

Manufacture Name: Film Gear Int. Ltd

Manufacture ID: 0x4142

Product Name:

Mega 1200C

Zenith 1300C

Zenith 900C / Zenith 900C Plus

Model ID:

0x2304

0x1E02

0x1E03

Version: V1.00 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 Column Control CCT/HSI  
Mode 24 : 8-bit functional setting of Row Control CCT/HSI  
Mode 25 : 8-bit functional setting of Individual Control CCT/HSI  
Mode 26 : 8-bit functional setting of Professional Column Control CCT/RGBW  
Mode 27 : 8-bit functional setting of Professional Row Control CCT/RGBW  
Mode 28 : 8-bit functional setting of Professional Individual Control CCT/RGBW  
Mode 29 : 16-bit functional setting of Professional Column Control CCT/RGBW  
Mode 30 : 16-bit functional setting of Professional Row Control CCT/RGBW  
Mode 31 : 16-bit functional setting of Professional Individual Control CCT/RGBW  
Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function  
Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	

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

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
10	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
11	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 129	32 - 50	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	130 - 149	51 - 58	Hold 3 sec. and keep to activate the Calibrate Color Mode
	150 - 255	59 – 100	Normal Mode; Turn OFF "ALL Special Mode"
12			Reserved for future use

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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	
5	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
100 – 109	40 - 43	Call Preset Slot #10	
110 - 255	44- 100	No Effect, Reserved for future use	
6	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"	
7			Reserved for future use

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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	

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

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
8	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
9	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
10			Reserved for future use

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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	
7	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
110 - 255	44- 100	No Effect, Reserved for future use	
8	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"	
9			Reserved for future use

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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	
5	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
110 - 255	44- 100	No Effect, Reserved for future use	
6	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"	
7			Reserved for future use



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)	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 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)			
Fan control			
17	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

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

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
18	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
19	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
20			Reserved for future use

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)	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
Fan control			
7	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use
Call preset function (With the highest operational priority)			
8	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
110 - 255	44- 100	No Effect, Reserved for future use	
Advance Control Mode			
9	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 – 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
10			Reserved for future use

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)			
5 (hi) 6 (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
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)			
13	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	

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

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
14	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
15	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
16			Reserved for future use

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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	
12	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
13	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"	
14			Reserved for future use

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)	0 – 65535	0 – 100	Adjust HUE (0~359)
4 (lo)			
5 (hi)	0 – 65535	0 – 100	Adjust Saturation (0~100%)
6 (lo)			
7	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	
8	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
100 – 109	40 - 43	Call Preset Slot #10	
110 - 255	44- 100	No Effect, Reserved for future use	
9	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"	
10			Reserved for future use

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%)
Fan control			
15	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use



Mode 11 : Coarse/Fine Tuning of CCT and RGBW

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
16	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
17	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
18			Reserved for future use

Mode 12 : Coarse/Fine Tuning of CCT

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
Fan control			
6	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 12 : Coarse/Fine Tuning of CCT

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
7	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
8	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
9			Reserved for future use

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	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

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

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
12	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
13	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
14			Reserved for future use

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	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 14 : Coarse/Fine Tuning of RGBW

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
12	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
13	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
14			Reserved for future use

Mode 15 : Coarse/Fine Tuning of 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 HUE			
3	0 – 255	0 – 100	Adjust HUE (0~359)
4	0 – 255	0 – 100	Fine Tune HUE (10%)
Adjust Saturation			
5	0 – 255	0 – 100	Adjust Saturation (0~100%)
6	0 – 255	0 – 100	Fine Tune Saturation (10%)
Fan control			
7	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	
Call preset function (With the highest operational priority)			
8	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
110 - 255	44- 100	No Effect, Reserved for future use	
Advance Control Mode			
9	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
10			Reserved for future use



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
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

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

DMX Channel	Value	Percent	Function
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 (A gradual transition from Color 1 to Color 2)
	168~209	66~82	Over White Point (Color 1 cross above CIE White Point to Color 2)
	210~255	83~100	Under White Point (Color 1 cross below CIE White Point to Color 2)
10	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	Silent Mode (Limite Output to 80%)
250 - 255	98 - 100	Reserved for future use	
11	Call preset function (With the highest operational priority)		
	0 - 9	0 - 3	No Effect
	10 - 19	4 - 7	Call Preset Slot #1
	20 - 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 - 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 - 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 - 89	32 - 35	Call Preset Slot #8
	90 - 99	36 - 39	Call Preset Slot #9
100 - 109	40 - 43	Call Preset Slot #10	
110 - 255	44 - 100	No Effect, Reserved for future use	
12	Advance Control Mode		
	0 - 19	0 - 7	"Normal" Dimming Mode
	20 - 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 - 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 - 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 - 100	Normal Mode; Turn OFF "ALL Special Mode"	
13			Reserved for future use

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

DMX Channel	Value	Percent	Function	
<b>Filter code for CTB under Color Correction</b>				
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 - 35	13	RCC3206	CTB 1/3
	36 - 255	14 - 100		Reserved for future use

<b>Filter code for CTO under Color Correction</b>				
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 - 40	15	RCC3406	CTO Double
41 - 255	16 - 100		Reserved for future use	

<b>Filter code for CTS under Color Correction</b>				
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

DMX Channel	Value	Percent	Function
Filter code for +/-Green under Color Correction			
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
8 (for Gel 2) (Preset CH7: 39 ~ 50 )	13 - 15	5	RCC3308 Minusgreen Full
	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	

Filter code for Misc under Color Correction			
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
8 (for Gel 2) (Preset CH7: 51 ~ 61 )	13 - 15	5	RCC3150 Industrial Vapor
	16 - 17	6	RCC3152 Urban Vapor
	18 - 20	7	RCC3310 Fluoro Filter
	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 16 : GEL, 8 bit resolution per function, base channels

DMX Channel	Value	Percent	Function	
Filter code for Red				
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
8 (for Gel 2) (Preset CH7: 128 ~ 140 )	13 - 15	5	RCA4815	Pink 15
	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
	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	

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

DMX Channel	Value	Percent	Function
	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 – 157	61	LCS0186 Cosmetic Silver Rose
	158 – 255	62 - 100	Reserved for future use

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

DMX Channel	Value	Percent	Function	
Filter code for Orange				
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
8 (for Gel 2) (Preset CH7: 141 ~ 152 )	13 - 15	5	RCL0018	Flame
	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 - 89	34	LCS0187	Cosmetic Rouge	
90 - 91	35	LCS0188	Cosmetic Highlight	
92 - 255	36 - 100		Reserved for future use	

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

DMX Channel	Value	Percent	Function	
Filter code for Yellow				
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 - 71	27	LCS0184	Cosmetic Peach
	72 - 73	28	LCS0189	Cosmetic Silver Moss
	74 - 255	29 - 100		Reserved for future use



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

DMX Channel	Value	Percent	Function	
Filter code for Green				
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

DMX Channel	Value	Percent	Function	
Filter code for Blue				
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	
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	

