

# NANLITE

*Forza 60CR*

DMX CHARTS

Version: V1.0

2024-08-28

## Revision History

Version	Date (Y-M-D)	Note
V1.0	2024-08-28	First Release

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## CCT & RGBW 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes	
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade		
2	CCT	1800K → 20000K	0% → 100%	0 → 255	0	Fade		
3	G/M	Neutral	0% → 3%	0 → 10	0	Fade & Step	G/M=Duv*10 <sup>4</sup>	
		-100	4% → 7%	11 → 20				
		-99 → -1	8% → 46%	21 → 119				
		Neutral	47% → 56%	120 → 145				
		+1 → +99	57% → 95%	146 → 244				
		+100	96% → 100%	245 → 255				
4	Crossfade	0 → 255	0% → 100%	0 → 255	0	Fade	CCT → RGBW	
5	Red	0 → 255	0% → 100%	0 → 255	0	Fade		
6	Green	0 → 255	0% → 100%	0 → 255	0	Fade		
7	Blue	0 → 255	0% → 100%	0 → 255	0	Fade		
8	White	0 → 255	0% → 100%	0 → 255	0	Fade		
9	CCT	1800K → 20000K	0% → 100%	0 → 255	0	Fade	For calibrating RGBW White Point	
10	G/M	-100 → 100	0% → 100%	0 → 255	0	Fade	For calibrating RGBW White Point	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.								
11	Fan	Smart	0% → 24%	0 → 63	0	Step		
		Full Speed	25% → 49%	64 → 127				
		Low Speed	50% → 74%	128 → 191				
		Off	75% → 100%	192 → 255				
12	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step		
		Random Fast	1.6%	4				1-10Hz
		Random Medium	2.0%	5				0.5-1Hz
		Random Slow	2.4%	6				0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255				
13/14	Reserved	/	/	/	/	/		

## CCT & RGBW 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0% → 100%	0% → 100%	0 → 65535	0	Fade	
3/4	CCT	1800K → 20000K	0% → 100%	0 → 65535	0	Fade	
5/6	G/M	Neutral	0% → 7%	0 → 5000	0	Fade & Step	G/M=Duv*10 <sup>4</sup>
		-100	8% → 14%	5001 → 10000			
		-99 → -1	15% → 45%	10001 → 29999			
		Neutral	46% → 60%	30000 → 40000			
		+1 → +99	61% → 91%	40001 → 59999			
	+100	92% → 100%	60000 → 65535				
7	Crossfade	0 → 255	0% → 100%	0 → 255	0	Fade	CCT → RGBW
8/9	Red	0 → 65535	0% → 100%	0 → 65535	0	Fade	
10/11	Green	0 → 65535	0% → 100%	0 → 65535	0	Fade	
12/13	Blue	0 → 65535	0% → 100%	0 → 65535	0	Fade	
14/15	White	0 → 65535	0% → 100%	0 → 65535	0	Fade	
16/17	CCT	1800K → 20000K	0% → 100%	0 → 65535	0	Fade	For calibrating RGBW White Point
18/19	G/M	-100 → +100	0% → 100%	0 → 65535	0	Fade	For calibrating RGBW White Point
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
20	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
21	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
22-25	Reserved	/	/	/	/	/	

## CCT & RGBACL 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	CCT	1800K → 20000K	0% → 100%	0 → 255	0	Fade	
3	G/M	Neutral	0% → 3%	0 → 10	0	Fade & Step	G/M=Duv*10 <sup>4</sup>
		-100	4% → 7%	11 → 20			
		-99 → -1	8% → 46%	21 → 119			
		Neutral	47% → 56%	120 → 145			
		+1 → +99	57% → 95%	146 → 244			
		+100	96% → 100%	245 → 255			
4	Crossfade	0 → 255	0% → 100%	0 → 255	0	Fade	CCT → RGBW
5	Red	0 → 255	0% → 100%	0 → 255	0	Fade	
6	Green	0 → 255	0% → 100%	0 → 255	0	Fade	
7	Blue	0 → 255	0% → 100%	0 → 255	0	Fade	
8	Amber	0 → 255	0% → 100%	0 → 255	0	Fade	
9	Cyan	0 → 255	0% → 100%	0 → 255	0	Fade	
10	Lime	0 → 255	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
11	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
12	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
13/14	Reserved	/	/	/	/	/	

