

*Manufacture Name:* Film Gear Int. Ltd

*Manufacture ID:* 0x4142

*Product Name:* Helios V2 RGB 1100C

*Model ID:* 0x1303

*Version:* V0.60 or above

*DMX Mode:*

- Mode 1 : 8-bit functional setting of CCT and RGBW
- Mode 2 : 8-bit functional setting of CCT
- Mode 3 : 8-bit functional setting of CCT and HSI
- Mode 4 : 8-bit functional setting of RGBW
- Mode 5 : 8-bit functional setting of H.S.I.
- Mode 6 : 16-bit functional setting of CCT and RGBW
- Mode 7 : 16-bit functional setting of CCT
- Mode 8 : 16-bit functional setting of CCT and H.S.I.
- Mode 9 : 16-bit functional setting of RGBW
- Mode 10 : 16-bit functional setting of H.S.I.
- Mode 11 : Coarse/Fine Tuning of CCT and RGBW
- Mode 12 : Coarse/Fine Tuning of CCT
- Mode 13 : Coarse/Fine Tuning of CCT and H.S.I.
- Mode 14 : Coarse/Fine Tuning of RGBW
- Mode 15 : Coarse/Fine Tuning of H.S.I.
- Mode 16 : GEL, 8 bit resolution per function, base channels
- Mode 17 : GEL, 16 bit resolution per function, base channels
- Mode 18 : x,y Coordinates, 8 bit resolution per function
- Mode 19 : x,y Coordinates 16 bit resolution per function
- Mode 20 : Effects, 8 bit resolution per function
- Mode 21 : Effects, 16 bit resolution per function
- Mode 22 : 8-bit functional setting of Wall Control CCT/HSI
- Mode 23 : 8-bit functional setting of Individual Control CCT/HSI
- Mode 24 : 8-bit functional setting of Professional Individual Control CCT/RGBW
- Mode 25 : 16-bit functional setting of Professional Individual Control CCT/RGBW
- Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function
- Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function

## Filmgear LED Lights DMX Chart for 6 RND Pixels

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

### Mode 1 : 8-bit functional setting of CCT and RGBW

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2700K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	Adjust Red Color intensity
6	0 – 255	0 – 100	Adjust Green Color intensity
7	0 – 255	0 – 100	Adjust Blue Color intensity
8	0 – 255	0 – 100	Adjust White Color intensity
9	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
10 ~ 12			Reserved for future use

## Filmgear LED Lights DMX Chart for 6 RND Pixels

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

### Mode 2 : 8-bit functional setting of CCT

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2700K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
5 ~ 7			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 3 : 8-bit functional setting of CCT and HSI**

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2700K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	Adjust HUE (0~359)
6	0 – 255	0 – 100	Adjust Saturation (0~100%)
7	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
8 ~ 10			Reserved for future use

## Filmgear LED Lights DMX Chart for 6 RND Pixels

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

### Mode 4 : 8-bit functional setting of RGBW

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Adjust Red Color intensity
3	0 – 255	0 – 100	Adjust Green Color intensity
4	0 – 255	0 – 100	Adjust Blue Color intensity
5	0 – 255	0 – 100	Adjust White Color intensity
6	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
7 ~ 9			Reserved for future use

## Filmgear LED Lights DMX Chart for 6 RND Pixels

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

### Mode 5 : 8-bit functional setting of H.S.I.

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Adjust HUE (0~359)
3	0 – 255	0 – 100	Adjust Saturation (0~100%)
4	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
5 ~ 7			Reserved for future use

## Filmgear LED Lights DMX Chart for 6 RND Pixels

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

### Mode 6 : 16-bit functional setting of CCT and RGBW

DMX Channel	Value	Percent	Function
1 (Hi)			Master Intensity
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (hi)			Color Temp. (2700K~10000K)
4 (lo)	0 – 65535	0 – 100	
Green / Magenta Adjustment			
5 (hi) 6 (lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
7 (hi)			Color Change Coefficient White --> Color
8 (lo)	0 – 65535	0 – 100	
9 (hi)			Adjust Red Color intensity
10 (lo)	0 – 65535	0 – 100	
11 (hi)			Adjust Green Color intensity
12 (lo)	0 – 65535	0 – 100	
13 (hi)			Adjust Blue Color intensity
14 (lo)	0 – 65535	0 – 100	
15 (hi)			Adjust White Color intensity
16 (lo)	0 – 65535	0 – 100	
Fan control			
17	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use
18~20			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 7 : 16-bit functional setting of CCT**

DMX Channel	Value	Percent	Function
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (hi)	Color Temp. (2700K~10000K)		
4 (lo)	0 – 65535	0 – 100	
Green / Magenta Adjustment			
5 (hi) 6 (lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
Fan control			
7	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use
8~10			Reserved for future use



## Filmgear LED Lights DMX Chart for 6 RND Pixels

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

### Mode 8 : 16-bit functional setting of CCT and H.S.I.

DMX Channel	Value	Percent	Function
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (hi)	0 – 65535	0 – 100	Color Temp. (2700K~10000K)
4 (lo)			
Green / Magenta Adjustment			
5 (hi) 6 (lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
7 (hi)	0 – 65535	0 – 100	Color Change Coefficient
8 (lo)			White --> Color
9 (hi)	0 – 65535	0 – 100	Adjust HUE (0~359)
10 (lo)			
11 (hi)	0 – 65535	0 – 100	Adjust Saturation (0~100%)
12 (lo)			
Fan control			
13	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use
14~16			Reserved for future use

## Filmgear LED Lights DMX Chart for 6 RND Pixels

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

### Mode 9 : 16-bit functional setting of RGBW

DMX Channel	Value	Percent	Function
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (hi)	0 – 65535	0 – 100	Adjust Red Color intensity
4 (lo)			
5 (hi)	0 – 65535	0 – 100	Adjust Green Color intensity
6 (lo)			
7 (hi)	0 – 65535	0 – 100	Adjust Blue Color intensity
8 (lo)			
9 (hi)	0 – 65535	0 – 100	Adjust White Color intensity
10 (lo)			
11	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
12~14			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 10 : 16-bit functional setting of H.S.I.**

DMX Channel	Value	Percent	Function
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (hi)	Adjust HUE (0~359)		
4 (lo)	0 – 65535	0 – 100	
5 (hi)	Adjust Saturation (0~100%)		
6 (lo)	0 – 65535	0 – 100	
Fan control			
7	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use
8~10			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 11 : Coarse/Fine Tuning of CCT and RGBW**

DMX Channel	Value	Percent	Function
Master Intensity			
1	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Fine Tune intensity (10%)
Adjust Color Temp.			
3	0 – 255	0 – 100	Color Temp. (2700K~10000K)
4	0 – 255	0 – 100	Fine Tune Color Temp.
Green / Magenta Adjustment			
5	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
6	0 – 255	0 – 100	Color Change Coefficient White --> Color
Adjust Red			
7	0 – 255	0 – 100	Adjust Red (0~100%)
8	0 – 255	0 – 100	Fine Tune Red (10%)
Adjust Green			
9	0 – 255	0 – 100	Adjust Green (0~100%)
10	0 – 255	0 – 100	Fine Tune Green (10%)
Adjust Blue			
11	0 – 255	0 – 100	Adjust Blue (0~100%)
12	0 – 255	0 – 100	Fine Tune Blue (10%)
Adjust White			
13	0 – 255	0 – 100	Adjust White (0~100%)
14	0 – 255	0 – 100	Fine Tune White (10%)

15	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use
16 ~ 18			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 12 : Coarse/Fine Tuning of CCT**

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Fine Tune intensity (10%)
3	Adjust Color Temp.		
	0 – 255	0 – 100	Color Temp. (2700K~10000K)
4	0 – 255	0 – 100	Fine Tune Color Temp.
5	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
6	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
7 ~ 9			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 13 : Coarse/Fine Tuning of CCT and H.S.I**

DMX Channel	Value	Percent	Function
Master Intensity			
1	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Fine Tune intensity (10%)
Adjust Color Temp.			
3	0 – 255	0 – 100	Color Temp. (2700K~10000K)
4	0 – 255	0 – 100	Fine Tune Color Temp.
Green / Magenta Adjustment			
5	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
6	0 – 255	0 – 100	Color Change Coefficient White --> Color
Adjust HUE			
7	0 – 255	0 – 100	Adjust HUE (0~359)
8	0 – 255	0 – 100	Fine Tune HUE (10%)
Adjust Saturation			
9	0 – 255	0 – 100	Adjust Saturation (0~100%)
10	0 – 255	0 – 100	Fine Tune Saturation (10%)
Fan control			
11	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use
12 ~ 14			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 14 : Coarse/Fine Tuning of RGBW**

DMX Channel	Value	Percent	Function
Master Intensity			
1	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Fine Tune intensity (10%)
Adjust Red			
3	0 – 255	0 – 100	Adjust Red (0~100%)
4	0 – 255	0 – 100	Fine Tune Red (10%)
Adjust Green			
5	0 – 255	0 – 100	Adjust Green (0~100%)
6	0 – 255	0 – 100	Fine Tune Green (10%)
Adjust Blue			
7	0 – 255	0 – 100	Adjust Blue (0~100%)
8	0 – 255	0 – 100	Fine Tune Blue (10%)
Adjust White			
9	0 – 255	0 – 100	Adjust White (0~100%)
10	0 – 255	0 – 100	Fine Tune White (10%)
Fan control			
11	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use
12 ~ 14			Reserved for future use



## Filmgear LED Lights DMX Chart for 6 RND Pixels

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

### Mode 15 : Coarse/Fine Tuning of H.S.I.

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Fine Tune intensity (10%)
3	Adjust HUE		
	0 – 255	0 – 100	Adjust HUE (0~359)
4	0 – 255	0 – 100	Fine Tune HUE (10%)
5	Adjust Saturation		
	0 – 255	0 – 100	Adjust Saturation (0~100%)
6	0 – 255	0 – 100	Fine Tune Saturation (10%)
7	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
8 ~ 10			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 16 : GEL, 8 bit resolution per function, base channels**

DMX Channel	Value	Percent	Function
1	0 – 255	0 – 100	Master Intensity
2	Gel 1, CCT Selection		
	0 – 127	0 – 50	3.200 K
	128 – 255	51 – 100	5.600 K
3	Gel 1: Filter Class		
	0 – 12	0 – 4	CTB under Color Correction
	13 – 25	5 – 9	CTO under Color Correction
	26 – 38	10 – 14	CTS under Color Correction
	39 – 50	15 – 19	+/- Green under Color Correction
	51 – 61	20 – 24	Misc under Color Correction
	62 – 127	25 – 49	Reserved
	128 – 140	50 – 54	Red under Color Filter
	141 – 152	55 – 59	Orange under Color Filter
	153 – 165	60 – 64	Yellow under Color Filter
	166 – 178	65 – 69	Green under Color Filter
	179 – 191	70 – 74	Blue under Color Filter
	192 – 203	75 – 79	Purple under Color Filter
204 – 255	80 – 100	Reserved	
4	0 – 255	0 – 100	Gel 1: Filter Code

Mode 16 : GEL, 8 bit resolution per function, base channels

5	0 – 255	0 – 100	Cross Fade from Gel 1 to Gel2
6	Gel 2, CCT Selection		
	0 – 127	0 – 50	3.200 K
	128 – 255	51 – 100	5.600 K
7	Gel 2: Filter Class		
	0 – 12	0 – 4	CTB under Color Correction
	13 – 25	5 – 9	CTO under Color Correction
	26 – 38	10 – 14	CTS under Color Correction
	39 – 50	15 – 19	+/- Green under Color Correction
	51 – 61	20 – 24	Misc under Color Correction
	62 – 127	25 – 49	Reserved
	128 – 140	50 – 54	Red under Color Filter
	141 – 152	55 – 59	Orange under Color Filter
	153 – 165	60 – 64	Yellow under Color Filter
	166 – 178	65 – 69	Green under Color Filter
	179 – 191	70 – 74	Blue under Color Filter
	192 – 203	75 – 79	Purple under Color Filter
	204 – 255	80 – 100	Reserved
8	0 – 255	0 – 100	Gel 2: Filter Code
9	Transition Type		
	0~41	0~16	Direct
	42~83	17~32	Through White Point
	84~125	33~49	Through Black Point
	126~167	50~65	Dissolve (future development plan)
	168~209	66~82	Over White Point (future development plan)
210~255	83~100	Under White point (future development plan)	
10	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
11~13	0 – 255	0 – 100	Reserved for future use

**Mode 16 : GEL, 8 bit resolution per function, base channels**

Filter code for CTB under Color Correction

DMX Channel	Value	Percentage	Gel Name	Gel Number
4 (for Gel 1) (Preset CH3: 0 ~ 12	0 - 4	1	RCC3220	CTB Double
	5 - 7	2	RCC3202	CTB Full
	8 - 10	3	RCC3203	CTB 3/4
	11 - 12	4	RCC3204	CTB 1/2
	13 - 15	5	RCC3208	CTB 1/4
8 (for Gel 2) (Preset CH7: 0 ~ 12	16 - 17	6	RCC3216	CTB 1/8
	18 - 20	7	LCC0283	CTB 1-1/2
	21 - 22	8	LCC0201	CTB Full
	23 - 25	9	LCC0281	CTB 3/4
	26 - 27	10	LCC0202	CTB 1/2
	28 - 30	11	LCC0203	CTB 1/4
	31 - 33	12	LCC0218	CTB 1/8
	34 - 255	13 - 100		Reserved for future use

Filter code for CTO under Color Correction

DMX Channel	Value	Percentage	Gel Name	Gel Number
4 (for Gel 1) (Preset CH3: 13 ~ 25	0 - 4	1	RCC3407	CTO Full
	5 - 7	2	RCC3411	CTO 3/4
	8 - 10	3	RCC3408	CTO 1/2
	11 - 12	4	RCC3409	CTO 1/4
	13 - 15	5	RCC3410	CTO 1/8
8 (for Gel 2) (Preset CH7: 13 ~ 25	16 - 17	6	LCC0286	CTO 1-1/2
	18 - 20	7	LCC0208	CTO Full+6ND
	21 - 22	8	LCC0207	CTO Full+3ND
	23 - 25	9	LCC0206	CTO 1/4
	26 - 27	10	LCC0287	CTO Double
	28 - 30	11	LCC0204	CTO Full
	31 - 33	12	LCC0285	CTO 3/4
	34 - 35	13	LCC0205	CTO 1/2
	36 - 38	14	LCC0223	CTO 1/8
	39 - 255	15 - 100		Reserved for future use

Filter code for CTS under Color Correction

DMX Channel	Value	Percentage	Gel Name	Gel Number
4 (for Gel 1) (Preset CH3: 26 ~ 38	0 - 4	1	RCC3441	CTS Full
	5 - 7	2	RCC3442	CTS 1/2
	8 - 10	3	RCC3443	CTS 1/4
	11 - 12	4	RCC3444	CTS 1/8
	13 - 15	5	LCC0441	CTS Full
8 (for Gel 2) (Preset CH7: 26 ~ 38	16 - 17	6	LCC0442	CTS 1/2
	18 - 20	7	LCC0443	CTS 1/4
	21 - 22	8	LCC0444	CTS 1/8
	23 - 255	9 - 100		Reserved for future use

**Mode 16 : GEL, 8 bit resolution per function, base channels**

Filter code for +/-Green under Color Correction

DMX Channel	Value	Percentage	Gel Name	Gel Number
4 (for Gel 1) (Preset CH3: 39 ~ 50	0 - 4	1	RCC3304	Plusgreen Full
	5 - 7	2	RCC3315	Plusgreen 1/2
	8 - 10	3	RCC3316	Plusgreen 1/4
	11 - 12	4	RCC3317	Plusgreen 1/8
	13 - 15	5	RCC3308	Minusgreen Full
8 (for Gel 2) (Preset CH7: 39 ~ 50	16 - 17	6	RCC3309	Minusgreen 3/4
	18 - 20	7	RCC3313	Minusgreen 1/2
	21 - 22	8	RCC3314	Minusgreen 1/4
	23 - 25	9	RCC3318	Minusgreen 1/8
	26 - 27	10	LCC0244	L.Plus Green
	28 - 30	11	LCC0245	Plus Green 1/2
	31 - 33	12	LCC0246	Plus Green 1/4
	34 - 35	13	LCC0278	Plus Green 1/8
	36 - 38	14	LCC0247	L. Minus Green
	39 - 40	15	LCC0248	Minus Green 1/2
	41 - 43	16	LCC0249	Minus Green 1/4
	44 - 45	17	LCC0279	Minus Green 1/8
	46 - 255	18 - 100		Reserved for future use