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

DMX Channel	Value	Percent	Function
	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 – 180	70	LCS0191 Cosmetic Aqua Blue
	181 – 182	71	LCS0217 Blue Diffusion
	183 – 255	72 - 100	Reserved for future use

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

DMX Channel	Value	Percent	Function	
Filter code for Purple				
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
8 (for Gel 2) (Preset CH7: 192 ~ 203 )	13 - 15	5	RCL0037	Pale Rose Pink
	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

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

DMX Channel	Value	Percent	Function
1 (hi)	0 - 65535	0 - 100	Master Intensity
3 (hi)	Gel 1, CCT Selection		
4 (lo)	0 - 32767	0 - 50	3.200 K
	32768 - 65535	51 - 100	5.600 K
5 (hi)	Gel 1: Filter Class		
6 (lo)	0 - 3327	0 - 4	CTB under Color Correction
	3328 - 6555	5 - 9	CTO under Color Correction
	6556 - 9983	10 - 14	CTS under Color Correction
	9984 - 13055	15 - 19	+/- Green under Color Correction
	13056 - 15871	20 - 24	Misc under Color Correction
	15872 - 32767	25 - 49	Reserved
	32768 - 36095	50 - 54	Red under Color Filter
	36096 - 39167	55 - 59	Orange under Color Filter
	39168 - 42495	60 - 64	Yellow under Color Filter
	42496 - 45823	65 - 69	Green under Color Filter
	45824 - 49151	70 - 74	Blue under Color Filter
	49152 - 52223	75 - 79	Purple under Color Filter
	52224 - 65535	80 - 100	Reserved
7 (hi)	0 - 65535	0 - 100	Gel 1: Filter Code
8 (lo)			
9 (hi)	0 - 65535	0 - 100	Cross Fade from Gel 1 to Gel2
10 (lo)			
11 (hi)	Gel 2, CCT Selection		
12 (lo)	0 - 32767	0 - 50	3.200 K
	32768 - 65535	51 - 100	5.600 K
13 (hi)	Gel 2: Filter Class		
14 (lo)	0 - 3327	0 - 4	CTB under Color Correction
	3328 - 6555	5 - 9	CTO under Color Correction
	6556 - 9983	10 - 14	CTS under Color Correction
	9984 - 13055	15 - 19	+/- Green under Color Correction
	13056 - 15871	20 - 24	Misc under Color Correction
	15872 - 32767	25 - 49	Reserved
	32768 - 36095	50 - 54	Red under Color Filter
	36096 - 39167	55 - 59	Orange under Color Filter
	39168 - 42495	60 - 64	Yellow under Color Filter
	42496 - 45823	65 - 69	Green under Color Filter
	45824 - 49151	70 - 74	Blue under Color Filter
	49152 - 52223	75 - 79	Purple under Color Filter
	52224 - 65535	80 - 100	Reserved
15 (hi)	0 - 65535	0 - 100	Gel 2: Filter Code
16 (lo)			

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

DMX Channel	Value	Percent	Function
17	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 (A gradual transition from Color 1 to Color 2)
	168 - 209	66~82	Over White Point (Color 1 cross above CIE White Point to Color 2)
	210 - 255	83~100	Under White Point (Color 1 cross below CIE White Point to Color 2)
18	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	Silent Mode (Limite Output to 80%)
	250 - 255	98 - 100	Reserved for future use
19	Call preset function (With the highest operational priority)		
	0 - 9	0 - 3	No Effect
	10 - 19	4 - 7	Call Preset Slot #1
	20 - 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 - 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 - 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 - 89	32 - 35	Call Preset Slot #8
	90 - 99	36 - 39	Call Preset Slot #9
	100 - 109	40 - 43	Call Preset Slot #10
110 - 255	44 - 100	No Effect, Reserved for future use	
20	Advance Control Mode		
	0 - 19	0 - 7	"Normal" Dimming Mode
	20 - 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 - 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 89	Hold 3 sec. and keep to activate the High Speed Mode
	80 - 229	28 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 - 100	Normal Mode; Turn OFF "ALL Special Mode"	
21	0 - 255		Reserved for future use

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

DMX Channel	Value	Percent	Function	
<b>Filter code for CTB under Color Correction</b>				
7,8 (for Gel 1) (Preset CH5,6: 0 – 3275 )	0 - 1279	1	RCC3220 CTB Double	
	1280 - 2047	2	RCC3202 CTB Full	
	2048 - 2815	3	RCC3203 CTB 3/4	
	2816 - 3327	4	RCC3204 CTB 1/2	
	3328 - 4095	5	RCC3208 CTB 1/4	
15,16 (for Gel 2) (Preset CH13,14: 0– 3275 )	4096 - 4607	6	RCC3216 CTB 1/8	
	4608 - 5375	7	LCC0283 CTB 1-1/2	
	5376 - 5887	8	LCC0201 CTB Full	
	5888 - 6655	9	LCC0281 CTB 3/4	
	6656 - 7167	10	LCC0202 CTB 1/2	
	7168 - 7935	11	LCC0203 CTB 1/4	
	7936 - 8703	12	LCC0218 CTB 1/8	
	8704 - 9215	13	RCC3206 CTB 1/3	
	8704 - 65535	13 - 100		Reserved for future use

<b>Filter code for CTO under Color Correction</b>			
7,8 (for Gel 1) (Preset CH5,6: 3276 – 6553 )	0 - 1279	1	RCC3407 CTO Full
	1280 - 2047	2	RCC3411 CTO 3/4
	2048 - 2815	3	RCC3408 CTO 1/2
	2816 - 3327	4	RCC3409 CTO 1/4
	3328 - 4095	5	RCC3410 CTO 1/8
15,16 (for Gel 2) (Preset CH13,14: 3276 – 6553 )	4096 - 4607	6	LCC0286 CTO 1-1/2
	4608 - 5375	7	LCC0208 CTO Full+6ND
	5376 - 5887	8	LCC0207 CTO Full+3ND
	5888 - 6655	9	LCC0206 CTO 1/4
	6656 - 7167	10	LCC0287 CTO Double
	7168 - 7935	11	LCC0204 CTO Full
	7936 - 8703	12	LCC0285 CTO 3/4
	8704 - 9215	13	LCC0205 CTO 1/2
	9216 - 9983	14	LCC0223 CTO 1/8
	9984 - 10495	15	RCC3406 CTO Double
9984 - 65535	15 - 100		Reserved for future use

<b>Filter code for CTS under Color Correction</b>			
7,8 (for Gel 1) (Preset CH5,6: 6554 – 9830 )	0 - 1279	1	RCC3441 CTS Full
	1280 - 2047	2	RCC3442 CTS 1/2
	2048 - 2815	3	RCC3443 CTS 1/4
	2816 - 3327	4	RCC3444 CTS 1/8
	3328 - 4095	5	LCC0441 CTS Full
15,16 (for Gel 2) (Preset CH13,14: 6554 – 9830 )	4096 - 4607	6	LCC0442 CTS 1/2
	4608 - 5375	7	LCC0443 CTS 1/4
	5376 - 5887	8	LCC0444 CTS 1/8
	5888 - 65535	9 - 100	

