pixel 9
75*	Tint - Pixel 9	000 to 010	Neutral	Pixel 9
		011 to 020	Full Minus Green	Pixel 9
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 9
		120 to 145	Neutral	Pixel 9
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 9
		245 to 255	Full Plus Green	Pixel 9
76*	Red - Pixel 9	000 to 255	0 to 100%	Pixel 9
77*	Green - Pixel 9	000 to 255	0 to 100%	Pixel 9
78*	Blue - Pixel 9	000 to 255	0 to 100%	Pixel 9
79*	Amber - Pixel 9	000 to 255	0 to 100%	Pixel 9
80*	Tungsten - Pixel 9	000 to 255	0 to 100%	Pixel 9
81*	Daylight - Pixel 9	000 to 255	0 to 100%	Pixel 9
82*	Intensity - Pixel 10	000 to 255	0 to 100%	Pixel 10
83*	CCT - Pixel 10	000 to 255	2,000 to 11,000K	Pixel 10
84*	Tint - Pixel 10	000 to 010	Neutral	Pixel 10
		011 to 020	Full Minus Green	Pixel 10
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 10
		120 to 145	Neutral	Pixel 10
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 10
		245 to 255	Full Plus Green	Pixel 10
85*	Red - Pixel 10	000 to 255	0 to 100%	Pixel 10
86*	Green - Pixel 10	000 to 255	0 to 100%	Pixel 10
87*	Blue - Pixel 10	000 to 255	0 to 100%	Pixel 10
88*	Amber - Pixel 0	000 to 255	0 to 100%	Pixel 10
89*	Tungsten - Pixel 10	000 to 255	0 to 100%	Pixel 10
90*	Daylight - Pixel 10	000 to 255	0 to 100%	Pixel 10
91*	Intensity - Pixel 11	000 to 255	0 to 100%	Pixel 11
92*	CCT - Pixel 11	000 to 255	2,000 to 11,000K	Pixel 11
93*	Tint - Pixel 11	000 to 010	Neutral	Pixel 11
		011 to 020	Full Minus Green	Pixel 11
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 11
		120 to 145	Neutral	Pixel 11
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 11
		245 to 255	Full Plus Green	Pixel 11
94*	Red - Pixel 11	000 to 255	0 to 100%	Pixel 11
95*	Green - Pixel 11	000 to 255	0 to 100%	Pixel 11

* = footprint depends on number of pixels

Mode 10 - Spectrum-RGBATD, Pixel, 8-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
96*	Blue - Pixel 11	000 to 255	0 to 100%	Pixel 11
97*	Amber - Pixel 11	000 to 255	0 to 100%	Pixel 11
98*	Tungsten - Pixel 11	000 to 255	0 to 100%	Pixel 11
99*	Daylight - Pixel 11	000 to 255	0 to 100%	Pixel 11
100*	Intensity - Pixel 12	000 to 255	0 to 100%	Pixel 12
101*	CCT - Pixel 12	000 to 255	2,000 to 11,000K	Pixel 12
102*	Tint - Pixel 12	000 to 010	Neutral	Pixel 12
		011 to 020	Full Minus Green	Pixel 12
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 12
		120 to 145	Neutral	Pixel 12
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 12
		245 to 255	Full Plus Green	Pixel 12
103*	Red - Pixel 12	000 to 255	0 to 100%	Pixel 12
104*	Green - Pixel 12	000 to 255	0 to 100%	Pixel 12
105*	Blue - Pixel 12	000 to 255	0 to 100%	Pixel 12
106*	Amber - Pixel 12	000 to 255	0 to 100%	Pixel 12
107*	Tungsten - Pixel 12	000 to 255	0 to 100%	Pixel 12
108*	Daylight - Pixel 12	000 to 255	0 to 100%	Pixel 12
109	DMX Smoothing	000 to 255	100% to 0 Smoothing	
110	Reserved for Future Use			
111	Reserved for Future Use			
112	Reserved for Future Use			

Mode 11 - Spectrum-RGBATD, Pixel, 16-Bit

DMX Channel	Function	DMX Value	Output	Pixel
1 & 2	Intensity - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
3 & 4	CCT - Pixel 1 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 1
5	Tint - Pixel 1	000 to 010	Neutral	Pixel 1
		011 to 020	Full Minus Green	Pixel 1
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 1
		120 to 145	Neutral	Pixel 1
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 1
		245 to 255	Full Plus Green	Pixel 1
6 & 7	Red - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
8 & 9	Green - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
10 & 11	Blue - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
12 & 13	Amber - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
14 & 15	Tungsten - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
16 & 17	Daylight - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
18 & 19*	Intensity - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
20 & 21*	CCT - Pixel 2 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 2
22*	Tint - Pixel 2	000 to 010	Neutral	Pixel 2
		011 to 020	Full Minus Green	Pixel 2
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 2
		120 to 145	Neutral	Pixel 2
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 2
		245 to 255	Full Plus Green	Pixel 2
23 & 24*	Red - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
25 & 26*	Green - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
27 & 28*	Blue - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2

* = footprint depends on number of pixels

Mode 11 - Spectrum-RGBATD, Pixel, 16-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
29 & 30*	Amber - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
31 & 32*	Tungsten - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
33 & 34*	Daylight - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
35 & 36*	Intensity - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
37 & 38*	CCT - Pixel 3- HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 3
39*	Tint - Pixel 3	000 to 010	Neutral	Pixel 3
		011 to 020	Full Minus Green	Pixel 3
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 3
		120 to 145	Neutral	Pixel 3
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 3
245 to 255	Full Minus Green	Pixel 3		
40 & 41*	Red - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
42 & 43*	Green - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
44 & 45*	Blue - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
46 & 47*	Amber - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
48 & 49*	Tungsten - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
50 & 51*	Daylight - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
52 & 53*	Intensity - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
54 & 55*	CCT - Pixel 4 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 4
56*	Tint - Pixel 4	000 to 010	Neutral	Pixel 4
		011 to 020	Full Minus Green	Pixel 4
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 4
		120 to 145	Neutral	Pixel 4
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 4
245 to 255	Full Plus Green	Pixel 4		
57 & 58*	Red - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
59 & 60*	Green - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
61 & 62*	Blue - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
63 & 64*	Amber - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
65 & 66*	Tungsten - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
67 & 68*	Daylight - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
69 & 70*	Intensity - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
71 & 72*	CCT - Pixel 5 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 5
73	Tint - Pixel 5	000 to 010	Neutral	Pixel 5
		011 to 020	Full Minus Green	Pixel 5
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 5
		120 to 145	Neutral	Pixel 5
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 5
245 to 255	Full Plus Green	Pixel 5		
74 & 75*	Red - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
76 & 77*	Green - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
78 & 79*	Blue - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
80 & 81*	Amber - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
82 & 83*	Tungsten - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
84 & 85*	Daylight - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
86 & 87*	Intensity - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
88 & 89*	CCT - Pixel 6 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 6