Filter code for Misc under Color Correction

DMX Channel	Value	Percentage	Gel Name	Gel Number
4 (for Gel 1) (Preset CH3: 51 ~ 61	0 - 4	1	RCC3102	Tough MT2
	5 - 7	2	RCC3106	Tough MTY
	8 - 10	3	RCC3107	Tough Y-1
	11 - 12	4	RCC3134	Tough MT
	13 - 15	5	RCC3150	Industrial Vapor
8 (for Gel 2) (Preset CH7: 51 ~ 61	16 - 17	6	RCC3152	Urban Vapor
	18 - 20	7	RCC3310	Fluoro Ffilter
	21 - 22	8	LCC0212	LCT Yellow (Y1)
	23 - 25	9	LCC0213	White Flame Green
	26 - 27	10	LCC0219	Fluo Green
	28 - 30	11	LCC0230	S.Corr LCT Yellow
	31 - 33	12	LCC0232	S Corr WF Green
	34 - 35	13	LCC0236	HMI (to Tungsten)
	36 - 38	14	LCC0237	CID (to Tungsten)
	39 - 40	15	LCC0238	CSI (to Tungsten)
	41 - 43	16	LCC0241	L.Fluro 5700K
	44 - 45	17	LCC0242	L.Fluro 4300K
	46 - 48	18	LCC0243	L.Fluro 3600K
49 - 255	19 - 100		Reserved for future use	

**Mode 16 : GEL, 8 bit resolution per function, base channels**

Filter code for Red

DMX Channel	Value	Percentage	Gel Name	Gel Number
4 (for Gel 1) (Preset CH3: 128 ~ 140	0 - 4	1	RCA4615	Red 15
	5 - 7	2	RCA4630	Red 30
	8 - 10	3	RCA4660	Red 60
	11 - 12	4	RCA4690	Red 90
	13 - 15	5	RCA4815	Pink 15
8 (for Gel 2) (Preset CH7: 128 ~ 140	16 - 17	6	RCA4830	Pink 30
	18 - 20	7	RCA4860	Pink 60
	21 - 22	8	RCA4890	Pink 90
	23 - 25	9	RCC3102	Tough MT2
	26 - 27	10	RCL0021	Golden Amber
	28 - 30	11	RCL0026	Light Red
	31 - 33	12	RCL0033	No Color Pink
	34 - 35	13	RCL0034	Flesh Pink
	36 - 38	14	RCL0041	Salmon
	39 - 40	15	RCL0042	Deep Salmon
	41 - 43	16	RCL0044	Middle Rose
	44 - 45	17	RCL0318	Mayan Sun
	46 - 48	18	RCL0321	Soft Golden Amber
	49 - 50	19	RCL0325	Henna Sky
	51 - 53	20	RCL0333	Blush Pink
	54 - 55	21	RSS2001	VS-Red
	56 - 58	22	L700748	Seedy Pink
	59 - 61	23	L700779	Bastard Pink
	62 - 63	24	L700781	Terry Red
	64 - 66	25	L700790	Moroccan Pink
	67 - 68	26	L700794	Pretty n Pink
	69 - 71	27	L700795	Magical Magenta
	72 - 73	28	LCF0002	Rose Pink
	74 - 76	29	LCF0008	Dark Salmon
	77 - 78	30	LCF0019	Fire
	79 - 81	31	LCF0024	Scarlet
	82 - 84	32	LCF0025	Sunset Red
	85 - 86	33	LCF0026	Bright Red
	87 - 89	34	LCF0035	Light Pink

**Mode 16 : GEL, 8 bit resolution per function, base channels**

90 – 91	35	LCF0036	Med. Pink
92 – 94	36	LCF0046	Dark Magenta
95 – 96	37	LCF0048	Rose Purple
97 – 99	38	LCF0106	Primary Red
100 – 101	39	LCF0107	Light Rose
102 – 104	40	LCF0108	English Rose
105 – 106	41	LCF0109	Light Salmon
107 – 109	42	LCF0110	Middle Rose
110 – 112	43	LCF0111	Dark Pink
113 – 114	44	LCF0113	Magenta
115 – 117	45	LCF0127	Smokey Pink
118 – 119	46	LCF0128	Bright Pink
120 – 122	47	LCF0148	Bright Rose
123 – 124	48	LCF0151	Gold Tint
125 – 127	49	LCF0153	Pale Salmon
128 – 129	50	LCF0154	Pale Rose
130 – 132	51	LCF0157	Pink
133 – 135	52	LCF0164	Flame Red
136 – 137	53	LCF0176	Loving Amber
138 – 140	54	LCF0182	Light Red
141 – 142	55	LCF0192	Flesh Pink
143 – 145	56	LCF0332	S.Rose Pink
146 – 147	57	LCS0705	Lily Frost
148 – 150	58	LCS0749	Hampshire Rose
151 – 152	59	LCS0750	Durham Frost
153 – 155	60	L700789	Blood Red
156 – 255	61 - 100		Reserved for future use

**Mode 16 : GEL, 8 bit resolution per function, base channels**

Filter code for Orange

DMX Channel	Value	Percentage	Gel Name	Gel Number
4 (for Gel 1) (Preset CH3: 141 ~ 152)	0 - 4	1	RCL0002	Bastard Amber
	5 - 7	2	RCL0008	Pale Gold
	8 - 10	3	RCL0016	Light Amber
	11 - 12	4	RCL0017	Light Flame
	13 - 15	5	RCL0018	Flame
8 (for Gel 2) (Preset CH7: 141 ~ 152)	16 - 17	6	RCL0023	Orange
	18 - 20	7	RCL0099	Chocolate
	21 - 22	8	RCL0302	Pale Bastard Amber
	23 - 25	9	RCL0316	Gallo Gold
	26 - 27	10	RSS2002	VS-Orange
	28 - 30	11	L600604	Full CT
	31 - 33	12	L600651	HI Sodium
	34 - 35	13	L600652	Urban Sodium
	36 - 38	14	L700747	Easy White
	39 - 40	15	L700773	Cardbox Amber
	41 - 43	16	L700776	Nectarine
	44 - 45	17	L700778	Millennium Gold
	46 - 48	18	LCF0004	Med.Bastard Amber
	49 - 50	19	LCF0009	Pale Amber Gold
	51 - 53	20	LCF0017	Surprise Peach
	54 - 55	21	LCF0021	Gold Amber
	56 - 58	22	LCF0022	Dark Amber
	59 - 61	23	LCF0105	Orange
	62 - 63	24	LCF0134	Golden Amber
	64 - 66	25	LCF0135	Deep Golden Amber
	67 - 68	26	LCF0147	Apricot
	69 - 71	27	LCF0152	Pale Gold
	72 - 73	28	LCF0156	Chocolate
	74 - 76	29	LCF0162	Bastard Amber
	77 - 78	30	LCF0179	Chrome Orange
	79 - 81	31	LCS0774	Soft Amber Key 1
	82 - 84	32	LCS0775	Soft Amber Key 2
	85 - 86	33	LCS0791	Moroccan Frost
	87 - 255	34 - 100		Reserved for future use



**Mode 16 : GEL, 8 bit resolution per function, base channels**

Filter code for Yellow

DMX Channel	Value	Percentage	Gel Name	Gel Number
4 (for Gel 1) (Preset CH3: 153 ~ 165	0 - 4	1	RCA4515	Yellow 15
	5 - 7	2	RCA4530	Yellow 30
	8 - 10	3	RCA4560	Yellow 60
	11 - 12	4	RCA4590	Yellow 90
	13 - 15	5	RCL0006	No Color Straw
8 (for Gel 2) (Preset CH7: 153 ~ 165	16 - 17	6	RCL0012	Straw
	18 - 20	7	RCL0310	Daffodil
	21 - 22	8	RSS2003	VS-Yellow
	23 - 25	9	L600650	Industry Sodium
	26 - 27	10	L600653	LO Sodium
	28 - 30	11	L700742	Bram Brown
	31 - 33	12	L700744	Dirty White
	34 - 35	13	L700746	Brown
	36 - 38	14	L700763	Wheat
	39 - 40	15	L700764	Sun Colour Straw
	41 - 43	16	L700765	L. Yellow
	44 - 45	17	LCF0010	Med. Yellow
	46 - 48	18	LCF0013	Straw Tint
	49 - 50	19	LCF0015	Deep Straw
	51 - 53	20	LCF0020	Med. Amber
	54 - 55	21	LCF0100	Spring Yellow
	56 - 58	22	LCF0101	Yellow
	59 - 61	23	LCF0102	Light Amber
	62 - 63	24	LCF0103	Straw
	64 - 66	25	LCF0104	Deep Amber
67 - 68	26	LCF0159	No Color Straw	
69 - 255	27 - 100		Reserved for future use	

**Mode 16 : GEL, 8 bit resolution per function, base channels**

Filter code for Green

DMX Channel	Value	Percentage	Gel Name	Gel Number
4 (for Gel 1) (Preset CH3: 166 ~ 178)	0 - 4	1	RCA4390	Cyan 90
	5 - 7	2	RCA4415	Green 15
	8 - 10	3	RCA4430	Green 30
	11 - 12	4	RCA4460	Green 60
	13 - 15	5	RCA4490	Green 90
8 (for Gel 2) (Preset CH7: 166 ~ 178)	16 - 17	6	RCL0087	Pale Yellow Green
	18 - 20	7	RCL0088	Light Green
	21 - 22	8	RCL0089	Moss Green
	23 - 25	9	RCL0091	Primary Green
	26 - 27	10	RCL0092	Turquoise
	28 - 30	11	RCL0093	Blue Green
	31 - 33	12	RSS2004	VS-Green
	34 - 35	13	RSS2005	VS-Cyan
	36 - 38	14	L700728	Steel Green
	39 - 40	15	L700730	Liberty Green
	41 - 43	16	L700731	Dirty Ice
	44 - 45	17	L700733	Damp Squib
	46 - 48	18	L700738	JAS Green
	49 - 50	19	LCF0088	Lime Green
	51 - 53	20	LCF0089	Moss Green
	54 - 55	21	LCF0090	Dark Yellow Green
	56 - 58	22	LCF0121	L. Green
	59 - 61	23	LCF0122	Fern Green
	62 - 63	24	LCF0124	Dark Green
	64 - 66	25	LCF0131	Marine Blue
	67 - 68	26	LCF0138	Pale Green
	69 - 71	27	LCF0139	Primary Green
	72 - 255	28 - 100		Reserved for future use

**Mode 16 : GEL, 8 bit resolution per function, base channels**

Filter code for Blue

DMX Channel	Value	Percentage	Gel Name	Gel Number
4 (for Gel 1) (Preset CH3: 179 ~ 191	0 - 4	1	RCA4215	Blue 15
	5 - 7	2	RCA4230	Blue 30
	8 - 10	3	RCA4260	Blue 60
	11 - 12	4	RCA4290	Blue 90
	13 - 15	5	RCA4307	Cyan 7
8 (for Gel 2) (Preset CH7: 179 ~ 191	16 - 17	6	RCA4315	Cyan 15
	18 - 20	7	RCA4330	Cyan 30
	21 - 22	8	RCA4360	Cyan 60
	23 - 25	9	RCL0060	No Color Blue
	26 - 27	10	RCL0062	Booster Blue
	28 - 30	11	RCL0065	Daylight Blue
	31 - 33	12	RCL0077	Green Blue
	34 - 35	13	RCL0080	Primary Blue
	36 - 38	14	RCL0083	Med. Blue
	39 - 40	15	RCL0360	Clearwater
	41 - 43	16	RCL0362	Tipton Blue
	44 - 45	17	RCL0364	Blue Bell
	46 - 48	18	RCL0365	Tharon Delft Blue
	49 - 50	19	RCL0375	Cerulean Blue
	51 - 53	20	RCL0376	Bermuda Blue
	54 - 55	21	RCL0378	Alice Blue
	56 - 58	22	RCL0381	Baldassari Blue
	59 - 61	23	RSS2006	VS-Azure
	62 - 63	24	RSS2007	VS-Blue
	64 - 66	25	RSS2008	VS-Indigo
	67 - 68	26	L600600	Arctic White
	69 - 71	27	L600601	Silver
	72 - 73	28	L600602	Platinum
	74 - 76	29	L600603	Moonlight White
	77 - 78	30	L700708	Cool Lavender
	79 - 81	31	L700710	Spir Sp Blue
	82 - 84	32	L700711	Cold Blue
	85 - 86	33	L700712	Bedford Blue
	87 - 89	34	L700714	Elysian Blue

Mode 16 : GEL, 8 bit resolution per function, base channels

90 – 91	35	L700715	Cabana Blue
92 – 94	36	L700716	Mik. Blue
95 – 96	37	L700719	Colour Wash Blue
97 – 99	38	L700721	Berry Blue
100 – 101	39	L700723	Virgin Blue
102 – 104	40	L700724	Ocean Blue
105 – 106	41	L700725	Old Steel Blue
107 – 109	42	LCC0200	CTB Double
110 – 112	43	LCF0061	Mist Blue
113 – 114	44	LCF0063	Pale Blue
115 – 117	45	LCF0068	Sky Blue
118 – 119	46	LCF0075	Evening Blue
120 – 122	47	LCF0079	Just Blue
123 – 124	48	LCF0085	Deeper Blue
125 – 127	49	LCF0115	Peacock Blue
128 – 129	50	LCF0117	Steel Blue
130 – 132	51	LCF0118	Light Blue
133 – 135	52	LCF0120	Deep Blue
136 – 137	53	LCF0140	Summer Blue
138 – 140	54	LCF0141	Bright Blue
141 – 142	55	LCF0143	Pale Navy Blue
143 – 145	56	LCF0144	No Color Blue
146 – 147	57	LCF0161	Slate Blue
148 – 150	58	LCF0165	Daylight Blue
151 – 152	59	LCF0174	Dark Steel Blue
153 – 155	60	LCF0195	Zenith Blue
156 – 157	61	LCF0196	True Blue
159 – 160	62	LCF0197	Alice Blue
161 – 163	63	LCF0198	Palace Blue
164 – 165	64	LCF0199	Regal Blue
166 – 168	65	LCS0221	Blue Frost
169 – 170	66	LCS0224	Daylite Blue Frost
171 – 173	67	LCS0717	Shanklin Frost
174 – 175	68	LCS0718	1/2 Shanklin Frost
176 – 178	69	LCS0720	Dh Daylite Frost
179 – 255	70 - 100		Reserved for future use

**Mode 16 : GEL, 8 bit resolution per function, base channels**

Filter code for Purple

DMX Channel	Value	Percentage	Gel Name	Gel Number	
4 (for Gel 1) (Preset CH3: 192 ~ 203	0 - 4	1	RSS2010	VS-Magenta	
	5 - 7	2	RSS2009	VS-Violet	
	8 - 10	3	RCL0051	Surprise Pink	
	11 - 12	4	RCL0047	Light Rose Purple	
	13 - 15	5	RCL0037	Pale Rose Pink	
8 (for Gel 2) (Preset CH7: 192 ~ 203	16 - 17	6	RCA4990	Lavender 90	
	18 - 20	7	RCA4960	Lavender 60	
	21 - 22	8	RCA4930	Lavender 30	
	23 - 25	9	RCA4915	Lavender 15	
	26 - 27	10	RCA4790	Magenta 90	
	28 - 30	11	RCA4760	Magenta 60	
	31 - 33	12	RCA4730	Magenta 30	
	34 - 35	13	RCA4715	Magenta 15	
	36 - 38	14	L700700	Perfect Lavender	
	39 - 40	15	L700701	Provence	
	41 - 43	16	L700702	Sp Pale Lavender	
	44 - 45	17	L700703	Cold Lavender	
	46 - 48	18	L700704	Lily	
	49 - 50	19	L700706	King Fals Lavender	
	51 - 53	20	L700709	Electric Lilac	
	54 - 55	21	LCF0003	Lavender Tint	
	56 - 58	22	LCF0052	Light Lavender	
	59 - 61	23	LCF0053	Paler Lavender	
	62 - 63	24	LCF0058	Lavender	
	64 - 66	25	LCF0136	Pale Lavender	
	67 - 68	26	LCF0137	Special Lavender	
	69 - 71	27	LCF0142	Pale Violet	
	72 - 73	28	LCF0169	Lilac Tint	
	74 - 76	29	LCF0170	Deep Lavender	
	77 - 78	30	LCF0180	Dark Lavender	
	79 - 81	31	LCF0194	Surprise Pink	
	82 - 255	32 - 100			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 17 : GEL, 16 bit resolution per function, base channels**