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

DMX Channel	Value	Percent	Function
<b>Filter code for +/-Green under Color Correction</b>			
7,8 (for Gel 1) (Preset CH5,6: 9831 – 13106 )	0 - 1279	1	RCC3304 Plusgreen Full
	1280 - 2047	2	RCC3315 Plusgreen 1/2
	2048 - 2815	3	RCC3316 Plusgreen 1/4
	2816 - 3327	4	RCC3317 Plusgreen 1/8
	3328 - 4095	5	RCC3308 Minusgreen Full
15,16 (for Gel 2) (Preset CH13,14: 9831 – 13106 )	4096 - 4607	6	RCC3309 Minusgreen 3/4
	4608 - 5375	7	RCC3313 Minusgreen 1/2
	5376 - 5887	8	RCC3314 Minusgreen 1/4
	5888 - 6655	9	RCC3318 Minusgreen 1/8
	6656 - 7167	10	LCC0244 L.Plus Green
	7168 - 7935	11	LCC0245 Plus Green 1/2
	7936 - 8703	12	LCC0246 Plus Green 1/4
	8704 - 9215	13	LCC0278 Plus Green 1/8
	9216 - 9983	14	LCC0247 L. Minus Green
	9984 - 10495	15	LCC0248 Minus Green 1/2
	10496 - 11263	16	LCC0249 Minus Green 1/4
	11264 - 11775	17	LCC0279 Minus Green 1/8
	11776 - 65535	18 - 100	

<b>Filter code for Misc under Color Correction</b>			
7,8 (for Gel 1) (Preset CH5,6: 13107 – 16383 )	0 - 1279	1	RCC3102 Tough MT2
	1280 - 2047	2	RCC3106 Tough MTY
	2048 - 2815	3	RCC3107 Tough Y-1
	2816 - 3327	4	RCC3134 Tough MT
	3328 - 4095	5	RCC3150 Industrial Vapor
15,16 (for Gel 2) (Preset CH13,14: 13107 – 16383 )	4096 - 4607	6	RCC3152 Urban Vapor
	4608 - 5375	7	RCC3310 Fluoro Ffilter
	5376 - 5887	8	LCC0212 LCT Yellow (Y1)
	5888 - 6655	9	LCC0213 White Flame Green
	6656 - 7167	10	LCC0219 Fluo Green
	7168 - 7935	11	LCC0230 S.Corr LCT Yellow
	7936 - 8703	12	LCC0232 S Corr WF Green
	8704 - 9215	13	LCC0236 HMI (to Tungsten)
	9216 - 9983	14	LCC0237 CID (to Tungsten)
	9984 - 10495	15	LCC0238 CSI (to Tungsten)
	10496 - 11263	16	LCC0241 L.Flou 5700K
	11264 - 11775	17	LCC0242 L.Flou 4300K
	11776 - 12543	18	LCC0243 L.Flou 3600K
12544 - 65535	19 - 100		Reserved for future use



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

DMX Channel	Value	Percent	Function
Filter code for Red			
7,8 (for Gel 1) (Preset CH5,6: 32768 – 36044 )	0 - 1279	1	RCA4615 Red 15
	1280 - 2047	2	RCA4630 Red 30
	2048 - 2815	3	RCA4660 Red 60
	2816 - 3327	4	RCA4690 Red 90
	3328 - 4095	5	RCA4815 Pink 15
15,16 (for Gel 2) (Preset CH13,14: 32768 – 36044 )	4096 - 4607	6	RCA4830 Pink 30
	4608 - 5375	7	RCA4860 Pink 60
	5376 - 5887	8	RCA4890 Pink 90
	5888 - 6655	9	RCC3102 Tough MT2
	6656 - 7167	10	RCL0021 Golden Amber
	7168 - 7935	11	RCL0026 Light Red
	7936 - 8703	12	RCL0033 No Color Pink
	8704 - 9215	13	RCL0034 Flesh Pink
	9216 - 9983	14	RCL0041 Salmon
	9984 - 10495	15	RCL0042 Deep Salmon
	10496 - 11263	16	RCL0044 Middle Rose
	11264 - 11775	17	RCL0318 Mayan Sun
	11776 - 12543	18	RCL0321 Soft Golden Amber
	12544 - 13055	19	RCL0325 Henna Sky
	13056 - 13823	20	RCL0333 Blush Pink
	13824 - 14335	21	RSS2001 VS-Red
	14336 - 15103	22	L700748 Seedy Pink
	15104 - 15871	23	L700779 Bastard Pink
	15872 - 16383	24	L700781 Terry Red
	16384 - 17151	25	L700790 Moroccan Pink
	17152 - 17663	26	L700794 Pretty n Pink
17664 - 18431	27	L700795 Magical Magenta	
18432 - 18943	28	LCF0002 Rose Pink	
18944 - 19711	29	LCF0008 Dark Salmon	
19712 - 20223	30	LCF0019 Fire	
20224 - 20991	31	LCF0024 Scarlet	
20992 - 21759	32	LCF0025 Sunset Red	
21760 - 22271	33	LCF0026 Bright Red	
22272 - 23039	34	LCF0035 Light Pink	
23040 - 23551	35	LCF0036 Med. Pink	
23552 - 24319	36	LCF0046 Dark Magenta	
24320 - 24831	37	LCF0048 Rose Purple	
24832 - 25599	38	LCF0106 Primary Red	
25600 - 26111	39	LCF0107 Light Rose	
26112 - 26879	40	LCF0108 English Rose	
26880 - 27391	41	LCF0109 Light Salmon	
27392 - 28159	42	LCF0110 Middle Rose	
28160 - 28927	43	LCF0111 Dark Pink	
28928 - 29439	44	LCF0113 Magenta	
29440 - 30207	45	LCF0127 Smokey Pink	

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

DMX Channel	Value	Percent	Function	
	30208 - 30719	46	LCF0128	Bright Pink
	30720 - 31487	47	LCF0148	Bright Rose
	31488 - 31999	48	LCF0151	Gold Tint
	32000 - 32767	49	LCF0153	Pale Salmon
	32768 - 33279	50	LCF0154	Pale Rose
	33280 - 34047	51	LCF0157	Pink
	34048 - 34815	52	LCF0164	Flame Red
	34816 - 35327	53	LCF0176	Loving Amber
	35328 - 36095	54	LCF0182	Light Red
	36096 - 36607	55	LCF0192	Flesh Pink
	36608 - 37375	56	LCF0332	S.Rose Pink
	37376 - 37887	57	LCS0705	Lily Frost
	37888 - 38655	58	LCS0749	Hampshire Rose
	38656 - 39167	59	LCS0750	Durham Frost
	39168 - 39935	60	L700789	Blood Red
	39936 - 40703	61	LCS0186	Cosmetic Silver Rose
	40704 - 65535	62 - 100		Reserved for future use