* = footprint depends on number of pixels

Mode 11 - Spectrum-RGBATD, Pixel, 16-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
90*	Tint - Pixel 6	000 to 010	Neutral	Pixel 6
		011 to 020	Full Minus Green	Pixel 6
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 6
		120 to 145	Neutral	Pixel 6
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 6
		245 to 255	Full Plus Green	Pixel 6
91 & 92*	Red - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
93 & 94*	Green - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
95 & 96*	Blue - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
97 & 98*	Amber - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
99 & 100*	Tungsten - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
101 * 102*	Daylight - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
103 & 104*	Intensity - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
105 & 106*	CCT - Pixel 7 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 7
107*	Tint - Pixel 7	000 to 010	Neutral	Pixel 7
		011 to 020	Full Minus Green	Pixel 7
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 7
		120 to 145	Neutral	Pixel 7
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 7
		245 to 255	Full Plus Green	Pixel 7
108 & 109*	Red - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
110 & 111*	Green - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
112 & 113*	Blue - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
114 & 115*	Amber - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
116 & 117*	Tungsten - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
118 & 119*	Daylight - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
120 & 121*	Intensity - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
122 * 123*	CCT - Pixel 8 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 8
124*	Tint - Pixel 8	000 to 010	Neutral	Pixel 8
		011 to 020	Full Minus Green	Pixel 8
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 8
		120 to 145	Neutral	Pixel 8
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 8
		245 to 255	Full Plus Green	Pixel 8
125 & 126*	Red - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
127 & 128*	Green - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
129 * 130*	Blue - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
131 & 132*	Amber - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
133 & 134*	Tungsten - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
135 & 136*	Daylight - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
137 & 138*	Intensity - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
139 & 140*	CCT - Pixel 9 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 9
141*	Tint - Pixel 9	000 to 010	Neutral	Pixel 9
		011 to 020	Full Minus Green	Pixel 9
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 9
		120 to 145	Neutral	Pixel 9
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 9
		245 to 255	Full Plus Green	Pixel 9
142 & 143*	Red - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
144 & 145*	Green - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9

* = footprint depends on number of pixels

Mode 11 - Spectrum-RGBATD, Pixel 16-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
146 & 147*	Blue - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
148 & 149*	Amber - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
150 & 151*	Tungsten - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
152 & 153*	Daylight - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
154 & 155*	Intensity - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
156 & 157*	CCT - Pixel 10 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 10
158*	Tint - Pixel 10	000 to 010	Neutral	Pixel 10
		011 to 020	Full Minus Green	Pixel 10
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 10
		120 to 145	Neutral	Pixel 10
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 10
		245 to 255	Full Plus Green	Pixel 10
159 & 160*	Red - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
161 & 162*	Green - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
163 & 164*	Blue - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
165 & 166*	Amber - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
167 & 168*	Tungsten - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
169 & 170*	Daylight - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
171 & 172*	Intensity - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
173 & 174*	CCT - Pixel 11 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 11
175*	Tint - Pixel 11	000 to 010	Neutral	Pixel 11
		011 to 020	Full Minus Green	Pixel 11
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 11
		120 to 145	Neutral	Pixel 11
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 11
		245 to 255	Full Plus Green	Pixel 11
176 & 177*	Red - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
178 & 179*	Green - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
180 & 181*	Blue - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
182 & 183*	Amber - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
184 & 185*	Tungsten - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
186 & 187*	Daylight - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
188 & 189*	Intensity - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
190 & 191*	CCT - Pixel 12 - HI & LO	00000 to 65535	2,000 to 11,000K	Pixel 12
192*	Tint - Pixel 12	000 to 010	Neutral	Pixel 12
		011 to 020	Full Minus Green	Pixel 12
		021 to 119	Minus Green to Neutral 99% -> 1%	Pixel 12
		120 to 145	Neutral	Pixel 12
		146 to 244	Neutral to Plus Green 1% -> 99%	Pixel 12
		245 to 255	Full Plus Green	Pixel 12
193 & 194*	Red - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
195 & 196*	Green - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
197 & 198*	Blue - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
199 & 200*	Amber - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
201 & 202*	Tungsten - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
203 & 204*	Daylight - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
205	DMX Smoothing	000 to 255	100% to 0 Smoothing	
206	Reserved for Future Use			
207	Reserved for Future Use			
208	Reserved for Future Use			

* = footprint depends on number of pixels

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

Mode 12 - RGBATD, 8-Bit

DMX Channel	Function	DMX Value	Output
1	Intensity	000 to 255	0 to 100%
2	Red	000 to 255	0 to 100%
3	Green	000 to 255	0 to 100%
4	Blue	000 to 255	0 to 100%
5	Amber	000 to 255	0 to 100%
6	Tungsten	000 to 255	0 to 100%
7	Daylight	000 to 255	0 to 100%
8	DMX Smoothing	000 to 255	100% to 0 Smoothing
9	Reserved for Future Use		
10	Reserved for Future Use		
11	Reserved for Future Use		

Mode 13 - RGBATD, 16-Bit

DMX Channel	Function	DMX Value	Output
1 & 2	Intensity - HI & LO	00000 to 65535	0 to 100%
3 & 4	Red - HI & LO	00000 to 65535	0 to 100%
5 & 6	Green - HI & LO	00000 to 65535	0 to 100%
7 & 8	Blue - HI & LO	00000 to 65535	0 to 100%
9 & 10	Amber - HI & LO	00000 to 65535	0 to 100%
11 & 12	Tungsten - HI & LO	00000 to 65535	0 to 100%
13 & 14	Daylight - HI & LO	00000 to 65535	0 to 100%
15	DMX Smoothing	000 to 255	100% to 0 Smoothing
16	Reserved for Future Use		
17	Reserved for Future Use		
18	Reserved for Future Use		