DMX Channel	Value	Percent	Function
1 (hi) 2 (lo)	0 – 65535	0 – 100	Master Intensity
3	Gel 1, CCT Selection		
	0 – 127	0 – 50	3.200 K
	128 – 255	51 – 100	5.600 K
4	Gel 1: Filter Class		
	0 – 12	0 – 4	CTB under Color Correction
	13 – 25	5 – 9	CTO under Color Correction
	26 – 38	10 – 14	CTS under Color Correction
	39 – 50	15 – 19	+/- Green under Color Correction
	51 – 61	20 – 24	Misc under Color Correction
	62 – 127	25 – 49	Reserved
	128 – 140	50 – 54	Red under Color Filter
	141 – 152	55 – 59	Orange under Color Filter
	153 – 165	60 – 64	Yellow under Color Filter
	166 – 178	65 – 69	Green under Color Filter
	179 – 191	70 – 74	Blue under Color Filter
	192 – 203	75 – 79	Purple under Color Filter
204 – 255	80 – 100	Reserved	
5	0 – 255	0 – 100	Gel 1: Filter Code

Mode 17 : GEL, 16 bit resolution per function, base channels

6	0 – 255	0 – 100	Cross Fade from Gel 1 to Gel2
7	Gel 2, CCT Selection		
	0 – 127	0 – 50	3.200 K
	128 – 255	51 – 100	5.600 K
8	Gel 2: Filter Class		
	0 – 12	0 – 4	CTB under Color Correction
	13 – 25	5 – 9	CTO under Color Correction
	26 – 38	10 – 14	CTS under Color Correction
	39 – 50	15 – 19	+/- Green under Color Correction
	51 – 61	20 – 24	Misc under Color Correction
	62 – 127	25 – 49	Reserved
	128 – 140	50 – 54	Red under Color Filter
	141 – 152	55 – 59	Orange under Color Filter
	153 – 165	60 – 64	Yellow under Color Filter
	166 – 178	65 – 69	Green under Color Filter
	179 – 191	70 – 74	Blue under Color Filter
	192 – 203	75 – 79	Purple under Color Filter
	204 – 255	80 – 100	Reserved
9	0 – 255	0 – 100	Gel 2: Filter Code
10	Transition Type		
	0~41	0~16	Direct
	42~83	17~32	Through White Point
	84~125	33~49	Through Black Point
	126~167	50~65	Dissolve (future development plan)
	168~209	66~82	Over White Point (future development plan)
210~255	83~100	Under White point (future development plan)	
11	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
12~14	0 – 255	0 – 100	Reserved for future use

**Mode 17 : GEL, 16 bit resolution per function, base channels**

Filter code for CTB under Color Correction

DMX Channel	Value	Percentage	Gel Name	Gel Number
5 (for Gel 1) (Preset CH4: 0 ~ 12	0 - 4	1	RCC3220	CTB Double
	5 - 7	2	RCC3202	CTB Full
	8 - 10	3	RCC3203	CTB 3/4
	11 - 12	4	RCC3204	CTB 1/2
	13 - 15	5	RCC3208	CTB 1/4
9 (for Gel 2) (Preset CH8: 0 ~ 12	16 - 17	6	RCC3216	CTB 1/8
	18 - 20	7	LCC0283	CTB 1-1/2
	21 - 22	8	LCC0201	CTB Full
	23 - 25	9	LCC0281	CTB 3/4
	26 - 27	10	LCC0202	CTB 1/2
	28 - 30	11	LCC0203	CTB 1/4
	31 - 33	12	LCC0218	CTB 1/8
	34 - 255	13 - 100		Reserved for future use

Filter code for CTO under Color Correction

DMX Channel	Value	Percentage	Gel Name	Gel Number
5 (for Gel 1) (Preset CH4: 13 ~ 25	0 - 4	1	RCC3407	CTO Full
	5 - 7	2	RCC3411	CTO 3/4
	8 - 10	3	RCC3408	CTO 1/2
	11 - 12	4	RCC3409	CTO 1/4
	13 - 15	5	RCC3410	CTO 1/8
9 (for Gel 2) (Preset CH8: 13 ~ 25	16 - 17	6	LCC0286	CTO 1-1/2
	18 - 20	7	LCC0208	CTO Full+6ND
	21 - 22	8	LCC0207	CTO Full+3ND
	23 - 25	9	LCC0206	CTO 1/4
	26 - 27	10	LCC0287	CTO Double
	28 - 30	11	LCC0204	CTO Full
	31 - 33	12	LCC0285	CTO 3/4
	34 - 35	13	LCC0205	CTO 1/2
	36 - 38	14	LCC0223	CTO 1/8
	39 - 255	15 - 100		Reserved for future use

Filter code for CTS under Color Correction

DMX Channel	Value	Percentage	Gel Name	Gel Number
5 (for Gel 1) (Preset CH4: 26 ~ 38	0 - 4	1	RCC3441	CTS Full
	5 - 7	2	RCC3442	CTS 1/2
	8 - 10	3	RCC3443	CTS 1/4
	11 - 12	4	RCC3444	CTS 1/8
	13 - 15	5	LCC0441	CTS Full
9 (for Gel 2) (Preset CH8: 26 ~ 38	16 - 17	6	LCC0442	CTS 1/2
	18 - 20	7	LCC0443	CTS 1/4
	21 - 22	8	LCC0444	CTS 1/8
	23 - 255	9 - 100		Reserved for future use



**Mode 17 : GEL, 16 bit resolution per function, base channels**

Filter code for +/-Green under Color Correction

DMX Channel	Value	Percentage	Gel Name	Gel Number
5 (for Gel 1) (Preset CH4: 39 ~ 50	0 - 4	1	RCC3304	Plusgreen Full
	5 - 7	2	RCC3315	Plusgreen 1/2
	8 - 10	3	RCC3316	Plusgreen 1/4
	11 - 12	4	RCC3317	Plusgreen 1/8
	13 - 15	5	RCC3308	Minusgreen Full
9 (for Gel 2) (Preset CH8: 39 ~ 50	16 - 17	6	RCC3309	Minusgreen 3/4
	18 - 20	7	RCC3313	Minusgreen 1/2
	21 - 22	8	RCC3314	Minusgreen 1/4
	23 - 25	9	RCC3318	Minusgreen 1/8
	26 - 27	10	LCC0244	L.Plus Green
	28 - 30	11	LCC0245	Plus Green 1/2
	31 - 33	12	LCC0246	Plus Green 1/4
	34 - 35	13	LCC0278	Plus Green 1/8
	36 - 38	14	LCC0247	L. Minus Green
	39 - 40	15	LCC0248	Minus Green 1/2
	41 - 43	16	LCC0249	Minus Green 1/4
	44 - 45	17	LCC0279	Minus Green 1/8
	46 - 255	18 - 100		Reserved for future use

Filter code for Misc under Color Correction

DMX Channel	Value	Percentage	Gel Name	Gel Number
5 (for Gel 1) (Preset CH4: 51 ~ 61	0 - 4	1	RCC3102	Tough MT2
	5 - 7	2	RCC3106	Tough MTY
	8 - 10	3	RCC3107	Tough Y-1
	11 - 12	4	RCC3134	Tough MT
	13 - 15	5	RCC3150	Industrial Vapor
9 (for Gel 2) (Preset CH8: 51 ~ 61	16 - 17	6	RCC3152	Urban Vapor
	18 - 20	7	RCC3310	Fluoro Ffilter
	21 - 22	8	LCC0212	LCT Yellow (Y1)
	23 - 25	9	LCC0213	White Flame Green
	26 - 27	10	LCC0219	Fluo Green
	28 - 30	11	LCC0230	S.Corr LCT Yellow
	31 - 33	12	LCC0232	S Corr WF Green
	34 - 35	13	LCC0236	HMI (to Tungsten)
	36 - 38	14	LCC0237	CID (to Tungsten)
	39 - 40	15	LCC0238	CSI (to Tungsten)
	41 - 43	16	LCC0241	L.Flou 5700K
	44 - 45	17	LCC0242	L.Flou 4300K
	46 - 48	18	LCC0243	L.Flou 3600K
49 - 255	19 - 100		Reserved for future use	

Mode 17 : GEL, 16 bit resolution per function, base channels

Filter code for Red

DMX Channel	Value	Percentage	Gel Name	Gel Number
5 (for Gel 1) (Preset CH4: 128 ~ 140	0 - 4	1	RCA4615	Red 15
	5 - 7	2	RCA4630	Red 30
	8 - 10	3	RCA4660	Red 60
	11 - 12	4	RCA4690	Red 90
	13 - 15	5	RCA4815	Pink 15
9 (for Gel 2) (Preset CH8: 128 ~ 140	16 - 17	6	RCA4830	Pink 30
	18 - 20	7	RCA4860	Pink 60
	21 - 22	8	RCA4890	Pink 90
	23 - 25	9	RCC3102	Tough MT2
	26 - 27	10	RCL0021	Golden Amber
	28 - 30	11	RCL0026	Light Red
	31 - 33	12	RCL0033	No Color Pink
	34 - 35	13	RCL0034	Flesh Pink
	36 - 38	14	RCL0041	Salmon
	39 - 40	15	RCL0042	Deep Salmon
	41 - 43	16	RCL0044	Middle Rose
	44 - 45	17	RCL0318	Mayan Sun
	46 - 48	18	RCL0321	Soft Golden Amber
	49 - 50	19	RCL0325	Henna Sky
	51 - 53	20	RCL0333	Blush Pink
	54 - 55	21	RSS2001	VS-Red
	56 - 58	22	L700748	Seedy Pink
	59 - 61	23	L700779	Bastard Pink
	62 - 63	24	L700781	Terry Red
	64 - 66	25	L700790	Moroccan Pink
	67 - 68	26	L700794	Pretty n Pink
	69 - 71	27	L700795	Magical Magenta
	72 - 73	28	LCF0002	Rose Pink
	74 - 76	29	LCF0008	Dark Salmon
	77 - 78	30	LCF0019	Fire
	79 - 81	31	LCF0024	Scarlet
	82 - 84	32	LCF0025	Sunset Red
	85 - 86	33	LCF0026	Bright Red
	87 - 89	34	LCF0035	Light Pink

Mode 17 : GEL, 16 bit resolution per function, base channels

90 – 91	35	LCF0036	Med. Pink
92 – 94	36	LCF0046	Dark Magenta
95 – 96	37	LCF0048	Rose Purple
97 – 99	38	LCF0106	Primary Red
100 – 101	39	LCF0107	Light Rose
102 – 104	40	LCF0108	English Rose
105 – 106	41	LCF0109	Light Salmon
107 – 109	42	LCF0110	Middle Rose
110 – 112	43	LCF0111	Dark Pink
113 – 114	44	LCF0113	Magenta
115 – 117	45	LCF0127	Smokey Pink
118 – 119	46	LCF0128	Bright Pink
120 – 122	47	LCF0148	Bright Rose
123 – 124	48	LCF0151	Gold Tint
125 – 127	49	LCF0153	Pale Salmon
128 – 129	50	LCF0154	Pale Rose
130 – 132	51	LCF0157	Pink
133 – 135	52	LCF0164	Flame Red
136 – 137	53	LCF0176	Loving Amber
138 – 140	54	LCF0182	Light Red
141 – 142	55	LCF0192	Flesh Pink
143 – 145	56	LCF0332	S.Rose Pink
146 – 147	57	LCS0705	Lily Frost
148 – 150	58	LCS0749	Hampshire Rose
151 – 152	59	LCS0750	Durham Frost
153 – 155	60	L700789	Blood Red
156 – 255	61 - 100		Reserved for future use

Mode 17 : GEL, 16 bit resolution per function, base channels

Filter code for Orange

DMX Channel	Value	Percentage	Gel Name	Gel Number
5 (for Gel 1) (Preset CH4: 141 ~ 152	0 - 4	1	RCL0002	Bastard Amber
	5 - 7	2	RCL0008	Pale Gold
	8 - 10	3	RCL0016	Light Amber
	11 - 12	4	RCL0017	Light Flame
	13 - 15	5	RCL0018	Flame
9 (for Gel 2) (Preset CH8: 141 ~ 152	16 - 17	6	RCL0023	Orange
	18 - 20	7	RCL0099	Chocolate
	21 - 22	8	RCL0302	Pale Bastard Amber
	23 - 25	9	RCL0316	Gallo Gold
	26 - 27	10	RSS2002	VS-Orange
	28 - 30	11	L600604	Full CT
	31 - 33	12	L600651	HI Sodium
	34 - 35	13	L600652	Urban Sodium
	36 - 38	14	L700747	Easy White
	39 - 40	15	L700773	Cardbox Amber
	41 - 43	16	L700776	Nectarine
	44 - 45	17	L700778	Millennium Gold
	46 - 48	18	LCF0004	Med.Bastard Amber
	49 - 50	19	LCF0009	Pale Amber Gold
	51 - 53	20	LCF0017	Surprise Peach
	54 - 55	21	LCF0021	Gold Amber
	56 - 58	22	LCF0022	Dark Amber
	59 - 61	23	LCF0105	Orange
	62 - 63	24	LCF0134	Golden Amber
	64 - 66	25	LCF0135	Deep Golden Amber
	67 - 68	26	LCF0147	Apricot
	69 - 71	27	LCF0152	Pale Gold
	72 - 73	28	LCF0156	Chocolate
	74 - 76	29	LCF0162	Bastard Amber
	77 - 78	30	LCF0179	Chrome Orange
	79 - 81	31	LCS0774	Soft Amber Key 1
	82 - 84	32	LCS0775	Soft Amber Key 2
	85 - 86	33	LCS0791	Moroccan Frost
	87 - 255	34 - 100		Reserved for future use

**Mode 17 : GEL, 16 bit resolution per function, base channels**

Filter code for Yellow

DMX Channel	Value	Percentage	Gel Name	Gel Number
5 (for Gel 1) (Preset CH4: 153 ~ 165	0 - 4	1	RCA4515	Yellow 15
	5 - 7	2	RCA4530	Yellow 30
	8 - 10	3	RCA4560	Yellow 60
	11 - 12	4	RCA4590	Yellow 90
	13 - 15	5	RCL0006	No Color Straw
9 (for Gel 2) (Preset CH8: 153 ~ 165	16 - 17	6	RCL0012	Straw
	18 - 20	7	RCL0310	Daffodil
	21 - 22	8	RSS2003	VS-Yellow
	23 - 25	9	L600650	Industry Sodium
	26 - 27	10	L600653	LO Sodium
	28 - 30	11	L700742	Bram Brown
	31 - 33	12	L700744	Dirty White
	34 - 35	13	L700746	Brown
	36 - 38	14	L700763	Wheat
	39 - 40	15	L700764	Sun Colour Straw
	41 - 43	16	L700765	L. Yellow
	44 - 45	17	LCF0010	Med. Yellow
	46 - 48	18	LCF0013	Straw Tint
	49 - 50	19	LCF0015	Deep Straw
	51 - 53	20	LCF0020	Med. Amber
	54 - 55	21	LCF0100	Spring Yellow
	56 - 58	22	LCF0101	Yellow
	59 - 61	23	LCF0102	Light Amber
	62 - 63	24	LCF0103	Straw
	64 - 66	25	LCF0104	Deep Amber
67 - 68	26	LCF0159	No Color Straw	
69 - 255	27 - 100		Reserved for future use	

**Mode 17 : GEL, 16 bit resolution per function, base channels**

Filter code for Green

DMX Channel	Value	Percentage	Gel Name	Gel Number
5 (for Gel 1) (Preset CH4: 166 ~ 178)	0 - 4	1	RCA4390	Cyan 90
	5 - 7	2	RCA4415	Green 15
	8 - 10	3	RCA4430	Green 30
	11 - 12	4	RCA4460	Green 60
	13 - 15	5	RCA4490	Green 90
9 (for Gel 2) (Preset CH8: 166 ~ 178)	16 - 17	6	RCL0087	Pale Yellow Green
	18 - 20	7	RCL0088	Light Green
	21 - 22	8	RCL0089	Moss Green
	23 - 25	9	RCL0091	Primary Green
	26 - 27	10	RCL0092	Turquoise
	28 - 30	11	RCL0093	Blue Green
	31 - 33	12	RSS2004	VS-Green
	34 - 35	13	RSS2005	VS-Cyan
	36 - 38	14	L700728	Steel Green
	39 - 40	15	L700730	Liberty Green
	41 - 43	16	L700731	Dirty Ice
	44 - 45	17	L700733	Damp Squib
	46 - 48	18	L700738	JAS Green
	49 - 50	19	LCF0088	Lime Green
	51 - 53	20	LCF0089	Moss Green
	54 - 55	21	LCF0090	Dark Yellow Green
	56 - 58	22	LCF0121	L. Green
	59 - 61	23	LCF0122	Fern Green
	62 - 63	24	LCF0124	Dark Green
	64 - 66	25	LCF0131	Marine Blue
	67 - 68	26	LCF0138	Pale Green
	69 - 71	27	LCF0139	Primary Green
	72 - 255	28 - 100		Reserved for future use