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

DMX Channel	Value	Percent	Function
Filter code for Orange			
7,8 (for Gel 1) (Preset CH5,6: 36045 – 39320 )	0 - 1279	1	RCL0002 Bastard Amber
	1280 - 2047	2	RCL0008 Pale Gold
	2048 - 2815	3	RCL0016 Light Amber
	2816 - 3327	4	RCL0017 Light Flame
	3328 - 4095	5	RCL0018 Flame
15,16 (for Gel 2) (Preset CH13,14: 36045 – 39320 )	4096 - 4607	6	RCL0023 Orange
	4608 - 5375	7	RCL0099 Chocolate
	5376 - 5887	8	RCL0302 Pale Bastard Amber
	5888 - 6655	9	RCL0316 Gallo Gold
	6656 - 7167	10	RSS2002 VS-Orange
	7168 - 7935	11	L600604 Full CT
	7936 - 8703	12	L600651 HI Sodium
	8704 - 9215	13	L600652 Urban Sodium
	9216 - 9983	14	L700747 Easy White
	9984 - 10495	15	L700773 Cardbox Amber
	10496 - 11263	16	L700776 Nectarine
	11264 - 11775	17	L700778 Millennium Gold
	11776 - 12543	18	LCF0004 Med.Bastard Amber
	12544 - 13055	19	LCF0009 Pale Amber Gold
	13056 - 13823	20	LCF0017 Surprise Peach
	13824 - 14335	21	LCF0021 Gold Amber
	14336 - 15103	22	LCF0022 Dark Amber
	15104 - 15871	23	LCF0105 Orange
	15872 - 16383	24	LCF0134 Golden Amber
	16384 - 17151	25	LCF0135 Deep Golden Amber
	17152 - 17663	26	LCF0147 Apricot
	17664 - 18431	27	LCF0152 Pale Gold
	18432 - 18943	28	LCF0156 Chocolate
	18944 - 19711	29	LCF0162 Bastard Amber
	19712 - 20223	30	LCF0179 Chrome Orange
	20224 - 20991	31	LCS0774 Soft Amber Key 1
	20992 - 21759	32	LCS0775 Soft Amber Key 2
	21760 - 22271	33	LCS0791 Moroccan Frost
	22272 - 23039	34	LCS0187 Cosmetic Rouge
	23040 - 23551	35	LCS0188 Cosmetic Highlight
23552 - 65535	36 - 100		Reserved for future use

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

DMX Channel	Value	Percent	Function
Filter code for Yellow			
7,8 (for Gel 1) (Preset CH5,6: 39321 – 42597 )	0 - 1279	1	RCA4515 Yellow 15
	1280 - 2047	2	RCA4530 Yellow 30
	2048 - 2815	3	RCA4560 Yellow 60
	2816 - 3327	4	RCA4590 Yellow 90
	3328 - 4095	5	RCL0006 No Color Straw
15,16 (for Gel 2) (Preset CH13,14: 39321 – 42597 )	4096 - 4607	6	RCL0012 Straw
	4608 - 5375	7	RCL0310 Daffodil
	5376 - 5887	8	RSS2003 VS-Yellow
	5888 - 6655	9	L600650 Industry Sodium
	6656 - 7167	10	L600653 LO Sodium
	7168 - 7935	11	L700742 Bram Brown
	7936 - 8703	12	L700744 Dirty White
	8704 - 9215	13	L700746 Brown
	9216 - 9983	14	L700763 Wheat
	9984 - 10495	15	L700764 Sun Colour Straw
	10496 - 11263	16	L700765 L. Yellow
	11264 - 11775	17	LCF0010 Med. Yellow
	11776 - 12543	18	LCF0013 Straw Tint
	12544 - 13055	19	LCF0015 Deep Straw
	13056 - 13823	20	LCF0020 Med. Amber
	13824 - 14335	21	LCF0100 Spring Yellow
	14336 - 15103	22	LCF0101 Yellow
	15104 - 15871	23	LCF0102 Light Amber
	15872 - 16383	24	LCF0103 Straw
	16384 - 17151	25	LCF0104 Deep Amber
17152 - 17663	26	LCF0159 No Color Straw	
17664 - 18431	27	LCS0184 Cosmetic Peach	
18432 - 18943	28	LCS0189 Cosmetic Silver Moss	
17664 - 65535	27 - 100		Reserved for future use

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

DMX Channel	Value	Percent	Function
Filter code for Green			
7,8 (for Gel 1) (Preset CH5,6: 42598 – 45874 )	0 - 1279	1	RCA4390 Cyan 90
	1280 - 2047	2	RCA4415 Green 15
	2048 - 2815	3	RCA4430 Green 30
	2816 - 3327	4	RCA4460 Green 60
	3328 - 4095	5	RCA4490 Green 90
15,16 (for Gel 2) (Preset CH13,14: 42598 – 45874 )	4096 - 4607	6	RCL0087 Pale Yellow Green
	4608 - 5375	7	RCL0088 Light Green
	5376 - 5887	8	RCL0089 Moss Green
	5888 - 6655	9	RCL0091 Primary Green
	6656 - 7167	10	RCL0092 Turquoise
	7168 - 7935	11	RCL0093 Blue Green
	7936 - 8703	12	RSS2004 VS-Green
	8704 - 9215	13	RSS2005 VS-Cyan
	9216 - 9983	14	L700728 Steel Green
	9984 - 10495	15	L700730 Liberty Green
	10496 - 11263	16	L700731 Dirty Ice
	11264 - 11775	17	L700733 Damp Squib
	11776 - 12543	18	L700738 JAS Green
	12544 - 13055	19	LCF0088 Lime Green
	13056 - 13823	20	LCF0089 Moss Green
	13824 - 14335	21	LCF0090 Dark Yellow Green
	14336 - 15103	22	LCF0121 L. Green
	15104 - 15871	23	LCF0122 Fern Green
	15872 - 16383	24	LCF0124 Dark Green
	16384 - 17151	25	LCF0131 Marine Blue
17152 - 17663	26	LCF0138 Pale Green	
17664 - 18431	27	LCF0139 Primary Green	
18432 - 65535	28 - 100		Reserved for future use

