

Mode	Function / Name	Footprint	Bit Depth	Note
1	1-Hybrid Plus	2	8 Bit	Int, CCT
2	2-Hybrid Plus	4	16 Bit	Int, CCT
3	3-Hybrid Plus, Pixel	No. Pixel x2	8 Bit	Int, CCT
4	4-Hybrid Plus, Pixel	No. Pixel x4	16 Bit	Int, CCT
5	5-Reserved			
6	6-TrueHybrid	3	8 Bit	Int, CCT, Tint
7	7-TrueHybrid	5	16 Bit	Int, CCT, Tint
8	8-TrueHybrid, Pixel	No. of Pixel x3	8 Bit	Int, CCT, Tint
9	9-TrueHybrid, Pixel	No. of Pixel x5	16 Bit	Int, CCT, Tint
10	10-Reserved			
11	11-Spectrum	5	8 Bit	Int, CCT, Tint, Sat, Accent Color
12	12-Spectrum	9	16 Bit	Int, CCT, Tint, Sat, Accent Color
13	13-Spectrum, Pixel	No. of Pixel x5	8 Bit	Int, CCT, Tint, Sat, Accent Color
14	14-Spectrum, Pixel	No. of Pixel x9	16 Bit	Int, CCT, Tint, Sat, Accent Color
15	15-Reserved			
16	16-RGB	3	8 Bit	R, G, B, with fixed Tint (0) and CCT(6500)
17	17-RGB	6	16 Bit	R, G, B, with fixed Tint (0) and CCT(6500)
18	18-RGB Pixel	No. of Pixels x3	8 Bit	R, G, B, with fixed Tint (0) and CCT(6500)
19	19-RGB Pixel	No. of Pixels x6	16 Bit	R, G, B, with fixed Tint (0) and CCT(6500)
20	20-RGB-Spectrum	5	8 Bit	Int, CCT, R, G, B with fixed Tint (0)
21	21-RGB-Spectrum	10	16 Bit	Int, CCT, R, G, B with fixed Tint (0)
22	22-RGB-Spectrum, Pixel	No. of Pixels x5	8 Bit	Int, CCT, R, G, B with fixed Tint (0)
23	23-RGB-Spectrum, Pixel	No. of Pixels x10	16 Bit	Int, CCT, R, G, B with fixed Tint (0)

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

DMX Channel	Function	DMX Value	Output
1	Intensity	000 to 255	0 to 100%
2	CCT	000 to 255	2,600 to 6,000 K

**Mode 2 - Bi-Color, Hybrid+, 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	2,600 to 6,000 K

**Mode 3 - Bi-Color, Hybrid+, Pixel, 8-Bit**

DMX Channel	Function	DMX Value	Output
1	Intensity - Pixel 1	000 to 255	0 to 100%
2	CCT - Pixel 1	000 to 255	2,600 to 6,000 K
3*	Intensity - Pixel 2	000 to 255	0 to 100%
4*	CCT - Pixel 2	000 to 255	2,600 to 6,000 K
5*	Intensity - Pixel 3	000 to 255	0 to 100%
6*	CCT - Pixel 3	000 to 255	2,600 to 6,000 K
7*	Intensity - Pixel 4	000 to 255	0 to 100%
8*	CCT - Pixel 4	000 to 255	2,600 to 6,000 K
9*	Intensity - Pixel 5	000 to 255	0 to 100%
10*	CCT - Pixel 5	000 to 255	2,600 to 6,000 K
11*	Intensity - Pixel 6	000 to 255	0 to 100%
12*	CCT - Pixel 6	000 to 255	2,600 to 6,000 K
13*	Intensity - Pixel 7	000 to 255	0 to 100%
14*	CCT - Pixel 7	000 to 255	2,600 to 6,000 K
15*	Intensity - Pixel 8	000 to 255	0 to 100%
16*	CCT - Pixel 8	000 to 255	2,600 to 6,000 K
17*	Intensity - Pixel 9	000 to 255	0 to 100%
18*	CCT - Pixel 9	000 to 255	2,600 to 6,000 K
19*	Intensity - Pixel 10	000 to 255	0 to 100%
20*	CCT - Pixel 10	000 to 255	2,600 to 6,000 K
21*	Intensity - Pixel 11	000 to 255	0 to 100%
22*	CCT - Pixel 11	000 to 255	2,600 to 6,000 K
23*	Intensity - Pixel 12	000 to 255	0 to 100%
24*	CCT - Pixel 12	000 to 255	2,600 to 6,000 K

\* Channel count depends on number of pixels detected by Spectrum Dimmer.

**Mode 4 - Bi-Color, Hybrid+, Pixel, 16-Bit**

DMX Channel	Function	DMX Value	Output
1 & 2	Intensity - Pixel 1 - HI & LO	00000 to 65535	0 to 100%
3 & 4	CCT - Pixel 1 - HI & LO	00000 to 65535	2,600 to 6,000 K
5 & 6*	Intensity - Pixel 2 - HI & LO	00000 to 65535	0 to 100%
7 & 8*	CCT - Pixel 2 - HI & LO	00000 to 65535	2,600 to 6,000 K
9 & 10*	Intensity - Pixel 3 - HI & LO	00000 to 65535	0 to 100%
11 & 12*	CCT - Pixel 3 - HI & LO	00000 to 65535	2,600 to 6,000 K
13 & 14*	Intensity - Pixel 4 - HI & LO	00000 to 65535	0 to 100%
15 & 16*	CCT - Pixel 4 - HI & LO	00000 to 65535	2,600 to 6,000 K
17 & 18*	Intensity - Pixel 5 - HI & LO	00000 to 65535	0 to 100%
19 & 20*	CCT - Pixel 5 - HI & LO	00000 to 65535	2,600 to 6,000 K

**Mode 4 - Bi-Color, Hybrid+, Pixel, 16-Bit**

DMX Channel	Function	DMX Value	Output
21 & 22*	Intensity - Pixel 6 - HI & LO	00000 to 65535	0 to 100%
23 & 24*	CCT - Pixel 6 - HI & LO	00000 to 65535	2,600 to 6,000 K
25 & 26*	Intensity - Pixel 7 - HI & LO	00000 to 65535	0 to 100%
27 & 28*	CCT - Pixel 7 - HI & LO	00000 to 65535	2,600 to 6,000 K
29 & 30*	Intensity - Pixel 8 - HI & LO	00000 to 65535	0 to 100%
31 & 32*	CCT - Pixel 8 - HI & LO	00000 to 65535	2,600 to 6,000 K
33 & 34*	Intensity - Pixel 9 - HI & LO	00000 to 65535	0 to 100%
35 & 36*	CCT - Pixel 9 - HI & LO	00000 to 65535	2,600 to 6,000 K
37 & 38*	Intensity - Pixel 10 - HI & LO	00000 to 65535	0 to 100%
39 & 40*	CCT - Pixel 10 - HI & LO	00000 to 65535	2,600 to 6,000 K
41 & 42*	Intensity - Pixel 11 - HI & LO	00000 to 65535	0 to 100%
43 & 44*	CCT - Pixel 11 - HI & LO	00000 to 65535	2,600 to 6,000 K
45 & 46*	Intensity - Pixel 12 - HI & LO	00000 to 65535	0 to 100%
48 & 48*	CCT - Pixel 12 - HI & LO	00000 to 65535	2,600 to 6,000 K

\* Channel count depends on number of pixels detected by Spectrum Dimmer.