**Mode 17 : GEL, 16 bit resolution per function, base channels**

Filter code for Blue

DMX Channel	Value	Percentage	Gel Name	Gel Number
5 (for Gel 1) (Preset CH4: 179 ~ 191	0 - 4	1	RCA4215	Blue 15
	5 - 7	2	RCA4230	Blue 30
	8 - 10	3	RCA4260	Blue 60
	11 - 12	4	RCA4290	Blue 90
	13 - 15	5	RCA4307	Cyan 7
9 (for Gel 2) (Preset CH8: 179 ~ 191	16 - 17	6	RCA4315	Cyan 15
	18 - 20	7	RCA4330	Cyan 30
	21 - 22	8	RCA4360	Cyan 60
	23 - 25	9	RCL0060	No Color Blue
	26 - 27	10	RCL0062	Booster Blue
	28 - 30	11	RCL0065	Daylight Blue
	31 - 33	12	RCL0077	Green Blue
	34 - 35	13	RCL0080	Primary Blue
	36 - 38	14	RCL0083	Med. Blue
	39 - 40	15	RCL0360	Clearwater
	41 - 43	16	RCL0362	Tipton Blue
	44 - 45	17	RCL0364	Blue Bell
	46 - 48	18	RCL0365	Tharon Delft Blue
	49 - 50	19	RCL0375	Cerulean Blue
	51 - 53	20	RCL0376	Bermuda Blue
	54 - 55	21	RCL0378	Alice Blue
	56 - 58	22	RCL0381	Baldassari Blue
	59 - 61	23	RSS2006	VS-Azure
	62 - 63	24	RSS2007	VS-Blue
	64 - 66	25	RSS2008	VS-Indigo
	67 - 68	26	L600600	Arctic White
	69 - 71	27	L600601	Silver
	72 - 73	28	L600602	Platinum
	74 - 76	29	L600603	Moonlight White
77 - 78	30	L700708	Cool Lavender	
79 - 81	31	L700710	Spir Sp Blue	
82 - 84	32	L700711	Cold Blue	
85 - 86	33	L700712	Bedford Blue	
87 - 89	34	L700714	Elysian Blue	

Mode 17 : GEL, 16 bit resolution per function, base channels

90 – 91	35	L700715	Cabana Blue
92 – 94	36	L700716	Mik. Blue
95 – 96	37	L700719	Colour Wash Blue
97 – 99	38	L700721	Berry Blue
100 – 101	39	L700723	Virgin Blue
102 – 104	40	L700724	Ocean Blue
105 – 106	41	L700725	Old Steel Blue
107 – 109	42	LCC0200	CTB Double
110 – 112	43	LCF0061	Mist Blue
113 – 114	44	LCF0063	Pale Blue
115 – 117	45	LCF0068	Sky Blue
118 – 119	46	LCF0075	Evening Blue
120 – 122	47	LCF0079	Just Blue
123 – 124	48	LCF0085	Deeper Blue
125 – 127	49	LCF0115	Peacock Blue
128 – 129	50	LCF0117	Steel Blue
130 – 132	51	LCF0118	Light Blue
133 – 135	52	LCF0120	Deep Blue
136 – 137	53	LCF0140	Summer Blue
138 – 140	54	LCF0141	Bright Blue
141 – 142	55	LCF0143	Pale Navy Blue
143 – 145	56	LCF0144	No Color Blue
146 – 147	57	LCF0161	Slate Blue
148 – 150	58	LCF0165	Daylight Blue
151 – 152	59	LCF0174	Dark Steel Blue
153 – 155	60	LCF0195	Zenith Blue
156 – 157	61	LCF0196	True Blue
159 – 160	62	LCF0197	Alice Blue
161 – 163	63	LCF0198	Palace Blue
164 – 165	64	LCF0199	Regal Blue
166 – 168	65	LCS0221	Blue Frost
169 – 170	66	LCS0224	Daylite Blue Frost
171 – 173	67	LCS0717	Shanklin Frost
174 – 175	68	LCS0718	1/2 Shanklin Frost
176 – 178	69	LCS0720	Dh Daylite Frost
179 – 255	70 - 100		Reserved for future use



**Mode 17 : GEL, 16 bit resolution per function, base channels**

Filter code for Purple

DMX Channel	Value	Percentage	Gel Name	Gel Number	
5 (for Gel 1) (Preset CH4: 192 ~ 203	0 - 4	1	RSS2010	VS-Magenta	
	5 - 7	2	RSS2009	VS-Violet	
	8 - 10	3	RCL0051	Surprise Pink	
	11 - 12	4	RCL0047	Light Rose Purple	
	13 - 15	5	RCL0037	Pale Rose Pink	
9 (for Gel 2) (Preset CH8: 192 ~ 203	16 - 17	6	RCA4990	Lavender 90	
	18 - 20	7	RCA4960	Lavender 60	
	21 - 22	8	RCA4930	Lavender 30	
	23 - 25	9	RCA4915	Lavender 15	
	26 - 27	10	RCA4790	Magenta 90	
	28 - 30	11	RCA4760	Magenta 60	
	31 - 33	12	RCA4730	Magenta 30	
	34 - 35	13	RCA4715	Magenta 15	
	36 - 38	14	L700700	Perfect Lavender	
	39 - 40	15	L700701	Provence	
	41 - 43	16	L700702	Sp Pale Lavender	
	44 - 45	17	L700703	Cold Lavender	
	46 - 48	18	L700704	Lily	
	49 - 50	19	L700706	King Fals Lavender	
	51 - 53	20	L700709	Electric Lilac	
	54 - 55	21	LCF0003	Lavender Tint	
	56 - 58	22	LCF0052	Light Lavender	
	59 - 61	23	LCF0053	Paler Lavender	
	62 - 63	24	LCF0058	Lavender	
	64 - 66	25	LCF0136	Pale Lavender	
	67 - 68	26	LCF0137	Special Lavender	
	69 - 71	27	LCF0142	Pale Violet	
	72 - 73	28	LCF0169	Lilac Tint	
	74 - 76	29	LCF0170	Deep Lavender	
	77 - 78	30	LCF0180	Dark Lavender	
	79 - 81	31	LCF0194	Surprise Pink	
	82 - 255	32 - 100			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 18 : x,y Coordinates, 8 bit resolution per function**

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	X1 Coordinate (0.0 – 0.8)
3	0 – 255	0 – 100	Y1 Coordinate (0.0 – 0.8)
4	0 – 255	0 – 100	Cross Fade X1, Y1 → X2, Y2
5	0 – 255	0 – 100	X2 Coordinate (0.0 – 0.8)
6	0 – 255	0 – 100	Y2 Coordinate (0.0 – 0.8)
7	Transition Type		
	0~41	0~16	Direct
	42~83	17~32	Through White Point
	84~125	33~49	Through Black Point
	126~167	50~65	Dissolve (future development plan)
	168~209	66~82	Over White Point (future development plan)
210~255	83~100	Under White point (future development plan)	
8	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
9 ~ 11			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 19 : x,y Coordinates 16 bit resolution per function**

DMX Channel	Value	Percent	Function
1 (Hi)	Master Intensity		
2 (Lo)			
3 (hi)	0 –65535	0 – 100	X1 Coordinate (0.0 – 0.8)
4 (lo)			
5 (hi)	0 –65535	0 – 100	Y1 Coordinate (0.0 – 0,8)
6 (lo)			
7	0 – 255	0 – 100	Cross Fade X1, Y1 → X2, Y2
8 (hi)	0 –65535	0 – 100	X2 Coordinate (0.0 – 0.8)
9 (lo)			
10 (hi)	0 –65535	0 – 100	Y2 Coordinate (0.0 – 0,8)
11 (lo)			
12	Transition Type		
	0~41	0~16	Direct
	42~83	17~32	Through White Point
	84~125	33~49	Through Black Point
	126~167	50~65	Dissolve (future development plan)
	168~209	66~82	Over White Point (future development plan)
210~255	83~100	Under White point (future development plan)	
13	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
14~16			Reserved for future use

## Filmgear LED Lights DMX Chart for 6 RND Pixels

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

### Mode 20 : Effects, 8 bit resolution per function

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	Effect Selection		
	0 – 9	0 – 4	No Effect
	10 – 19	5 – 7	Party
	20 – 29	8 – 11	Candle
	30 – 39	12 – 15	Clouds Passing
	40 – 49	16 – 19	Club
	50 – 59	20 – 23	Color Chase
	60 – 69	24 – 27	Explosion
	70 – 79	28 – 31	Fire
	80 – 89	32 – 35	Fireworks
	90 – 99	36 – 39	Flu.Flicker
	100 – 109	40 – 43	Lightning
	110 – 119	44 – 47	Paparazzi
	120 – 129	48 – 51	Police Car
	130 – 139	52 – 55	Process
	140 – 149	56 – 58	Pulsing
	150 – 159	59 – 62	Strobe
	160 – 169	63 – 66	TV
170 – 179	67 – 70	Welding	
180 – 189	71 – 74	Rotate	
190 – 255	75 – 100	Reserved for future use (No Effect)	

**Mode 20 : Effects, 8 bit resolution per function**

3	0 – 255	0 – 100	Effect Parameter 1 (Like PARTY, SPEED)
4	0 – 255	0 – 100	Effect Parameter 2 (Like PARTY, SATURATION)
5	0 – 255	0 – 100	Effect Parameter 3
6	0 – 255	0 – 100	Effect Parameter 4
7	0 – 255	0 – 100	Effect Parameter 5
8	0 – 255	0 – 100	Effect Parameter 6
9	0 – 255	0 – 100	Effect Parameter 7
10	0 – 255	0 – 100	Effect Parameter 8
11	0 – 255	0 – 100	Effect Parameter 9
12	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use
13~15			Reserved for future use

## Mode 20 : Effects, 8 bit resolution per function

Party Effect				
Preset: Ch2: 10-19				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Speed
2	4	0 – 255	0 – 100	Saturation

Candle				
Preset: Ch2: 20-29				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Speed
2	4	Color Temperature		
		0 – 84	0 – 33	1400 ~ 1700K
		85 – 170	34 – 66	1700 ~ 2000K
		171 – 255	67 – 100	2000 ~ 2300K

Cloud Passing				
Preset: Ch2: 30-39				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Speed
2	4	0 – 255	0 – 100	Offset *Number 0 - 50 ( Every 5 DMX values is a new Offset)
3	5	255	100	Sync (Jump to "Offset" section)

Club				
Preset: Ch2: 40-49				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Speed
2	4	Type		
		0 - 31	0 - 12	3 Colors
		32 - 63	13 - 24	6 Colors
		64 - 95	25 - 37	9 Colors
		96 - 127	38 - 49	12 Colors
		128 - 159	50 - 62	15 Colors
		160 - 191	63 - 74	18 Colors
		192 - 223	75 - 87	21 Colors
		224 - 255	88 - 100	24 Colors

Color Chase				
Preset: Ch2: 50-59				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Speed
2	4	0 – 255	0 – 100	Offset *Number 0 - 50 ( Every 5 DMX values is a new Offset)
3	5	255	100	Sync (Jump to "Offset" section)

## Mode 20 : Effects, 8 bit resolution per function

Explosion				
Preset: Ch2: 60-69				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 - 127	0 - 49	Auto Explosion Speed (Slow ->Fast)
		128 - 249	50 - 97	Idle (Manual Operation wait for signal)
		250 - 255	98 - 100	Manual Trigger
2	4	0 - 255	0 - 100	Decay
3	5	0 - 255	0 - 100	Color Temp. (2700K~10000K)
4	6	Green / Magenta Adjustment		
		0~10	0~4	neutral / no effect
		11~20	5~8	full minus green
		21~119	9~46	-99% --> -1%
		120~145	47~57	neutral / no effect
		146~244	58~96	1% --> 99%
		245~255	97~100	full plus green
5	7	0 - 255	0 - 100	Color Change Coefficient White --> Color
6	8	0 - 255	0 - 100	Adjust HUE (0~359)
7	9	0 - 255	0 - 100	Adjust Saturation (0~100%)

Fire				
Preset: Ch2: 70-79				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 - 255	0 - 100	Speed
2	4	Color Temperature		
		0 - 84	0 - 33	Warm
		85 - 170	34 - 66	Neutral
		171 - 255	67 - 100	Cold

Fireworks				
Preset: Ch2: 80-89				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 - 255	0 - 100	Speed
2	4	Combination		
		0 - 84	0 - 33	RGB
		85 - 170	34 - 66	White
		171 - 255	67 - 100	RGB+White

## Mode 20 : Effects, 8 bit resolution per function

Flu. Flicker				
Preset: Ch2: 90-99				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Speed
2	4	0 – 255	0 – 100	Frequency
3	5	0 – 255	0 – 100	Color Temp. (2700K~10000K)
4	6	Green / Magenta Adjustment		
		0~10	0~4	neutral / no effect
		11~20	5~8	full minus green
		21~119	9~46	-99% --> -1%
		120~145	47~57	neutral / no effect
		146~244	58~96	1% --> 99%
	245~255	97~100	full plus green	
5	7	0 – 255	0 – 100	Color Change Coefficient White --> Color
6	8	0 – 255	0 – 100	Adjust HUE (0~359)
7	9	0 – 255	0 – 100	Adjust Saturation (0~100%)
8	10	255	100	Sync

Lightning				
Preset: Ch2: 100-109				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Frequency
2	4	0 - 255	0 - 100	Density
3	5	0 – 255	0 – 100	Color Temp. (2700K~10000K)
4	6	Green / Magenta Adjustment		
		0~10	0~4	neutral / no effect
		11~20	5~8	full minus green
		21~119	9~46	-99% --> -1%
		120~145	47~57	neutral / no effect
		146~244	58~96	1% --> 99%
	245~255	97~100	full plus green	
5	7	0 – 255	0 – 100	Color Change Coefficient White --> Color
6	8	0 – 255	0 – 100	Adjust HUE (0~359)
7	9	0 – 255	0 – 100	Adjust Saturation (0~100%)
8	10	255	100	Sync



**Mode 20 : Effects, 8 bit resolution per function**

Paparazzi				
Preset: Ch2: 110-119				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Frequency
2	4	Flash Type		
		0 – 127	0 – 50	Flash Bulb
		128 – 255	51 – 100	Modern Flash
3	5	0 – 255	0 – 100	Color Temp. (2700K~10000K)
4	6	Green / Magenta Adjustment		
		0~10	0~4	neutral / no effect
		11~20	5~8	full minus green
		21~119	9~46	-99% --> -1%
		120~145	47~57	neutral / no effect
		146~244	58~96	1% --> 99%
		245~255	97~100	full plus green
5	7	0 – 255	0 – 100	Color Change Coefficient White --> Color
6	8	0 – 255	0 – 100	Adjust HUE (0~359)
7	9	0 – 255	0 – 100	Adjust Saturation (0~100%)
8	10	255	100	Sync

Police Car				
Preset: Ch2: 120-129				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	Color Combinations		
		0 - 25	0 - 9	Blue
		26 - 50	10 - 19	Red
		51 - 76	20 - 29	Blue and Red
		77 - 101	30 - 39	Blue and White
		102 - 127	40 - 49	Amber
		128 - 152	50 - 59	Blue and Amber
		153 - 178	60 - 69	Red and Amber
		179 - 203	70 - 79	Blue, Red and White
		204 - 229	80 - 89	Blue, Red and Amber
230 - 255	90 - 100	Reserved		
2	4	Mode		
		0 - 25	0 - 9	Single Flash
		26 - 50	10 - 19	Double Flash
		51 - 76	20 - 29	Quint Flash
		77 - 101	30 - 39	Quad Flash
		102 - 127	40 - 49	Quint All
		128 - 152	50 - 59	Cycle All
		153 - 255	60 - 100	Reserved for future use

**Mode 20 : Effects, 8 bit resolution per function**

Process				
Preset: Ch2: 130-139				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Speed
2	4	Direction		
		0 – 127	0 – 50	From Right to Left
		128 – 255	51 – 100	From Left to Right
3	5	0 – 255	0 – 100	Color Temp. (2700K~10000K)
4	6	Green / Magenta Adjustment		
		0~10	0~4	neutral / no effect
		11~20	5~8	full minus green
		21~119	9~46	-99% --> -1%
		120~145	47~57	neutral / no effect
		146~244	58~96	1% --> 99%
		245~255	97~100	full plus green
5	7	0 – 255	0 – 100	Color Change Coefficient White --> Color
6	8	0 – 255	0 – 100	Adjust HUE (0~359)
7	9	0 – 255	0 – 100	Adjust Saturation (0~100%)
8	10	255	100	Sync

