

Manufacture Name: Film Gear Int. Ltd

Manufacture ID: 0x4142

Product Name:  
Mega 2700C

Model ID:  
0x2302

Version: V1.10 or above

20250710

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  
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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.<br>(2000K~15000K)               |
| 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<br>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  |
|-------------|--|--|---|
| 10          | 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  |
| 11          | 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 – 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.<br>(2000K~15000K)  |
| 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<br>(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.<br>(2000K~15000K)               |
| 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<br>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   |
|-------------|--|----------|--|
| 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<br>(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<br>(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<br>(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.<br>(2000K~15000K)               |
| 4 (lo)                     |                  |          |   |
|                            |                  |          |   |
| Green / Magenta Adjustment |                  |          |   |
| 5 (hi)<br>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<br>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   |
|-------------|--|----------|--|
| 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<br>(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.<br>(2000K~15000K)  |
| 4 (lo)   |                  |                                    |  |
| Green / Magenta Adjustment                                   |                  |                                    |  |
| 5 (hi)<br>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<br>(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. (2000K~15000K)                  |
| 4 (lo)                     |                  |                         |   |
| Green / Magenta Adjustment |                  |                         |   |
| 5 (hi)<br>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<br>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)                    |                  |                         |   |
| 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 8 : 16-bit functional setting of CCT and H.S.I.

| 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<br>(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<br>(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)   |                  |                                    |  |
| 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<br>(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.<br>(2000K~15000K)               |
| 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<br>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   |
|-------------|--|----------|--|
| 16          | 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   |
|             |  |          |  |
| 17          | 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<br>(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.<br>(2000K~15000K)      |
| 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   |
|-------------|--|----------|--|
| 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<br>(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.<br>(2000K~15000K)               |
| 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<br>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                     |
| 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                         |

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

| DMX Channel          | Value     | Percent  | Function   |
|----------------------|-----------|----------|--|
|                      | 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<br>(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   |
|-------------|--|----------|--|
| 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<br>(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<br>(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)<br>(Preset<br>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)<br>(Preset<br>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)<br>(Preset<br>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)<br>(Preset<br>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)<br>(Preset<br>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)<br>(Preset<br>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 |                         |
|--|----------|----------|----------|-------------------------|
| <b>Filter code for +/-Green under Color Correction</b> |          |          |          |                         |
| 4 (for Gel 1)<br>(Preset<br>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)<br>(Preset<br>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 |          | Reserved for future use |

|  |          |          |         |                         |
|--|----------|----------|---------|-------------------------|
| <b>Filter code for Misc under Color Correction</b> |          |          |         |                         |
| 4 (for Gel 1)<br>(Preset<br>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)<br>(Preset<br>CH7: 51 ~ 61           | 13 - 15  | 5        | RCC3150 | Industrial Vapor        |
|  | 16 - 17  | 6        | RCC3152 | Urban Vapor             |
|  | 18 - 20  | 7        | RCC3310 | Fluro Ffilter           |
|  | 21 - 22  | 8        | LCC0212 | LCT Yellow (Y1)         |
|  | 23 - 25  | 9        | LCC0213 | White Flame Green       |
|  | 26 - 27  | 10       | LCC0219 | Fluo Green              |
|  | 28 - 30  | 11       | LCC0230 | S.Corr LCT Yellow       |
|  | 31 - 33  | 12       | LCC0232 | S Corr WF Green         |
|  | 34 - 35  | 13       | LCC0236 | HMI (to Tungsten)       |
|  | 36 - 38  | 14       | LCC0237 | CID (to Tungsten)       |
|  | 39 - 40  | 15       | LCC0238 | CSI (to Tungsten)       |
|  | 41 - 43  | 16       | LCC0241 | L.Fluro 5700K           |
|  | 44 - 45  | 17       | LCC0242 | L.Fluro 4300K           |
|  | 46 - 48  | 18       | LCC0243 | L.Fluro 3600K           |
|  | 49 - 255 | 19 - 100 |         | Reserved for future use |

