

NANLUX

***Evoke 900C* DMX REFERENCE GUIDE**

This DMX reference guide has been compiled according to the rigorous testing for Nanlux products. Product designs are subject to change without prior notice. The latest version of this guide is downloadable at www.nanlux.com.

CCT & RGBW 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-255	0-100	CCT 1800K-20000K	
3	0-10 11-20 21-119 120-145 146-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	
4	0-255	0-100	CROSSFADE CCT to RGBW	
5	0-255	0-100	Red Intensity	
6	0-255	0-100	Green Intensity	
7	0-255	0-100	Blue Intensity	
8	0-255	0-100	White Intensity	
9	0-255	0-100	CCT 1800K-20000K	for Calibrated RGBW White Point
10	0-10 11-20 21-119 120-145 146-244 245-255	0-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	for Calibrated RGBW White Point

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
11	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
12	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
13-14			RESERVED	

CCT & RGBW 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	DIMMER 0.0% to 100.0%	
3-4	0-65535	0-100	CCT 1800K-20000K	
5-6	0-5000 5001-10000 10001-29999 30000-40000 40001-59999 60000-65535	0-4 5-8 9-47 48-57 58-96 97-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	
7	0-255	0-100	CROSSFADE CCT to RGBW	
8-9	0-65535	0-100	Red Intensity	
10-11	0-65535	0-100	Green Intensity	
12-13	0-65535	0-100	Blue Intensity	
14-15	0-65535	0-100	White Intensity	
16-17	0-65535	0-100	CCT 1800K-20000K	for Calibrated RGBW White Point
18-19	0-5000 5001-10000 10001-29999 30000-40000 40001-59999 60000-65535	0-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	for Calibrated RGBW White Point

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
20	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
21	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
22-25			RESERVED	

CCT & RGBLAC 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-255	0-100	CCT 1800K-20000K	
3	0-10 11-20 21-119 120-145 146-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	
4	0-255	0-100	CROSSFADE CCT to RGBLAC	
5	0-255	0-100	Red Intensity	
6	0-255	0-100	Green Intensity	
7	0-255	0-100	Blue Intensity	
8	0-255	0-100	Lime Intensity	
9	0-255	0-100	Amber Intensity	
10	0-255	0-100	Cyan Intensity	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
11	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
12	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
13-14			RESERVED	

CCT & RGBLAC 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	DIMMER 0.0% to 100.0%	
3-4	0-65535	0-100	CCT 1800K-20000K	
5-6	0-5000 5001-10000 10001-29999 30000-40000 40001-59999 60000-65535	0-4 5-8 9-47 48-57 58-96 97-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	
7	0-255	0-100	CROSSFADE CCT to RGBLAC	
8-9	0-65535	0-100	Red Intensity	
10-11	0-65535	0-100	Green Intensity	
12-13	0-65535	0-100	Blue Intensity	
14-15	0-65535	0-100	Lime Intensity	
16-17	0-65535	0-100	Amber Intensity	
18-19	0-65535	0-100	Cyan Intensity	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
20	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
21	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
22-25			RESERVED	

CCT & Adv.HSI 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-255	0-100	CCT 1800K-20000K	
3	0-10 11-20 21-119 120-145 146-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	
4	0-255	0-100	CROSSFADE CCT to Adv.HSI	
5	0-255	0-100	HUE 0 to 359 Degrees	
6	0-255	0-100	SAT 0 to Full Saturation	
7	0-255	0-100	CCT 1800K-20000K	HSI Base CCT

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
8	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
9	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
10-11			RESERVED	

CCT & Adv.HSI 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	DIMMER 0.0% to 100.0%	
3-4	0-65535	0-100	CCT 1800K-20000K	
5-6	0-5000 5001-10000 10001-29999 30000-40000 40001-59999 60000-65535	0-4 5-8 9-47 48-57 58-96 97-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	
7	0-255	0-100	CROSSFADE CCT to Adv.HSI	
8-9	0-65535	0-100	HUE 0 to 359 Degrees	
10-11	0-65535	0-100	SAT 0 to Full Saturation	
12-13	0-65535	0-100	CCT 1800K-20000K	HSI Base CCT

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
14	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
15	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
16-19			RESERVED	

CCT 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-255	0-100	CCT 1800K-20000K	
3	0-10 11-20 21-119 120-145 146-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
4	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
5	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
6-7			RESERVED	