Mode 14 - RGBATD Pixel, 8-Bit

DMX Channel	Function	DMX Value	Output	Pixel
1	Intensity - Pixel 1	000 to 255	0 to 100%	Pixel 1
2	Red - Pixel 1	000 to 255	0 to 100%	Pixel 1
3	Green - Pixel 1	000 to 255	0 to 100%	Pixel 1
4	Blue - Pixel 1	000 to 255	0 to 100%	Pixel 1
5	Amber - Pixel 1	000 to 255	0 to 100%	Pixel 1
6	Tungsten - Pixel 1	000 to 255	0 to 100%	Pixel 1
7	Daylight - Pixel 1	000 to 255	0 to 100%	Pixel 1
8*	Intensity - Pixel 2	000 to 255	0 to 100%	Pixel 2
9*	Red - Pixel 2	000 to 255	0 to 100%	Pixel 2
10*	Green - Pixel 2	000 to 255	0 to 100%	Pixel 2
11*	Blue - Pixel 2	000 to 255	0 to 100%	Pixel 2
12*	Amber - Pixel 2	000 to 255	0 to 100%	Pixel 2
13*	Tungsten - Pixel 2	000 to 255	0 to 100%	Pixel 2
14*	Daylight - Pixel 2	000 to 255	0 to 100%	Pixel 2
15*	Intensity - Pixel 3	000 to 255	0 to 100%	Pixel 3
16*	Red - Pixel 3	000 to 255	0 to 100%	Pixel 3
17*	Green - Pixel 3	000 to 255	0 to 100%	Pixel 3
18*	Blue - Pixel 3	000 to 255	0 to 100%	Pixel 3
19*	Amber - Pixel 3	000 to 255	0 to 100%	Pixel 3
20*	Tungsten - Pixel 3	000 to 255	0 to 100%	Pixel 3
21*	Daylight - Pixel 3	000 to 255	0 to 100%	Pixel 3
22*	Intensity - Pixel 4	000 to 255	0 to 100%	Pixel 4
23*	Red - Pixel 4	000 to 255	0 to 100%	Pixel 4
24*	Green - Pixel 4	000 to 255	0 to 100%	Pixel 4
25*	Blue - Pixel 4	000 to 255	0 to 100%	Pixel 4
26*	Amber - Pixel 4	000 to 255	0 to 100%	Pixel 4
27*	Tungsten - Pixel 4	000 to 255	0 to 100%	Pixel 4
28*	Daylight - Pixel 4	000 to 255	0 to 100%	Pixel 4
29*	Intensity - Pixel 5	000 to 255	0 to 100%	Pixel 5
30*	Red - Pixel 5	000 to 255	0 to 100%	Pixel 5
31*	Green - Pixel 5	000 to 255	0 to 100%	Pixel 5
32*	Blue - Pixel 5	000 to 255	0 to 100%	Pixel 5
33*	Amber - Pixel 5	000 to 255	0 to 100%	Pixel 5
34*	Tungsten - Pixel 5	000 to 255	0 to 100%	Pixel 5
35*	Daylight - Pixel 5	000 to 255	0 to 100%	Pixel 5
36*	Intensity - Pixel 6	000 to 255	0 to 100%	Pixel 6
37*	Red - Pixel 6	000 to 255	0 to 100%	Pixel 6
38*	Green - Pixel 6	000 to 255	0 to 100%	Pixel 6
39*	Blue - Pixel 6	000 to 255	0 to 100%	Pixel 6
40*	Amber - Pixel 6	000 to 255	0 to 100%	Pixel 6
41*	Tungsten - Pixel 6	000 to 255	0 to 100%	Pixel 6
42*	Daylight - Pixel 6	000 to 255	0 to 100%	Pixel 6
43*	Intensity - Pixel 7	000 to 255	0 to 100%	Pixel 7
44*	Red - Pixel 7	000 to 255	0 to 100%	Pixel 7
45*	Green - Pixel 7	000 to 255	0 to 100%	Pixel 7
46*	Blue - Pixel 7	000 to 255	0 to 100%	Pixel 7
47*	Amber - Pixel 7	000 to 255	0 to 100%	Pixel 7
48*	Tungsten - Pixel 7	000 to 255	0 to 100%	Pixel 7
49*	Daylight - Pixel 7	000 to 255	0 to 100%	Pixel 7

* = footprint depends on number of pixels

Mode 14 - RGBATD Pixel, 8-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
50*	Intensity - Pixel 8	000 to 255	0 to 100%	Pixel 8
51*	Red - Pixel 8	000 to 255	0 to 100%	Pixel 8
52*	Green - Pixel 8	000 to 255	0 to 100%	Pixel 8
53*	Blue - Pixel 8	000 to 255	0 to 100%	Pixel 8
54*	Amber - Pixel 8	000 to 255	0 to 100%	Pixel 8
55*	Tungsten - Pixel 8	000 to 255	0 to 100%	Pixel 8
56*	Daylight - Pixel 8	000 to 255	0 to 100%	Pixel 8
57*	Intensity - Pixel 9	000 to 255	0 to 100%	Pixel 9
58*	Red - Pixel 9	000 to 255	0 to 100%	Pixel 9
59*	Green - Pixel 9	000 to 255	0 to 100%	Pixel 9
60*	Blue - Pixel 9	000 to 255	0 to 100%	Pixel 9
61*	Amber - Pixel 9	000 to 255	0 to 100%	Pixel 9
62*	Tungsten - Pixel 9	000 to 255	0 to 100%	Pixel 9
63*	Daylight - Pixel 9	000 to 255	0 to 100%	Pixel 9
64*	Intensity - Pixel 10	000 to 255	0 to 100%	Pixel 10
65*	Red - Pixel 10	000 to 255	0 to 100%	Pixel 10
66*	Green - Pixel 10	000 to 255	0 to 100%	Pixel 10
67*	Blue - Pixel 10	000 to 255	0 to 100%	Pixel 10
68*	Amber - Pixel 10	000 to 255	0 to 100%	Pixel 10
69*	Tungsten - Pixel 10	000 to 255	0 to 100%	Pixel 10
70*	Daylight - Pixel 10	000 to 255	0 to 100%	Pixel 10
71*	Intensity - Pixel 11	000 to 255	0 to 100%	Pixel 11
72*	Red - Pixel 11	000 to 255	0 to 100%	Pixel 11
73*	Green - Pixel 11	000 to 255	0 to 100%	Pixel 11
74*	Blue - Pixel 11	000 to 255	0 to 100%	Pixel 11
75*	Amber - Pixel 11	000 to 255	0 to 100%	Pixel 11
76*	Tungsten - Pixel 11	000 to 255	0 to 100%	Pixel 11
77*	Daylight - Pixel 11	000 to 255	0 to 100%	Pixel 11
78*	Intensity - Pixel 12	000 to 255	0 to 100%	Pixel 12
79*	Red - Pixel 12	000 to 255	0 to 100%	Pixel 12
80*	Green - Pixel 12	000 to 255	0 to 100%	Pixel 12
81*	Blue - Pixel 12	000 to 255	0 to 100%	Pixel 12
82*	Amber - Pixel 12	000 to 255	0 to 100%	Pixel 12
83*	Tungsten - Pixel 12	000 to 255	0 to 100%	Pixel 12
84*	Daylight - Pixel 12	000 to 255	0 to 100%	Pixel 12
85	DMX Smoothing	000 to 255	100% to 0 Smoothing	
86	Reserved for Future Use			
87	Reserved for Future Use			
88	Reserved for Future Use			

* = footprint depends on number of pixels

Mode 15 - RGBATD Pixel, 16-Bit

DMX Channel	Function	DMX Value	Output	Pixel
1 & 2	Intensity - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
3 & 4	Red - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
5 & 6	Green - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
7 & 8	Blue - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
9 & 10	Amber - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
11 & 12	Tungsten - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
13 & 14	Daylight - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
15 & 16*	Intensity - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
17 & 18*	Red - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
19 & 20*	Green - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
21 & 22*	Blue - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
23 & 24*	Amber - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
25 & 26*	Tungsten - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
27 & 28*	Daylight - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
29 & 30*	Intensity - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
31 & 32*	Red - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
33 & 34*	Green - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
35 & 36*	Blue - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
37 & 38*	Amber - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
39 & 40*	Tungsten - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
41 & 42*	Daylight - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
43 & 44*	Intensity - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
45 & 46*	Red - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
47 & 48*	Green - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
49 & 50*	Blue - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
51 & 52*	Amber - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
53 & 54*	Tungsten - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
55 & 56*	Daylight - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
57 & 58*	Intensity - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
59 & 60*	Red - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
61 & 62*	Green - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
63 & 64*	Blue - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
65 & 66*	Amber - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
67 & 68*	Tungsten - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
69 & 70*	Daylight - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
71 & 72*	Intensity - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
73 & 74*	Red - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
75 & 76*	Green - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
77 & 78*	Blue - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
79 & 80*	Amber - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
81 & 82*	Tungsten - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
83 & 84*	Daylight - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
85 & 86*	Intensity - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
87 & 88*	Red - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
89 & 90*	Green - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
91 & 92*	Blue - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
93 & 94*	Amber - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
95 & 96*	Tungsten - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
97 & 98*	Daylight - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7

* = footprint depends on number of pixels

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

Mode 15 - RGBATD Pixel, 16-Bit (Continued)