Pulsing				
Preset: Ch2: 140-149				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Frequency
2	4	0 – 255	0 – 100	Span (Pulse Duration)
3	5	0 – 255	0 – 100	Color temperature CCT
4	6	Green / Magenta Adjustment		
		0~10	0~4	neutral / no effect
		11~20	5~8	full minus green
		21~119	9~46	-99% --> -1%
		120~145	47~57	neutral / no effect
		146~244	58~96	1% --> 99%
245~255	97~100	full plus green		
5	7	0 – 255	0 – 100	Color Change Coefficient White --> Color
6	8	0 – 255	0 – 100	Adjust HUE (0~359)
7	9	0 – 255	0 – 100	Adjust Saturation (0~100%)
8	10	255	100	Sync

**Mode 20 : Effects, 8 bit resolution per function**

Strobe				
Preset: Ch2: 150-159				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Strobe ON
2	4	0 – 255	0 – 100	Strobe OFF
3	5	0 – 255	0 – 100	Color Temp. (2700K~10000K)
4	6	Green / Magenta Adjustment		
		0~10	0~4	neutral / no effect
		11~20	5~8	full minus green
		21~119	9~46	-99% --> -1%
		120~145	47~57	neutral / no effect
		146~244	58~96	1% --> 99%
245~255	97~100	full plus green		
5	7	0 – 255	0 – 100	Color Change Coefficient White --> Color
6	8	0 – 255	0 – 100	Adjust HUE (0~359)
7	9	0 – 255	0 – 100	Adjust Saturation (0~100%)
8	10	255	100	Sync

TV				
Preset: Ch2: 160-169				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Speed
2	4	Color Temperature		
		0 – 84	0 – 33	Warm
		85 – 170	34 – 66	Neutral
		171 – 255	67 – 100	Cold

## Mode 20 : Effects, 8 bit resolution per function

Welding				
Preset: Ch2: 170-179				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Speed
2	4	0 – 255	0 – 100	Min Intensity Level
3	5	0 – 255	0 – 100	Color Temp. (2700K~10000K)
4	6	Green / Magenta Adjustment		
		0~10	0~4	neutral / no effect
		11~20	5~8	full minus green
		21~119	9~46	-99% --> -1%
		120~145	47~57	neutral / no effect
		146~244	58~96	1% --> 99%
	245~255	97~100	full plus green	
5	7	0 – 255	0 – 100	Color Change Coefficient White --> Color
6	8	0 – 255	0 – 100	Adjust HUE (0~359)
7	9	0 – 255	0 – 100	Adjust Saturation (0~100%)

Rotate				
Preset: Ch2: 180-189				
Para.	DMX Channel	Value 8 bit	Percent	Function
1	3	0 – 255	0 – 100	Speed
2	4	Direction		
		0 – 127	0 – 50	From Right to Left
		128 – 255	51 – 100	From Left to Right
3	5	Color Combination		
		0 - 12	0 - 4	Random
		13 - 25	5 - 9	Red
		26 - 38	10 - 14	Orange
		39 - 50	15 - 19	Yellow
		51 - 61	20 - 24	Green
		62 - 76	25 - 29	Blue
		77 - 89	30 - 34	Purple
		90 - 101	35 - 39	2800K, G/M=0
		102 - 114	40 - 44	3200K, G/M=0
		115 - 127	45 - 49	4000K, G/M=0
		128 - 140	50 - 54	5600K, G/M=0
		141 - 152	55 - 59	6500K, G/M=0
153 - 255	60 - 100	Reserved		
4	6	255	100	Sync

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 21 : Effects, 16 bit resolution per function**

Para.	DMX Channel	Value	Percent	Function
	1 (Hi)			Master Intensity
	2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)

3	Effect Selection		
	0 – 9	0 – 4	No Effect
10 – 19	5 – 7	Party	
20 – 29	8 – 11	Candle	
30 – 39	12 – 15	Clouds Passing	
40 – 49	16 – 19	Club	
50 – 59	20 – 23	Color Chase	
60 – 69	24 – 27	Explosion	
70 – 79	28 – 31	Fire	
80 – 89	32 – 35	Fireworks	
90 – 99	36 – 39	Flu.Flicker	
100 – 109	40 – 43	Lightning	
110 – 119	44 – 47	Paparazzi	
120 – 129	48 – 51	Police Car	
130 – 139	52 – 55	Process	
140 – 149	56 – 58	Pulsing	
150 – 159	59 – 62	Strobe	
160 – 169	63 – 66	TV	
170 – 179	67 – 70	Welding	
180 – 189	71 – 74	Rotate	
190 - 255	75 - 100	Reserved for future use (No Effect)	

4			Reserved for future use
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**Mode 21 : Effects, 16 bit resolution per function**

5 (Hi)	Effect Parameter #1		
6 (Lo)	0 – 65535	0 – 100	Para#1 (Like PARTY, SPEED)
7 (Hi)	Effect Parameter #2		
8 (Lo)	0 – 65535	0 – 100	Para #2 (Like PARTY , SATURATION)
9 (Hi)	Effect Parameter #3		
10 (Lo)	0 – 65535	0 – 100	Para #3
11 (Hi)	Effect Parameter #4		
12 (Lo)	0 – 65535	0 – 100	Para #4
13 (Hi)	Effect Parameter #5		
14 (Lo)	0 – 65535	0 – 100	Para #5
15 (Hi)	Effect Parameter #6		
16 (Lo)	0 – 65535	0 – 100	Para #6
17 (Hi)	Effect Parameter #7		
18 (Lo)	0 – 65535	0 – 100	Para #7
19 (Hi)	Effect Parameter #8		
20 (Lo)	0 – 65535	0 – 100	Para #8
21 (Hi)	Effect Parameter #9		
22 (Lo)	0 – 65535	0 – 100	Para #9
23	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	
24~26			Reserved for future use

## Mode 21 : Effects, 16 bit resolution per function

Party Effect				
Preset: Ch3: 10-19				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi)	0 – 65535	0 – 100	Speed
	6 (Lo)			
2	7 (Hi)	0 – 65535	0 – 100	Saturation
	8 (Lo)			

Candle				
Preset: Ch3: 20-29				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi)	0 – 65535	0 – 100	Speed
	6 (Lo)			
2	7 (Hi)	Color Temperature		
	8 (Lo)	0 – 21804	0 – 33	1400 ~ 1700K
		21805 – 43520	34 – 66	1700 ~ 2000K
		43521 – 65535	67 – 100	2000 ~ 2300K

Cloud Passing				
Preset: Ch3: 30-39				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi)	0 – 65535	0 – 100	Speed
	6 (Lo)			
2	7 (Hi)	0 – 65535	0 – 100	Offset
	8 (Lo)			
3	9 (Hi) 10 (Lo)	65535	100	Sync (Jump to "Offset" section)

Club				
Preset: Ch3: 40-49				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi)	0 – 65535	0 – 100	Speed
	6 (Lo)			
2	7 (Hi)	Type		
	8 (Lo)	0 - 8191	0 - 12	3 Colors
		8192 - 16383	13 - 24	6 Colors
		16384 - 24575	25 - 37	9 Colors
		24576 - 32767	38 - 49	12 Colors
		32768 - 40959	50 - 62	15 Colors
		40960 - 49151	63 - 74	18 Colors
		49152 - 57343	75 - 87	21 Colors
		57344 - 65535	88 - 100	24 Colors

## Mode 21 : Effects, 16 bit resolution per function

Color Chase				
Preset: Ch3: 50-59				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi)	0 – 65535	0 – 100	Speed
	6 (Lo)			
2	7 (Hi)	0 – 65535	0 – 100	Offset *Number 0 - 50 ( Every 500 DMX values is a new Offset)
	8 (Lo)			
3	9 (Hi)	65535	100	Sync (Jump to "Offset" section)
	10 (Lo)			

Explosion				
Preset: Ch3: 60-69				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi)	0 - 32767	0 - 49	Auto Explosion Speed (Slow ->Fast)
	6 (Lo)	32768 - 64224	50 - 97	Idle (Manual Operation wait for signal)
		64225- 65535	98 – 100	Manual Trigger
2	7 (Hi)	0 – 65535	0 – 100	Decay
	8 (Lo)			
3	9 (Hi)	0 – 65535	0 – 100	Color Temp. (2700K~10000K)
	10 (Lo)			
4	11 (Hi)	Green / Magenta Adjustment		
	12 (Lo)	0~5000	0~7	neutral / no effect
		5001~10000	8~15	full minus green
		10001~29999	16~46	-99% --> -1%
		30000~40000	47~61	neutral / no effect
		40001~59999	62~92	1% --> 99%
60000~65535	93~100	full plus green		
5	13 (Hi)	0 – 65535	0 – 100	Color Change Coefficient White --> Color
	14 (Lo)			
6	15 (Hi)	0 – 65535	0 – 100	Adjust HUE (0~359)
	16 (Lo)			
7	17 (Hi)	0 – 65535	0 – 100	Adjust Saturation (0~100%)
	18 (Lo)			

Fire				
Preset: Ch3: 70-79				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi)	0 – 65535	0 – 100	Speed
	6 (Lo)			
2	7 (Hi)	Color Temperature		
	8 (Lo)	0 – 21804	0 – 33	Warm
		21805 – 43520	34 – 66	Neutral
		43521 – 65535	67 – 100	Cold



## Mode 21 : Effects, 16 bit resolution per function

Fireworks				
Preset: Ch3: 80-89				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi)	0 – 65535	0 – 100	Speed
	6 (Lo)			
2	7 (Hi)	Combination		
	8 (Lo)	0 – 21804	0 – 33	RGB
		21805 – 43520	34 – 66	White
		43521 – 65535	67 – 100	RGB+White

Flu. Flicker				
Preset: Ch3: 90-99				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi)	0 – 65535	0 – 100	Speed
	6 (Lo)			
2	7 (Hi)	0 – 65535	0 – 100	Frequency
	8 (Lo)			
3	9 (Hi)	0 – 65535	0 – 100	Color Temp. (2700K~10000K)
	10 (Lo)			
4	11 (Hi)	Green / Magenta Adjustment		
	12 (Lo)	0~5000	0~7	neutral / no effect
		5001~10000	8~15	full minus green
		10001~29999	16~46	-99% --> -1%
		30000~40000	47~61	neutral / no effect
		40001~59999	62~92	1% --> 99%
60000~65535	93~100	full plus green		
5	13 (Hi)	0 – 65535	0 – 100	Color Change Coefficient White --> Color
	14 (Lo)			
6	15 (Hi)	0 – 65535	0 – 100	Adjust HUE (0~359)
	16 (Lo)			
7	17 (Hi)	0 – 65535	0 – 100	Adjust Saturation (0~100%)
	18 (Lo)			
8	19 (Hi)	65535	100	Sync
	20 (Lo)			

**Mode 21 : Effects, 16 bit resolution per function**

Lightning				
Preset: Ch3: 100-109				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Frequency
2	7 (Hi) 8 (Lo)	0 -65535	0 - 100	Density
3	9 (Hi) 10 (Lo)	0 – 65535	0 – 100	Color Temp. (2700K~10000K)
4	11 (Hi) 12 (Lo)	Green / Magenta Adjustment		
		0~5000	0~7	neutral / no effect
		5001~10000	8~15	full minus green
		10001~29999	16~46	-99% --> -1%
		30000~40000	47~61	neutral / no effect
		40001~59999	62~92	1% --> 99%
		60000~65535	93~100	full plus green
5	13 (Hi) 14 (Lo)	0 – 65535	0 – 100	Color Change Coefficient White --> Color
6	15 (Hi) 16 (Lo)	0 – 65535	0 – 100	Adjust HUE (0~359)
7	17 (Hi) 18 (Lo)	0 – 65535	0 – 100	Adjust Saturation (0~100%)
8	19 (Hi) 20 (Lo)	65535	100	Sync

**Mode 21 : Effects, 16 bit resolution per function**

Paparazzi				
Preset: Ch3: 110-119				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Frequency
2	7 (Hi)	Flash Type		
	8 (Lo)	0 - 32767	0 – 50	Flash Bulb
		32768 - 65535	51 – 100	Modern Flash
3	9 (Hi) 10 (Lo)	0 – 65535	0 – 100	Color Temp. (2700K~10000K)
4	11 (Hi)	Green / Magenta Adjustment		
	12 (Lo)	0~5000	0~7	neutral / no effect
		5001~10000	8~15	full minus green
		10001~29999	16~46	-99% --> -1%
		30000~40000	47~61	neutral / no effect
		40001~59999	62~92	1% --> 99%
60000~65535	93~100	full plus green		
5	13 (Hi) 14 (Lo)	0 – 65535	0 – 100	Color Change Coefficient White --> Color
6	15 (Hi) 16 (Lo)	0 – 65535	0 – 100	Adjust HUE (0~359)
7	17 (Hi) 18 (Lo)	0 – 65535	0 – 100	Adjust Saturation (0~100%)
8	19 (Hi) 20 (Lo)	65535	100	Sync

**Mode 21 : Effects, 16 bit resolution per function**

Police Car				
Preset: Ch3: 120-129				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi)	Color Combinations		
	6 (Lo)	0 – 6553	0 - 9	Blue
		6554 - 13106	10 - 19	Red
		13107 - 19660	20 - 29	Blue and Red
		19661 - 26214	30 - 39	Blue and White
		26215 - 32767	40 - 49	Amber
		32768 - 39221	50- 59	Blue and Amber
		39222 - 45874	60 - 69	Red and Amber
		45875 - 51772	70 - 79	Blue, Red and White
		51773 - 58981	80 - 89	Blue, Red and Amber
		58982 - 65535	90 - 100	Reserved
2	7 (Hi)	Mode		
	8 (Lo)	0 – 6553	0 - 9	Single Flash
		6554 - 13106	10 - 19	Double Flash
		13107 - 19660	20 - 29	Quint Flash
		19661 - 26214	30 - 39	Quad Flash
		26215 - 32767	40 - 49	Quint All
		32768 - 39221	50- 59	Cycle All
		39222 - 65535	60 - 100	Reserved for future use

**Mode 21 : Effects, 16 bit resolution per function**

Process				
Preset: Ch3: 130-139				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Speed
2	7 (Hi)	Direction		
	8 (Lo)	0 - 32767	0 – 50	From Right to Left
		32768 - 65535	51 – 100	From Left to Right
3	9 (Hi) 10 (Lo)	0 – 65535	0 – 100	Color Temp. (2700K~10000K)
4	11 (Hi)	Green / Magenta Adjustment		
	12 (Lo)	0~5000	0~7	neutral / no effect
		5001~10000	8~15	full minus green
		10001~29999	16~46	-99% --> -1%
		30000~40000	47~61	neutral / no effect
		40001~59999	62~92	1% --> 99%
60000~65535	93~100	full plus green		
5	13 (Hi) 14 (Lo)	0 – 65535	0 – 100	Color Change Coefficient White --> Color
6	15 (Hi) 16 (Lo)	0 – 65535	0 – 100	Adjust HUE (0~359)
7	17 (Hi) 18 (Lo)	0 – 65535	0 – 100	Adjust Saturation (0~100%)
8	19 (Hi) 20 (Lo)	65535	100	Sync

**Mode 21 : Effects, 16 bit resolution per function**

Pulsing				
Preset: Ch3: 140-149				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Frequency
2	7 (Hi) 8 (Lo)	0 – 65535	0 – 100	Span (Pulse Duration)
3	9 (Hi) 10 (Lo)	0 – 65535	0 – 100	Color Temp. (2700K~10000K)
4	11 (Hi) 12 (Lo)	Green / Magenta Adjustment		
		0~5000	0~7	neutral / no effect
		5001~10000	8~15	full minus green
		10001~29999	16~46	-99% --> -1%
		30000~40000	47~61	neutral / no effect
		40001~59999	62~92	1% --> 99%
		60000~65535	93~100	full plus green
5	13 (Hi) 14 (Lo)	0 – 65535	0 – 100	Color Change Coefficient White --> Color
6	15 (Hi) 16 (Lo)	0 – 65535	0 – 100	Adjust HUE (0~359)
7	17 (Hi) 18 (Lo)	0 – 65535	0 – 100	Adjust Saturation (0~100%)
8	19 (Hi) 20 (Lo)	65535	100	Sync