CCT 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	DIMMER 0.0% to 100.0%	
3-4	0-65535	0-100	CCT 1800K-20000K	
5-6	0-5000 5001-10000 10001-29999 30000-40000 40001-59999 60000-65535	0-4 5-8 9-47 48-57 58-96 97-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
7	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
8	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
9-12			RESERVED	

Adv.HSI 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-255	0-100	HUE 0 to 359 Degrees	
3	0-255	0-100	SAT 0 to Full Saturation	
4	0-255	0-100	CCT 1800K-20000K	HSI Base CCT

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
5	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
6	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
7-8			RESERVED	

Adv.HSI 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	DIMMER 0.0% to 100.0%	
3-4	0-65535	0-100	HUE 0 to 359 Degrees	
5-6	0-65535	0-100	SAT 0 to Full Saturation	
7-8	0-65535	0-100	CCT 1800K-20000K	HSI Base CCT

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
9	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
10	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
11-14			RESERVED	

RGBW 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-255	0-100	Red Intensity	
3	0-255	0-100	Green Intensity	
4	0-255	0-100	Blue Intensity	
5	0-255	0-100	White Intensity	
6	0-255	0-100	CCT 1800K-20000K	for Calibrated RGBW White Point
7	0-10 11-20 21-119 120-145 146-244 245-255	0-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	for Calibrated RGBW White Point

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
8	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
9	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
10-11			RESERVED	

RGBW 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	DIMMER 0.0% to 100.0%	
3-4	0-65535	0-100	Red Intensity	
5-6	0-65535	0-100	Green Intensity	
7-8	0-65535	0-100	Blue Intensity	
9-10	0-65535	0-100	White Intensity	
11-12	0-65535	0-100	CCT 1800K-20000K	for Calibrated RGBW White Point
13-14	0-5000 5001-10000 10001-29999 30000-40000 40001-59999 60000-65535	0-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	for Calibrated RGBW White Point

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
15	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
16	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
17-20			RESERVED	

RGBLAC 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-255	0-100	Red Intensity	
3	0-255	0-100	Green Intensity	
4	0-255	0-100	Blue Intensity	
5	0-255	0-100	Lime Intensity	
6	0-255	0-100	Amber Intensity	
7	0-255	0-100	Cyan Intensity	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
8	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
9	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
10-11			RESERVED	

RGBLAC 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	DIMMER 0.0% to 100.0%	
3-4	0-65535	0-100	Red Intensity	
5-6	0-65535	0-100	Green Intensity	
7-8	0-65535	0-100	Blue Intensity	
9-10	0-65535	0-100	Lime Intensity	
11-12	0-65535	0-100	Amber Intensity	
13-14	0-65535	0-100	Cyan Intensity	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
15	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
16	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
17-20			RESERVED	

XY 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-255	0-100	X COORDINATE 0.0 to 0.8	
3	0-255	0-100	Y COORDINATE 0.0 to 0.8	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
4	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
5	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
6-7			RESERVED	

XY 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	DIMMER 0.0% to 100.0%	
3-4	0-65535	0-100	X COORDINATE 0.0 to 0.8	
5-6	0-65535	0-100	Y COORDINATE 0.0 to 0.8	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
7	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
8	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
9-12			RESERVED	

RGB 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	Red Intensity	
2	0-255	0-100	Green Intensity	
3	0-255	0-100	Blue Intensity	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
4	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
5	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
6-7			RESERVED	

RGB 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	Red Intensity	
3-4	0-65535	0-100	Green Intensity	
5-6	0-65535	0-100	Blue Intensity	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
7	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
8	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	STROBE OFF Random Fast Random Medium Random Slow Variable Strobe(0.4Hz --> 25Hz)	
9-12			RESERVED	

ULTIMATE DMX 8bit - CCT MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	0-12 13-24 25-37 38-50 51-62 63-75 76-88 89-100	MODE CCT Adv.HSI RGBW RGBLAC XY GEL EFFECT RESERVED	0 ≤ value ≤ 31
2	0-255	0-100	CCT 1800K-20000K	
4	0-10 11-20 21-119 120-145 146-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	
5	0-255	0-100	N/A	
6	0-255	0-100	N/A	
7	0-255	0-100	N/A	
8	0-255	0-100	N/A	
9	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
10-15			RESERVED	