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

| DMX Channel                                 | Value   | Percent | Function        |                   |
|---|---------|---------|-----------------|-------------------|
| Filter code for Red                         |         |         |                 |                   |
| 4 (for Gel 1)<br>(Preset<br>CH3: 128 ~ 140) | 0 - 4   | 1       | RCA4615         | Red 15            |
|   | 5 - 7   | 2       | RCA4630         | Red 30            |
|   | 8 - 10  | 3       | RCA4660         | Red 60            |
|   | 11 - 12 | 4       | RCA4690         | Red 90            |
|   | 13 - 15 | 5       | RCA4815         | Pink 15           |
| 8 (for Gel 2)<br>(Preset<br>CH7: 128 ~ 140) | 16 - 17 | 6       | RCA4830         | Pink 30           |
|   | 18 - 20 | 7       | RCA4860         | Pink 60           |
|   | 21 - 22 | 8       | RCA4890         | Pink 90           |
|   | 23 - 25 | 9       | RCC3102         | Tough MT2         |
|   | 26 - 27 | 10      | RCL0021         | Golden Amber      |
|   | 28 - 30 | 11      | RCL0026         | Light Red         |
|   | 31 - 33 | 12      | RCL0033         | No Color Pink     |
|   | 34 - 35 | 13      | RCL0034         | Flesh Pink        |
|   | 36 - 38 | 14      | RCL0041         | Salmon            |
|   | 39 - 40 | 15      | RCL0042         | Deep Salmon       |
|   | 41 - 43 | 16      | RCL0044         | Middle Rose       |
|   | 44 - 45 | 17      | RCL0318         | Mayan Sun         |
|   | 46 - 48 | 18      | RCL0321         | Soft Golden Amber |
|   | 49 - 50 | 19      | RCL0325         | Henna Sky         |
|   | 51 - 53 | 20      | RCL0333         | Blush Pink        |
|   | 54 - 55 | 21      | RSS2001         | VS-Red            |
|   | 56 - 58 | 22      | L700748         | Seedy Pink        |
|   | 59 - 61 | 23      | L700779         | Bastard Pink      |
|   | 62 - 63 | 24      | L700781         | Terry Red         |
|   | 64 - 66 | 25      | L700790         | Moroccan Pink     |
|   | 67 - 68 | 26      | L700794         | Pretty n Pink     |
| 69 - 71                                     | 27      | L700795 | Magical Magenta |                   |
| 72 - 73                                     | 28      | LCF0002 | Rose Pink       |                   |
| 74 - 76                                     | 29      | LCF0008 | Dark Salmon     |                   |
| 77 - 78                                     | 30      | LCF0019 | Fire            |                   |
| 79 - 81                                     | 31      | LCF0024 | Scarlet         |                   |
| 82 - 84                                     | 32      | LCF0025 | Sunset Red      |                   |
| 85 - 86                                     | 33      | LCF0026 | Bright Red      |                   |
| 87 - 89                                     | 34      | LCF0035 | Light Pink      |                   |
| 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)<br>(Preset<br>CH3: 141 ~ 152) | 0 - 4    | 1       | RCL0002                 | Bastard Amber      |
|   | 5 - 7    | 2       | RCL0008                 | Pale Gold          |
|   | 8 - 10   | 3       | RCL0016                 | Light Amber        |
|   | 11 - 12  | 4       | RCL0017                 | Light Flame        |
|   | 13 - 15  | 5       | RCL0018                 | Flame              |
| 8 (for Gel 2)<br>(Preset<br>CH7: 141 ~ 152) | 16 - 17  | 6       | RCL0023                 | Orange             |
|   | 18 - 20  | 7       | RCL0099                 | Chocolate          |
|   | 21 - 22  | 8       | RCL0302                 | Pale Bastard Amber |
|   | 23 - 25  | 9       | RCL0316                 | Gallo Gold         |
|   | 26 - 27  | 10      | RSS2002                 | VS-Orange          |