**Mode 21 : Effects, 16 bit resolution per function**

Strobe				
Preset: Ch3: 150-159				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Strobe ON
2	7 (Hi) 8 (Lo)	0 – 65535	0 – 100	Strobe OFF
3	9 (Hi) 10 (Lo)	0 – 65535	0 – 100	Color Temp. (2700K~10000K)
4	11 (Hi) 12 (Lo)	Green / Magenta Adjustment		
		0~5000	0~7	neutral / no effect
		5001~10000	8~15	full minus green
		10001~29999	16~46	-99% --> -1%
		30000~40000	47~61	neutral / no effect
		40001~59999	62~92	1% --> 99%
		60000~65535	93~100	full plus green
5	13 (Hi) 14 (Lo)	0 – 65535	0 – 100	Color Change Coefficient White --> Color
6	15 (Hi) 16 (Lo)	0 – 65535	0 – 100	Adjust HUE (0~359)
7	17 (Hi) 18 (Lo)	0 – 65535	0 – 100	Adjust Saturation (0~100%)
8	19 (Hi) 20 (Lo)	65535	100	Sync

TV				
Preset: Ch3: 160-169				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Speed
2	7 (Hi) 8 (Lo)	Color Temperature		
		0 – 21804	0 – 33	Warm
		21805 – 43520	34 – 66	Neutral
		43521 – 65535	67 – 100	Cold

**Mode 21 : Effects, 16 bit resolution per function**

Welding				
Preset: Ch3: 170-179				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Speed
2	7 (Hi) 8 (Lo)	0 – 65535	0 – 100	Min Intensity Level
3	9 (Hi) 10 (Lo)	0 – 65535	0 – 100	Color Temp. (2700K~10000K)
4	11 (Hi) 12 (Lo)	Green / Magenta Adjustment		
		0~5000	0~7	neutral / no effect
		5001~10000	8~15	full minus green
		10001~29999	16~46	-99% --> -1%
		30000~40000	47~61	neutral / no effect
		40001~59999	62~92	1% --> 99%
		60000~65535	93~100	full plus green
5	13 (Hi) 14 (Lo)	0 – 65535	0 – 100	Color Change Coefficient White --> Color
6	15 (Hi) 16 (Lo)	0 – 65535	0 – 100	Adjust HUE (0~359)
7	17 (Hi) 18 (Lo)	0 – 65535	0 – 100	Adjust Saturation (0~100%)

Rotate				
Preset: Ch3: 180-189				
Para.	DMX Channel	Value 16 bit	Percent	Function
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Speed
2	7 (Hi) 8 (Lo)	Direction		
		0 - 32767	0 – 50	From Right to Left
		32768 - 65535	51 – 100	From Left to Right
3	9 (Hi) 10 (Lo)	Color Combination		
		0 - 3276	0 – 4	Random
		3277 - 6553	5 – 9	Red
		6554 - 9830	10 – 14	Orange
		9831 - 13106	15 – 19	Yellow
		13107 - 16383	20 - 24	Green
		16384 - 19660	25 - 29	Blue
		19661 - 22937	30 - 34	Purple
		22938 - 26214	35 - 39	2800K, G/M=0
		26215 - 29490	40 - 44	3200K, G/M=0
		29491 - 32767	45 - 49	4000K, G/M=0
		32768 - 36044	50 - 54	5600K, G/M=0
		36045 - 39321	55- 59	6500K, G/M=0
39322 - 65535	60 - 100	Reserved		
4	11 (Hi) 12 (Lo)	65535	100	Sync



**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 22 : 8-bit functional setting of Wall Control CCT/HSI**

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2700K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	Adjust HUE (0~359)
6	0 – 255	0 – 100	Adjust Saturation (0~100%)
7	Strobe Frequency (Light Off Time while activated Strobe)		
	0 - 26	0 - 10	No Effect (Always On, No strobe) (If set in this region, Duration and Pause settings will not be considered because they are always on)
	27 - 255	11 - 255	50ms - 5 Sec
8	0 - 255	0 - 100	Duration Time (Light On Time while Strobing) 50ms - 5 Sec
9	Pause		
	0 - 26	0 - 10	0, No Pause
	27 - 255	11 - 100	50ms - 5 Sec
10	Light Source Strobe Type		
	0 – 127	0 – 50	LED Type
	128 – 255	51 – 100	Par 64 Lamp Type

11	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Turn Off	
12~14		Reserved for future use	

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 23 : 8-bit functional setting of Individual Control CCT/HSI**

DMX Channel	Value	Percent	Function
1	Max. Intensity for Lamphead1		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2800K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	Adjust HUE (0~359)
6	0 – 255	0 – 100	Adjust Saturation (0~100%)
7	0 - 26	0 - 10	Lamphead1: Strobe Frequency (Light Off Time while No Effect (Always On, No strobe) (If set in this region, Duration and Pause settings will not be considered because they are always on)
	27 - 255	11 - 255	50ms - 5 Sec
8	0 - 255	0 - 100	Lamphead1: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
9	Lamphead1: Pause		
	0 - 26	0 - 10	0, No Pause
	27 - 255	11 - 100	50ms - 5 Sec
10	Light Source Strobe Type		
	0 – 127	0 – 50	LED Type
	128 – 255	51 – 100	Par 64 Lamp Type

11	Max. Intensity for Lamphead2		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
12	0 – 255	0 – 100	Color Temp. (2800K~10000K)
13	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
14	0 – 255	0 – 100	Color Change Coefficient White --> Color
15	0 – 255	0 – 100	Adjust HUE (0~359)
16	0 – 255	0 – 100	Adjust Saturation (0~100%)
17	0 - 26	0 - 10	Lamphead2: Strobe Frequency (Light Off Time while No Effect (Always On, No strobe) (If set in this region, Duration and Pause settings will not be considered because they are always on)
	27 - 255	11 - 255	50ms - 5 Sec
18	0 - 255	0 - 100	Lamphead2: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
19	0 - 26	0 - 10	Lamphead2: Pause 0, No Pause
	27 - 255	11 - 100	50ms - 5 Sec
20	Light Source Strobe Type		
	0 – 127	0 – 50	LED Type
	128 – 255	51 – 100	Par 64 Lamp Type

21	Max. Intensity for Lamphead3		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
22	0 – 255	0 – 100	Color Temp. (2800K~10000K)
23	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
24	0 – 255	0 – 100	Color Change Coefficient White --> Color
25	0 – 255	0 – 100	Adjust HUE (0~359)
26	0 – 255	0 – 100	Adjust Saturation (0~100%)
27	0 - 26	0 - 10	Lamphead3: Strobe Frequency (Light Off Time while No Effect (Always On, No strobe) (If set in this region, Duration and Pause settings will not be considered because they are always on)
	27 - 255	11 - 255	50ms - 5 Sec
28	0 - 255	0 - 100	Lamphead3: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
29	0 - 26	0 - 10	Lamphead3: Pause 0, No Pause
	27 - 255	11 - 100	50ms - 5 Sec
30	Light Source Strobe Type		
	0 – 127	0 – 50	LED Type
	128 – 255	51 – 100	Par 64 Lamp Type

31	Max. Intensity for Lamphead 4		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
32	0 – 255	0 – 100	Color Temp. (2800K~10000K)
33	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
34	0 – 255	0 – 100	Color Change Coefficient White --> Color
35	0 – 255	0 – 100	Adjust HUE (0~359)
36	0 – 255	0 – 100	Adjust Saturation (0~100%)
37	0 - 26	0 - 10	Lamphead 4: Strobe Frequency (Light Off Time while No Effect (Always On, No strobe) (If set in this region, Duration and Pause settings will not be considered because they are always on)
	27 - 255	11 - 255	50ms - 5 Sec
38	0 - 255	0 - 100	Lamphead 4: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
39	0 - 26	0 - 10	Lamphead 4: Pause 0, No Pause
	27 - 255	11 - 100	50ms - 5 Sec
40	Light Source Strobe Type		
	0 – 127	0 – 50	LED Type
	128 – 255	51 – 100	Par 64 Lamp Type

41	Max. Intensity for Lamphead 5		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
42	0 – 255	0 – 100	Color Temp. (2800K~10000K)
43	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
44	0 – 255	0 – 100	Color Change Coefficient White --> Color
45	0 – 255	0 – 100	Adjust HUE (0~359)
46	0 – 255	0 – 100	Adjust Saturation (0~100%)
47	0 - 26	0 - 10	Lamphead 5: Strobe Frequency (Light Off Time while No Effect (Always On, No strobe) (If set in this region, Duration and Pause settings will not be considered because they are always on)
	27 - 255	11 - 255	50ms - 5 Sec
48	0 - 255	0 - 100	Lamphead 5: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
49	0 - 26	0 - 10	Lamphead 5: Pause 0, No Pause
	27 - 255	11 - 100	50ms - 5 Sec
50	Light Source Strobe Type		
	0 – 127	0 – 50	LED Type
	128 – 255	51 – 100	Par 64 Lamp Type

51	Max. Intensity for Lamphead 6		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
52	0 – 255	0 – 100	Color Temp. (2800K~10000K)
53	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
54	0 – 255	0 – 100	Color Change Coefficient White --> Color
55	0 – 255	0 – 100	Adjust HUE (0~359)
56	0 – 255	0 – 100	Adjust Saturation (0~100%)
57	0 - 26	0 - 10	Lamphead 6: Strobe Frequency (Light Off Time while No Effect (Always On, No strobe) (If set in this region, Duration and Pause settings will not be considered because they are always on)
	27 - 255	11 - 255	50ms - 5 Sec
58	0 - 255	0 - 100	Lamphead 6: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
59	0 - 26	0 - 10	Lamphead 6: Pause 0, No Pause
	27 - 255	11 - 100	50ms - 5 Sec
60	Light Source Strobe Type		
	0 – 127	0 – 50	LED Type
	128 – 255	51 – 100	Par 64 Lamp Type
61	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Turn Off	
62~64			Reserved for future use



**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 24 : 8-bit functional setting of Professional Individual Control CCT/RGBW**

DMX Channel	Value	Percent	Function
1	Max. Intensity for Lamphead 1		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2800K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	Adjust Red Color intensity
6	0 – 255	0 – 100	Adjust Green Color intensity
7	0 – 255	0 – 100	Adjust Blue Color intensity
8	0 – 255	0 – 100	Adjust White Color intensity

9	Max. Intensity for Lamphead 2		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
10	0 – 255	0 – 100	Color Temp. (2800K~10000K)
11	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
12	0 – 255	0 – 100	Color Change Coefficient White --> Color
13	0 – 255	0 – 100	Adjust Red Color intensity
14	0 – 255	0 – 100	Adjust Green Color intensity
15	0 – 255	0 – 100	Adjust Blue Color intensity
16	0 – 255	0 – 100	Adjust White Color intensity

17	Max. Intensity for Lamphead 3		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
18	0 – 255	0 – 100	Color Temp. (2800K~10000K)
19	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
20	0 – 255	0 – 100	Color Change Coefficient White --> Color
21	0 – 255	0 – 100	Adjust Red Color intensity
22	0 – 255	0 – 100	Adjust Green Color intensity
23	0 – 255	0 – 100	Adjust Blue Color intensity
24	0 – 255	0 – 100	Adjust White Color intensity

25	Max. Intensity for Lamphead 4		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
26	0 – 255	0 – 100	Color Temp. (2800K~10000K)
27	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
28	0 – 255	0 – 100	Color Change Coefficient White --> Color
29	0 – 255	0 – 100	Adjust Red Color intensity
30	0 – 255	0 – 100	Adjust Green Color intensity
31	0 – 255	0 – 100	Adjust Blue Color intensity
32	0 – 255	0 – 100	Adjust White Color intensity

33	Max. Intensity for Lamphead 5		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
34	0 – 255	0 – 100	Color Temp. (2800K~10000K)
35	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
36	0 – 255	0 – 100	Color Change Coefficient White --> Color
37	0 – 255	0 – 100	Adjust Red Color intensity
38	0 – 255	0 – 100	Adjust Green Color intensity
39	0 – 255	0 – 100	Adjust Blue Color intensity
40	0 – 255	0 – 100	Adjust White Color intensity

41	Max. Intensity for Lamphed 6		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
42	0 – 255	0 – 100	Color Temp. (2800K~10000K)
43	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
44	0 – 255	0 – 100	Color Change Coefficient White --> Color
45	0 – 255	0 – 100	Adjust Red Color intensity
46	0 – 255	0 – 100	Adjust Green Color intensity
47	0 – 255	0 – 100	Adjust Blue Color intensity
48	0 – 255	0 – 100	Adjust White Color intensity
49	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
226 - 249	89 – 97	Full Speed but Limited Output 40%	
	250 – 255	98 – 100	Turn Off
50~52			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 25 : 16-bit functional setting of Professional Individual Control CCT/RGBW**

DMX Channel	Value	Percent	Function
1 (Hi)	Max. Intensity for Lamphead 1		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	Color Temp.		
4 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
5 (Hi)	Green / Magenta Adjustment		
6 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
7 (Hi)	Color Change Coefficient		
8 (Lo)	0 – 65535	0 – 100	White --> Color
9 (Hi)	Adjust Red Color intensity		
10 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
11 (Hi)	Adjust Green Color intensity		
12 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
13 (Hi)	Adjust Blue Color intensity		
14 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
15 (Hi)	Adjust White Color intensity		
16 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)

17 (Hi)	Max. Intensity for Lamphead 2		
18 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
19 (Hi)	Color Temp.		
20 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
21 (Hi)	Green / Magenta Adjustment		
22 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
23 (Hi)	Color Change Coefficient		
24 (Lo)	0 – 65535	0 – 100	White --> Color
25 (Hi)	Adjust Red Color intensity		
26 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
27 (Hi)	Adjust Green Color intensity		
28 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
29 (Hi)	Adjust Blue Color intensity		
30 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
31 (Hi)	Adjust White Color intensity		
32 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)



33 (Hi)	Max. Intensity for Lamphead 3		
34 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
35 (Hi)	Color Temp.		
36 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
37 (Hi)	Green / Magenta Adjustment		
38 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
39 (Hi)	Color Change Coefficient		
40 (Lo)	0 – 65535	0 – 100	White --> Color
41 (Hi)	Adjust Red Color intensity		
42 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
43 (Hi)	Adjust Green Color intensity		
44 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
45 (Hi)	Adjust Blue Color intensity		
46 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
47 (Hi)	Adjust White Color intensity		
48 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)

49 (Hi)	Max. Intensity for Lamphead 4		
50 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
51 (Hi)	Color Temp.		
52 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
53 (Hi)	Green / Magenta Adjustment		
54 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
55 (Hi)	Color Change Coefficient		
56 (Lo)	0 – 65535	0 – 100	White --> Color
57 (Hi)	Adjust Red Color intensity		
58 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
59 (Hi)	Adjust Green Color intensity		
60 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
61 (Hi)	Adjust Blue Color intensity		
62 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
63 (Hi)	Adjust White Color intensity		
64 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)

65 (Hi)	Max. Intensity for Lamphead 5		
66 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
67 (Hi)	Color Temp.		
68 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
69 (Hi)	Green / Magenta Adjustment		
70 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
71 (Hi)	Color Change Coefficient		
72 (Lo)	0 – 65535	0 – 100	White --> Color
73 (Hi)	Adjust Red Color intensity		
74 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
75 (Hi)	Adjust Green Color intensity		
76 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
77 (Hi)	Adjust Blue Color intensity		
78 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
79 (Hi)	Adjust White Color intensity		
80 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)

81 (Hi)	Max. Intensity for Lamphed 6		
82 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
83 (Hi)	Color Temp.		
84 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
85 (Hi)	Green / Magenta Adjustment		
86 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
87 (Hi)	Color Change Coefficient		
88 (Lo)	0 – 65535	0 – 100	White --> Color
89 (Hi)	Adjust Red Color intensity		
90 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
91 (Hi)	Adjust Green Color intensity		
92 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
93 (Hi)	Adjust Blue Color intensity		
94 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
95 (Hi)	Adjust White Color intensity		
96 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
97	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	AutoMode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Turn Off
98~100			Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

DMX Channel	Value	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2 - 48	0 – 255	0 – 100	Color Parameter #1 ~ #47
49	Mode Selection		
	0 - 12	0 - 4	#1 CCT
	13 - 25	5 - 9	#2 HSI
	26 - 38	10 - 14	#3 RGBW
	39 - 50	15 - 19	#4 x y Coordinate Mode
	51 - 61	20 - 24	#5 CCT / HSI
	62 - 76	25 - 29	#6 CCT / RGBW
	77 - 89	30 - 34	#7 CCT / x y Coordinate Mode
	90 - 101	35 - 39	#8 GEL
	102 - 114	40 - 44	#9 Effect
	115 - 127	45 - 49	Reserved for future use
	128 - 140	50 - 54	
	141 - 152	55 - 59	#10 Individual Control CCT / HSI
	153 - 165	60 - 65	Reserved for future use
	166 - 178	65 - 69	
	179 - 191	70 - 74	#11 Individual Control CCT / RGBW
192 - 203	75 - 79	Reserved for future use	
204 - 216	80 - 84		
217 - 229	85 - 89	#12 Individual Control CCT / xy Coordinate	
230 - 255	90 - 100	Reserved for future use	
50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