## CCT & RGBACL 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0% → 100%	0% → 100%	0 → 65535	0	Fade	
3/4	CCT	1800K → 20000K	0% → 100%	0 → 65535	0	Fade	
5/6	G/M	Neutral	0% → 7%	0 → 5000	0	Fade & Step	G/M=Duv*10 <sup>4</sup>
		-100	8% → 14%	5001 → 10000			
		-99 → -1	15% → 45%	10001 → 29999			
		Neutral	46% → 60%	30000 → 40000			
		+1 → +99	61% → 91%	40001 → 59999			
		+100	92% → 100%	60000 → 65535			
7	Crossfade	0 → 255	0% → 100%	0 → 255	0	Fade	CCT → RGBW
8/9	Red	0 → 65535	0% → 100%	0 → 65535	0	Fade	
10/11	Green	0 → 65535	0% → 100%	0 → 65535	0	Fade	
12/13	Blue	0 → 65535	0% → 100%	0 → 65535	0	Fade	
14/15	Amber	0 → 65535	0% → 100%	0 → 65535	0	Fade	
16/17	Cyan	0 → 65535	0% → 100%	0 → 65535	0	Fade	
18/19	Lime	0 → 65535	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
20	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
21	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
22-25	Reserved	/	/	/	/	/	

## CCT & HSI 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	CCT	1800K → 20000K	0% → 100%	0 → 255	0	Fade	
3	G/M	Neutral	0% → 3%	0 → 10	0	Fade & Step	G/M=Duv*10 <sup>4</sup>
		-100	4% → 7%	11 → 20			
		-99 → -1	8% → 46%	21 → 119			
		Neutral	47% → 56%	120 → 145			
		+1 → +99	57% → 95%	146 → 244			
		+100	96% → 100%	245 → 255			
4	Crossfade	0 → 255	0% → 100%	0 → 255	0	Fade	CCT → HSI
5	Hue	0 → 360	0% → 100%	0 → 255	0	Fade	
6	Saturation	0 → 100	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
7	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
8	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
9/10	Reserved	/	/	/	/	/	



## CCT & HSI 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0% → 100%	0% → 100%	0 → 65535	0	Fade	
3/4	CCT	1800K → 20000K	0% → 100%	0 → 65535	0	Fade	
5/6	G/M	Neutral	0% → 7%	0 → 5000	0	Fade & Step	G/M=Duv*10 <sup>4</sup>
		-100	8% → 14%	5001 → 10000			
		-99 → -1	15% → 45%	10001 → 29999			
		Neutral	46% → 60%	30000 → 40000			
		+1 → +99	61% → 91%	40001 → 59999			
		+100	92% → 100%	60000 → 65535			
7	Crossfade	0 → 255	0% → 100%	0 → 255	0	Fade	CCT → HSI
8/9	Hue	0 → 360	0% → 100%	0 → 65535	0	Fade	
10/11	Saturation	0 → 100	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
12	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
13	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
14-17	Reserved	/	/	/	/	/	

## CCT 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	CCT	1800K → 20000K	0% → 100%	0 → 255	0	Fade	
3	G/M	Neutral	0% → 3%	0 → 10	0	Fade & Step	G/M=Duv*10 <sup>4</sup>
		-100	4% → 7%	11 → 20			
		-99 → -1	8% → 46%	21 → 119			
		Neutral	47% → 56%	120 → 145			
		+1 → +99	57% → 95%	146 → 244			
		+100	96% → 100%	245 → 255			
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
4	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
5	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
6/7	Reserved	/	/	/	/	/	