ULTIMATE DMX 8bit - Adv.HSI MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	0-12 13-24 25-37 38-50 51-62 63-75 76-88 89-100	MODE CCT Adv.HSI RGBW RGBLAC XY GEL EFFECT RESERVED	32 ≤ value ≤ 63
3	0-255	0-100	HUE 0 to 359 Degrees	
4	0-255	0-100	SAT 0 to Full Saturation	
5	0-255	0-100	CCT 1800K-20000K	HSI Base CCT
6	0-255	0-100	N/A	
7	0-255	0-100	N/A	
8	0-255	0-100	N/A	
9	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
10-15			RESERVED	

ULTIMATE DMX 8bit - RGBW MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	0-12 13-24 25-37 38-50 51-62 63-75 76-88 89-100	MODE CCT Adv.HSI RGBW RGBLAC XY GEL EFFECT RESERVED	64 ≤ value ≤ 95
3	0-255	0-100	N/A	
4	0-255	0-100	N/A	
5	0-255	0-100	N/A	
6	0-255	0-100	N/A	
7	0-255	0-100	CCT 1800K-20000K	for Calibrated RGBW White Point
8	0-10 11-20 21-119 120-145 146-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	GREEN/MAGENTA Neutral/No Effect -200 Green -199 to -1 Green Neutral/No Effect +1 to +199 Green +200 Green	for Calibrated RGBW White Point
9	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
10-15			RESERVED	

ULTIMATE DMX 8bit - RGLAC MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	0-12 13-24 25-37 38-50 51-62 63-75 76-88 89-100	MODE CCT Adv.HSI RGBW RGLAC XY GEL EFFECT RESERVED	96 ≤ value ≤ 127
3	0-255	0-100	Red Intensity	
4	0-255	0-100	Green Intensity	
5	0-255	0-100	Blue Intensity	
6	0-255	0-100	Lime Intensity	
7	0-255	0-100	Amber Intensity	
8	0-255	0-100	Cyan Intensity	
9	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
10-15			RESERVED	

ULTIMATE DMX 8bit - XY MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	0-12 13-24 25-37 38-50 51-62 63-75 76-88 89-100	MODE CCT Adv.HSI RGBW RGBLAC XY GEL EFFECT RESERVED	128 ≤ value ≤ 159
3	0-255	0-100	X COORDINATE 0.0 to 0.8	
4	0-255	0-100	Y COORDINATE 0.0 to 0.8	
5	0-255	0-100	N/A	
6	0-255	0-100	N/A	
7	0-255	0-100	N/A	
8	0-255	0-100	N/A	
9	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
10-15			RESERVED	

ULTIMATE DMX 8bit - GEL MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	0-12 13-24 25-37 38-50 51-62 63-75 76-88 89-100	MODE CCT Adv.HSI RGBW RGBLAC XY GEL EFFECT RESERVED	160 ≤ value ≤ 191
3	0-127 128-255	0-50 51-100	GEL CCT 3200K 5600K	
4	0-255	0-100	GEL NO. See Gel number chart	
5	0-255	0-100	N/A	
6	0-255	0-100	N/A	
7	0-255	0-100	N/A	
8	0-255	0-100	N/A	
9	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
10-15			RESERVED	

GEL NUMBER CHART

VALUE	%	GEL NAME
0	0	Clear
1	0	Double CTB
2	0	Full CTB
3	1	3/4 CTB
4	1	1/2 CTB
5	1	1/4 CTB
6	2	1/8 CTB
7	2	Double CTO
8	3	Full CTO
9	3	3/4 CTO
10	3	1/2 CTO
11	4	1/4 CTO
12	4	1/8 CTO
13	5	Full CTS
14	5	1/2 CTS
15	5	1/4 CTS
16	6	1/8 CTS
17	6	Plus Green
18	7	1/2 Plus Green
19	7	1/4 Plus Green
20	7	1/8 Plus Green
21	8	Minus Green
22	8	1/2 Minus Green
23	9	1/4 Minus Green
24	9	1/8 Minus Green
25	9	L147 Apricot
26	10	L151 Gold Tint
27	10	L004 M.B.Amber
28	10	L162 Bastard Amber
29	11	L152 Pale Gold
30	11	L153 Pale Salmon
31	12	L154 Pale Rose
32	12	L035 Light Pink