DMX Channel	Function	DMX Value	Output	Pixel
99 & 100*	Intensity - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
101 & 102*	Red - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
103 & 104*	Green - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
105 & 106*	Blue - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
107 & 108*	Amber - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
109 & 110*	Tungsten - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
111 & 112*	Daylight - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
113 & 114*	Intensity - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
115 & 116*	Red - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
117 & 118*	Green - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
119 & 120*	Blue - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
121 & 122*	Amber - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
123 & 124*	Tungsten - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
125 & 126*	Daylight - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
127 & 128*	Intensity - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
129 & 130*	Red - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
131 & 132*	Green - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
133 & 134*	Blue - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
135 & 136*	Amber - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
137 & 138*	Tungsten - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
139 & 140*	Daylight - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
141 & 142*	Intensity - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
143 & 144*	Red - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
145 & 146*	Green - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
147 & 148*	Blue - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
149 & 150*	Amber - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
151 & 152*	Tungsten - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
153 & 154*	Daylight - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
155 & 156*	Intensity - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
157 & 158*	Red - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
159 & 160*	Green - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
161 & 162*	Blue - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
163 & 164*	Amber - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
165 & 166*	Tungsten - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
167 & 168*	Daylight - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
169	DMX Smoothing	000 to 255	100% to 0 Smoothing	
170	Reserved for Future Use			
171	Reserved for Future Use			
172	Reserved for Future Use			

* = footprint depends on number of pixels

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

Mode 16 - V.RGB, 8-Bit, Fixed White Point: 6,500K, Fixed Tint: Neutral, Rec709 Color Space

DMX Channel	Function	DMX Value	Output
1	Red	000 to 255	0 to 100%
2	Green	000 to 255	0 to 100%
3	Blue	000 to 255	0 to 100%
4	DMX Smoothing	000 to 255	100% to 0 Smoothing
5	Reserved for Future Use		
6	Reserved for Future Use		
7	Reserved for Future Use		

Mode 17 - V.RGB, 16-Bit, Fixed White Point: 6,500K, Fixed Tint: Neutral, Rec709 Color Space

DMX Channel	Function	DMX Value	Output
1 & 2	Red	00000 to 65535	0 to 100%
3 & 4	Green	00000 to 65535	0 to 100%
5 & 6	Blue	00000 to 65535	0 to 100%
7	DMX Smoothing	000 to 255	100% to 0 Smoothing
8	Reserved for Future Use		
9	Reserved for Future Use		
10	Reserved for Future Use		

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

Mode 18 - V.RGB, 8-Bit, Fixed White Point: 6,500K, Fixed Tint: Neutral, Rec709 Color Space

DMX Channel	Function	DMX Value	Output	Pixel
1	Red - Pixel 1	000 to 255	0 to 100%	Pixel 1
2	Green - Pixel 1	000 to 255	0 to 100%	Pixel 1
3	Blue - Pixel 1	000 to 255	0 to 100%	Pixel 1
4*	Red - Pixel 2	000 to 255	0 to 100%	Pixel 2
5*	Green - Pixel 2	000 to 255	0 to 100%	Pixel 2
6*	Blue - Pixel 2	000 to 255	0 to 100%	Pixel 2
7*	Red - Pixel 3	000 to 255	0 to 100%	Pixel 3
8*	Green - Pixel 3	000 to 255	0 to 100%	Pixel 3
9*	Blue - Pixel 3	000 to 255	0 to 100%	Pixel 3
10*	Red - Pixel 4	000 to 255	0 to 100%	Pixel 4
11*	Green - Pixel 4	000 to 255	0 to 100%	Pixel 4
12*	Blue - Pixel 4	000 to 255	0 to 100%	Pixel 4
13*	Red - Pixel 5	000 to 255	0 to 100%	Pixel 5
14*	Green - Pixel 5	000 to 255	0 to 100%	Pixel 5
15*	Blue - Pixel 5	000 to 255	0 to 100%	Pixel 5
16*	Red - Pixel 6	000 to 255	0 to 100%	Pixel 6
17*	Green - Pixel 6	000 to 255	0 to 100%	Pixel 6
18*	Blue - Pixel 6	000 to 255	0 to 100%	Pixel 6
19*	Red - Pixel 7	000 to 255	0 to 100%	Pixel 7
20*	Green - Pixel 7	000 to 255	0 to 100%	Pixel 7
21*	Blue - Pixel 7	000 to 255	0 to 100%	Pixel 7
22*	Red - Pixel 8	000 to 255	0 to 100%	Pixel 8
23*	Green - Pixel 8	000 to 255	0 to 100%	Pixel 8
24*	Blue - Pixel 8	000 to 255	0 to 100%	Pixel 8
25*	Red - Pixel 9	000 to 255	0 to 100%	Pixel 9
26*	Green - Pixel 9	000 to 255	0 to 100%	Pixel 9
27*	Blue - Pixel 9	000 to 255	0 to 100%	Pixel 9
28*	Red - Pixel 10	000 to 255	0 to 100%	Pixel 10
29*	Green - Pixel 10	000 to 255	0 to 100%	Pixel 10
30*	Blue - Pixel 10	000 to 255	0 to 100%	Pixel 10
31*	Red - Pixel 11	000 to 255	0 to 100%	Pixel 11
32*	Green - Pixel 11	000 to 255	0 to 100%	Pixel 11
33*	Blue - Pixel 11	000 to 255	0 to 100%	Pixel 11
34*	Red - Pixel 12	000 to 255	0 to 100%	Pixel 12
35*	Green - Pixel 12	000 to 255	0 to 100%	Pixel 12
36*	Blue - Pixel 12	000 to 255	0 to 100%	Pixel 12
37	DMX Smoothing	000 to 255	100% to 0 Smoothing	
38	Reserved for Future Use			
39	Reserved for Future Use			
40	Reserved for Future Use			

* = footprint depends on number of pixels

Mode 19 - V.RGB, Pixel, 16-Bit

DMX Channel	Function	DMX Value	Output	Pixel
1 & 2	Red - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
3 & 4	Green - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
5 & 6	Blue - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
7 & 8*	Red - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
9 & 10*	Green - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
11 & 12*	Blue - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
13 & 14*	Red - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
15 & 16*	Green - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
17 & 18*	Blue - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
19 & 20*	Red - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
21 & 22*	Green - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
23 & 24*	Blue - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
25 & 26*	Red - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
27 & 28*	Green - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
29 & 30*	Blue - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
31 & 32*	Red - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
33 & 34*	Green - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
35 & 36*	Blue - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
37 & 38*	Red - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
39 & 40*	Green - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
41 & 42*	Blue - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
43 & 44*	Red - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
45 & 46*	Green - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
47 & 48*	Blue - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
49 & 50*	Red - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
51 & 52*	Green - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
53 & 54*	Blue - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
55 & 56*	Red - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
57 & 58*	Green - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
59 & 60*	Blue - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
61 & 62*	Red - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
63 & 64*	Green - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
65 & 66*	Blue - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
67 & 68*	Red - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
69 & 70*	Green - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
71 & 72*	Blue - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
73	DMX Smoothing	000 to 255	100% to 0 Smoothing	
74	Reserved for Future Use			
75	Reserved for Future Use			
76	Reserved for Future Use			