**Mode 5 - Reserved**

**Mode 6 - TrueHybrid, 8-Bit**

DMX Channel	Function	DMX Value	Output
1	Intensity	000 to 255	0 to 100%
2	CCT	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
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

**Mode 7 - TrueHybrid, 16 Bit**

DMX Channel	Function	146 to 244	Output
1 & 2	Intensity - HI & LO	00000 to 65535	0 to 100%
3 & 4	CCT - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
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

**Mode 8 - TrueHybrid, Pixel, 8-Bit**

DMX Channel	Function	DMX Value	Output
1	Intensity - Pixel 1	000 to 255	0 to 100%
2	CCT - Pixel 1	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
3	Tint - Pixel 1	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*	Intensity - Pixel 2	000 to 255	0 to 100%
5*	CCT - Pixel 2	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)

**Mode 8 - TrueHybrid, Pixel, 8-Bit**

6*	Tint - Pixel 2	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
7*	Intensity - Pixel 3	000 to 255	0 to 100%
8*	CCT - Pixel 3	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
9*	Tint - Pixel 3	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
10*	Intensity - Pixel 4	000 to 255	0 to 100%
11*	CCT - Pixel 4	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
12*	Tint - Pixel 4	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
13*	Intensity - Pixel 5	000 to 255	0 to 100%
14*	CCT - Pixel 5	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
15*	Tint - Pixel 5	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
16*	Intensity - Pixel 6	000 to 255	0 to 100%
17*	CCT - Pixel 6	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)

**Mode 8 - TrueHybrid, Pixel, 8-Bit**

DMX Channel	Function	DMX Value	Output
18*	Tint - Pixel 6	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
19*	Intensity - Pixel 7	000 to 255	0 to 100%
20*	CCT - Pixel 7	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
21*	Tint - Pixel 7	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
22*	Intensity - Pixel 8	000 to 255	0 to 100%
23*	CCT - Pixel 8	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
24*	Tint - Pixel 8	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
25*	Intensity - Pixel 9	000 to 255	0 to 100%
26*	CCT - Pixel 9	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
27*	Tint - Pixel 9	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
28*	Intensity - Pixel 10	000 to 255	0 to 100%
29*	CCT - Pixel 10	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)

**Mode 8 - TrueHybrid, Pixel, 8-Bit**

30*	Tint - Pixel 10	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
31*	Intensity - Pixel 11	000 to 255	0 to 100%
32*	CCT - Pixel 11	000 to 059	2000 to 52590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
33*	Tint - Pixel 11	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
34*	Intensity - Pixel 12	000 to 255	0 to 100%
35*	CCT - Pixel 12	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
36*	Tint - Pixel 12	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

\* Channel count depends on number of pixels detected by Spectrum Dimmer.

**Mode 9 - TrueHybrid, Pixel 16 Bit**

DMX Channel	Function	DMX Value	Output
1 & 2	Intensity - Pixel 1 - HI & LO	00000 to 65535	0 to 100%
3 & 4	CCT - Pixel 1 - HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
5	Tint - Pixel 1	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
6 & 7*	Intensity - Pixel 2 - HI & LO	00000 to 65535	0 to 100%
8 & 9*	CCT - Pixel 2 - HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
10*	Tint - Pixel 2	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
11 & 12*	Intensity - Pixel 3 - HI & LO	00000 to 65535	0 to 100%
13 & 14*	CCT - Pixel 3 - HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
15*	Tint - Pixel 3	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
16 & 17*	Intensity - Pixel 4 - HI & LO	00000 to 65535	0 to 100%
18 & 19*	CCT - Pixel 4 - HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
20*	Tint - Pixel 4	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
31 & 32*	Intensity - Pixel 5 - HI & LO	00000 to 65535	0 to 100%
33 & 34*	CCT - Pixel 5 - HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)



**Mode 9 - TrueHybrid, Pixel 16 Bit**

35*	Tint - Pixel 5	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
36 & 37*	Intensity - Pixel 6 - HI & LO	00000 to 65535	0 to 100%
38 & 39*	CCT - Pixel 6 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
40*	Tint - Pixel 8	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
41 & 42*	Intensity - Pixel 9 - HI & LO	00000 to 65535	0 to 100%
43 & 44*	CCT - Pixel 9 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
45*	Tint - Pixel 9	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
46 & 47*	Intensity - Pixel 10 - HI & LO	00000 to 65535	0 to 100%
48 & 49*	CCT - Pixel 10 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
50*	Tint - Pixel 10	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
51 & 52*	Intensity - Pixel 11 - HI & LO	00000 to 65535	0 to 100%
53 & 54*	CCT - Pixel 11 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
55*	Tint - Pixel 11	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

### Mode 9 - TrueHybrid, Pixel 16 Bit

DMX Channel	Function	DMX Value	Output
56 & 57*	Intensity - Pixel 12 - HI & LO	00000 to 65535	0 to 100%
58 & 59*	CCT - Pixel 12 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
60*	Tint - Pixel 12	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

\* Channel count depends on number of pixels detected by Spectrum Dimmer.