## CCT 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0% → 100%	0% → 100%	0 → 65535	0	Fade	
3/4	CCT	1800K → 20000K	0% → 100%	0 → 65535	0	Fade	
5/6	G/M	Neutral	0% → 7%	0 → 5000	0	Fade & Step	G/M=Duv*10 <sup>4</sup>
		-100	8% → 14%	5001 → 10000			
		-99 → -1	15% → 45%	10001 → 29999			
		Neutral	46% → 60%	30000 → 40000			
		+1 → +99	61% → 91%	40001 → 59999			
		+100	92% → 100%	60000 → 65535			
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
7	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
8	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
9-12	Reserved	/	/	/	/	/	

## HSI 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	Hue	0 → 360	0% → 100%	0 → 255	0	Fade	
3	Saturation	0 → 100	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
4	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
5	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
6/7	Reserved	/	/	/	/	/	

## HSI 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0% → 100%	0% → 100%	0 → 65535	0	Fade	
3/4	Hue	0 → 360	0% → 100%	0 → 65535	0	Fade	
5/6	Saturation	0 → 100	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
7	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
8	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
9-12	Reserved	/	/	/	/	/	

## RGBW 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	Red	0 → 255	0% → 100%	0 → 255	0	Fade	
3	Green	0 → 255	0% → 100%	0 → 255	0	Fade	
4	Blue	0 → 255	0% → 100%	0 → 255	0	Fade	
5	White	0 → 255	0% → 100%	0 → 255	0	Fade	
6	CCT	1800K → 20000K	0% → 100%	0 → 255	0	Fade	For calibrating RGBW White Point
7	G/M	-100 → +100	0% → 100%	0 → 255	0	Fade	For calibrating RGBW White Point
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
8	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
9	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
10/11	Reserved	/	/	/	/	/	

## RGBW 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0% → 100%	0% → 100%	0 → 65535	0	Fade	
3/4	Red	0 → 65535	0% → 100%	0 → 65535	0	Fade	
5/6	Green	0 → 65535	0% → 100%	0 → 65535	0	Fade	
7/8	Blue	0 → 65535	0% → 100%	0 → 65535	0	Fade	
9/10	White	0 → 65535	0% → 100%	0 → 65535	0	Fade	
11/12	CCT	1800K → 20000K	0% → 100%	0 → 65535	0	Fade	For calibrating RGBW White Point
13/14	G/M	-100 → +100	0% → 100%	0 → 65535	0	Fade	For calibrating RGBW White Point
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
15	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
16	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
17-20	Reserved	/	/	/	/	/	

## RGBACL 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	Red	0 → 255	0% → 100%	0 → 255	0	Fade	
3	Green	0 → 255	0% → 100%	0 → 255	0	Fade	
4	Blue	0 → 255	0% → 100%	0 → 255	0	Fade	
5	Amber	0 → 255	0% → 100%	0 → 255	0	Fade	
6	Cyan	0 → 255	0% → 100%	0 → 255	0	Fade	
7	Lime	0 → 255	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
8	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
9	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
10/11	Reserved	/	/	/	/	/	



## RGBACL 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0% → 100%	0% → 100%	0 → 65535	0	Fade	
3/4	Red	0 → 65535	0% → 100%	0 → 65535	0	Fade	
5/6	Green	0 → 65535	0% → 100%	0 → 65535	0	Fade	
7/8	Blue	0 → 65535	0% → 100%	0 → 65535	0	Fade	
9/10	Amber	0 → 65535	0% → 100%	0 → 65535	0	Fade	
11/12	Cyan	0 → 65535	0% → 100%	0 → 65535	0	Fade	
13/14	Lime	0 → 65535	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
15	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
16	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
17-20	Reserved	/	/	/	/	/	

## XY Coordinates 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	X Coordinate	0.0000 → 0.8000	0% → 100%	0 → 255	0	Fade	
3	Y Coordinate	0.0000 → 0.8000	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
4	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
5	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
6/7	Reserved	/	/	/	/	/	