* = footprint depends on number of pixels

Mode 20 - V.RGB Spectrum, 8-Bit

DMX Channel	Function	DMX Value	Output
1	Intensity	000 to 255	0 to 100%
2	CCT	000 to 255	2,000 to 11,000K
3	Tint	000 to 010	Neutral
		011 to 020	Full Minus Green
		021 to 119	Minus Green to Neutral 99% -> 1%
		120 to 145	Neutral
		146 to 244	Neutral to Plus Green 1% -> 99%
4	Color Space	245 to 255	Full Plus Green
		000 to 050	REC 2020
		051 to 100	REC 709
		101 to 150	P3
		151 to 200	Reserved
5	Spectrum Depth	201 to 255	Reserved
		000 to 255	0 to 100%
			0 = RGBATD LUT 100 = RGB LUT
6	Red	000 to 255	0 to 100%
7	Green	000 to 255	0 to 100%
8	Blue	000 to 255	0 to 100%
9	DMX Smoothing	000 to 255	100% to 0 Smoothing
10	Reserved for Future Use		
11	Reserved for Future Use		
12	Reserved for Future Use		

Mode 21 - V.RGB Spectrum, 16-Bit

DMX Channel	Function	DMX Value	Output
1 & 2	Intensity - HI & LO	00000 to 65535	0 to 100%
3 & 4	CCT - HI & LO	00000 to 65535	2,000 to 11,000K
5	Tint	000 to 010	Neutral
		011 to 020	Full Minus Green
		021 to 119	Minus Green to Neutral 99% -> 1%
		120 to 145	Minus Green to Neutral 99% -> 1%
		146 to 244	Neutral
6	Color Space	245 to 255	Full Plus Green
		000 to 050	REC 2020
		051 to 100	REC 709
		101 to 150	P3
		151 to 200	Reserved
7 & 8	Spectrum Depth - HI & LO	201 to 255	Reserved
		00000 to 65535	0% to 100%
			0% = RGBATD LUT 100% = RGB LUT
9 & 10	Red - HI & LO	00000 to 65535	0 to 100%
11 & 12	Green - HI & LO	00000 to 65535	0 to 100%
13 & 14	Blue - HI & LO	00000 to 65535	0 to 100%
15	DMX Smoothing	000 to 255	100% to 0 Smoothing
16	Reserved for Future Use		
17	Reserved for Future Use		
18	Reserved for Future Use		

Mode 22 - V.RGB Spectrum, Pixel, 8-Bit

DMX Channel	Function	DMX Value	Output	Pixel
1	Master Intensity	000 to 255	0 to 100%	Master
2	Master CCT	000 to 255	2,000 to 11,000K	Master
3	Master Tint	000 to 010	Neutral	Master
		011 to 020	Full Minus Green	Master
		021 to 119	Minus Green to Neutral 99% -> 1%	Master
		120 to 145	Neutral	Master
		146 to 244	Neutral to Plus Green 1% -> 99%	Master
		245 to 255	Full Plus Green	Master
4	Master Color Space	000 to 050	REC 2020	Master
		051 to 100	REC 709	Master
		101 to 150	P3	Master
		151 to 200	Reserved	Master
		201 to 255	Reserved	Master
5	Master Spectrum Depth	000 to 255	0 to 100%	Master
			0 = RGBATD LUT	Master
			100 = RGB LUT	Master
6	Red - Pixel 1	000 to 255	0 to 100%	Pixel 1
7	Green - Pixel 1	000 to 255	0 to 100%	Pixel 1
8	Blue - Pixel 1	000 to 255	0 to 100%	Pixel 1
9*	Red - Pixel 2	000 to 255	0 to 100%	Pixel 2
10*	Green - Pixel 2	000 to 255	0 to 100%	Pixel 2
11*	Blue - Pixel 2	000 to 255	0 to 100%	Pixel 2
12*	Red - Pixel 3	000 to 255	0 to 100%	Pixel 3
13*	Green - Pixel 3	000 to 255	0 to 100%	Pixel 3
14*	Blue - Pixel 3	000 to 255	0 to 100%	Pixel 3
15*	Red - Pixel 4	000 to 255	0 to 100%	Pixel 4
16*	Green - Pixel 4	000 to 255	0 to 100%	Pixel 4
17*	Blue - Pixel 4	000 to 255	0 to 100%	Pixel 4
18*	Red - Pixel 5	000 to 255	0 to 100%	Pixel 5
19*	Green - Pixel 5	000 to 255	0 to 100%	Pixel 5
20*	Blue - Pixel 5	000 to 255	0 to 100%	Pixel 5
21*	Red - Pixel 6	000 to 255	0 to 100%	Pixel 6
22*	Green - Pixel 6	000 to 255	0 to 100%	Pixel 6
23*	Blue - Pixel 6	000 to 255	0 to 100%	Pixel 6
24*	Red - Pixel 7	000 to 255	0 to 100%	Pixel 7
25*	Green - Pixel 7	000 to 255	0 to 100%	Pixel 7
26*	Blue - Pixel 7	000 to 255	0 to 100%	Pixel 7
27*	Red - Pixel 8	000 to 255	0 to 100%	Pixel 8
28*	Green - Pixel 8	000 to 255	0 to 100%	Pixel 8
29*	Blue - Pixel 8	000 to 255	0 to 100%	Pixel 8
30*	Red - Pixel 9	000 to 255	0 to 100%	Pixel 9
31*	Green - Pixel 9	000 to 255	0 to 100%	Pixel 9
32*	Blue - Pixel 9	000 to 255	0 to 100%	Pixel 9
33*	Red - Pixel 10	000 to 255	0 to 100%	Pixel 10
34*	Green - Pixel 10	000 to 255	0 to 100%	Pixel 10
35*	Blue - Pixel 10	000 to 255	0 to 100%	Pixel 10
36*	Red - Pixel 11	000 to 255	0 to 100%	Pixel 11
37*	Green - Pixel 11	000 to 255	0 to 100%	Pixel 11
38*	Blue - Pixel 11	000 to 255	0 to 100%	Pixel 11
39*	Red - Pixel 12	000 to 255	0 to 100%	Pixel 12

* = footprint depends on number of pixels

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

Mode 22 - V.RGB Spectrum, Pixel, 8-Bit

DMX Channel	Function	DMX Value	Output	Pixel
40*	Green - Pixel 12	000 to 255	0 to 100%	Pixel 12
41*	Blue - Pixel 12	000 to 255	0 to 100%	Pixel 12
42	DMX Smoothing	000 to 255	100% to 0 Smoothing	
43	Reserved for Future Use			
44	Reserved for Future Use			
45	Reserved for Future Use			