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

DMX Channel	Value	Percent	Function
Filter code for Blue			
7,8 (for Gel 1) (Preset CH5,6: 45875 – 49151 )	0 - 1279	1	RCA4215 Blue 15
	1280 - 2047	2	RCA4230 Blue 30
	2048 - 2815	3	RCA4260 Blue 60
	2816 - 3327	4	RCA4290 Blue 90
	3328 - 4095	5	RCA4307 Cyan 7
15,16 (for Gel 2) (Preset CH13,14: 45875 – 49151 )	4096 - 4607	6	RCA4315 Cyan 15
	4608 - 5375	7	RCA4330 Cyan 30
	5376 - 5887	8	RCA4360 Cyan 60
	5888 - 6655	9	RCL0060 No Color Blue
	6656 - 7167	10	RCL0062 Booster Blue
	7168 - 7935	11	RCL0065 Daylight Blue
	7936 - 8703	12	RCL0077 Green Blue
	8704 - 9215	13	RCL0080 Primary Blue
	9216 - 9983	14	RCL0083 Med. Blue
	9984 - 10495	15	RCL0360 Clearwater
	10496 - 11263	16	RCL0362 Tipton Blue
	11264 - 11775	17	RCL0364 Blue Bell
	11776 - 12543	18	RCL0365 Tharon Delft Blue
	12544 - 13055	19	RCL0375 Cerulean Blue
	13056 - 13823	20	RCL0376 Bermuda Blue
	13824 - 14335	21	RCL0378 Alice Blue
	14336 - 15103	22	RCL0381 Baldassari Blue
	15104 - 15871	23	RSS2006 VS-Azure
	15872 - 16383	24	RSS2007 VS-Blue
	16384 - 17151	25	RSS2008 VS-Indigo
	17152 - 17663	26	L600600 Arctic White
	17664 - 18431	27	L600601 Silver
	18432 - 18943	28	L600602 Platinum
	18944 - 19711	29	L600603 Moonlight White
	19712 - 20223	30	L700708 Cool Lavender
	20224 - 20991	31	L700710 Spir Sp Blue
	20992 - 21759	32	L700711 Cold Blue
	21760 - 22271	33	L700712 Bedford Blue
	22272 - 23039	34	L700714 Elysian Blue
	23040 - 23551	35	L700715 Cabana Blue
23552 - 24319	36	L700716 Mik. Blue	
24320 - 24831	37	L700719 Colour Wash Blue	
24832 - 25599	38	L700721 Berry Blue	
25600 - 26111	39	L700723 Virgin Blue	
26112 - 26879	40	L700724 Ocean Blue	
26880 - 27391	41	L700725 Old Steel Blue	
27392 - 28159	42	LCC0200 CTB Double	
28160 - 28927	43	LCF0061 Mist Blue	
28928 - 29439	44	LCF0063 Pale Blue	
29440 - 30207	45	LCF0068 Sky Blue	

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

DMX Channel	Value	Percent	Function
	30208 - 30719	46	LCF0075 Evening Blue
	30720 - 31487	47	LCF0079 Just Blue
	31488 - 31999	48	LCF0085 Deeper Blue
	32000 - 32767	49	LCF0115 Peacock Blue
	32768 - 33279	50	LCF0117 Steel Blue
	33280 - 34047	51	LCF0118 Light Blue
	34048 - 34815	52	LCF0120 Deep Blue
	34816 - 35327	53	LCF0140 Summer Blue
	35328 - 36095	54	LCF0141 Bright Blue
	36096 - 36607	55	LCF0143 Pale Navy Blue
	36608 - 37375	56	LCF0144 No Color Blue
	37376 - 37887	57	LCF0161 Slate Blue
	37888 - 38655	58	LCF0165 Daylight Blue
	38656 - 39167	59	LCF0174 Dark Steel Blue
	39168 - 39935	60	LCF0195 Zenith Blue
	39936 - 40703	61	LCF0196 True Blue
	40704 - 41215	62	LCF0197 Alice Blue
	41216 - 41983	63	LCF0198 Palace Blue
	41984 - 42795	64	LCF0199 Regal Blue
	42496 - 43263	65	LCS0221 Blue Frost
	43264 - 43775	66	LCS0224 Daylite Blue Frost
	43776 - 44543	67	LCS0717 Shanklin Frost
	44544 - 45055	68	LCS0718 1/2 Shanklin Frost
	45056 - 45823	69	LCS0720 Dh Daylite Frost
	45824 - 46335	70	LCS0191 Cosmetic Aqua Blue
	46336 - 46847	71	LCS0217 Blue Diffusion
	45824 - 65535	70 - 100	Reserved for future use

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

DMX Channel	Value	Percent	Function	
Filter code for Purple				
7,8 (for Gel 1) (Preset CH5,6: 49152 – 52427 )	0 - 1279	1	RSS2010	VS-Magenta
	1280 - 2047	2	RSS2009	VS-Violet
	2048 - 2815	3	RCL0051	Surprise Pink
	2816 - 3327	4	RCL0047	Light Rose Purple
	3328 - 4095	5	RCL0037	Pale Rose Pink
15,16 (for Gel 2) (Preset CH13,14: 49152 – 52427 )	4096 - 4607	6	RCA4990	Lavender 90
	4608 - 5375	7	RCA4960	Lavender 60
	5376 - 5887	8	RCA4930	Lavender 30
	5888 - 6655	9	RCA4915	Lavender 15
	6656 - 7167	10	RCA4790	Magenta 90
	7168 - 7935	11	RCA4760	Magenta 60
	7936 - 8703	12	RCA4730	Magenta 30
	8704 - 9215	13	RCA4715	Magenta 15
	9216 - 9983	14	L700700	Perfect Lavender
	9984 - 10495	15	L700701	Provence
	10496 - 11263	16	L700702	Sp Pale Lavender
	11264 - 11775	17	L700703	Cold Lavender
	11776 - 12543	18	L700704	Lily
	12544 - 13055	19	L700706	King Fals Lavender
	13056 - 13823	20	L700709	Electric Lilac
	13824 - 14335	21	LCF0003	Lavender Tint
	14336 - 15103	22	LCF0052	Light Lavender
	15104 - 15871	23	LCF0053	Paler Lavender
	15872 - 16383	24	LCF0058	Lavender
	16384 - 17151	25	LCF0136	Pale Lavender
	17152 - 17663	26	LCF0137	Special Lavender
	17664 - 18431	27	LCF0142	Pale Violet
	18432 - 18943	28	LCF0169	Lilac Tint
	18944 - 19711	29	LCF0170	Deep Lavender
19712 - 20223	30	LCF0180	Dark Lavender	
20224 - 20991	31	LCF0194	Surprise Pink	
20992 - 65535	32 - 100		Reserved for future use	



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 (A gradual transition from Color 1 to Color 2)
	168~209	66~82	Over White Point (Color 1 cross above CIE White Point to Color 2)
210~255	83~100	Under White Point (Color 1 cross below CIE White Point to Color 2)	
8	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	Silent Mode (Limite Output to 80%)	
250 – 255	98 – 100	Reserved for future use	

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

DMX Channel	Value	Percent	Function
	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
9	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
10	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
11			Reserved for future use

Mode 19 : x,y Coordinates 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 (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)			
Transition Type			
12	0~41	0~16	Direct
	42~83	17~32	Through White Point
	84~125	33~49	Through Black Point
	126~167	50~65	Dissolve (A gradual transition from Color 1 to Color 2)
	168~209	66~82	Over White Point (Color 1 cross above CIE White Point to Color 2)
	210~255	83~100	Under White Point (Color 1 cross below CIE White Point to Color 2)
Fan control			
13	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

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

DMX Channel	Value	Percent	Function
14	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
15	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
16			Reserved for future use