## XY Coordinates 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0% → 100%	0% → 100%	0 → 65535	0	Fade	
3/4	X Coordinate	0.0000 → 0.8000	0% → 100%	0 → 65535	0	Fade	
5/6	Y Coordinate	0.0000 → 0.8000	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
7	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
8	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
9-12	Reserved	/	/	/	/	/	

## RGB(No Dimmer) 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Red	0 → 255	0% → 100%	0 → 255	0	Fade	
2	Green	0 → 255	0% → 100%	0 → 255	0	Fade	
3	Blue	0 → 255	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
4	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
5	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
6/7	Reserved	/	/	/	/	/	

## RGB(No Dimmer) 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Red	0 → 65535	0% → 100%	0 → 65535	0	Fade	
3/4	Green	0 → 65535	0% → 100%	0 → 65535	0	Fade	
5/6	Blue	0 → 65535	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be Reduce.							
7	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
8	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
9-12	Reserved	/	/	/	/	/	

## Ultimate DMX 8bit - CCT Mode

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 0 → 31
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		RGBACL Mode	38% → 49%	96 → 127			
		XY Coordinates	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
		Reserved	75% → 100%	192 → 255			
3	Param. #1 CCT	1800K → 20000K	0% → 100%	0 → 255	0	Fade	
4	Param. #2 G/M	Neutral	0% → 3%	0 → 10	0	Fade & Step	
		-100	4% → 7%	11 → 20			
		-99 → -1	8% → 46%	21 → 119			
		Neutral	47% → 56%	120 → 145			
		+1 → +99	57% → 95%	146 → 244			
		+100	96% → 100%	245 → 255			
5-8	Param. #3-6 N/A	/	/	/	/	/	
9	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
10-15	Reserved	/	/	/	/	/	

## Ultimate DMX 8bit - HSI Mode

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 32 → 63
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		RGBACL Mode	38% → 49%	96 → 127			
		XY Coordinates	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
		Reserved	75% → 100%	192 → 255			
3	Param. #1 Hue	0 → 360	0% → 100%	0 → 255	0	Fade	
4	Param. #2 Saturation	0 → 100	0% → 100%	0 → 255	0	Fade	
5-8	Param. #3-6 N/A	/	/	/	/	/	
9	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
10-15	Reserved	/	/	/	/	/	

## Ultimate DMX 8bit - RGBW Mode

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 64 → 95
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		RGBACL Mode	38% → 49%	96 → 127			
		XY Coordinates	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
	Reserved	75% → 100%	192 → 255				
3	Param. #1 Red	0 → 255	0% → 100%	0 → 255	0	Fade	
4	Param. #2 Green	0 → 255	0% → 100%	0 → 255	0	Fade	
5	Param. #3 Blue	0 → 255	0% → 100%	0 → 255	0	Fade	
6	Param. #4 White	0 → 255	0% → 100%	0 → 255	0	Fade	
7	Param. #5 CCT	1800K → 20000K	0% → 100%	0 → 255	0	Fade	For calibrating RGBW White Point
8	Param. #6 G/M	-100 → +100	0% → 100%	0 → 255	0	Fade	For calibrating RGBW White Point
9	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
10-15	Reserved	/	/	/	/	/	



## Ultimate DMX 8bit - RGBACL Mode

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 96 → 127
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		RGBACL Mode	38% → 49%	96 → 127			
		XY Coordinates	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
		Reserved	75% → 100%	192 → 255			
3	Param. #1 Red	0 → 255	0% → 100%	0 → 255	0	Fade	
4	Param. #2 Green	0 → 255	0% → 100%	0 → 255	0	Fade	
5	Param. #3 Blue	0 → 255	0% → 100%	0 → 255	0	Fade	
6	Param. #4 Amber	0 → 255	0% → 100%	0 → 255	0	Fade	
7	Param. #5 Cyan	0 → 255	0% → 100%	0 → 255	0	Fade	
8	Param. #6 Lime	0 → 255	0% → 100%	0 → 255	0	Fade	
9	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
10-15	Reserved	/	/	/	/	/	