### Mode 10 - Reserved

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**Mode 11 - Spectrum, 8-Bit**

DMX Channel	Function	DMX Value	Output
1	Intensity	000 to 255	0 to 100%
2	CCT	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
3	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
4	Saturation	000 to 255	0 to 100%
5	Hue	000 to 255	0 to 359°

**Mode 12 - 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 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
5	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
6 & 7	Saturation - HI & LO	00000 to 65535	0 to 100%
8 & 9	Hue - HI & LO	00000 to 65535	0 to 359°

**Mode 13 - Spectrum, Pixel, 8-Bit**

DMX Channel	Function	DMX Value	Output
1	Intensity - Pixel 1	000 to 255	0 to 100%
2	CCT - Pixel 1	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
3	Tint - Pixel 1	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 1	000 to 255	0 to 100%
5	Hue - Pixel 1	000 to 255	0 to 359°
6*	Intensity - Pixel 2	000 to 255	0 to 100%
7*	CCT - Pixel 2	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)

**Mode 13 - Spectrum, Pixel, 8-Bit**

DMX Channel	Function	DMX Value	Output
8*	Tint - Pixel 2	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
9*	Saturation - Pixel 2	000 to 255	0 to 100%
10*	Accent - Pixel 2	000 to 255	0 to 359°
11*	Intensity - Pixel 3	000 to 255	0 to 100%
12*	CCT - Pixel 3	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
13*	Tint - Pixel 3	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
14*	Saturation - Pixel 3	000 to 255	0 to 100%
15*	Accent - Pixel 3	000 to 255	0 to 359°
16*	Intensity - Pixel 4	000 to 255	0 to 100%
17*	CCT - Pixel 4	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
18*	Tint - Pixel 4	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
19*	Saturation - Pixel 4	000 to 255	0 to 100%
20*	Accent - Pixel 4	000 to 255	0 to 359°
21*	Intensity - Pixel 5	000 to 255	0 to 100%
22*	CCT - Pixel 5	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
23*	Tint - Pixel 5	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
24*	Saturation - Pixel 5	000 to 255	0 to 100%
25*	Accent - Pixel 5	000 to 255	0 to 359°
26*	Intensity - Pixel 6	000 to 255	0 to 100%

**Mode 13 - Spectrum, Pixel, 8-Bit**

DMX Channel	Function	DMX Value	Output
27*	CCT - Pixel 6	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
28*	Tint - Pixel 6	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		
29*	Saturation - Pixel 6	000 to 255	0 to 100%
30*	Accent - Pixel 6	000 to 255	0 to 359°
31*	Intensity - Pixel 7	000 to 255	0 to 100%
32*	CCT - Pixel 7	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
33*	Tint - Pixel 7	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		
34*	Saturation - Pixel 7	000 to 255	0 to 100%
35*	Accent - Pixel 7	000 to 255	0 to 359°
36*	Intensity - Pixel 8	000 to 255	0 to 100%
37*	CCT - Pixel 8	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
38*	Tint - Pixel 8	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		
39*	Saturation - Pixel 8	000 to 255	0 to 100%
40*	Accent - Pixel 8	000 to 255	0 to 359°
41*	Intensity - Pixel 9	000 to 255	0 to 100%
42*	CCT - Pixel 9	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
43*	Tint - Pixel 9	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		

**Mode 13 - Spectrum, Pixel, 8-Bit**

DMX Channel	Function	DMX Value	Output
44*	Saturation - Pixel 9	000 to 255	0 to 100%
45*	Accent - Pixel 9	000 to 255	0 to 359°
46*	Intensity - Pixel 10	000 to 255	0 to 100%
47*	CCT - Pixel 10	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
48*	Tint - Pixel 10	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
49*	Saturation - Pixel 10	000 to 255	0 to 100%
50*	Accent - Pixel 10	000 to 255	0 to 359°
51*	Intensity - Pixel 11	000 to 255	0 to 100%
52*	CCT - Pixel 11	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
53*	Tint - Pixel 11	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
54*	Saturation - Pixel 11	000 to 255	0 to 100%
55*	Accent - Pixel 11	000 to 255	0 to 359°
56*	Intensity - Pixel 12	000 to 255	0 to 100%
57*	CCT - Pixel 12	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
58*	Tint - Pixel 12	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
59*	Saturation - Pixel 12	000 to 255	0 to 100%
60*	Accent - Pixel 12	000 to 255	0 to 359°

\* Channel count depends on number of pixels detected by Spectrum Dimmer.

**Mode 14 - Spectrum, Pixel, 16 Bit**

DMX Channel	Function	DMX Value	Output
1 & 2	Intensity - Pixel 1 - HI & LO	00000 to 65535	0 to 100%
3 & 4	CCT - Pixel 1 - HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	

**Mode 14 - Spectrum, Pixel, 16 Bit**

DMX Channel	Function	DMX Value	Output
5	Tint - Pixel 1	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 - Pixel 1 - HI & LO	00000 to 65535	0 to 100%
8 & 9	Hue - Pixel 1 - HI & LO	00000 to 65535	0 to 359°
10 & 11*	Intensity - Pixel 2 - HI & LO	00000 to 65535	0 to 100%
12 & 13*	CCT - Pixel 2 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
14*	Tint - Pixel 2	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
15 & 16*	Saturation - Pixel 2 - HI & LO	00000 to 65535	0 to 100%
17 & 18*	Hue - Pixel 2 - HI & LO	00000 to 65535	0 to 359°
19 & 20*	Intensity - Pixel 3 - HI & LO	00000 to 65535	0 to 100%
21 & 22*	CCT - Pixel 3 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
23*	Tint - Pixel 3	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
24 & 25*	Saturation - Pixel 3 - HI & LO	00000 to 65535	0 to 100%
26 & 27*	Hue - Pixel 3 - HI & LO	00000 to 65535	0 to 359°
28 & 29*	Intensity - Pixel 4 - HI & LO	00000 to 65535	0 to 100%
30 & 31*	CCT - Pixel 4 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
32*	Tint - Pixel 4	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
42 & 43*	Saturation - Pixel 5 - HI & LO	00000 to 65535	0 to 100%
44 & 45*	Hue - Pixel 5 - HI & LO	00000 to 65535	0 to 359°
46 & 47*	Intensity - Pixel 6 - HI & LO	00000 to 65535	0 to 100%



**Mode 14 - Spectrum, Pixel, 16 Bit**

DMX Channel	Function	DMX Value	Output
48 & 49*	CCT - Pixel 6 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
50*	Tint - Pixel 6	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
51 & 52*	Saturation - Pixel 6 - HI & LO	00000 to 65535	0 to 100%
53 & 54*	Hue - Pixel 6 - HI & LO	00000 to 65535	0 to 359°
55 & 56*	Intensity - Pixel 7 - HI & LO	00000 to 65535	0 to 100%
57 & 58*	CCT - Pixel 7 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
59*	Tint - Pixel 7	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
60 & 61*	Saturation - Pixel 7 - HI & LO	00000 to 65535	0 to 100%
62 & 63*	Hue - Pixel 7 - HI & LO	00000 to 65535	0 to 359°
64 & 65*	Intensity - Pixel 8 - HI & LO	00000 to 65535	0 to 100%
66 & 67*	CCT - Pixel 8 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
68*	Tint - Pixel 8	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
69 & 70*	Saturation - Pixel 8 - HI & LO	00000 to 65535	0 to 100%
71 & 72*	Hue - Pixel 8 - HI & LO	00000 to 65535	0 to 359°
73 & 74*	Intensity - Pixel 9 - HI & LO	00000 to 65535	0 to 100%
75 & 76*	CCT - Pixel 9 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
77*	Tint - Pixel 9	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
78 & 79*	Saturation - Pixel 9 - HI & LO	00000 to 65535	0 to 100%