#1 CCT Mode			
DMX Channel	Value 8 bit	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2700K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
49	Mode Selection		
	0 – 12	0 – 4	#1 CCT
50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

#2 HSI Mode			
DMX Channel	Value 8 bit	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Adjust HUE (0~359)
3	0 – 255	0 – 100	Adjust Saturation (0~100%)
49	Mode Selection		
	13 – 25	5 – 9	#2 H S I
50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

#3 RGBW Mode			
DMX Channel	Value 8 bit	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Adjust Red Color intensity
3	0 – 255	0 – 100	Adjust Green Color intensity
4	0 – 255	0 – 100	Adjust Blue Color intensity
5	0 – 255	0 – 100	Adjust White Color intensity
49	Mode Selection		
	26 - 38	10 - 14	#3 RGBW
50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	



**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

#4 x y Coordinate Mode			
DMX Channel	Value 8 bit	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	x Coordinate (0.0 – 0.8)
3	0 – 255	0 – 100	y Coordinate (0.0 – 0,8)
49	Mode Selection		
	39 – 50	15 - 19	#4 x y Coordinate Mode
50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	

## Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function

#5 CCT/ HSI Mode			
DMX Channel	Value 8 bit	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2700K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	Adjust HUE (0~359)
6	0 – 255	0 – 100	Adjust Saturation (0~100%)
49	Mode Selection		
	51 - 63	20 - 24	#5 CCT / HSI
50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

## Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function

#6 CCT / RGBW Mode			
DMX Channel	Value 8 bit	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2700K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	Adjust Red Color intensity
6	0 – 255	0 – 100	Adjust Green Color intensity
7	0 – 255	0 – 100	Adjust Blue Color intensity
8	0 – 255	0 – 100	Adjust White Color intensity
49	Mode Selection		
	64 - 76	25 - 29	#6 CCT / RGBW
50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

#7 CCT/ xy Coordinate Mode			
DMX Channel	Value 8 bit	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2700K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	x Coordinate (0.0 – 0.8)
6	0 – 255	0 – 100	y Coordinate (0.0 – 0,8)
49	Mode Selection		
	77 - 89	30 - 34	#7 CCT / x y Coordinate Mode
50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

#8 Gel Mode			
DMX Channel	Value 8 bit	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	CCT Selection		
	0 – 127	0 – 50	3.200 K
	128 – 255	51 – 100	5.600 K
3	Filter Class		
	0 – 12	0 – 4	CTB under Color Correction
	13 – 25	5 – 9	CTO under Color Correction
	26 – 38	10 – 14	CTS under Color Correction
	39 – 50	15 – 19	+/- Green under Color Correction
	51 – 61	20 – 24	Misc under Color Correction
	62 – 127	25 – 49	Reserved
	128 – 140	50 – 54	Red under Color Filter
	141 – 152	55 – 59	Orange under Color Filter
	153 – 165	60 – 64	Yellow under Color Filter
	166 – 178	65 – 69	Green under Color Filter
	179 – 191	70 – 74	Blue under Color Filter
	192 – 203	75 – 79	Purple under Color Filter
	204 – 255	80 – 100	Reserved
4	0 – 255	0 – 100	Filter Code (Please refer Mode 16 for detail filter code)
49	Mode Selection		
	90 - 101	35 - 39	#8 GEL
50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

## Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function

#9 Effect Mode			
DMX Channel	Value 8 bit	Percent	Function
1	Master Intensity		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	Effect Selection		
	0 – 9	0 – 4	No Effect
	10 – 19	5 – 7	Party
	20 – 29	8 – 11	Candle
	30 – 39	12 – 15	Clouds Passing
	40 – 49	16 – 19	Club
	50 – 59	20 – 23	Color Chase
	60 – 69	24 – 27	Explosion
	70 – 79	28 – 31	Fire
	80 – 89	32 – 35	Fireworks
	90 – 99	36 – 39	Flu.Flicker
	100 – 109	40 – 43	Lightning
	110 – 119	44 – 47	Paparazzi
	120 – 129	48 – 51	Police Car
	130 – 139	52 – 55	Process
	140 – 149	56 – 58	Pulsing
	150 – 159	59 – 62	Strobe
	160 – 169	63 – 66	TV
170 – 179	67 – 70	Welding	
180 – 189	71 – 74	Rotate	
190 - 255	75 - 100	Reserved for future use (No Effect)	
3	0 – 255	0 – 100	Effect Parameter 1 (Please refer Mode 20 for detail setting)
4	0 – 255	0 – 100	Effect Parameter 2 (Please refer Mode 20 for detail setting)
5	0 – 255	0 – 100	Effect Parameter 3 (Please refer Mode 20 for detail setting)
6	0 – 255	0 – 100	Effect Parameter 4 (Please refer Mode 20 for detail setting)
7	0 – 255	0 – 100	Effect Parameter 5 (Please refer Mode 20 for detail setting)
8	0 – 255	0 – 100	Effect Parameter 6 (Please refer Mode 20 for detail setting)
9	0 – 255	0 – 100	Effect Parameter 7 (Please refer Mode 20 for detail setting)
10	0 – 255	0 – 100	Effect Parameter 8 (Please refer Mode 20 for detail setting)
11	0 – 255	0 – 100	Effect Parameter 9 (Please refer Mode 20 for detail setting)
49	Mode Selection		
	102 - 114	40 - 44	#9 Effect

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

#10 Individual Control CCT / HSI			
DMX Channel	Value 8 bit	Percent	Function
1	Max. Intensity for Lamphead 1		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2800K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	Adjust HUE (0~359)
6	0 – 255	0 – 100	Adjust Saturation (0~100%)
7	Max. Intensity for Lamphead 2		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
8	0 – 255	0 – 100	Color Temp. (2800K~10000K)
9	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
10	0 – 255	0 – 100	Color Change Coefficient White --> Color
11	0 – 255	0 – 100	Adjust HUE (0~359)
12	0 – 255	0 – 100	Adjust Saturation (0~100%)



Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function

13	Max. Intensity for Lamphead 3		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
14	0 – 255	0 – 100	Color Temp. (2800K~10000K)
15	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
16	0 – 255	0 – 100	Color Change Coefficient White --> Color
17	0 – 255	0 – 100	Adjust HUE (0~359)
18	0 – 255	0 – 100	Adjust Saturation (0~100%)
19	Max. Intensity for Lamphead 4		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
20	0 – 255	0 – 100	Color Temp. (2800K~10000K)
21	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
22	0 – 255	0 – 100	Color Change Coefficient White --> Color
23	0 – 255	0 – 100	Adjust HUE (0~359)
24	0 – 255	0 – 100	Adjust Saturation (0~100%)

Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function

25	Max. Intensity for Lamphead 5		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
26	0 – 255	0 – 100	Color Temp. (2800K~10000K)
27	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
28	0 – 255	0 – 100	Color Change Coefficient White --> Color
29	0 – 255	0 – 100	Adjust HUE (0~359)
30	0 – 255	0 – 100	Adjust Saturation (0~100%)
31	Max. Intensity for Lamphead 6		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
32	0 – 255	0 – 100	Color Temp. (2800K~10000K)
33	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
34	0 – 255	0 – 100	Color Change Coefficient White --> Color
35	0 – 255	0 – 100	Adjust HUE (0~359)
36	0 – 255	0 – 100	Adjust Saturation (0~100%)
49	Mode Selection		
	141 - 152	55- 59	#12 Individual Control CCT / HSI

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

#11 Individual Control CCT / RGBW			
DMX Channel	Value 8 bit	Percent	Function
1			Max. Intensity for Lamphead 1
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2800K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	Adjust Red Color intensity
6	0 – 255	0 – 100	Adjust Green Color intensity
7	0 – 255	0 – 100	Adjust Blue Color intensity
8	0 – 255	0 – 100	Adjust White Color intensity

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

9	Max. Intensity for Lamphead 2		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
10	0 – 255	0 – 100	Color Temp. (2800K~10000K)
11	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
12	0 – 255	0 – 100	Color Change Coefficient White --> Color
13	0 – 255	0 – 100	Adjust Red Color intensity
14	0 – 255	0 – 100	Adjust Green Color intensity
15	0 – 255	0 – 100	Adjust Blue Color intensity
16	0 – 255	0 – 100	Adjust White Color intensity

Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function

17	Max. Intensity for Lamphead 3		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
18	0 – 255	0 – 100	Color Temp. (2800K~10000K)
19	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
20	0 – 255	0 – 100	Color Change Coefficient White --> Color
21	0 – 255	0 – 100	Adjust Red Color intensity
22	0 – 255	0 – 100	Adjust Green Color intensity
23	0 – 255	0 – 100	Adjust Blue Color intensity
24	0 – 255	0 – 100	Adjust White Color intensity

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

25	Max. Intensity for Lamphead 4		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
26	0 – 255	0 – 100	Color Temp. (2800K~10000K)
27	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
28	0 – 255	0 – 100	Color Change Coefficient White --> Color
29	0 – 255	0 – 100	Adjust Red Color intensity
30	0 – 255	0 – 100	Adjust Green Color intensity
31	0 – 255	0 – 100	Adjust Blue Color intensity
32	0 – 255	0 – 100	Adjust White Color intensity

Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function

33	Max. Intensity for Lamphead 5		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
34	0 – 255	0 – 100	Color Temp. (2800K~10000K)
35	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
36	0 – 255	0 – 100	Color Change Coefficient White --> Color
37	0 – 255	0 – 100	Adjust Red Color intensity
38	0 – 255	0 – 100	Adjust Green Color intensity
39	0 – 255	0 – 100	Adjust Blue Color intensity
40	0 – 255	0 – 100	Adjust White Color intensity



**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

41	Max. Intensity for Lamphead 6		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
42	0 – 255	0 – 100	Color Temp. (2800K~10000K)
43	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
44	0 – 255	0 – 100	Color Change Coefficient White --> Color
45	0 – 255	0 – 100	Adjust Red Color intensity
46	0 – 255	0 – 100	Adjust Green Color intensity
47	0 – 255	0 – 100	Adjust Blue Color intensity
48	0 – 255	0 – 100	Adjust White Color intensity
49	Mode Selection		
	179 - 191	70 - 74	#15 Individual Control CCT / RGBW
50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

#12 Individual Control CCT / xy Coordinate			
DMX Channel	Value 8 bit	Percent	Function
1			Max. Intensity for Lamphead 1
	0 – 255	0 – 100	0 % (closed) → 100% (open)
2	0 – 255	0 – 100	Color Temp. (2800K~10000K)
3	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
4	0 – 255	0 – 100	Color Change Coefficient White --> Color
5	0 – 255	0 – 100	X Coordinate (0.0 – 0.8)
6	0 – 255	0 – 100	Y Coordinate (0.0 – 0,8)
7			Max. Intensity for Lamphead 2
	0 – 255	0 – 100	0 % (closed) → 100% (open)
8	0 – 255	0 – 100	Color Temp. (2800K~10000K)
9	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
10	0 – 255	0 – 100	Color Change Coefficient White --> Color
11	0 – 255	0 – 100	X Coordinate (0.0 – 0.8)
12	0 – 255	0 – 100	Y Coordinate (0.0 – 0,8)

Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function

13	Max. Intensity for Lamphead 3		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
14	0 – 255	0 – 100	Color Temp. (2800K~10000K)
15	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
16	0 – 255	0 – 100	Color Change Coefficient White --> Color
17	0 – 255	0 – 100	X Coordinate (0.0 – 0.8)
18	0 – 255	0 – 100	Y Coordinate (0.0 – 0,8)
19	Max. Intensity for Lamphead 4		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
20	0 – 255	0 – 100	Color Temp. (2800K~10000K)
21	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
22	0 – 255	0 – 100	Color Change Coefficient White --> Color
23	0 – 255	0 – 100	X Coordinate (0.0 – 0.8)
24	0 – 255	0 – 100	Y Coordinate (0.0 – 0,8)

Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function

25	Max. Intensity for Lamphead 5		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
26	0 – 255	0 – 100	Color Temp. (2800K~10000K)
27	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
28	0 – 255	0 – 100	Color Change Coefficient White --> Color
29	0 – 255	0 – 100	X Coordinate (0.0 – 0.8)
30	0 – 255	0 – 100	Y Coordinate (0.0 – 0,8)
31	Max. Intensity for Lamphead 6		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
32	0 – 255	0 – 100	Color Temp. (2800K~10000K)
33	Green / Magenta Adjustment		
	0~10	0~4	neutral / no effect
	11~20	5~8	full minus green
	21~119	9~46	-99% --> -1%
	120~145	47~57	neutral / no effect
	146~244	58~96	1% --> 99%
	245~255	97~100	full plus green
34	0 – 255	0 – 100	Color Change Coefficient White --> Color
35	0 – 255	0 – 100	X Coordinate (0.0 – 0.8)
36	0 – 255	0 – 100	Y Coordinate (0.0 – 0,8)
49	Mode Selection		
	217 - 229	85 - 89	#18 Individual Control CCT / xy Coordinate

**Mode 26 :Ultimate DMX Protocol, 8 bit resolution per function**

50	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

**Filmgear LED Lights DMX Chart for 6 RND Pixels**

V0.6.0 or +

Manufacture ID: 0x4142

Model ID: SP1100C (V2) 0x1303

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

DMX Channel	Value	Percent	Function
1 (Hi)			Master Intensity
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)

3 - 96	0 – 65535	0 – 100	Color Parameter #1 - 47
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97	Mode Selection		
	0 - 12	0 - 4	#1 CCT
	13 - 25	5 - 9	#2 HSI
	26 - 38	10 - 14	#3 RGBW
	39 - 50	15 - 19	#4 x y Coordinate Mode
	51 - 61	20 - 24	#5 CCT / HSI
	62 - 76	25 - 29	#6 CCT / RGBW
	77 - 89	30 - 34	#7 CCT / x y Coordinate Mode
	90 - 101	35 - 39	#8 GEL
	102 - 114	40 - 44	#9 Effect
	115 - 127	45 - 49	Reserved for future use
	128 - 140	50 - 54	
	141 - 152	55 - 59	#10 Individual Control CCT / HSI
	153 - 165	60 - 65	Reserved for future use
	166 - 178	65 - 69	
	179 - 191	70 - 74	#11 Individual Control CCT / RGBW
192 - 203	75 - 79	Reserved for future use	
204 - 216	80 - 84		
217 - 229	85 - 89	#12 Individual Control CCT / xy Coordinate	
230 - 255	90 - 100	Reserved for future use	

98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

#1 CCT Mode			
DMX Channel	Value 8/16 bit	Percent	Function
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	0 –65535	0 – 100	Color Temp. (2700K~10000K)
4 (Lo)			
5 (Hi)	Green / Magenta Adjustment		
6 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
97	0 – 12	Mode Selection	
		0 – 4	#1 CCT
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

#2 HSI Mode			
DMX Channel	Value 8/16 bit	Percent	Function
1 (Hi)			Master Intensity
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	0 –65535	0 – 100	Adjust HUE (0~359)
4 (Lo)			
5 (Hi)	0 –65535	0 – 100	Adjust Saturation (0~100%)
6 (Lo)			
97	Mode Selection		
	13 – 25	5 – 9	#2 H S I
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use



**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

#3 RGBW Mode			
DMX Channel	Value 8/16 bit	Percent	Function
1 (Hi)			Master Intensity
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	0 –65535	0 – 100	Adjust Red Color intensity
4 (Lo)			
5 (Hi)	0 –65535	0 – 100	Adjust Green Color intensity
6 (Lo)			
7 (Hi)	0 –65535	0 – 100	Adjust Blue Color intensity
8 (Lo)			
9 (Hi)	0 –65535	0 – 100	Adjust White Color intensity
10 (Lo)			
97	Mode Selection		
	26 - 38	10 - 14	#3 RGBW
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

#4 x y Coordinate Mode			
DMX Channel	Value 8/16 bit	Percent	Function
1 (Hi)			Master Intensity
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	0 –65535	0 – 100	x Coordinate (0.0 – 0.8)
4 (Lo)			
5 (Hi)	0 –65535	0 – 100	y Coordinate (0.0 – 0,8)
6 (Lo)			
97	Mode Selection		
	39 – 50	15 - 19	#4 x y Coordinate Mode
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