## Ultimate DMX 8bit - XY Coordinates

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 128 → 159
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		RGBACL Mode	38% → 49%	96 → 127			
		XY Coordinates	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
	Reserved	75% → 100%	192 → 255				
3	Param. #1 X Coordinate	0.0000 → 0.8000	0% → 100%	0 → 255	0	Fade	
4	Param. #2 Y Coordinate	0.0000 → 0.8000	0% → 100%	0 → 255	0	Fade	
5-8	Param. #3-6 N/A	/	/	/	/	/	
9	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
10-15	Reserved	/	/	/	/	/	

## Ultimate DMX 8bit - Effect Mode

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 160 → 191
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		RGBACL Mode	38% → 49%	96 → 127			
		XY Coordinates	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
		Reserved	75% → 100%	192 → 255			
3	Param. #1 Effect Mode	Hue Loop	0% → 4%	0 → 12	0	Step	
		CCT Loop	5% → 9%	13 → 25			
		Int Loop	10% → 14%	26 → 38			
		Flash	15% → 19%	39 → 51			
		Pulse	20% → 24%	52 → 64			
		Storm	25% → 30%	65 → 77			
		Police Car	31% → 35%	78 → 90			
		TV	36% → 40%	91 → 103			
		Paparazzi	41% → 45%	104 → 116			
		Candle/Fire	46% → 50%	117 → 129			
		Disco	51% → 55%	130 → 142			
		Bad Bulb	56% → 60%	143 → 155			
		Firework	61% → 65%	156 → 168			
		Explosion	66% → 70%	169 → 181			
		Welding	71% → 75%	182 → 194			
Reserved	76% → 100%	195 → 255					
4	Param. #2	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
5	Param. #3	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
6	Param. #4	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
7	Param. #5	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
8	Param. #6	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
9	Param. #7	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
10	Param. #8	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
11	Param. #9	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
12	Param. #10	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
13	Param. #11	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
14	Param. #12	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
15	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			

## DMX Effect Charts

### HUE Loop (0 ≤ CH3 Value ≤ 12)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Hue1	0 → 360	0% → 100%	0 → 255
CH5/Param. #3	Hue2	0 → 360	0% → 100%	0 → 255
CH6/Param. #4	Saturation	0 → 100	0% → 100%	0 → 255
CH7/Param. #5	Speed	2s → 30s	0% → 100%	0 → 255
CH8/Param. #6	Cycle	One Way	0% → 32%	0 → 85
		Two Way	33% → 66%	86 → 170
		Reverse	67% → 100%	171 → 255
CH9/Param. #7	Add-on	Off	0% → 24%	0 → 63
		Flash	25% → 49%	64 → 127
		Random Flash	50% → 74%	128 → 191
		Pulse	75% → 100%	192 → 255
CH10/Param. #8	N/A(Off)	/	/	/
	Intervals(Flash)	0.1s → 10.0s	0% → 100%	0 → 255
	Speed(Random Flash)	1 → 100	0% → 100%	0 → 255
	Pulses/Min(Pulse)	1 → 240	0% → 100%	0 → 255
CH11/Param. #9	N/A(Off)	/	/	/
	Ratio(Flash)	0% → 100%	0% → 100%	0 → 255
	N/A(Random Flash)	/	/	/
	N/A(Pulse)	/	/	/
CH12-14/Param. #10-12	N/A	/	/	/