Mode 20 : Effects, 8 bit resolution per function

Para.	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)
	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

Mode 20 : Effects, 8 bit resolution per function

Para.	DMX Channel	Value	Percent	Function
		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	Silent Mode (Limite Output to 80%)
		250 – 255	98 – 100	Reserved for future use
		Call preset function (With the highest operational priority)		
		0 – 9	0 – 3	No Effect
		10 – 19	4 - 7	Call Preset Slot #1
		20 – 29	8 - 11	Call Preset Slot #2
		30 - 39	12 - 15	Call Preset Slot #3
		40 – 49	16 - 19	Call Preset Slot #4
		50 - 59	20 - 23	Call Preset Slot #5
		60 – 69	24 - 27	Call Preset Slot #6
		70 - 79	28 - 31	Call Preset Slot #7
		80 – 89	32 - 35	Call Preset Slot #8
		90 - 99	36- 39	Call Preset Slot #9
		100 – 109	40 - 43	Call Preset Slot #10
		110 - 255	44- 100	No Effect, Reserved for future use
		Advance Control Mode		
		0 – 19	0 – 7	"Normal" Dimming Mode
		20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
		40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
		60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
		80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
		230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
	15			Reserved for future use

Mode 20 : Effects, 8 bit resolution per function

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

Candle Preset: Ch2: 20-29				
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				
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				
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				
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

Para.	DMX Channel	Value	Percent	Function
Explosion Preset: Ch2: 60-69				
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				
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				
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

Para.	DMX Channel	Value	Percent	Function
Flu. Flicker Preset: Ch2: 90-99				
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				
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

Para.	DMX Channel	Value	Percent	Function
Paparazzi Preset: Ch2: 110-119				
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				
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

Para.	DMX Channel	Value	Percent	Function
Process Preset: Ch2: 130-139				
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				
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

Para.	DMX Channel	Value	Percent	Function
<b>Strobe</b>				
Preset: Ch2: 150-159				
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

<b>TV</b>				
Preset: Ch2: 160-169				
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

<b>Welding</b>				
Preset: Ch2: 170-179				
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%)

Mode 20 : Effects, 8 bit resolution per function

Para.	DMX Channel	Value	Percent	Function
Rotate				
Preset: Ch2: 180-189				
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

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
	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

Mode 21 : Effects, 16 bit resolution per function

Para.	DMX Channel	Value	Percent	Function
	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
				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	Silent Mode (Limite Output to 80%)
		250 – 255	98 – 100	Reserved for future use
				Call preset function (With the highest operational priority)
		0 – 9	0 – 3	No Effect
		10 – 19	4 - 7	Call Preset Slot #1
		20 – 29	8 - 11	Call Preset Slot #2
		30 - 39	12 - 15	Call Preset Slot #3
		40 – 49	16 - 19	Call Preset Slot #4
		50 - 59	20 - 23	Call Preset Slot #5
		60 – 69	24 - 27	Call Preset Slot #6
		70 - 79	28 - 31	Call Preset Slot #7
		80 – 89	32 - 35	Call Preset Slot #8
		90 - 99	36- 39	Call Preset Slot #9
		100 – 109	40 - 43	Call Preset Slot #10
		110 - 255	44- 100	No Effect, Reserved for future use
				Advance Control Mode
		0 – 19	0 – 7	"Normal" Dimming Mode
		20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
		40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
		60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
		80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
		230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
				Reserved for future use
	26			Reserved for future use

Mode 21 : Effects, 16 bit resolution per function

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

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

Cloud Passing Preset: Ch3: 30-39				
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Speed
2	7 (Hi) 8 (Lo)	0 – 65535	0 – 100	Offset <i>*Number 0 - 50 ( Every 500 DMX values is a new Offset)</i>
3	9 (Hi) 10 (Lo)	65535	100	Sync (Jump to "Offset" section)

Club Preset: Ch3: 40-49				
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Speed
2	7 (Hi) 8 (Lo)	Type		
		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

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

Explosion Preset: Ch3: 60-69				
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) 8 (Lo)	0 – 65535	0 – 100	Decay
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%)

Fire Preset: Ch3: 70-79				
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Speed
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

Para.	DMX Channel	Value	Percent	Function
Fireworks Preset: Ch3: 80-89				
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Speed
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				
1	5 (Hi) 6 (Lo)	0 – 65535	0 – 100	Speed
2	7 (Hi) 8 (Lo)	0 – 65535	0 – 100	Frequency
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

Para.	DMX Channel	Value	Percent	Function
Lightning Preset: Ch3: 100-109				
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)	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

Paparazzi Preset: Ch3: 110-119				
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

Para.	DMX Channel	Value	Percent	Function
Police Car Preset: Ch3: 120-129				
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

Process Preset: Ch3: 130-139				
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)	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) 20 (Lo)	65535	100	Sync

Mode 21 : Effects, 16 bit resolution per function

Para.	DMX Channel	Value	Percent	Function
Pulsing Preset: Ch3: 140-149				
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)	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

Strobe Preset: Ch3: 150-159				
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)	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

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

Welding Preset: Ch3: 170-179				
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)	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%)

Mode 21 : Effects, 16 bit resolution per function

Para.	DMX Channel	Value	Percent	Function
Rotate Preset: Ch3: 180-189				
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)	Color Combination		
	10 (Lo)	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

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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Turn Off	



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

DMX Channel	Value	Percent	Function
12	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
13	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
14			Reserved for future use

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

DMX Channel	Value	Percent	Function
1	Max. Intensity for Column 1		
	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	Column 1: 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	Column 1: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
9	Column 1: 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

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

DMX Channel	Value	Percent	Function
11	Max. Intensity for Column 2		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
12	0 – 255	0 – 100	Color Temp. (2700K~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	Column 2: Strobe Frequency (Light Off Time while activated Strobe) 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	Column 2: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
19	0 - 26	0 - 10	Column 2: 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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Turn Off	

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

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
22	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
23	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
24			Reserved for future use

Mode 24 : 8-bit functional setting of Row Control CCT/HSI

DMX Channel	Value	Percent	Function
1	Max. Intensity for Row 1		
	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	0 - 26	0 - 10	Row 1: Strobe Frequency (Light Off Time while activated Strobe) 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	Row 1: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
9	0 - 26	0 - 10	Row 1: Pause 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

Mode 24 : 8-bit functional setting of Row Control CCT/HSI

DMX Channel	Value	Percent	Function
11	Max. Intensity for Row 2		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
12	0 – 255	0 – 100	Color Temp. (2700K~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	Row 2: 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
18	0 - 255	0 - 100	Row 2: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
19	Row 2: Pause		
	0 - 26	0 - 10	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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Turn Off	

Mode 24 : 8-bit functional setting of Row Control CCT/HSI

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
22	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
23	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
24			Reserved for future use

Mode 25 : 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. (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	Lamphead1: 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	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