Mode 23 - V.RGB Spectrum, Pixel, 16-Bit

DMX Channel	Function	DMX Value	Output	Pixel
1 & 2	Master Intensity - HI & LO	00000 to 65535	0 to 100%	Master
3 & 4	Master CCT - HI & LO	00000 to 65535	2,000 to 11,000K	Master
5	Master Tint	000 to 010 011 to 020 021 to 119 120 to 145 146 to 244 245 to 255	Neutral Full Minus Green Minus Green to Neutral 99% -> 1% Neutral Neutral to Plus Green 1% -> 99% Full Plus Green	Master Master Master Master Master Master
6	Master Color Space	000 to 050 051 to 100 101 to 150 151 to 200 201 to 255	REC 2020 REC 709 P3 Reserved Reserved	Master Master Master Master Master
7 & 8	Master Spectrum Depth - HI & LO	00000 to 65535	0 to 100% 0 = RGBATD LUT 100 = RGB LUT	Master
9 & 10	Red - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
11 & 12	Green - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
13 & 14	Blue - Pixel 1 - HI & LO	00000 to 65535	0 to 100%	Pixel 1
15 & 16*	Red - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
17 & 18*	Green - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
19 & 20*	Blue - Pixel 2 - HI & LO	00000 to 65535	0 to 100%	Pixel 2
21 & 22*	Red - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
23 & 24*	Green - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
25 & 26*	Blue - Pixel 3 - HI & LO	00000 to 65535	0 to 100%	Pixel 3
27 & 28*	Red - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
29 & 30*	Green - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
31 & 32*	Blue - Pixel 4 - HI & LO	00000 to 65535	0 to 100%	Pixel 4
33 & 34*	Red - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
35 & 36*	Green - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
37 & 38*	Blue - Pixel 5 - HI & LO	00000 to 65535	0 to 100%	Pixel 5
39 & 40*	Red - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
41 & 42*	Green - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
43 & 44*	Blue - Pixel 6 - HI & LO	00000 to 65535	0 to 100%	Pixel 6
45 & 46*	Red - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
47 & 48*	Green - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
49 & 50*	Blue - Pixel 7 - HI & LO	00000 to 65535	0 to 100%	Pixel 7
51 & 52*	Red - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
53 & 54*	Green - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8
55 & 56*	Blue - Pixel 8 - HI & LO	00000 to 65535	0 to 100%	Pixel 8

* = footprint depends on number of pixels

Mode 23 - V.RGB Spectrum, Pixel, 16-Bit

DMX Channel	Function	DMX Value	Output	Pixel
57 & 58*	Red - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
59 & 60*	Green - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
61 & 62*	Blue - Pixel 9 - HI & LO	00000 to 65535	0 to 100%	Pixel 9
63 & 64*	Red - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
65 & 66*	Green - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
67 & 68*	Blue - Pixel 10 - HI & LO	00000 to 65535	0 to 100%	Pixel 10
69 & 70*	Red - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
71 & 72*	Green - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
73 & 74*	Blue - Pixel 11 - HI & LO	00000 to 65535	0 to 100%	Pixel 11
75 & 76*	Red - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
77 & 78*	Green - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
79 & 80*	Blue - Pixel 12 - HI & LO	00000 to 65535	0 to 100%	Pixel 12
81	DMX Smoothing	000 to 255	100% to 0 Smoothing	
82	Reserved for Future Use			
83	Reserved for Future Use			
84	Reserved for Future Use			

* = footprint depends on number of pixels

SPECTRUM OS 3.1

X,Y COORDINATES

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

Mode 24 - x,y 8-Bit

DMX Channel	Function	DMX Value	Output
1	Intensity	000 to 255	0 to 100%
2	x Value	000 to 255	0.0000 to 0.8000
3	y Value	000 to 255	0.0000 to 0.8000
4	DMX Smoothing	000 to 255	100% to 0 Smoothing
5	Reserved for Future Use		
6	Reserved for Future Use		
7	Reserved for Future Use		

Mode 25 - x,y 16-Bit

DMX Channel	Function	DMX Value	Output
1 & 2	Intensity	00000 to 65535	0 to 100%
3 & 4	x Value	00000 to 65535	0.0000 to 0.8000
5 & 6	y Value	00000 to 65535	0.0000 to 0.8000
7	DMX Smoothing	000 to 255	100% to 0 Smoothing
8	Reserved for Future Use		
9	Reserved for Future Use		
10	Reserved for Future Use		

Mode 26 - x,y 8-Bit, Pixel

DMX Channel	Function	DMX Value	Output	Pixel
1	Intensity - Pixel 1	000 to 255	0 to 100%	Pixel 1
2	x Value - Pixel 1	000 to 255	0.0000 to 0.8000	Pixel 1
3	y Value - Pixel 1	000 to 255	0.0000 to 0.8000	Pixel 1
4*	Intensity - Pixel 2	000 to 255	0 to 100%	Pixel 2
5*	x Value - Pixel 2	000 to 255	0.0000 to 0.8000	Pixel 2
6*	y Value - Pixel 2	000 to 255	0.0000 to 0.8000	Pixel 2
7*	Intensity - Pixel 3	000 to 255	0 to 100%	Pixel 3
8*	x Value - Pixel 3	000 to 255	.0000 to .8000	Pixel 3
9*	y Value - Pixel 3	000 to 255	.0000 to .8000	Pixel 3
10*	Intensity - Pixel 4	000 to 255	0 to 100%	Pixel 4
11*	x Value - Pixel 4	000 to 255	0.0000 to 0.8000	Pixel 4
12*	y Value - Pixel 4	000 to 255	0.0000 to 0.8000	Pixel 4
13*	Intensity - Pixel 5	000 to 255	0 to 100%	Pixel 5
14*	x Value - Pixel 5	000 to 255	0.0000 to 0.8000	Pixel 5
15*	y Value - Pixel 5	000 to 255	0.0000 to 0.8000	Pixel 5
16*	Intensity - Pixel 6	000 to 255	0 to 100%	Pixel 6
17*	x Value - Pixel 6	000 to 255	0.0000 to 0.8000	Pixel 6
18*	y Value - Pixel 6	000 to 255	0.0000 to 0.8000	Pixel 6
19*	Intensity - Pixel 7	000 to 255	0 to 100%	Pixel 7
20*	x Value - Pixel 7	000 to 255	0.0000 to 0.8000	Pixel 7
21*	y Value - Pixel 7	000 to 255	.00000 to 0.80000	Pixel 7
22*	Intensity - Pixel 8	000 to 255	0 to 100%	Pixel 8
23*	x Value - Pixel 8	000 to 255	0.0000 to 0.8000	Pixel 8
24*	y Value - Pixel 8	000 to 255	0.0000 to 0.8000	Pixel 8
25*	Intensity - Pixel 9	000 to 255	0 to 100%	Pixel 9
26*	x Value - Pixel 9	000 to 255	0.0000 to 0.8000	Pixel 9
27*	y Value - Pixel 9	000 to 255	0.0000 to 0.8000	Pixel 9
28*	Intensity - Pixel 10	000 to 255	0 to 100%	Pixel 10
29*	x Value - Pixel 10	000 to 255	0.0000 to 0.8000	Pixel 10
30*	y Value - Pixel 10	000 to 255	0.0000 to 0.8000	Pixel 10
31*	Intensity - Pixel 11	000 to 255	0 to 100%	Pixel 11
32*	x Value - Pixel 11	000 to 255	0.0000 to 0.8000	Pixel 11
33*	y Value - Pixel 11	000 to 255	0.0000 to 0.8000	Pixel 11
34*	Intensity - Pixel 12	000 to 255	0 to 100%	Pixel 12
35*	x Value - Pixel 12	000 to 255	0.0000 to 0.8000	Pixel 12
36*	y Value - Pixel 12	000 to 255	0.0000 to 0.8000	Pixel 12
37	DMX Smoothing	000 to 255	100% to 0 Smoothing	
38	Reserved for Future Use			
39	Reserved for Future Use			
40	Reserved for Future Use			