**Mode 14 - Spectrum, Pixel, 16 Bit**

DMX Channel	Function	DMX Value	Output
80 & 81*	Hue - Pixel 9 - HI & LO	00000 to 65535	0 to 359°
82 & 83*	Intensity - Pixel 10 - HI & LO	00000 to 65535	0 to 100%
84 & 85*	CCT - Pixel 10 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
86*	Tint - Pixel 10	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		
87 & 88*	Saturation - Pixel 10 - HI & LO	00000 to 65535	0 to 100%
89 & 90*	Hue - Pixel 10 - HI & LO	00000 to 65535	0 to 359°
91 & 92*	Intensity - Pixel 11 - HI & LO	00000 to 65535	0 to 100%
93 & 94*	CCT - Pixel 11 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
95*	Tint - Pixel 11	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		
96 & 97*	Saturation - Pixel 11 - HI & LO	00000 to 65535	0 to 100%
98 & 99*	Hue - Pixel 11 - HI & LO	00000 to 65535	0 to 359°
100 & 101*	Intensity - Pixel 11 - HI & LO	00000 to 65535	0 to 100%
102 & 103*	CCT - Pixel 12 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
104*	Tint - Pixel 12	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		
105 & 106*	Saturation - Pixel 12 - HI & LO	00000 to 65535	0 to 100%
107 & 108*	Hue - Pixel 12 - HI & LO	00000 to 65535	0 to 359°

\* Channel count depends on number of pixels detected by Spectrum Dimmer.

**Mode 15 - Reserved**

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**Mode 16 - RGB, 8-Bit**

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%

**Mode 17 - RGB, 16-Bit**

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%

**Mode 18 - RGB Pixel, 8-Bit**

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

\* Channel count depends on number of pixels detected by Spectrum Dimmer.

**Mode 19 - RGB Pixel, 16 Bit**

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

\* Channel count depends on number of pixels detected by Spectrum Dimmer.

**Mode 20 - RGB Spectrum, 8-Bit**

DMX Channel	Function	DMX Value	Output
1	Intensity	000 to 255	0 to 100%
2	CCT	000 to 059	2000 to 2590 (10° steps)
		060 to 179	2600 to 5575 (25° steps)
		180 to 221	5600 to 7650 (50° steps)
		222 to 255	7700 to 11000 (100° steps)
3	Red	000 to 255	0 to 100%
4	Green	000 to 255	0 to 100%
5	Blue	000 to 255	0 to 100%

**Mode 21 - 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 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
5 & 6	Red - HI & LO	00000 to 65535	0 to 100%
7 & 8	Green - HI & LO	00000 to 65535	0 to 100%
9 & 10	Blue - HI & LO	00000 to 65535	0 to 100%

**Mode 22 - RGB Spectrum Pixel, 8-Bit**

DMX Channel	Function	DMX Value	Output
1	Intensity - Pixel 1	000 to 255	0 to 100%
2	CCT - Pixel 1	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
3	Red - Pixel 1	000 to 255	0 to 100%
4	Green - Pixel 1	000 to 255	0 to 100%
5	Blue - Pixel 1	000 to 255	0 to 100%
6*	Intensity - Pixel 2	000 to 255	0 to 100%
7*	CCT - Pixel 2	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° step)
8*	Red - Pixel 2	000 to 255	0 to 100%
9*	Green - Pixel 2	000 to 255	0 to 100%
10*	Blue - Pixel 2	000 to 255	0 to 100%
11*	Intensity - Pixel 3	000 to 255	0 to 100%
12*	CCT - Pixel 3	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
13*	Red - Pixel 3	000 to 255	0 to 100%
14*	Green - Pixel 3	000 to 255	0 to 100%
15*	Blue - Pixel 3	000 to 255	0 to 100%
16*	Intensity - Pixel 4	000 to 255	0 to 100%
17*	CCT - Pixel 4	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
18*	Red - Pixel 4	000 to 255	0 to 100%
19*	Green - Pixel 4	000 to 255	0 to 100%
20*	Blue - Pixel 4	000 to 255	0 to 100%
21*	Intensity - Pixel 5	000 to 255	0 to 100%
22*	CCT - Pixel 5	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
23*	Red - Pixel 5	000 to 255	0 to 100%

**Mode 22 - RGB Spectrum Pixel, 8-Bit**

DMX Channel	Function	DMX Value	Output
24*	Green - Pixel 5	000 to 255	0 to 100%
25*	Blue - Pixel 5	000 to 255	0 to 100%
26*	Intensity - Pixel 6	000 to 255	0 to 100%
27*	CCT - Pixel 6	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
28*	Red - Pixel 6	000 to 255	0 to 100%
29*	Green - Pixel 6	000 to 255	0 to 100%
30*	Blue - Pixel 6	000 to 255	0 to 100%
31*	Intensity - Pixel 7	000 to 255	0 to 100%
32*	CCT - Pixel 7	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
33*	Red - Pixel 7	000 to 255	0 to 100%
34*	Green - Pixel 7	000 to 255	0 to 100%
35*	Blue - Pixel 7	000 to 255	0 to 100%
36*	Intensity - Pixel 8	000 to 255	0 to 100%
37*	CCT - Pixel 8	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
38*	Red - Pixel 8	000 to 255	0 to 100%
39*	Green - Pixel 8	000 to 255	0 to 100%
40*	Blue - Pixel 8	000 to 255	0 to 100%
41*	Intensity - Pixel 9	000 to 255	0 to 100%
42*	CCT - Pixel 9	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
43*	Red - Pixel 9	000 to 255	0 to 100%
44*	Green - Pixel 9	000 to 255	0 to 100%
45*	Blue - Pixel 9	000 to 255	0 to 100%
46*	Intensity - Pixel 10	000 to 255	0 to 100%
47*	CCT - Pixel 1	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
48*	Red - Pixel 10	000 to 255	0 to 100%
49*	Green - Pixel 10	000 to 255	0 to 100%
50*	Blue - Pixel 10	000 to 255	0 to 100%
51*	Intensity - Pixel 11	000 to 255	0 to 100%
52*	CCT - Pixel 11	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
53*	Red - Pixel 11	000 to 255	0 to 100%
54*	Green - Pixel 11	000 to 255	0 to 100%
55*	Blue - Pixel 11	000 to 255	0 to 100%

**Mode 22 - RGB Spectrum Pixel, 8-Bit**

DMX Channel	Function	DMX Value	Output
56*	Intensity - Pixel 12	000 to 255	0 to 100%
57*	CCT - Pixel 12	000 to 059 060 to 179 180 to 221 222 to 255	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
58*	Red - Pixel 12	000 to 255	0 to 100%
59*	Green - Pixel 12	000 to 255	0 to 100%
60*	Blue - Pixel 12	000 to 255	0 to 100%