## CCT Loop (13 ≤ CH3 Value ≤ 25)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	CCT1	1800K → 20000K	0% → 100%	0 → 255
CH5/Param. #3	CCT2	1800K → 20000K	0% → 100%	0 → 255
CH6/Param. #4	G/M	-100 → +100	0% → 100%	0 → 255
CH7/Param. #5	Speed	2s → 30s	0% → 100%	0 → 255
CH8/Param. #6	Cycle	One Way	0% → 32%	0 → 85
		Two Way	33% → 66%	86 → 170
		Reverse	67% → 100%	171 → 255
CH9/Param. #7	Add-on	Off	0% → 24%	0 → 63
		Flash	25% → 49%	64 → 127
		Random Flash	50% → 74%	128 → 191
		Pulse	75% → 100%	192 → 255
CH10/Param. #8	N/A(Off)	/	/	/
	Intervals(Flash)	0.1s → 10.0s	0% → 100%	0 → 255
	Speed(Random Flash)	1 → 100	0% → 100%	0 → 255
	Pulses/Min(Pulse)	1 → 240	0% → 100%	0 → 255
CH11/Param. #9	N/A(Off)	/	/	/
	Ratio(Flash)	0% → 100%	0% → 100%	0 → 255
	N/A(Random Flash)	/	/	/
	N/A(Pulse)	/	/	/
CH12-14/Param. #10-12	N/A	/	/	/

## Int Loop (26 ≤ CH3 Value ≤ 38)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Dim Low	0% → 100%	0% → 100%	0 → 255
CH5/Param. #3	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH6/Param. #4	CCT(CCT Mode)	1800K → 20000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH7/Param. #5	G/M(CCT Mode)	-100 → +100	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH8/Param. #6	Speed	2s → 30s	0% → 100%	0 → 255
CH9/Param. #7	Cycle	One Way	0% → 32%	0 → 85
		Two Way	33% → 66%	86 → 170
		Reverse	67% → 100%	171 → 255
CH10/Param. #8	Add-on	Off	0% → 24%	0 → 63
		Flash	25% → 49%	64 → 127
		Random Flash	50% → 74%	128 → 191
		Pulse	75% → 100%	192 → 255
CH11/Param. #9	N/A(Off)	/	/	/
	Intervals(Flash)	0.1s → 10.0s	0% → 100%	0 → 255
	Speed(Random Flash)	1 → 100	0% → 100%	0 → 255
	Pulses/Min(Pulse)	1 → 240	0% → 100%	0 → 255
CH12/Param. #10	N/A(Off)	/	/	/
	Ratio(Flash)	0% → 100%	0% → 100%	0 → 255
	N/A(Random Flash)	/	/	/
	N/A(Pulse)	/	/	/
CH13-14/Param. #11-12	N/A	/	/	/

## Flash ( $39 \leq \text{CH3 Value} \leq 51$ )

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH5/Param. #3	CCT(CCT Mode)	1800K → 20000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH6/Param. #4	G/M(CCT Mode)	-100 → +100	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH7/Param. #5	Intervals	0.1s → 10.0s	0% → 100%	0 → 255
CH8/Param. #6	Flash Ratio	0% → 100%	0% → 100%	0 → 255
CH9/Param. #7	Pause	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
CH10-14/Param. #8-12	N/A	/	/	/



### Pulse ( $52 \leq \text{CH3 Value} \leq 64$ )

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH5/Param. #3	CCT(CCT Mode)	1800K → 20000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH6/Param. #4	G/M(CCT Mode)	-100 → +100	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH7/Param. #5	Pulses/Min	1 → 240	0% → 100%	0 → 255
CH8/Param. #6	N/A	/	/	/
CH9-14/Param. #7-12	N/A	/	/	/

## Storm ( $65 \leq \text{CH3 Value} \leq 77$ )

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	CCT	1800K → 20000K	0% → 100%	0 → 255
CH5/Param. #3	Flash Times High	1 → 10	0% → 100%	0 → 255
CH6/Param. #4	Flash Times Low	1 → 10	0% → 100%	0 → 255
CH7/Param. #5	Trigger	Auto	0% → 49%	0 → 127
		Manual	50% → 100%	128 → 255
CH8/Param. #6	Interval High(Auto)	1s → 60s	0% → 100%	0 → 255
	Trigger(Manual)	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
CH9/Param. #7	Interval Low(Auto)	1s → 60s	0% → 100%	0 → 255
	N/A(Manual)	/	/	/
CH10/Param. #8	Pause(Auto)	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
	N/A(Manual)	/	/	/
CH11-14/Param. #9-12	N/A	/	/	/