* = footprint depends on number of pixels

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

Mode 27 - x,y, 16-Bit, Pixel

DMX Channel	Function	DMX Value	Output	Pixel
1 & 2	Intensity - Pixel 1 HI & LO	00000 to 65535	0 to 100%	Pixel 1
3 & 4	x Value - Pixel 1 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 1
5 & 6	y Value - Pixel 1 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 1
7 & 8*	Intensity - Pixel 2 HI & LO	00000 to 65535	0 to 100%	Pixel 2
9 & 10*	x Value - Pixel 2 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 2
11 & 12*	y Value - Pixel 2 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 2
13 & 14*	Intensity - Pixel 3 HI & LO	00000 to 65535	0 to 100%	Pixel 3
15 & 16*	x Value - Pixel 3 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 3
17 & 18*	y Value - Pixel 3 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 3
19 & 20*	Intensity - Pixel 4 HI & LO	00000 to 65535	0 to 100%	Pixel 4
21 & 22*	x Value - Pixel 4 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 4
23 & 24*	y Value - Pixel 4 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 4
25 & 26*	Intensity - Pixel 5 HI & LO	00000 to 65535	0 to 100%	Pixel 5
27 & 28*	x Value - Pixel 5 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 5
29 & 30*	*y Value - Pixel 5 HI & LO	00000 to 65535	.0000 to .8000	Pixel 5
31 & 32*	Intensity - Pixel 6 HI & LO	00000 to 65535	0 to 100%	Pixel 6
33 & 34*	x Value - Pixel 6 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 6
35 & 36*	y Value - Pixel 6 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 6
37 & 38*	Intensity - Pixel 7 HI & LO	00000 to 65535	0 to 100%	Pixel 7
39 & 40*	x Value - Pixel 7 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 7
41 & 42*	y Value - Pixel 7 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 7
43 & 44*	Intensity - Pixel 8 HI & LO	00000 to 65535	0 to 100%	Pixel 8
45 & 46*	x Value - Pixel 8 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 8
47 & 48*	y Value - Pixel 8 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 8
49 & 50*	Intensity - Pixel 9 HI & LO	00000 to 65535	0 to 100%	Pixel 9
51 & 52*	x Value - Pixel 9 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 9
53 & 54*	y Value - Pixel 9 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 9
55 & 56*	Intensity - Pixel 10 HI & LO	00000 to 65535	0 to 100%	Pixel 10
57 & 58*	x Value - Pixel 10 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 10
59 & 60*	y Value - Pixel 10 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 10
61 & 62*	Intensity - Pixel 11 HI & LO	00000 to 65535	0 to 100%	Pixel 11
63 & 64*	x Value - Pixel 11 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 11
65 & 66*	*y Value - Pixel 11 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 11
67 & 68*	Intensity - Pixel 12 HI & LO	00000 to 65535	0 to 100%	Pixel 12
69 & 70*	x Value - Pixel 12 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 12
71 & 72*	y Value - Pixel 12 HI & LO	00000 to 65535	0.0000 to 0.8000	Pixel 12
73	DMX Smoothing	000 to 255	100% to 0 Smoothing	
74	Reserved for Future Use			
75	Reserved for Future Use			
76	Reserved for Future Use			

* = footprint depends on number of pixels

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

RDM Chart

Command	PID	Description
Manufacturer ID	0x00BA	Manufacturer ID# (LiteGear, Inc)
Model ID		0x0002 Spectrum AC600 0x0003 Spectrum AC/DC400 0x0004 Spectrum AC/DC200
Personality (Series 3)		DMX Personality
	0x01	P.1- HYBRID PLUS 8bit MODE (FootPrint=6)
	0x02	P.2- HYBRID PLUS 16bit MODE (FootPrint=8)
	0x03	P.3- SPECTRUM 8bit (FootPrint= Num of Pixels x 9)
	0x04	P.4- SPECTRUM 16bit (FootPrint= Num of Pixels x 13)
	0x05	P.5- SPECTRUM 8bit PIXEL MODE (FootPrint= 9-64)
	0x06	P.6- SPECTRUM 16bit PIXEL MODE (FootPrint=13-112)
	0x07	P.7- SPECTRUM, GRADIENT 8bit MODE (FootPrint=10)
	0x08	P.8- SPECTRUM-RGBATD 8bit (FootPrint= 13)
	0x09	P.9- SPECTRUM-RGBATD 16bit (FootPrint= 21)
	0x0A	P.10- SPECTRUM-RGBATD 8bit PIXEL MODE (FootPrint= 13-112)
	0x0B	P.11- SPECTRUM-RGBATD 16bit PIXEL MODE (FootPrint= 21-208)
	0x0C	P.12- RGBATD 8bit MODE (FootPrint= 11)
	0x0D	P.13- RGBATD 16bit MODE (FootPrint= 18)
	0x0E	P.14- RGBATD 8bit PIXEL MODE (FootPrint= 11-88)
	0x0F	P.15- RGBATD 16bit PIXEL MODE (FootPrint= 18-172)
	0x10	P.16- V.RGB 8bit MODE (FootPrint=7)
	0x11	P.17- V.RGB 16bit MODE (FootPrint=10)
	0x12	P.18- V.RGB 8bit PIXEL MODE (FootPrint= 7-10)
	0x13	P.19- V.RGB 16bit PIXEL MODE (FootPrint= 10-76)
	0x14	P.20- V.RGB SPECTRUM 8bit MODE (FootPrint=0)
	0x15	P.21- V.RGB SPECTRUM 16bit MODE (FootPrint=18)
	0x16	P.22- V.RGB SPECTRUM 8bit PIXEL MODE (FootPrint= 12-45)
	0x17	P.23- V.RGB SPECTRUM 16bit PIXEL MODE (FootPrint= 18-84)
Personality (Series 2)		DMX Personality
	0x01	P.1- HYBRID PLUS 8bit MODE (FootPrint=2)
	0x02	P.2- HYBRID PLUS 16bit MODE (FootPrint=4)
	0x03	P.3- HYBRID PLUS 8bit PIXEL MODE (FootPrint= Num of Pixels x 2)
	0x04	P.4- HYBRID PLUS 16bit PIXEL MODE (FootPrint= Num of Pixels x 4)
	0x05	P.5- HYBRID PLUS 8bit GRADIENT MODE (FootPrint= 4)
	0x06	P.6- TRUE HYBRID 8bit MODE (FootPrint=3)
	0x07	P.7- TRUE HYBRID 16bit MODE (FootPrint=5)
	0x08	P.8- TRUE HYBRID 8bit PIXEL MODE (FootPrint= Num Of Pixels x 3)
	0x09	P.9- TRUE HYBRID 16bit PIXEL MODE (FootPrint= Num Of Pixels x 5)
	0x0A	P.10- TRUE HYBRID 8bit GRADIENT MODE (FootPrint= 6)
	0x0B	P.11- SPECTRUM 8bit MODE (FootPrint= 5)
	0x0C	P.12- SPECTRUM 16bit MODE (FootPrint= 9)
	0x0D	P.13- SPECTRUM 8bit PIXEL MODE (FootPrint= Num of Pixels x 5)
	0x0E	P.14- SPECTRUM 16bit PIXEL MODE (FootPrint= Num of Pixels x 9)
	0x0F	P.15- SPECTRUM 8bit GRADIENT MODE (FootPrint= 10)
	0x10	P.16- RGB 8bit MODE (FootPrint=3)
	0x11	P.17- RGB 16bit MODE (FootPrint=6)
	0x12	P.18- RGB PIXEL 8bit MODE (FootPrint= Num Of Pixels x 3)
	0x13	P.19- RGB PIXEL 16bit MODE (FootPrint= Num Of Pixels x 6)
	0x14	P.20- RGB SPECTRUM 8bit MODE (FootPrint=5)