**Mode 23 - RGB Spectrum Pixel, 16b**

DMX Channel	Function	DMX Value	Output
1 & 2	Intensity - Pixel 1 - HI & LO	00000 to 65535	0 to 100%
3 & 4	CCT - Pixel 1 - HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
5 & 6	Red - Pixel 1 - HI & LO	00000 to 65535	0 to 100%
7 & 8	Green - Pixel 1 - HI & LO	00000 to 65535	0 to 100%
9 & 10	Blue - Pixel 1 - HI & LO	00000 to 65535	0 to 100%
11 & 12*	Intensity - Pixel 2 - HI & LO	00000 to 65535	0 to 100%
13 & 14*	CCT - Pixel 2 - HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
15 & 16*	Red - Pixel 2 - HI & LO	00000 to 65535	0 to 100%
17 & 18*	Green - Pixel 2 - HI & LO	00000 to 65535	0 to 100%
19 & 20*	Blue - Pixel 2 - HI & LO	00000 to 65535	0 to 100%
21 & 22*	Intensity - Pixel 3 - HI & LO	00000 to 65535	0 to 100%
23 & 24*	CCT - Pixel 3- HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
25 & 26*	Red - Pixel 3 - HI & LO	00000 to 65535	0 to 100%
27 & 28*	Green - Pixel 3 - HI & LO	00000 to 65535	0 to 100%
29 & 30*	Blue - Pixel 3 - HI & LO	00000 to 65535	0 to 100%
31 & 32*	Intensity - Pixel 4 - HI & LO	00000 to 65535	0 to 100%
33 & 34*	CCT - Pixel 4 - HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
35 & 36*	Red - Pixel 4 - HI & LO	00000 to 65535	0 to 100%
37 & 38*	Green - Pixel 4 - HI & LO	00000 to 65535	0 to 100%
39 & 40*	Blue - Pixel 4 - HI & LO	00000 to 65535	0 to 100%
41 & 42*	Intensity - Pixel 5 - HI & LO	00000 to 65535	0 to 100%
43 & 44*	CCT - Pixel 5 - HI & LO	00000 to 15359 15360 to 46079 46080 to 56831 56832 to 65535	2000 to 2590 (10° steps) 2600 to 5575 (25° steps) 5600 to 7650 (50° steps) 7700 to 11000 (100° steps)
45 & 46*	Red - Pixel 5 - HI & LO	00000 to 65535	0 to 100%
47 & 48*	Green - Pixel 5 - HI & LO	00000 to 65535	0 to 100%



**Mode 23 - RGB Spectrum Pixel**

DMX Channel	Function	DMX Value	Output
49 & 50*	Blue - Pixel 5 - HI & LO	00000 to 65535	0 to 100%
51 & 52*	Intensity - Pixel 6 - HI & LO	00000 to 65535	0 to 100%
53 & 54*	CCT - Pixel 6 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
55 & 56*	Red - Pixel 6 - HI & LO	00000 to 65535	0 to 100%
57 & 58*	Green - Pixel 6 - HI & LO	00000 to 65535	0 to 100%
59 & 60*	Blue - Pixel 6 - HI & LO	00000 to 65535	0 to 100%
61 & 62*	Intensity - Pixel 7 - HI & LO	00000 to 65535	0 to 100%
63 & 64*	CCT - Pixel 7 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
65 & 66*	Red - Pixel 7 - HI & LO	00000 to 65535	0 to 100%
67 & 68*	Green - Pixel 7 - HI & LO	00000 to 65535	0 to 100%
69 & 70*	Blue - Pixel 7 - HI & LO	00000 to 65535	0 to 100%
71 & 72*	Intensity - Pixel 8 - HI & LO	00000 to 65535	0 to 100%
73 & 74*	CCT - Pixel 8 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
75 & 76*	Red - Pixel 8 - HI & LO	00000 to 65535	0 to 100%
77 & 78*	Green - Pixel 8 - HI & LO	00000 to 65535	0 to 100%
79 & 80*	Blue - Pixel 8 - HI & LO	00000 to 65535	0 to 100%
81 & 82*	Intensity - Pixel 9 - HI & LO	00000 to 65535	0 to 100%
83 & 84*	CCT - Pixel 9 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
85 & 86*	Red - Pixel 9 - HI & LO	00000 to 65535	0 to 100%
87 & 88*	Green - Pixel 9 - HI & LO	00000 to 65535	0 to 100%
89 & 90*	Blue - Pixel 9 - HI & LO	00000 to 65535	0 to 100%
91 & 92*	Intensity - Pixel 10 - HI & LO	00000 to 65535	0 to 100%
93 & 94*	CCT - Pixel 10 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
95 & 96*	Red - Pixel 10 - HI & LO	00000 to 65535	0 to 100%
97 & 98*	Green - Pixel 10 - HI & LO	00000 to 65535	0 to 100%
99 & 100*	Blue - Pixel 10 - HI & LO	00000 to 65535	0 to 100%
101 & 102*	Intensity - Pixel 11 - HI & LO	00000 to 65535	0 to 100%
103 & 104*	CCT - Pixel 1 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
105 & 106*	Red - Pixel 11 - HI & LO	00000 to 65535	0 to 100%
107 & 108*	Green - Pixel 11 - HI & LO	00000 to 65535	0 to 100%
109 & 110*	Blue - Pixel 11 - HI & LO	00000 to 65535	0 to 100%
111 & 112*	Intensity - Pixel 12 - HI & LO	00000 to 65535	0 to 100%

### Mode 23 - RGB Spectrum Pixel

DMX Channel	Function	DMX Value	Output
113 & 114*	CCT - Pixel 12 - HI & LO	00000 to 15359	2000 to 2590 (10° steps)
		15360 to 46079	2600 to 5575 (25° steps)
		46080 to 56831	5600 to 7650 (50° steps)
		56832 to 65535	7700 to 11000 (100° steps)
		56832 to 65535	
115 & 116*	Red - Pixel 12 - HI & LO	00000 to 65535	0 to 100%
117 & 118*	Green - Pixel 12 - HI & LO	00000 to 65535	0 to 100%
119 & 120*	Blue - Pixel 12 - HI & LO	00000 to 65535	0 to 100%

\* Channel count depends on number of pixels detected by Spectrum Dimmer.