## Police Car (78 ≤ CH3 Value ≤ 90)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	Blue	0% → 24%	0 → 63
		Red & Blue	25% → 49%	64 → 127
		Blue & White	50% → 74%	128 → 191
		Red & Blue & White	75% → 100%	192 → 255
CH5/Param. #3	Mode	Single	0% → 24%	0 → 63
		Double	25% → 49%	64 → 127
		Triple	50% → 74%	128 → 191
		Quad	75% → 100%	192 → 255
CH6/Param. #4	Speed	1 → 100	0% → 100%	0 → 255
CH7-8/Param. #5-6	N/A	/	/	/
CH9-14/Param. #7-12	N/A	/	/	/

## TV (91 ≤ CH3 Value ≤ 103)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Dim Low	0% → 100%	0% → 100%	0 → 255
CH5/Param. #3	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH6/Param. #4	CCT(CCT Mode)	1800K → 20000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH7/Param. #5	G/M(CCT Mode)	-100 → +100	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH8/Param. #6	CCT Shift(CCT Mode)	0K → 3000K	0% → 100%	0 → 255
	Hue Shift(HSI Mode)	0 → 180	0% → 100%	0 → 255
CH9/Param. #7	Speed	1 → 100	0% → 100%	0 → 255
CH10-14/Param. #8-12	N/A	/	/	/

## Paparazzi (104 ≤ CH3 Value ≤ 116)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	CCT	1800K → 20000K	0% → 100%	0 → 255
CH5/Param. #3	G/M	-100 → +100	0% → 100%	0 → 255
CH6/Param. #4	Speed	1 → 100	0% → 100%	0 → 255
CH7-8/Param. #5-6	N/A	/	/	/
CH9-14/Param. #7-12	N/A	/	/	/

## Candle/Fire (117 ≤ CH3 Value ≤ 129)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Dim Low	0% → 100%	0% → 100%	0 → 255
CH5/Param. #3	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH6/Param. #4	CCT(CCT Mode)	1800K → 20000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH7/Param. #5	G/M(CCT Mode)	-100 → +100	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH8/Param. #6	CCT Shift(CCT Mode)	0K → 3000K	0% → 100%	0 → 255
	Hue Shift(HSI Mode)	0 → 180	0% → 100%	0 → 255
CH9/Param. #7	Speed	1 → 100	0% → 100%	0 → 255
CH10/Param. #8	Flicker	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
CH11-14/Param. #9-12	N/A	/	/	/

## Disco (130 ≤ CH3 Value ≤ 142)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	Default	0% → 49%	0 → 127
		Manual	50% → 100%	128 → 255
CH5/Param. #3	Amount(Default)	3	0% → 12%	0 → 31
		6	13% → 24%	32 → 63
		9	25% → 37%	64 → 95
		12	38% → 49%	96 → 127
		15	50% → 62%	128 → 159
		18	63% → 74%	160 → 191
		21	75% → 87%	192 → 223
		24	88% → 100%	224 → 255
	Amount(Manual)	1	0% → 16%	0 → 42
		2	17% → 32%	43 → 85
		3	33% → 49%	86 → 127
		4	50% → 66%	128 → 170
		5	67% → 83%	171 → 212
		6	84% → 100%	213 → 255
CH6/Param. #4	Speed	1 → 100	0% → 100%	0 → 255
CH7/Param. #5	Saturation	0 → 100	0% → 100%	0 → 255
CH8/Param. #6	N/A(Default)	/	/	/
	C1 Hue(Manual)	0 → 360	0% → 100%	0 → 255
CH9/Param. #7	N/A(Default)	/	/	/
	C2 Hue(Manual)	0 → 360	0% → 100%	0 → 255
CH10/Param. #8	N/A(Default)	/	/	/
	C3 Hue(Manual)	0 → 360	0% → 100%	0 → 255
CH11/Param. #9	N/A(Default)	/	/	/
	C4 Hue(Manual)	0 → 360	0% → 100%	0 → 255
CH12/Param. #10	N/A(Default)	/	/	/
	C5 Hue(Manual)	0 → 360	0% → 100%	0 → 255