GEL NUMBER CHART

VALUE	%	GEL NAME
33	12	L036 Medium Pink
34	13	L107 Light Rose
35	13	L108 English Rose
36	14	L109 Light Salmon
37	14	L110 Middle Rose
38	14	L111 Dark Pink
39	15	L157 Pink
40	15	L176 Loving Amber
41	16	L192 Flesh Pink
42	16	L053 Paler Lavender
43	16	L194 Surprise Pink
44	17	L003 Lavender Tint
45	17	L052 Light Lavender
46	18	L345 Fuchsia Pink
47	18	L137 S.Lavender
48	18	L136 Pale Lavender
49	19	L170 Deep Lavender
50	19	L169 Lilac Tint
51	20	L048 Rose Purple
52	20	L049 Medium Purple
53	20	L126 Mauve
54	21	L128 Bright Pink
55	21	L328 Follies Pink
56	21	L002 Rose Pink
57	22	L127 Smokey Pink
58	22	L024 Scarlet
59	23	L332 Special Rose Pink
60	23	L148 Bright Rose
61	23	L046 Dark Magenta
62	24	L113 Magenta
63	24	L026 Bright Red
64	25	L106 Primary Red
65	25	L029 Plasa Red

GEL NUMBER CHART

VALUE	%	GEL NAME
66	25	L027 Medium Red
67	26	L182 Light Red
68	26	L164 Flame
69	27	L019 Fire
70	27	L025 Sunset Red
71	27	L135 Deep Golden Amber
72	28	L021 Gold Amber
73	28	L158 Deep Orange
74	29	L134 Golden Amber
75	29	L017 Surprise Peach
76	29	L643 1/4 Mustard Yellow
77	30	L642 1/2 Mustard Yellow
78	30	L741 Mustard Yellow
79	30	L652 Urban Sodium
80	31	L653 L0 Sodium
81	31	L512 Amber Delight
82	32	L650 Industry Sodium
83	32	L156 Chocolate
84	32	L008 Dark Salmon
85	33	L105 Orange
86	33	L022 Dark Amber
87	34	L179 Chrome Orange
88	34	L020 Medium Amber
89	34	L015 Deep Straw
90	35	L102 Light Amber
91	35	L007 Pale Yellow
92	36	L010 Medium Yellow
93	36	L100 Spring Yellow
94	36	L765 Yellow
95	37	L104 Deep Amber
96	37	L013 Straw Tint
97	38	L103 Straw
98	38	L009 Pale Amber Gold

GEL NUMBER CHART

VALUE	%	GEL NAME
99	38	L159 No Color Straw
100	39	L161 Slate Blue
101	39	L143 Pale Navy Blue
102	40	L061 Mist Blue
103	40	L063 Pale Blue
104	40	L197 Alice Blue
105	41	L196 True Blue
106	41	L075 Evening Blue
107	41	L079 Just Blue
108	42	L119 Dark Blue
109	42	L085 Deeper Blue
110	43	L120 Deep Blue
111	43	L199 Regal Blue
112	43	L195 Zenith Blue
113	44	L198 Palace Blue
114	44	L071 Tokyo Blue
115	45	L181 Congo Blue
116	45	L343 S.M.Lavender
117	45	L180 Dark Lavender
118	46	L058 Lavender
119	46	L142 Pale Violet
120	47	L165 Daylight Blue
121	47	L068 Sky Blue
122	47	L132 Medium Blue
123	48	L183 Moonlight Blue
124	48	L141 Bright Blue
125	49	L144 No Color Blue
126	49	L140 Summer Blue
127	49	L172 Lagoon Blue
128	50	L116 Medium Blue-Green
129	50	L115 Peacock Blue
130	50	L131 Marine Blue
131	51	L354 Special Steel Blue

GEL NUMBER CHART

VALUE	%	GEL NAME
132	51	L117 Steel Blue
133	52	L174 Dark Steel Blue
134	52	L366 Cornflower
135	52	L118 Light Blue
136	53	L352 Glacier Blue
137	53	L353 Lighter Blue
138	54	L363 Special Medium Blue
139	54	L322 Soft Green
140	54	L323 Jade
141	55	L121 Green
142	55	L122 Fern Green