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

RDM Chart (Continued)

Command	PID	Description
Personality (Series 2) cont.		
	0x15	P.21- RGB SPECTRUM 16bit MODE (FootPrint=10)
	0x16	P.22- RGB SPECTRUM PIXEL 8bit MODE (FootPrint= Num Of Pixels x 5)
	0x17	P.23- RGB SPECTRUM PIXEL 16bit MODE (FootPrint= Num Of Pixels x 10)
Network Management		
DISC_UNIQUE_BRANCH	0x0001	Discover RDM Devices
DISC_MUTE	0x0002	(G S) Mute device (no Discovery response)
DISC_UNMUTE	0x0003	(G S) Enable device for Discovery response
RDM Information		
SUPPORTED PARAMETERS	0x0050	(G) Gets a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	(G) Gets a list of non-standard RDM commands
Product Information		
DEVICE INFO	0x0060	(G) Gets info regarding the device
DEVICE MODEL DESCRIPTION	0x0080	(G) Gets description of controlled device (text= Spectrum)
MANUFACTURER LABEL	0x0081	(G) Gets label of controlled device (text= LiteGear, Inc)
DEVICE LABEL	0x0082	(G, S) Gets or Sets descriptive label for device
SOFTWARE VERSION LABEL	0x00C0	(G) Gets software version
DMX512 Setup		
DMX Personality	0x00E0	(G, S) Gets or Sets DMX Mode (if more than 1 type)
DMX Personality Description	0x00E1	(G) Gets description of the DMX Personality
DMX Start Address	0x00F0	(G, S) Gets or Sets DMX Base Address
Sensors 0x02xx		
SENSOR DEFINITION	0x0200	(G) Gets the definition of a specific sensor
SENSOR VALUE	0x0201	(G) Gets the sensor data
Sensor 1	1	(G) Input Voltage (V)
Sensor 2	2	(G) Power (Watts)
Sensor 3	3	(G) Dimmer Temperature (Deg C)
Power / Lamp Settings		
DEVICE POWER CYCLES	0x0405	(G) Gets the # of Device Power Cycles (Resets)
Control		
IDENTIFY DEVICE	0x1000	(G,S) Gets or Sets the Identify Device function (Flashing)
DMX Slots		
SLOT INFO	0x0120	(G) Gets functionality of the DMX slots
SLOT DESCRIPTION	0x0212	(G) Gets ASCII text slot description
Manufacturer Commands 0x8xxx		
RDM STATE	0x8000	(G, S) Gets or Sets the RDM State DISABLE= 0 ENABLE= 1
RESET DEVICE	0x8001	(S) Sets the Device Reset SET 1= Reset

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600		
DMX SERIES	0x8002	(G, S) Gets or Sets the DMX Series SERIES1= 1 SERIES2= 2 SERIES3= 3
DMX LOSS BEHAVIOR	0x8003	(G, S) Gets or Sets the DMX Loss Behavior of the device BLACKOUT= 0 HOLD=1
SAVE DMX LOAD-IN PRESETS	0x8005	(G) Gets the Saved DMX Load-In Presets SET 1-10 TO SAVE TO POSITION 1-10
RECALL DMX LOAD-IN PRESETS	0x8006	(G) Gets the Recalled DMX Load-In Presets SET 1-10 TO RECALL FROM POSITION 1-10
DIMMING CURVE	0x8007	(G, S) Gets or Sets the Dimming Curve LOG= 0 LINEAR= 1 LOG =2 S-CURVE= 3
COLOR SPACE*	0x8008	(G, S) Gets or Sets the Color Mode REC2020= 0 REC709= 1

RDM Chart (Continued)

Manufacturer Commands	PID	Description
PIXEL QTY	0x8009	(G, S) Gets or Sets the Pixel Qty 1-12 PIXELS POSSIBLE
POWER LIMIT	0x8005	(G, S) Gets or Sets the Ballast Power Limit (5% to 100%)
FIXTURE NUMBER	0x800B	(G, S) Gets or Sets the Ballast Power Limit (0- 65535)
DISPLAY ILLUMINATION	0x800C	(G, S) Gets or Sets the Display Brightness ALWAYS ON= 0 OFF AFTER 30 SECS= 1
DISPLAY ROTATION	0x800D	(G, S) Gets or Sets the Display Orientation NORMAL= 0 UPSIDE DOWN= 1
IP MODE	0x800E	(G, S) Gets or Sets the Dimmers IP Mode DHCP= 0 2.X.X.X= 1 10.X.X.X= 2 MANUEL= 3
IP ADDRESS	0x800F	(G, S) Gets or Sets the Dimmers IP Address (xxx.xxx.xxx.xxx (string))
IP SUBNET MASK	0x8010	(G, S) Gets or Sets the Dimmers Subnet Mask (xxx.xxx.xxx.xxx (string))
IP GATEWAY	0x8011	(G, S) Gets or Sets the Dimmers IP Gateway (xxx.xxx.xxx.xxx (string))

LiteDimmer Spectrum AC/DC 200, LiteDimmer Spectrum AC/DC 400, LiteDimmer Spectrum AC 600

IP DNS1	0x8012	(G, S) Gets or Sets the Dimmers IP DNS1 (xxx.xxx.xxx.xxx (string))
IP DNS2	0x8013	(G, S) Gets or Sets the Dimmers IP DNS2 (xxx.xxx.xxx.xxx (string))
ART-NET & SACN STATE	0x8014	(G, S) Gets or Sets the Art-Net and Streaming ACN State AUTO= 0 ART-NET ONLY= 2 SACN ONLY= 2 OFF= 3
ART-NET NET	0x8015	(G, S) Gets or Sets the Art-Net Net (0-127)
ART-NET SUBNET	0x8016	(G, S) Gets or Sets the Art-Net Subnet (0-15)
ART-NET UNIVERSE	0x8017	(G, S) Gets or Sets the Art-Net Universe (0-15)
ART-NET & SACN MEGE MODE	0x8018	(G, S) Gets or Sets the Art-Net and sACN Merge (0-15) LAST TAKES PRECED= 0 HIGH TAKES PRECED= 1
ART-NET & SACN GATEWAY MODE	0x8019	(G, S) Gets or Sets the Art-Net and sACN Gateway OFF= 0 ON= 1

RDM Chart (Continued)

Manufacturer Commands	PID	Description
SACN UNIVERSE	0x801A	(G, S) Gets or Sets the Art-Net and sACN Universe (1-65000)
CRMX Off/TX/RX	0x801B	(G, S) Gets or Sets the CRMX state OFF=0 TX= 1 RX=3
CRMX TX LINK	0x801C	(S) Set 1 to Link to Receiver(s)
CRMX RX UNPAIR	0x801D	(G, S) Gets or Sets the Unpairing of CRMX Receiving GET: 0 IF UNPAIRED GET: 1 IF PAIRED. SET 0 TP UNPAIR
CRMX DMX TRANSMIT	0x801E	(G, S) Gets or Sets the Transmitting of CRMX DMX No transmit=0, Transmit CRMX DMX to 5-pin=1

* This Color Space setting is ignored by Series3, Personalities#20,21,22,23 (V.RGB Spectrum Modes where Color Space is controlled with slot data)