Channel	Attribute	Function	% Value	DMX Value
CH13/Param. #11	N/A(Default)	/	/	/
	C6 Hue(Manual)	0 → 360	0% → 100%	0 → 255
CH14/Param. #12	N/A	/	/	/



## Bad Bulb ( $143 \leq \text{CH3 Value} \leq 155$ )

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH5/Param. #3	CCT(CCT Mode)	1800K → 20000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH6/Param. #4	G/M(CCT Mode)	-100 → +100	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH7/Param. #5	Intensity	1 → 100	0% → 100%	0 → 255
CH8/Param. #6	Speed	1 → 100	0% → 100%	0 → 255
CH9-14/Param. #7-12	N/A	/	/	/

## Firework (156 ≤ CH3 Value ≤ 168)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	Default	0% → 32%	0 → 85
		Manual	33% → 66%	86 → 170
		CCT Mode	67% → 100%	171 → 255
CH5/Param. #3	Amount(Default)	3	0% → 12%	0 → 31
		6	13% → 24%	32 → 63
		9	25% → 37%	64 → 95
		12	38% → 49%	96 → 127
		15	50% → 62%	128 → 159
		18	63% → 74%	160 → 191
		21	75% → 87%	192 → 223
		24	88% → 100%	224 → 255
	Amount(Manual)	1	0% → 16%	0 → 42
		2	17% → 32%	43 → 85
		3	33% → 49%	86 → 127
		4	50% → 66%	128 → 170
		5	67% → 83%	171 → 212
		6	84% → 100%	213 → 255
	CCT(CCT Mode)	1800K → 20000K	0% → 100%	0 → 255
CH6/Param. #4	Saturation (Default/Manual)	0 → 100	0% → 100%	0 → 255
	G/M(CCT Mode)	-100 → +100	0% → 100%	0 → 255
CH7/Param. #5	Speed	1 → 100	0% → 100%	0 → 255
CH8/Param. #6	Decay	1 → 100	0% → 100%	0 → 255
CH9/Param. #7	N/A(Default)	/	/	/
	C1 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	CCT Shift(CCT Mode)	0K → 3000K	0% → 100%	0 → 255

Channel	Attribute	Function	% Value	DMX Value
CH10/Param. #8	N/A(Default)	/	/	/
	C2 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	N/A(CCT Mode)	/	/	/
CH11/Param. #9	N/A(Default)	/	/	/
	C3 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	N/A(CCT Mode)	/	/	/
CH12/Param. #10	N/A(Default)	/	/	/
	C4 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	N/A(CCT Mode)	/	/	/
CH13/Param. #11	N/A(Default)	/	/	/
	C5 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	N/A(CCT Mode)	/	/	/
CH14/Param. #12	N/A(Default)	/	/	/
	C6 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	N/A(CCT Mode)	/	/	/

## Explosion (169 ≤ CH3 Value ≤ 181)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH5/Param. #3	CCT(CCT Mode)	1800K → 20000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH6/Param. #4	G/M(CCT Mode)	-100 → +100	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH7/Param. #5	Decay	1 → 100	0% → 100%	0 → 255
CH8/Param. #6	Trigger	Auto	0% → 49%	0 → 127
		Manual	50% → 100%	128 → 255
CH9/Param. #7	Speed(Auto)	1 → 100	0% → 100%	0 → 255
	Trigger(Manual)	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
CH10-14/Param. #8-12	N/A	/	/	/

## Welding (182 ≤ CH3 Value ≤ 194)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Dim Low	0% → 100%	0% → 100%	0 → 255
CH5/Param. #3	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH6/Param. #4	CCT(CCT Mode)	1800K → 20000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH7/Param. #5	G/M(CCT Mode)	-100 → +100	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH8/Param. #6	Speed	1 → 100	0% → 100%	0 → 255
CH9/Param. #7	Pause	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
CH10-14/Param. #8-12	N/A	/	/	/