GEL NUMBER CHART

VALUE	%	GEL NAME
143	56	L124 Dark Green
144	56	L139 Primary Green
145	56	L327 Forest Green
146	57	L138 Pale Green
147	57	L219 Fluorescent Green
148	58	L090 Dark Yellow Green
149	58	L089 Moss Green
150	58	L088 Lime Green
151	59	L213 White Flame Green
152 - 255	59-100	RESERVED

ULTIMATE DMX 8bit - EFFECT MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	DIMMER 0.0% to 100.0%	
2	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	0-12 13-24 25-37 38-50 51-62 63-75 76-88 89-100	MODE CCT Adv.HSI RGBW RGBLAC XY GEL EFFECT RESERVED	192 ≤ value ≤ 223
3	0-12 13-25 26-38 39-51 52-63 64-76 77-89 90-102 103-114 115-127 128-140 141-153 154-165 166-178 179-191 192-255	0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-100	EFFECT MODE HUE LOOP CCT LOOP INT LOOP FLASH PULSE STORM POLICE CAR TV PAPARAZZI CANDLE/FIRE DISCO BAD BULB FIREWORK EXPLOSION WELDING RESERVED	
4	0-255	0-100	DMX EFFECTS PARAMETER #1	See DMX Effects chart
5	0-255	0-100	DMX EFFECTS PARAMETER #2	See DMX Effects chart
6	0-255	0-100	DMX EFFECTS PARAMETER #3	See DMX Effects chart
7	0-255	0-100	DMX EFFECTS PARAMETER #4	See DMX Effects chart
8	0-255	0-100	DMX EFFECTS PARAMETER #5	See DMX Effects chart
9	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
10	0-255	0-100	DMX EFFECTS PARAMETER #6	See DMX Effects chart
11	0-255	0-100	DMX EFFECTS PARAMETER #7	See DMX Effects chart
12	0-255	0-100	DMX EFFECTS PARAMETER #8	See DMX Effects chart
13	0-255	0-100	DMX EFFECTS PARAMETER #9	See DMX Effects chart
14	0-255	0-100	DMX EFFECTS PARAMETER #10	See DMX Effects chart
15	0-255	0-100	DMX EFFECTS PARAMETER #11	See DMX Effects chart

DMX EFFECT CHART

EFFECT	HUE LOOP 0 ≤ VALUE ≤ 12			
CH4/PARAMETER #1	HUE1			
CH5/PARAMETER #2	HUE2			
CH6/PARAMETER #3	SAT			
CH7/PARAMETER #4	SPEED			
CH8/PARAMETER #5	CYCLE: ONE WAY = 0-85(0%-33%) CYCLE: TWO WAY = 86-170(34%-66%) CYCLE: REVERSE = 171-255(67%-100%)			
CH10/PARAMETER #6	ADD-ON: OFF = 0-63(0%-25%)	ADD-ON: FLASH = 64-127(26%-50%)	ADD-ON: RANDOM FLASH = 128-191(51%-75%)	ADD-ON: PULSE = 192-255(76%-100%)
CH11/PARAMETER #7	N/A	INTERVALS	SPEED	PULSES/MIN
CH12/PARAMETER #8	N/A	FLASH RATIO	N/A	N/A
CH13/PARAMETER #9	N/A			
CH14/PARAMETER #10	N/A			
CH15/PARAMETER #11	N/A			

DMX EFFECT CHART

EFFECT	CCT LOOP 13 ≤ VALUE ≤ 25			
CH4/PARAMETER #1	CCT1			
CH5/PARAMETER #2	CCT2			
CH6/PARAMETER #3	G/M			
CH7/PARAMETER #4	SPEED			
CH8/PARAMETER #5	CYCLE: ONE WAY = 0-85(0%-33%) CYCLE: TWO WAY = 86-170(34%-66%) CYCLE: REVERSE = 171-255(67%-100%)			
CH10/PARAMETER #6	ADD-ON: OFF = 0-63(0%-25%)	ADD-ON: FLASH = 64-127(26%-50%)	ADD-ON: RANDOM FLASH = 128-191(51%-75%)	ADD-ON: PULSE = 192-255(76%-100%)
CH11/PARAMETER #7	N/A	INTERVALS	SPEED	PULSES/MIN
CH12/PARAMETER #8	N/A	FLASH RATIO	N/A	N/A
CH13/PARAMETER #9	N/A			
CH14/PARAMETER #10	N/A			
CH15/PARAMETER #11	N/A			