**8b CCT Table**

DMX Channel	CCT	DMX Channel	CCT
0	2000	46	2460
1	2010	47	2470
2	2020	48	2480
3	2030	49	2490
4	2040	50	2500
5	2050	51	2510
6	2060	52	2520
7	2070	53	2530
8	2080	54	2540
9	2090	55	2550
10	2100	56	2560
11	2110	57	2570
12	2120	58	2580
13	2130	59	2590
14	2140	60	2600*
15	2150	61	2625
16	2160	62	2650
17	2170	63	2675
18	2180	64	2700
19	2190	65	2725
20	2200	66	2750
21	2210	67	2775
22	2220	68	2800
23	2230	69	2825
24	2240	70	2850
25	2250	71	2875
26	2260	72	2900
27	2270	73	2925
28	2280	74	2950
29	2290	75	2975
30	2300	76	3000
31	2310	77	3025
32	2320	78	3050
33	2330	79	3075
34	2340	80	3100
35	2350	81	3125
36	2360	82	3150
37	2370	83	3175
38	2380	84	3200
36	2360	85	3225
37	2370	86	3250
38	2380	87	3275
39	2390	88	3300
40	2400	89	3325
41	2410	90	3350
42	2420	91	3375
43	2430	92	3400
44	2440	93	3425
45	2450	94	3450

**8-Bit CCT Table**

DMX Channel	CCT	DMX Channel	CCT
95	3475	144	4700
96	3500	145	4725
97	3525	146	4750
98	3550	147	4775
99	3575	148	4800
100	3600	149	4825
101	3625	150	4850
102	3650	151	4875
103	3675	152	4900
104	3700	153	4925
105	3725	154	4950
106	3750	155	4975
107	3775	156	5000
108	3800	157	5025
109	3825	158	5050
110	3850	159	5075
111	3875	160	5100
112	3900	161	5125
113	3925	162	5150
114	3950	163	5175
115	3975	164	5200
116	4000	165	5225
117	4025	166	5250
118	4050	167	5275
119	4075	168	5300
120	4100	169	5325
121	4125	170	5350
122	4150	171	5375
123	4175	172	5400
124	4200	173	5425
125	4225	174	5450
126	4250	175	5475
127	4275	176	5500
128	4300	177	5525
129	4325	178	5550
130	4350	179	5575
131	4375	180	5600*
132	4400	181	5650
133	4425	182	5700
134	4450	183	5750
135	4475	184	5800
136	4500	185	5850
137	4525	186	5900
138	4550	187	5950
139	4575	188	6000
140	4600	189	6050
141	4625	190	6100
142	4650	191	6150
143	4675	192	6200

**8b CCT Table**

DMX Channel	CCT	DMX Channel	CCT
193	6250	239	9400
194	6300	240	9500
195	6350	241	9600
196	6400	242	9700
197	6450	243	9800
198	6500	244	9900
199	6550	245	10000
200	6600	246	10100
201	6650	247	10200
202	6700	248	10300
203	6750	249	10400
204	6800	250	10500
205	6850	251	10600
206	6900	252	10700
207	6950	253	10800
208	7000	254	10900
209	7050	255	11000
210	7100		
211	7150		
212	7200		
213	7250		
214	7300		
215	7350		
216	7400		
217	7450		
218	7500		
219	7550		
220	7600		
221	7650		
222	7700*		
223	7800		
224	7900		
225	8000		
226	8100		
227	8200		
228	8300		
229	8400		
230	8500		
231	8600		
232	8700		
233	8800		
234	8900		
235	9000		
236	9100		
237	9200		
238	9300		
239	9400		
240	9500		
241	9600		

Accent Color <sup>o</sup>	DMX Value	Sample	RGB Values	Color Name	Type
0	0	Red	rgb(255, 0, 0)	Red	Primary
1	1	Red +1		Red +1	
3	2	Red +3		Red +3	
4	3	Red +4		Red +4	
5	4	Red +5		Red +5	
7	5	Red +7		Red +7	
8	6	Red +8		Red +8	
10	7	Red +10		Red +10	
11	8	Red +11		Red +11	
12	9	Red +12		Red +12	
14	10	Red +14		Red +14	
15	11	Red-Yellow -15	rgb(255, 64, 0)	Red-Yellow -15	Quaternary
17	12	Red-Yellow -13		Red-Yellow -13	
18	13	Red-Yellow -12		Red-Yellow -12	
19	14	Red-Yellow -11		Red-Yellow -11	
21	15	Red-Yellow -9		Red-Yellow -9	
22	16	Red-Yellow -8		Red-Yellow -8	
24	17	Red-Yellow -6		Red-Yellow -6	
25	18	Red-Yellow -5		Red-Yellow -5	
27	19	Red-Yellow -3		Red-Yellow -3	
28	20	Red-Yellow -2		Red-Yellow -2	
30	21	Red-Yellow	rgb(255, 128, 0)	Red-Yellow	Tertiary
31	22	Red-Yellow +1		Red-Yellow +1	
32	23	Red-Yellow +2		Red-Yellow +2	
34	24	Red-Yellow +4		Red-Yellow +4	
35	25	Red-Yellow +5		Red-Yellow +5	
36	26	Red-Yellow +6		Red-Yellow +6	
38	27	Red-Yellow +8		Red-Yellow +8	
39	28	Red-Yellow +9		Red-Yellow +9	
41	29	Red-Yellow +11		Red-Yellow +11	
42	30	Red-Yellow +12		Red-Yellow +12	
43	31	Red-Yellow +13		Red-Yellow +13	
45	32	Yellow -15	rgb(255, 191, 0)	Yellow -15	Quaternary
46	33	Yellow -14		Yellow -14	
48	34	Yellow -12		Yellow -12	
49	35	Yellow -11		Yellow -11	
50	36	Yellow -10		Yellow -10	
52	37	Yellow -8		Yellow -8	
53	38	Yellow -7		Yellow -7	
55	39	Yellow -5		Yellow -5	
56	40	Yellow -4		Yellow -4	
57	41	Yellow -3		Yellow -3	
59	42	Yellow -1		Yellow -1	
60	43	Yellow	rgb(255, 255, 0)	Yellow	Secondary
62	44	Yellow +2		Yellow +2	
63	45	Yellow +3		Yellow +3	
64	46	Yellow +4		Yellow +4	
66	47	Yellow +6		Yellow +6	
67	48	Yellow +7		Yellow +7	