#5 CCT/ HSI Mode			
DMX Channel	Value 8/16 bit	Percent	Function
1 (Hi)	Master Intensity		
2 (Lo)			
3 (Hi)	0 –65535	0 – 100	Color Temp. (2700K~10000K)
4 (Lo)			
5 (Hi)	Green / Magenta Adjustment		
6 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
7 (Hi)	0 –65535	0 – 100	Color Change Coefficient White --> Color
8 (Lo)			
9 (Hi)	0 –65535	0 – 100	Adjust HUE (0~359)
10 (Lo)			
11 (Hi)	0 –65535	0 – 100	Adjust Saturation (0~100%)
12 (Lo)			
97	Mode Selection		
	51 - 63	20 - 24	#5 CCT / HSI
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

#6 CCT / RGBW Mode			
DMX Channel	Value 8/16 bit	Percent	Function
1 (Hi)			Master Intensity
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	0 –65535	0 – 100	Color Temp. (2700K~10000K)
4 (Lo)			
5 (Hi)	Green / Magenta Adjustment		
6 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
7 (Hi)	0 –65535	0 – 100	Color Change Coefficient White --> Color
8 (Lo)			
9 (Hi)	0 –65535	0 – 100	Adjust Red Color intensity
10 (Lo)			
11 (Hi)	0 –65535	0 – 100	Adjust Green Color intensity
12 (Lo)			
13 (Hi)	0 –65535	0 – 100	Adjust Blue Color intensity
14 (Lo)			
15 (Hi)	0 –65535	0 – 100	Adjust White Color intensity
16 (Lo)			
97	Mode Selection		
	64 - 76	25 - 29	#6 CCT / RGBW
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

#7 CCT/ xy Coordinate Mode			
DMX Channel	Value 8/16 bit	Percent	Function
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	0 –65535	0 – 100	Color Temp. (2700K~10000K)
4 (Lo)			
5 (Hi)	Green / Magenta Adjustment		
6 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
7 (Hi)	0 –65535	0 – 100	Color Change Coefficient White --> Color
8 (Lo)			
9 (Hi)	0 –65535	0 – 100	x Coordinate (0.0 – 0.8)
10 (Lo)			
11 (Hi)	0 –65535	0 – 100	y Coordinate (0.0 – 0,8)
12 (Lo)			
97	Mode Selection		
	77 - 89	30 - 34	#7 CCT / x y Coordinate Mode
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	

## Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function

#8 Gel Mode			
DMX Channel	Value 8/16 bit	Percent	Function
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3	CCT Selection		
	0 – 127	0 – 50	3.200 K
	128 – 255	51 – 100	5.600 K
4	Filter Class		
	0 – 12	0 – 4	CTB under Color Correction
	13 – 25	5 – 9	CTO under Color Correction
	26 – 38	10 – 14	CTS under Color Correction
	39 – 50	15 – 19	+/- Green under Color Correction
	51 – 61	20 – 24	Misc under Color Correction
	62 – 127	25 – 49	Reserved
	128 – 140	50 – 54	Red under Color Filter
	141 – 152	55 – 59	Orange under Color Filter
	153 – 165	60 – 64	Yellow under Color Filter
	166 – 178	65 – 69	Green under Color Filter
	179 – 191	70 – 74	Blue under Color Filter
	192 – 203	75 – 79	Purple under Color Filter
204 – 255	80 – 100	Reserved	
5	0 – 255	0 – 100	Filter Code (Please refer Mode 17 for detail filter code)
97	Mode Selection		
	90 - 101	35 - 39	#8 GEL
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

#9 Effect Mode			
DMX Channel	Value 8/16 bit	Percent	Function
1 (Hi)			Master Intensity
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3	Effect Selection		
	0 – 9	0 – 4	No Effect
	10 – 19	5 – 7	Party
	20 – 29	8 – 11	Candle
	30 – 39	12 – 15	Clouds Passing
	40 – 49	16 – 19	Club
	50 – 59	20 – 23	Color Chase
	60 – 69	24 – 27	Explosion
	70 – 79	28 – 31	Fire
	80 – 89	32 – 35	Fireworks
	90 – 99	36 – 39	Flu.Flicker
	100 – 109	40 – 43	Lightning
	110 – 119	44 – 47	Paparazzi
	120 – 129	48 – 51	Police Car
	130 – 139	52 – 55	Process
	140 – 149	56 – 58	Pulsing
	150 – 159	59 – 62	Strobe
160 – 169	63 – 66	TV	
170 – 179	67 – 70	Welding	
180 – 189	71 – 74	Rotate	
190 - 255	75 - 100	Reserved for future use (No Effect)	
4			Reserved for future use

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

5 (Hi)	Effect Parameter #1		
6 (Lo)	0 – 65535	0 – 100	Para#1 (Please refer Mode 21 for detail setting)
7 (Hi)	Effect Parameter #2		
8 (Lo)	0 – 65535	0 – 100	Para #2 (Please refer Mode 21 for detail setting)
9 (Hi)	Effect Parameter #3		
10 (Lo)	0 – 65535	0 – 100	Para #3 (Please refer Mode 21 for detail setting)
11 (Hi)	Effect Parameter #4		
12 (Lo)	0 – 65535	0 – 100	Para #4 (Please refer Mode 21 for detail setting)
13 (Hi)	Effect Parameter #5		
14 (Lo)	0 – 65535	0 – 100	Para #5 (Please refer Mode 21 for detail setting)
15 (Hi)	Effect Parameter #6		
16 (Lo)	0 – 65535	0 – 100	Para #6 (Please refer Mode 21 for detail setting)
17 (Hi)	Effect Parameter #7		
18 (Lo)	0 – 65535	0 – 100	Para #7 (Please refer Mode 21 for detail setting)
19 (Hi)	Effect Parameter #8		
20 (Lo)	0 – 65535	0 – 100	Para #8 (Please refer Mode 21 for detail setting)
21 (Hi)	Effect Parameter #9		
22 (Lo)	0 – 65535	0 – 100	Para #9 (Please refer Mode 21 for detail setting)
97	Mode Selection		
	102 - 114	40 - 44	#9 Effect
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
250 – 255	98 – 100	Reserved for future use	



**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

#10 Individual Control CCT / HSI			
DMX Channel	Value	Percent	Function
1 (Hi)	Max. Intensity for Lamphead 1		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	Color Temp.		
4 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
5 (Hi)	Green / Magenta Adjustment		
6 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
7 (Hi)	Color Change Coefficient		
8 (Lo)	0 – 65535	0 – 100	White --> Color
9 (Hi)	Adjust HUE Degree		
10 (Lo)	0 – 65535	0 – 100	0~359 Degree
11 (Hi)	Adjust Saturation		
12 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

13 (Hi)	Max. Intensity for Lamphead 2		
14 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
15 (Hi)	Color Temp.		
16 (Lo)	0 –65535	0 – 100	(2800K~10000K)
17 (Hi)	Green / Magenta Adjustment		
18 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
19 (Hi)	Color Change Coefficient		
20 (Lo)	0 –65535	0 – 100	White --> Color
21 (Hi)	Adjust HUE Degree		
22 (Lo)	0 – 65535	0 – 100	0~359 Degree
23 (Hi)	Adjust Saturation		
24 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)
25 (Hi)	Max. Intensity for Lamphead 3		
26 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
27 (Hi)	Color Temp.		
28 (Lo)	0 –65535	0 – 100	(2800K~10000K)
29 (Hi)	Green / Magenta Adjustment		
30 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
31 (Hi)	Color Change Coefficient		
32 (Lo)	0 –65535	0 – 100	White --> Color
33 (Hi)	Adjust HUE Degree		
34 (Lo)	0 – 65535	0 – 100	0~359 Degree
35 (Hi)	Adjust Saturation		
36 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

37 (Hi)	Max. Intensity for Lamphead 4		
38 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
39 (Hi)	Color Temp.		
40 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
41 (Hi)	Green / Magenta Adjustment		
42 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
43 (Hi)	Color Change Coefficient		
44 (Lo)	0 – 65535	0 – 100	White --> Color
45 (Hi)	Adjust HUE Degree		
46 (Lo)	0 – 65535	0 – 100	0~359 Degree
47 (Hi)	Adjust Saturation		
48 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
49 (Hi)	Max. Intensity for Lamphead 5		
50 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
51 (Hi)	Color Temp.		
52 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
53 (Hi)	Green / Magenta Adjustment		
54 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
55 (Hi)	Color Change Coefficient		
56 (Lo)	0 – 65535	0 – 100	White --> Color
57 (Hi)	Adjust HUE Degree		
58 (Lo)	0 – 65535	0 – 100	0~359 Degree
59 (Hi)	Adjust Saturation		
60 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

61 (Hi)	Max. Intensity for Lamphead 6		
62 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
63 (Hi)	Color Temp.		
64 (Lo)	0 –65535	0 – 100	(2800K~10000K)
65 (Hi)	Green / Magenta Adjustment		
66 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
67 (Hi)	Color Change Coefficient		
68 (Lo)	0 –65535	0 – 100	White --> Color
69 (Hi)	Adjust HUE Degree		
70 (Lo)	0 – 65535	0 – 100	0~359 Degree
71 (Hi)	Adjust Saturation		
72 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)
97	Mode Selection		
	141 - 152	55- 59	#12 Individual Control CCT / HSI
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

**#11 Individual Control CCT / RGBW**

DMX Channel	Value	Percent	Function
1 (Hi)	Max. Intensity for Lamphead 1		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	Color Temp.		
4 (Lo)	0 –65535	0 – 100	(2800K~10000K)
5 (Hi)	Green / Magenta Adjustment		
6 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
7 (Hi)	Color Change Coefficient		
8 (Lo)	0 –65535	0 – 100	White --> Color
9 (Hi)	Adjust Red Color intensity		
10 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
11 (Hi)	Adjust Green Color intensity		
12 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)
13 (Hi)	Adjust Blue Color intensity		
14 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
15 (Hi)	Adjust White Color intensity		
16 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

17 (Hi)	Max. Intensity for Lamphead 2		
18 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
19 (Hi)	Color Temp.		
20 (Lo)	0 –65535	0 – 100	(2800K~10000K)
21 (Hi)	Green / Magenta Adjustment		
22 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
23 (Hi)	Color Change Coefficient		
24 (Lo)	0 –65535	0 – 100	White --> Color
25 (Hi)	Adjust Red Color intensity		
26 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
27 (Hi)	Adjust Green Color intensity		
28 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)
29 (Hi)	Adjust Blue Color intensity		
30 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
31 (Hi)	Adjust White Color intensity		
32 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

33 (Hi)	Max. Intensity for Lamphead 3		
34 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
35 (Hi)	Color Temp.		
36 (Lo)	0 –65535	0 – 100	(2800K~10000K)
37 (Hi)	Green / Magenta Adjustment		
38 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
39 (Hi)	Color Change Coefficient		
40 (Lo)	0 –65535	0 – 100	White --> Color
41 (Hi)	Adjust Red Color intensity		
42 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
43 (Hi)	Adjust Green Color intensity		
44 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)
45 (Hi)	Adjust Blue Color intensity		
46 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
47 (Hi)	Adjust White Color intensity		
48 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

49 (Hi)	Max. Intensity for Lamphead 4		
50 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
51 (Hi)	Color Temp.		
52 (Lo)	0 –65535	0 – 100	(2800K~10000K)
53 (Hi)	Green / Magenta Adjustment		
54 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
55 (Hi)	Color Change Coefficient		
56 (Lo)	0 –65535	0 – 100	White --> Color
57 (Hi)	Adjust Red Color intensity		
58 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
59 (Hi)	Adjust Green Color intensity		
60 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)
61 (Hi)	Adjust Blue Color intensity		
62 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
63 (Hi)	Adjust White Color intensity		
64 (Lo)	0 –65535	0 – 100	0 % (closed) → 100% (open)



**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

65 (Hi)	Max. Intensity for Lamphead 5		
66 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
67 (Hi)	Color Temp.		
68 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
69 (Hi)	Green / Magenta Adjustment		
70 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
71 (Hi)	Color Change Coefficient		
72 (Lo)	0 – 65535	0 – 100	White --> Color
73 (Hi)	Adjust Red Color intensity		
74 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
75 (Hi)	Adjust Green Color intensity		
76 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
77 (Hi)	Adjust Blue Color intensity		
78 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
79 (Hi)	Adjust White Color intensity		
80 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

81 (Hi)	Max. Intensity for Lamphead 6		
82 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
83 (Hi)	Color Temp.		
84 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
85 (Hi)	Green / Magenta Adjustment		
86 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
87 (Hi)	Color Change Coefficient		
88 (Lo)	0 – 65535	0 – 100	White --> Color
89 (Hi)	Adjust Red Color intensity		
90 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
91 (Hi)	Adjust Green Color intensity		
92 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
93 (Hi)	Adjust Blue Color intensity		
94 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
95 (Hi)	Adjust White Color intensity		
96 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
97	Mode Selection		
	179 - 191	70 - 74	#15 Individual Control CCT / RGBW
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

#12 Individual Control CCT / xy Coordinate			
DMX Channel	Value	Percent	Function
1 (Hi)	Max. Intensity for Lamphead 1		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	Color Temp.		
4 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
5 (Hi)	Green / Magenta Adjustment		
6 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
7 (Hi)	Color Change Coefficient		
8 (Lo)	0 – 65535	0 – 100	White --> Color
9 (Hi)	Adjust X Coordinate		
10 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)
11 (Hi)	Adjust Y Coordinate		
12 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

13 (Hi)	Max. Intensity for Lamphead 2		
14 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
15 (Hi)	Color Temp.		
16 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
17 (Hi)	Green / Magenta Adjustment		
18 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
19 (Hi)	Color Change Coefficient		
20 (Lo)	0 – 65535	0 – 100	White --> Color
21 (Hi)	Adjust X Coordinate		
22 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)
23 (Hi)	Adjust Y Coordinate		
24 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)
25 (Hi)	Max. Intensity for Lamphead 3		
26 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
27 (Hi)	Color Temp.		
28 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
29 (Hi)	Green / Magenta Adjustment		
30 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
31 (Hi)	Color Change Coefficient		
32 (Lo)	0 – 65535	0 – 100	White --> Color
33 (Hi)	Adjust X Coordinate		
34 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)
35 (Hi)	Adjust Y Coordinate		
36 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

37 (Hi)	Max. Intensity for Lamphead 4		
38 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
39 (Hi)	Color Temp.		
40 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
41 (Hi)	Green / Magenta Adjustment		
42 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
43 (Hi)	Color Change Coefficient		
44 (Lo)	0 – 65535	0 – 100	White --> Color
45 (Hi)	Adjust X Coordinate		
46 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)
47 (Hi)	Adjust Y Coordinate		
48 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)
49 (Hi)	Max. Intensity for Lamphead 5		
50 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
51 (Hi)	Color Temp.		
52 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
53 (Hi)	Green / Magenta Adjustment		
54 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
55 (Hi)	Color Change Coefficient		
56 (Lo)	0 – 65535	0 – 100	White --> Color
57 (Hi)	Adjust X Coordinate		
58 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)
59 (Hi)	Adjust Y Coordinate		
60 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)

**Mode 27 :Ultimate DMX Protocol, 16 bit resolution per function**

61 (Hi)	Max. Intensity for Lamphead 6		
62 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
63 (Hi)	Color Temp.		
64 (Lo)	0 – 65535	0 – 100	(2800K~10000K)
65 (Hi)	Green / Magenta Adjustment		
66 (Lo)	0~5000	0~7	neutral / no effect
	5001~10000	8~15	full minus green
	10001~29999	16~46	-99% --> -1%
	30000~40000	47~61	neutral / no effect
	40001~59999	62~92	1% --> 99%
	60000~65535	93~100	full plus green
67 (Hi)	Color Change Coefficient		
68 (Lo)	0 – 65535	0 – 100	White --> Color
69 (Hi)	Adjust X Coordinate		
70 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)
71 (Hi)	Adjust Y Coordinate		
72 (Lo)	0 – 65535	0 – 100	(0.0 – 0.8)
97	Mode Selection		
	217 - 229	85 - 89	#18 Individual Control CCT / xy Coordinate
98	Fan control		
	0 – 9	0 – 3	As Fixture Setting
	10 – 49	4 - 19	Quiet Mode
	50 – 99	20 - 39	Auto Mode
	100 - 150	40 - 59	Variable
	151 – 175	60 – 68	Full Speed
	176 - 200	69 – 78	Full Speed but Limited Output 80%
	201 - 225	79 – 88	Full Speed but Limited Output 60%
	226 - 249	89 – 97	Full Speed but Limited Output 40%
	250 – 255	98 – 100	Reserved for future use