DMX EFFECT CHART

EFFECT	INT LOOP 26 ≤ VALUE ≤ 38			
CH4/PARAMETER #1	DIM LOW			
CH5/PARAMETER #2	COLOR: CCT MODE = 0-127(0%-50%)		COLOR: HSI MODE = 128-255(51%-100%)	
CH6/PARAMETER #3	CCT		HUE	
CH7/PARAMETER #4	G/M		SAT	
CH8/PARAMETER #5	SPEED			
CH10/PARAMETER #6	CYCLE: ONE WAY = 0-85(0%-33%) CYCLE: TWO WAY = 86-170(34%-66%) CYCLE: REVERSE = 171-255(67%-100%)			
CH11/PARAMETER #7	ADD-ON: OFF = 0-63(0%-25%)	ADD-ON: FLASH = 64-127(26%-50%)	ADD-ON: RANDOM FLASH = 128-191(51%-75%)	ADD-ON: PULSE = 192-255(76%-100%)
CH12/PARAMETER #8	N/A	INTERVALS	SPEED	PULSES/MIN
CH13/PARAMETER #9	N/A	FLASH RATIO	N/A	N/A
CH14/PARAMETER #10	N/A			
CH15/PARAMETER #11	N/A			

DMX EFFECT CHART

EFFECT	FLASH 39 ≤ VALUE ≤ 51			
CH4/PARAMETER #1	COLOR: CCT MODE = 0-127(0%-50%)		COLOR: HSI MODE = 128-255(51%-100%)	
CH5/PARAMETER #2	CCT		HUE	
CH6/PARAMETER #3	G/M		SAT	
CH7/PARAMETER #4	INTERVALS			
CH8/PARAMETER #5	FLASH RATIO			
CH10/PARAMETER #6	PAUSE: OFF = 0-127(0%-50%) PAUSE: ON = 128-255(51%-100%)			
CH11/PARAMETER #7	N/A			
CH12/PARAMETER #8	N/A			
CH13/PARAMETER #9	N/A			
CH14/PARAMETER #10	N/A			
CH15/PARAMETER #11	N/A			

DMX EFFECT CHART

EFFECT	PULSE 52 ≤ VALUE ≤ 63	
CH4/PARAMETER #1	COLOR: CCT MODE = 0-127(0%-50%)	COLOR: HSI MODE = 128-255(51%-100%)
CH5/PARAMETER #2	CCT	HUE
CH6/PARAMETER #3	G/M	SAT
CH7/PARAMETER #4	PULSES/MIN	
CH8/PARAMETER #5	N/A	
CH10/PARAMETER #6	N/A	
CH11/PARAMETER #7	N/A	
CH12/PARAMETER #8	N/A	
CH13/PARAMETER #9	N/A	
CH14/PARAMETER #10	N/A	
CH15/PARAMETER #11	N/A	

DMX EFFECT CHART

EFFECT	STORM 64 ≤ VALUE ≤ 76	
CH4/PARAMETER #1	CCT	
CH5/PARAMETER #2	FLASH TIMES HIGH	
CH6/PARAMETER #3	FLASH TIMES LOW	
CH7/PARAMETER #4	TRIGGER: AUTO = 0-127(0%-50%)	TRIGGER: MANUAL = 128-255(51%-100%)
CH8/PARAMETER #5	INTERVAL HIGH	Trigger: OFF = 0-127(0%-51%) Trigger: ON = 128-255(51%-100%)
CH10/PARAMETER #6	INTERVAL LOW	N/A
CH11/PARAMETER #7	PAUSE: OFF = 0-127(0%-50%) PAUSE: ON = 128-255(51%-100%)	N/A
CH12/PARAMETER #8	N/A	
CH13/PARAMETER #9	N/A	
CH14/PARAMETER #10	N/A	
CH15/PARAMETER #11	N/A	