Accent Color°	DMX Value	Sample	RGB Values	Color Name	Type
69	49	Yellow +9		Yellow +9	
70	50	Yellow +10		Yellow +10	
72	51	Yellow +12		Yellow +12	
73	52	Yellow +13		Yellow +13	
75	53	Yellow-Green -15	rgb(191, 255, 0)	Yellow-Green -15	Quaternary
76	54	Yellow-Green -14		Yellow-Green -14	
77	55	Yellow-Green -13		Yellow-Green -13	
79	56	Yellow-Green -11		Yellow-Green -11	
80	57	Yellow-Green -10		Yellow-Green -10	
81	58	Yellow-Green -9		Yellow-Green -9	
83	59	Yellow-Green -7		Yellow-Green -7	
84	60	Yellow-Green -6		Yellow-Green -6	
86	61	Yellow-Green -4		Yellow-Green -4	
87	62	Yellow-Green -3		Yellow-Green -3	
88	63	Yellow-Green -2		Yellow-Green -2	
90	64	Yellow-Green	rgb(128, 255, 0)	Yellow-Green	Tertiary
91	65	Yellow-Green +1		Yellow-Green +1	
93	66	Yellow-Green +3		Yellow-Green +3	
94	67	Yellow-Green +4		Yellow-Green +4	
95	68	Yellow-Green +5		Yellow-Green +5	
97	69	Yellow-Green +7		Yellow-Green +7	
98	70	Yellow-Green +8		Yellow-Green +8	
100	71	Yellow-Green +10		Yellow-Green +10	
101	72	Yellow-Green +11		Yellow-Green +11	
102	73	Yellow-Green +12		Yellow-Green +12	
104	74	Yellow-Green +14		Yellow-Green +14	
105	75	Green -15	rgb(64, 255, 0)	Green -15	Quaternary
107	76	Green -13		Green -13	
108	77	Green -12		Green -12	
109	78	Green -11		Green -11	
111	79	Green -9		Green -9	
112	80	Green -8		Green -8	
114	81	Green -6		Green -6	
115	82	Green -5		Green -5	
117	83	Green -3		Green -3	
118	84	Green -2		Green -2	
120	85	Green	rgb(0, 255, 0)	Green	Primary
121	86	Green +1		Green +1	
122	87	Green +2		Green +2	
124	88	Green +4		Green +4	
125	89	Green +5		Green +5	
126	90	Green +6		Green +6	
128	91	Green +8		Green +8	
129	92	Green +9		Green +9	
131	93	Green +11		Green +11	
132	94	Green +12		Green +12	
133	95	Green +13		Green +13	
135	96	Green-Cyan -15	rgb(0, 255, 64)	Green-Cyan -15	Quaternary
136	97	Green-Cyan -14		Green-Cyan -14	

Accent Color <sup>o</sup>	DMX Value	Sample	RGB Values	Color Name	Type
138	98	Green-Cyan -12		Green-Cyan -12	
139	99	Green-Cyan -11		Green-Cyan -11	
140	100	Green-Cyan -10		Green-Cyan -10	
142	101	Green-Cyan -8		Green-Cyan -8	
143	102	Green-Cyan -7		Green-Cyan -7	
145	103	Green-Cyan -5		Green-Cyan -5	
146	104	Green-Cyan -4		Green-Cyan -4	
147	105	Green-Cyan -3		Green-Cyan -3	
149	106	Green-Cyan -1		Green-Cyan -1	
150	107	Green-Cyan	rgb(0, 255, 128)	Green-Cyan	Tertiary
152	108	Green-Cyan +2		Green-Cyan +2	
153	109	Green-Cyan +3		Green-Cyan +3	
154	110	Green-Cyan +4		Green-Cyan +4	
156	111	Green-Cyan +6		Green-Cyan +6	
157	112	Green-Cyan +7		Green-Cyan +7	
159	113	Green-Cyan +9		Green-Cyan +9	
160	114	Green-Cyan +10		Green-Cyan +10	
162	115	Green-Cyan +12		Green-Cyan +12	
163	116	Green-Cyan +13		Green-Cyan +13	
164	117	Green-Cyan +14	rgb(0, 255, 192)	Green-Cyan +14	Quaternary
166	118	Cyan -14		Cyan -14	
167	119	Cyan -13		Cyan -13	
169	120	Cyan -11		Cyan -11	
170	121	Cyan -10		Cyan -10	
171	122	Cyan -9		Cyan -9	
173	123	Cyan -7		Cyan -7	
174	124	Cyan -6		Cyan -6	
176	125	Cyan -4		Cyan -4	
177	126	Cyan -3		Cyan -3	
178	127	Cyan -2		Cyan -2	
180	128	Cyan	rgb(0, 255, 255)	Cyan	Secondary
181	129	Cyan +1		Cyan +1	
183	130	Cyan +3		Cyan +3	
184	131	Cyan +4		Cyan +4	
185	132	Cyan +5		Cyan +5	
187	133	Cyan +7		Cyan +7	
188	134	Cyan +8		Cyan +8	
190	135	Cyan +10		Cyan +10	
191	136	Cyan +11		Cyan +11	
192	137	Cyan +12		Cyan +12	
194	138	Cyan +14		Cyan +14	
195	139	Cyan-Blue -15	rgb(0, 191, 255)	Cyan-Blue -15	Quaternary
197	140	Cyan-Blue -13		Cyan-Blue -13	
198	141	Cyan-Blue -12		Cyan-Blue -12	
199	142	Cyan-Blue -11		Cyan-Blue -11	
201	143	Cyan-Blue -9		Cyan-Blue -9	
202	144	Cyan-Blue -8		Cyan-Blue -8	
204	145	Cyan-Blue -6		Cyan-Blue -6	
205	146	Cyan-Blue -5		Cyan-Blue -5	



Accent Color°	DMX Value	Sample	RGB Values	Color Name	Type
207	147	Cyan-Blue -3		Cyan-Blue -3	
208	148	Cyan-Blue -2		Cyan-Blue -2	
209	149	Cyan-Blue -1	rgb(0, 128, 255)	Cyan-Blue -1	Tertiary
211	150	Cyan-Blue +1		Cyan-Blue +1	
212	151	Cyan-Blue +2		Cyan-Blue +2	
214	152	Cyan-Blue +4		Cyan-Blue +4	
215	153	Cyan-Blue +5		Cyan-Blue +5	
216	154	Cyan-Blue +6		Cyan-Blue +6	
218	155	Cyan-Blue +8		Cyan-Blue +8	
219	156	Cyan-Blue +9		Cyan-Blue +9	
221	157	Cyan-Blue +11		Cyan-Blue +11	
222	158	Cyan-Blue +12		Cyan-Blue +12	
223	159	Cyan-Blue +13		Cyan-Blue +13	
225	160	Blue -15	rgb(0, 64, 255)	Blue -15	Quaternary
226	161	Blue -14		Blue -14	
228	162	Blue -12		Blue -12	
229	163	Blue -11		Blue -11	
230	164	Blue -10		Blue -10	
232	165	Blue -8		Blue -8	
233	166	Blue -7		Blue -7	
235	167	Blue -5		Blue -5	
236	168	Blue -4		Blue -4	
237	169	Blue -3		Blue -3	
239	170	Blue -1		Blue -1	
240	171	Blue	rgb(0, 0, 255)	Blue	Primary
242	172	Blue +2		Blue +2	
243	173	Blue +3		Blue +3	
244	174	Blue +4		Blue +4	
246	175	Blue +6		Blue +6	
247	176	Blue +7		Blue +7	
249	177	Blue +9		Blue +9	
250	178	Blue +10		Blue +10	
252	179	Blue +12		Blue +12	
253	180	Blue +13		Blue +13	
254	181	Blue +14	rgb(64, 0, 255)	Blue +14	Quaternary
256	182	Blue-Magenta -14		Blue-Magenta -14	
257	183	Blue-Magenta -13		Blue-Magenta -13	
259	184	Blue-Magenta -11		Blue-Magenta -11	
260	185	Blue-Magenta -10		Blue-Magenta -10	
261	186	Blue-Magenta -9		Blue-Magenta -9	
263	187	Blue-Magenta -7		Blue-Magenta -7	
264	188	Blue-Magenta -6		Blue-Magenta -6	
266	189	Blue-Magenta -4		Blue-Magenta -4	
267	190	Blue-Magenta -3		Blue-Magenta -3	
268	191	Blue-Magenta -2		Blue-Magenta -2	
270	192	Blue-Magenta	rgb(128, 0, 255)	Blue-Magenta	Tertiary
271	193	Blue-Magenta +1		Blue-Magenta +1	
274	195	Blue-Magenta +4		Blue-Magenta +4	
275	196	Blue-Magenta +5		Blue-Magenta +5	