Mode 25 : 8-bit functional setting of Individual Control CCT/HSI

DMX Channel	Value	Percent	Function
11	Max. Intensity for Lamphead2		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
12	0 – 255	0 – 100	Color Temp. (2700K~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	Lamphead2: 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
18	0 - 255	0 - 100	Lamphead2: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
19	Lamphead2: Pause		
	0 - 26	0 - 10	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

Mode 25 : 8-bit functional setting of Individual Control CCT/HSI

DMX Channel	Value	Percent	Function
21	Max. Intensity for Lamphead3		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
22	0 – 255	0 – 100	Color Temp. (2700K~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	Lamphead3: 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
28	0 - 255	0 - 100	Lamphead3: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
29	Lamphead3: Pause		
	0 - 26	0 - 10	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

Mode 25 : 8-bit functional setting of Individual Control CCT/HSI

DMX Channel	Value	Percent	Function
31	Max. Intensity for Lamphead 4		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
32	0 – 255	0 – 100	Color Temp. (2700K~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	Lamphead 4: 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
38	0 - 255	0 - 100	Lamphead 4: Duration Time (Light On Time while Strobing) 50ms - 5 Sec
39	Lamphead 4: Pause		
	0 - 26	0 - 10	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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Turn Off	

Mode 25 : 8-bit functional setting of Individual Control CCT/HSI

DMX Channel	Value	Percent	Function
Call preset function (With the highest operational priority)			
42	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
Advance Control Mode			
43	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
44			Reserved for future use

Mode 26 : 8-bit functional setting of Professional Column Control CCT/RGBW

DMX Channel	Value	Percent	Function
1	Max. Intensity for Column 1		
	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	Max. Intensity for Column 2		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
10	0 – 255	0 – 100	Color Temp. (2700K~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 : 8-bit functional setting of Professional Column Control CCT/RGBW

DMX Channel	Value	Percent	Function
17	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Turn Off	
18	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
110 - 255	44- 100	No Effect, Reserved for future use	
19	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"	
20			Reserved for future use

Mode 27 : 8-bit functional setting of Professional Row Control CCT/RGBW

DMX Channel	Value	Percent	Function
1	Max. Intensity for Row 1		
	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	Max. Intensity for Row 2		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
10	0 – 255	0 – 100	Color Temp. (2700K~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 27 : 8-bit functional setting of Professional Row Control CCT/RGBW

DMX Channel	Value	Percent	Function
17	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Turn Off	
18	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
110 - 255	44- 100	No Effect, Reserved for future use	
19	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"	
20			Reserved for future use



Mode 28 : 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. (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	Max. Intensity for Lamphead 2		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
10	0 – 255	0 – 100	Color Temp. (2700K~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 28 : 8-bit functional setting of Professional Individual Control CCT/RGBW

DMX Channel	Value	Percent	Function
17	Max. Intensity for Lamphead 3		
	0 – 255	0 – 100	0 % (closed) → 100% (open)
18	0 – 255	0 – 100	Color Temp. (2700K~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. (2700K~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 28 : 8-bit functional setting of Professional Individual Control CCT/RGBW

DMX Channel	Value	Percent	Function
33	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Turn Off	
34	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
110 - 255	44- 100	No Effect, Reserved for future use	
35	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"	
36			Reserved for future use

Mode 29 : 16-bit functional setting of Professional Column Control CCT/RGBW

DMX Channel	Value	Percent	Function
1 (Hi)	Max. Intensity for Column 1		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	Color Temp.		
4 (Lo)	0 – 65535	0 – 100	(2700K~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 29 : 16-bit functional setting of Professional Column Control CCT/RGBW

DMX Channel	Value	Percent	Function
17 (Hi)	Max. Intensity for Column 2		
18 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
19 (Hi)	Color Temp.		
20 (Lo)	0 – 65535	0 – 100	(2700K~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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Turn Off	

Mode 29 : 16-bit functional setting of Professional Column Control CCT/RGBW

DMX Channel	Value	Percent	Function
34	Call preset function (With the highest operational priority)		
	0 - 9	0 - 3	No Effect
	10 - 19	4 - 7	Call Preset Slot #1
	20 - 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 - 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 - 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 - 89	32 - 35	Call Preset Slot #8
	90 - 99	36 - 39	Call Preset Slot #9
	100 - 109	40 - 43	Call Preset Slot #10
	110 - 255	44 - 100	No Effect, Reserved for future use
35	Advance Control Mode		
	0 - 19	0 - 7	"Normal" Dimming Mode
	20 - 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 - 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 - 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 - 100	Normal Mode; Turn OFF "ALL Special Mode"
36			Reserved for future use

Mode 30 : 16-bit functional setting of Professional Row Control CCT/RGBW

DMX Channel	Value	Percent	Function
1 (Hi)	Max. Intensity for Row 1		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	Color Temp.		
4 (Lo)	0 – 65535	0 – 100	(2700K~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 30 : 16-bit functional setting of Professional Row Control CCT/RGBW

DMX Channel	Value	Percent	Function
17 (Hi)	Max. Intensity for Row 2		
18 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
19 (Hi)	Color Temp.		
20 (Lo)	0 – 65535	0 – 100	(2700K~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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Turn Off	



Mode 30 : 16-bit functional setting of Professional Row Control CCT/RGBW

DMX Channel	Value	Percent	Function
34	Call preset function (With the highest operational priority)		
	0 - 9	0 - 3	No Effect
	10 - 19	4 - 7	Call Preset Slot #1
	20 - 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 - 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 - 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 - 89	32 - 35	Call Preset Slot #8
	90 - 99	36 - 39	Call Preset Slot #9
	100 - 109	40 - 43	Call Preset Slot #10
	110 - 255	44 - 100	No Effect, Reserved for future use
35	Advance Control Mode		
	0 - 19	0 - 7	"Normal" Dimming Mode
	20 - 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 - 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 - 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 - 100	Normal Mode; Turn OFF "ALL Special Mode"
36			Reserved for future use

Mode 31 : 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	(2700K~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 31 : 16-bit functional setting of Professional Individual Control CCT/RGBW

DMX Channel	Value	Percent	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	(2700K~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 31 : 16-bit functional setting of Professional Individual Control CCT/RGBW

DMX Channel	Value	Percent	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	(2700K~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 31 : 16-bit functional setting of Professional Individual Control CCT/RGBW

DMX Channel	Value	Percent	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	(2700K~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	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Turn Off	

Mode 31 : 16-bit functional setting of Professional Individual Control CCT/RGBW

DMX Channel	Value	Percent	Function
66	Call preset function (With the highest operational priority)		
	0 - 9	0 - 3	No Effect
	10 - 19	4 - 7	Call Preset Slot #1
	20 - 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 - 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 - 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 - 89	32 - 35	Call Preset Slot #8
	90 - 99	36 - 39	Call Preset Slot #9
	100 - 109	40 - 43	Call Preset Slot #10
	110 - 255	44 - 100	No Effect, Reserved for future use
67	Advance Control Mode		
	0 - 19	0 - 7	"Normal" Dimming Mode
	20 - 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 - 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 - 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 - 100	Normal Mode; Turn OFF "ALL Special Mode"
68			Reserved for future use