DMX EFFECT CHART

EFFECT	POLICE CAR 77 ≤ VALUE ≤ 89
CH4/PARAMETER #1	COLOR: B = 0-63(0%-25%) COLOR: RB = 64-127(26%-50%) COLOR: BW = 128-191(51%-75%) COLOR: RBW = 192-255(76-100%)
CH5/PARAMETER #2	MODE: SINGLE = 0-63(0%-25%) MODE: DOUBLE = 64-127(26%-50%) MODE: TRIPLE = 128-191(51%-75%) MODE: QUAD = 192-255(76-100%)
CH6/PARAMETER #3	SPEED
CH7/PARAMETER #4	N/A
CH8/PARAMETER #5	N/A
CH10/PARAMETER #6	N/A
CH11/PARAMETER #7	N/A
CH12/PARAMETER #8	N/A
CH13/PARAMETER #9	N/A
CH14/PARAMETER #10	N/A
CH15/PARAMETER #11	N/A

DMX EFFECT CHART

EFFECT	TV 90 ≤ VALUE ≤ 102
CH4/PARAMETER #1	DIM LOW
CH5/PARAMETER #2	COLOR: CCT MODE = 0-127(0%-50%) COLOR: HSI MODE = 128-255(51%-100%)
CH6/PARAMETER #3	CCT HUE
CH7/PARAMETER #4	G/M SAT
CH8/PARAMETER #5	CCT SHIFT HUE SHIFT
CH10/PARAMETER #6	SPEED
CH11/PARAMETER #7	N/A
CH12/PARAMETER #8	N/A
CH13/PARAMETER #9	N/A
CH14/PARAMETER #10	N/A
CH15/PARAMETER #11	N/A

DMX EFFECT CHART

EFFECT	PAPARAZZI 103 ≤ VALUE ≤ 114
CH4/PARAMETER #1	CCT
CH5/PARAMETER #2	G/M
CH6/PARAMETER #3	SPEED
CH7/PARAMETER #4	N/A
CH8/PARAMETER #5	N/A
CH10/PARAMETER #6	N/A
CH11/PARAMETER #7	N/A
CH12/PARAMETER #8	N/A
CH13/PARAMETER #9	N/A
CH14/PARAMETER #10	N/A
CH15/PARAMETER #11	N/A

DMX EFFECT CHART

EFFECT	CANDLE/FIRE 115 ≤ VALUE ≤ 127	
CH4/PARAMETER #1	DIM LOW	
CH5/PARAMETER #2	COLOR: CCT MODE = 0-127(0%-50%)	COLOR: HSI MODE = 128-255(51%-100%)
CH6/PARAMETER #3	CCT	HUE
CH7/PARAMETER #4	G/M	SAT
CH8/PARAMETER #5	CCT SHIFT	HUE SHIFT
CH10/PARAMETER #6	SPEED	
CH11/PARAMETER #7	FLICKER: OFF = 0-127(0%-50%) FLICKER: ON = 128-255(51%-100%)	
CH12/PARAMETER #8	N/A	
CH13/PARAMETER #9	N/A	
CH14/PARAMETER #10	N/A	
CH15/PARAMETER #11	N/A	

DMX EFFECT CHART

EFFECT	DISCO 128 ≤ VALUE ≤ 140	
CH4/PARAMETER #1	COLOR:DEFAULT = 0-127(0%-50%)	COLOR:MANUAL = 128-255(51%-100%)
CH5/PARAMETER #2	AMOUNT:3 = 0-31(0%-12%) AMOUNT:6 = 32-63(13%-25%) AMOUNT:9 = 64-95(26%-37%) AMOUNT:12 = 96-127(38%-50%) AMOUNT:15 = 128-159(51%-62%) AMOUNT:18 = 160-191(63%-75%) AMOUNT:21 = 192-223(76%-87%) AMOUNT:24 = 224-255(88%-100%)	AMOUNT:1 = 0-42(0%-16%) AMOUNT:2 = 43-85(17%-33%) AMOUNT:3 = 86-127(34%-50%) AMOUNT:4 = 128-170(51%-66%) AMOUNT:5 = 171-212(67%-83%) AMOUNT:6 = 213-255(84%-100%)
CH6/PARAMETER #3	SPEED	
CH7/PARAMETER #4	SAT	
CH8/PARAMETER #5	N/A	C1 HUE
CH10/PARAMETER #6	N/A	C2 HUE
CH11/PARAMETER #7	N/A	C3 HUE
CH12/PARAMETER #8	N/A	C4 HUE
CH13/PARAMETER #9	N/A	C5 HUE
CH14/PARAMETER #10	N/A	C6 HUE
CH15/PARAMETER #11	N/A	N/A