Accent Color°	DMX Value	Sample	RGB Values	Color Name	Type
277	197	Blue-Magenta +7		Blue-Magenta +7	
278	198	Blue-Magenta +8		Blue-Magenta +8	
280	199	Blue-Magenta +10		Blue-Magenta +10	
281	200	Blue-Magenta +11		Blue-Magenta +11	
282	201	Blue-Magenta +12		Blue-Magenta +12	
284	202	Blue-Magenta +14		Blue-Magenta +14	
285	203	Magenta -15	rgb(191, 0, 255)	Magenta -15	Quaternary
287	204	Magenta -13		Magenta -13	
288	205	Magenta -12		Magenta -12	
289	206	Magenta -11		Magenta -11	
291	207	Magenta -9		Magenta -9	
292	208	Magenta -8		Magenta -8	
294	209	Magenta -6		Magenta -6	
295	210	Magenta -5		Magenta -5	
297	211	Magenta -3		Magenta -3	
298	212	Magenta -2		Magenta -2	
299	213	Magenta -1	rgb(255, 0, 255)	Magenta -1	Secondary
301	214	Magenta +1		Magenta +1	
302	215	Magenta +2		Magenta +2	
304	216	Magenta +4		Magenta +4	
305	217	Magenta +5		Magenta +5	
306	218	Magenta +6		Magenta +6	
308	219	Magenta +8		Magenta +8	
309	220	Magenta +9		Magenta +9	
311	221	Magenta +11		Magenta +11	
312	222	Magenta +12		Magenta +12	
313	223	Magenta +13		Magenta +13	
315	224	Magenta-Red -15	rgb(255, 0, 191)	Magenta-Red -15	Quaternary
316	225	Magenta-Red -14		Magenta-Red -14	
318	226	Magenta-Red -12		Magenta-Red -12	
319	227	Magenta-Red -11		Magenta-Red -11	
320	228	Magenta-Red -10		Magenta-Red -10	
322	229	Magenta-Red -8		Magenta-Red -8	
323	230	Magenta-Red -7		Magenta-Red -7	
325	231	Magenta-Red -5		Magenta-Red -5	
326	232	Magenta-Red -4		Magenta-Red -4	
327	233	Magenta-Red -3		Magenta-Red -3	
329	234	Magenta-Red -1		Magenta-Red -1	
330	235	Magenta-Red	rgb(255, 0, 128)	Magenta-Red	Tertiary
332	236	Magenta-Red +2		Magenta-Red +2	
333	237	Magenta-Red +3		Magenta-Red +3	
334	238	Magenta-Red +4		Magenta-Red +4	
336	239	Magenta-Red +6		Magenta-Red +6	
337	240	Magenta-Red +7		Magenta-Red +7	
339	241	Magenta-Red +9		Magenta-Red +9	
340	242	Magenta-Red +10		Magenta-Red +10	
342	243	Magenta-Red +12		Magenta-Red +12	
343	244	Magenta-Red +13		Magenta-Red +13	
344	245	Magenta-Red +14	rgb(255, 0, 64)	Magenta-Red +14	Quaternary

Accent Color°	DMX Value	Sample	RGB Values	Color Name	Type
346	246	Red -14		Red -14	
347	247	Red -13		Red -13	
349	248	Red -11		Red -11	
350	249	Red -10		Red -10	
351	250	Red -9		Red -9	
353	251	Red -7		Red -7	
354	252	Red -6		Red -6	
356	253	Red -4		Red -4	
357	254	Red -3		Red -3	
358	255	Red -2		Red -2	

COMMAND	PID	Description
<b>Manufacturer ID</b>	0x00BA	Manufacturer ID# (LiteGear, Inc)
<b>Model ID</b>		0x0001 (Spectrum AC600)
<b>Personality</b>		<b>DMX Personality</b>
	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- Reserved
	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- Reserved
	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- Reserved
	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)
	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)
<b>Network Management</b>		
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
<b>RDM Information</b>		
SUPPORTED PARAMETERS	0x0050	(G) Gets a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	(G) Gets a list of non-standard RDM commands
<b>Product Information</b>		
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
<b>DMX512 Setup</b>		
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
DMX Slot Info	0x0120	(G) Gets Info regarding slot functionality
DMX Slot Description	0x0212	(G) Gets ASCII text description for DMX slot offsets

COMMAND	PID	Description
<b>Sensors</b>		
<b>Sensors</b>		
<b>Sensors</b>		
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)
<b>Power / Lamp Settings</b>		
DEVICE POWER CYCLES	0x0405	(G) Gets the # of Device Power Cycles (Resets)
<b>Control</b>		
IDENTIFY DEVICE	0x1000	(G,S) Gets or Sets the Identify Device function (Flashing)
<b>Manufacturer Commands</b>		
<b>Manufacturer Commands</b>		
DMX_LOSS_BEHAVIOR	0x8001	(G, S) Gets or Sets the DMX Loss Behavior of the device DMX HOLD= 1 BLACKOUT= 0
DMX COLOR SPACE	0x8002	(G, S) Gets or Sets the DMX Color Mode REC 2020 COLOR MODE= 0 REC 709 COLOR MODE= 1
PIXEL QTY	0x8003	(G, S) Gets or Sets the Pixel Qty PIXEL QTY= 1 to 12
POWER LIMIT	0x8005	(G, S) Gets or Sets the Ballast Power Limit (5% to 100%)