Mode 32 :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 - 11	0 - 255	0 - 100	Color Parameter #1 ~ #10
12	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 - 255	45 - 100	Reserved for future use	
13	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	Silent Mode (Limite Output to 80%)
	250 - 255	98 - 100	Reserved for future use

Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
14	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
15	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
16			Reserved for future use



Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#1 CCT Mode</b>			
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
12	Mode Selection		
	0 – 12	0 – 4	#1 CCT
13	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#2 HSI Mode</b>			
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%)
12	Mode Selection		
	13 – 25	5 – 9	#2 H S I
13	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	

Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#3 RGBW Mode</b>			
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
12	Mode Selection		
	26 - 38	10 - 14	#3 RGBW
13	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	

Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#4 x y Coordinate Mode</b>			
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)
12	Mode Selection		
	39 – 50	15 - 19	#4 x y Coordinate Mode
13	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	

Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#5 CCT/ HSI Mode</b>			
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%)
12	Mode Selection		
	51 - 63	20 - 24	#5 CCT / HSI
13	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#6 CCT / RGBW Mode</b>			
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
12	Mode Selection		
	64 - 76	25 - 29	#6 CCT / RGBW
13	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#7 CCT/ xy Coordinate Mode</b>			
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)
12	Mode Selection		
	77 - 89	30 - 34	#7 CCT / x y Coordinate Mode
13	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#8 Gel Mode</b>			
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)
12	Mode Selection		
	90 - 101	35 - 39	#8 GEL
13	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	



Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#9 Effect Mode</b>			
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)
12	Mode Selection		
	102 - 114	40 - 44	#9 Effect

Mode 32 :Ultimate DMX Protocol, 8 bit resolution per function

DMX Channel	Value	Percent	Function
13	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	
14	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
110 - 255	44- 100	No Effect, Reserved for future use	
15	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"	
16			Reserved for future use

Mode 33 :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 - 22	0 – 65535	0 – 100	Color Parameter #1 - 11
23	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 - 255	45 - 100	Reserved for future use	
24	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
25	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
26	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"	
27			Reserved for future use

Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#1 CCT Mode</b>			
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	0 – 65535	0 – 100	Color Temp.
4 (Lo)	(2700K~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
23	0 – 12	0 – 4	Mode Selection
			#1 CCT
24	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#2 HSI Mode</b>			
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)			
23	Mode Selection		
	13 – 25	5 – 9	#2 H S I
24	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#3 RGBW Mode</b>			
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)			
23	Mode Selection		
	26 - 38	10 - 14	#3 RGBW
24	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	Silent Mode (Limite Output to 80%)
250 – 255	98 – 100	Reserved for future use	

Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#4 x y Coordinate Mode</b>			
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)			
23	Mode Selection		
	39 – 50	15 - 19	#4 x y Coordinate Mode
24	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use



Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#5 CCT/ HSI Mode</b>			
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	0 – 65535	0 – 100	Color Temp.
4 (Lo)	(2700K~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)	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)			
23	Mode Selection		
	51 - 63	20 - 24	#5 CCT / HSI
24	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#6 CCT / RGBW Mode</b>			
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	0 – 65535	0 – 100	Color Temp.
4 (Lo)	(2700K~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)	0 – 65535	0 – 100	Color Change Coefficient
8 (Lo)	White --> Color		
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)			
23	Mode Selection		
	64 - 76	25 - 29	#6 CCT / RGBW
24	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#7 CCT/ xy Coordinate Mode</b>			
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	0 – 65535	0 – 100	Color Temp.
4 (Lo)	(2700K~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)	0 – 65535	0 – 100	Color Change Coefficient
8 (Lo)	White --> Color		
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)			
23	Mode Selection		
	77 - 89	30 - 34	#7 CCT / x y Coordinate Mode
24	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#8 Gel Mode</b>			
1 (Hi)	Master Intensity		
2 (Lo)	0 – 65535	0 – 100	0 % (closed) → 100% (open)
3 (Hi)	CCT Selection		
4 (Lo)	0- 32767	0 – 50	3.200 K
	32768 - 65535	51 – 100	5.600 K
5 (Hi)	Filter Class		
6 (Lo)	0 – 3327	0 – 4	CTB under Color Correction
	3328 – 6555	5 – 9	CTO under Color Correction
	6556 – 9983	10 – 14	CTS under Color Correction
	9984 – 13055	15 – 19	+/- Green under Color Correction
	13056 – 15871	20 – 24	Misc under Color Correction
	15872 – 32767	25 – 49	Reserved
	32768 – 36095	50 – 54	Red under Color Filter
	36096 – 39167	55 – 59	Orange under Color Filter
	39168 – 42495	60 – 64	Yellow under Color Filter
	42496 – 45823	65 – 69	Green under Color Filter
	45824 – 49151	70 – 74	Blue under Color Filter
	49152 – 52223	75 – 79	Purple under Color Filter
	52224 – 65535	80 – 100	Reserved
7 (Hi)	0 – 65535	0 – 100	Filter Code (Please refer Mode 17 for detail filter code)
8 (Lo)			
23	Mode Selection		
	90 - 101	35 - 39	#8 GEL
24	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use

Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
<b>#9 Effect Mode</b>			
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
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)

Mode 33 :Ultimate DMX Protocol, 16 bit resolution per function

DMX Channel	Value	Percent	Function
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)
23	Mode Selection		
	102 - 114	40 - 44	#9 Effect
24	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	Silent Mode (Limite Output to 80%)
	250 – 255	98 – 100	Reserved for future use
25	Call preset function (With the highest operational priority)		
	0 – 9	0 – 3	No Effect
	10 – 19	4 - 7	Call Preset Slot #1
	20 – 29	8 - 11	Call Preset Slot #2
	30 - 39	12 - 15	Call Preset Slot #3
	40 – 49	16 - 19	Call Preset Slot #4
	50 - 59	20 - 23	Call Preset Slot #5
	60 – 69	24 - 27	Call Preset Slot #6
	70 - 79	28 - 31	Call Preset Slot #7
	80 – 89	32 - 35	Call Preset Slot #8
	90 - 99	36- 39	Call Preset Slot #9
	100 – 109	40 - 43	Call Preset Slot #10
	110 - 255	44- 100	No Effect, Reserved for future use
26	Advance Control Mode		
	0 – 19	0 – 7	"Normal" Dimming Mode
	20 – 39	8 - 15	Hold 3 sec. and keep to activate the Stage Mode
	40 – 59	16 - 23	Hold 3 sec. and keep to activate the Tungsten Mode
	60 - 79	24 - 31	Hold 3 sec. and keep to activate the High Speed Mode
	80 – 229	32 - 89	No Effect, Reserved for future use (Performed Normal Mode at this moment)
	230 - 255	90 – 100	Normal Mode; Turn OFF "ALL Special Mode"
27			Reserved for future use