DMX EFFECT CHART

EFFECT	BAD BULB 141 ≤ VALUE ≤ 153	
CH4/PARAMETER #1	COLOR:CCT MODE = 0-127(0%-50%)	COLOR:HSI MODE = 128-255(51%-100%)
CH5/PARAMETER #2	CCT	HUE
CH6/PARAMETER #3	G/M	SAT
CH7/PARAMETER #4	INTENSITY	
CH8/PARAMETER #5	SPEED	
CH10/PARAMETER #6	N/A	
CH11/PARAMETER #7	N/A	
CH12/PARAMETER #8	N/A	
CH13/PARAMETER #9	N/A	
CH14/PARAMETER #10	N/A	
CH15/PARAMETER #11	N/A	

DMX EFFECT CHART

EFFECT	FIREWORK 154 ≤ VALUE ≤ 165		
CH4/PARAMETER #1	COLOR: DEFAULT = 0-85(0%-33%)	COLOR: MANUAL = 86-170(34%-66%)	COLOR: CCT MODE = 171-255(67%-100%)
CH5/PARAMETER #2	AMOUNT: 3 = 0-31(0%-12%) AMOUNT: 6 = 32-63(13%-25%) AMOUNT: 9 = 64-95(26%-37%) AMOUNT: 12 = 96-127(38%-50%) AMOUNT: 15 = 128-159(51%-62%) AMOUNT: 18 = 160-191(63%-75%) AMOUNT: 21 = 192-223(76%-87%) AMOUNT: 24 = 224-255(88%-100%)	AMOUNT: 1 = 0-42(0%-16%) AMOUNT: 2 = 43-85(17%-33%) AMOUNT: 3 = 86-127(34%-50%) AMOUNT: 4 = 128-170(51%-66%) AMOUNT: 5 = 171-212(67%-83%) AMOUNT: 6 = 213-255(84%-100%)	CCT
CH6/PARAMETER #3	SAT		G/M
CH7/PARAMETER #4	SPEED		
CH8/PARAMETER #5	DECAY		
CH10/PARAMETER #6	N/A	C1 HUE	CCT SHIFT
CH11/PARAMETER #7	N/A	C2 HUE	N/A
CH12/PARAMETER #8	N/A	C3 HUE	N/A
CH13/PARAMETER #9	N/A	C4 HUE	N/A
CH14/PARAMETER #10	N/A	C5 HUE	N/A
CH15/PARAMETER #11	N/A	C6 HUE	N/A

DMX EFFECT CHART

EFFECT	EXPLOSION 166 ≤ VALUE ≤ 178	
CH4/PARAMETER #1	COLOR: CCT MODE = 0-127(0%-50%)	COLOR: HSI MODE = 128-255(51%-100%)
CH5/PARAMETER #2	CCT	HUE
CH6/PARAMETER #3	G/M	SAT
CH7/PARAMETER #4	DECAY	
CH8/PARAMETER #5	TRIGGER:AUTO = 0-127(0%-50%)	TRIGGER:MANUAL = 128-255(51%-100%)
CH10/PARAMETER #6	SPEED	Trigger: OFF = 0-127(0%-50%) Trigger: ON = 128-255(51%-100%)
CH11/PARAMETER #7	N/A	
CH12/PARAMETER #8	N/A	
CH13/PARAMETER #9	N/A	
CH14/PARAMETER #10	N/A	
CH15/PARAMETER #11	N/A	

DMX EFFECT CHART

EFFECT	WELDING 179 ≤ VALUE ≤ 191	
CH4/PARAMETER #1	DIM LOW	
CH5/PARAMETER #2	COLOR: CCT MODE = 0-127(0%-50%)	COLOR: HSI MODE = 128-255(51%-100%)
CH6/PARAMETER #3	CCT	HUE
CH7/PARAMETER #4	G/M	SAT
CH8/PARAMETER #5	SPEED	
CH10/PARAMETER #6	PAUSE: OFF = 0-127(0%-50%) PAUSE: ON = 128-255(51%-100%)	
CH11/PARAMETER #7	N/A	
CH12/PARAMETER #8	N/A	
CH13/PARAMETER #9	N/A	
CH14/PARAMETER #10	N/A	
CH15/PARAMETER #11	N/A	

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