|   | 28 - 30  | 11      | L600604                 | Full CT            |
|   | 31 - 33  | 12      | L600651                 | HI Sodium          |
|   | 34 - 35  | 13      | L600652                 | Urban Sodium       |
|   | 36 - 38  | 14      | L700747                 | Easy White         |
|   | 39 - 40  | 15      | L700773                 | Cardbox Amber      |
|   | 41 - 43  | 16      | L700776                 | Nectarine          |
|   | 44 - 45  | 17      | L700778                 | Millennium Gold    |
|   | 46 - 48  | 18      | LCF0004                 | Med.Bastard Amber  |
|   | 49 - 50  | 19      | LCF0009                 | Pale Amber Gold    |
|   | 51 - 53  | 20      | LCF0017                 | Surprise Peach     |
|   | 54 - 55  | 21      | LCF0021                 | Gold Amber         |
|   | 56 - 58  | 22      | LCF0022                 | Dark Amber         |
|   | 59 - 61  | 23      | LCF0105                 | Orange             |
|   | 62 - 63  | 24      | LCF0134                 | Golden Amber       |
|   | 64 - 66  | 25      | LCF0135                 | Deep Golden Amber  |
|   | 67 - 68  | 26      | LCF0147                 | Apricot            |
|   | 69 - 71  | 27      | LCF0152                 | Pale Gold          |
|   | 72 - 73  | 28      | LCF0156                 | Chocolate          |
|   | 74 - 76  | 29      | LCF0162                 | Bastard Amber      |
|   | 77 - 78  | 30      | LCF0179                 | Chrome Orange      |
|   | 79 - 81  | 31      | LCS0774                 | Soft Amber Key 1   |
|   | 82 - 84  | 32      | LCS0775                 | Soft Amber Key 2   |
| 85 - 86                                     | 33       | LCS0791 | Moroccan Frost          |                    |
| 87 - 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)<br>(Preset<br>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)<br>(Preset<br>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)<br>(Preset<br>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)<br>(Preset<br>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)<br>(Preset<br>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)<br>(Preset<br>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)<br>(Preset<br>CH3: 192 ~ 203 | 0 - 4    | 1        | RSS2010  | VS-Magenta              |
|  | 5 - 7    | 2        | RSS2009  | VS-Violet               |
|  | 8 - 10   | 3        | RCL0051  | Surprise Pink           |
|  | 11 - 12  | 4        | RCL0047  | Light Rose Purple       |
|  | 13 - 15  | 5        | RCL0037  | Pale Rose Pink          |
| 8 (for Gel 2)<br>(Preset<br>CH7: 192 ~ 203 | 16 - 17  | 6        | RCA4990  | Lavender 90             |
|  | 18 - 20  | 7        | RCA4960  | Lavender 60             |
|  | 21 - 22  | 8        | RCA4930  | Lavender 30             |
|  | 23 - 25  | 9        | RCA4915  | Lavender 15             |
|  | 26 - 27  | 10       | RCA4790  | Magenta 90              |
|  | 28 - 30  | 11       | RCA4760  | Magenta 60              |
|  | 31 - 33  | 12       | RCA4730  | Magenta 30              |
|  | 34 - 35  | 13       | RCA4715  | Magenta 15              |
|  | 36 - 38  | 14       | L700700  | Perfect Lavender        |
|  | 39 - 40  | 15       | L700701  | Provence                |
|  | 41 - 43  | 16       | L700702  | Sp Pale Lavender        |
|  | 44 - 45  | 17       | L700703  | Cold Lavender           |
|  | 46 - 48  | 18       | L700704  | Lily                    |
|  | 49 - 50  | 19       | L700706  | King Fals Lavender      |
|  | 51 - 53  | 20       | L700709  | Electric Lilac          |
|  | 54 - 55  | 21       | LCF0003  | Lavender Tint           |
|  | 56 - 58  | 22       | LCF0052  | Light Lavender          |
|  | 59 - 61  | 23       | LCF0053  | Paler Lavender          |
|  | 62 - 63  | 24       | LCF0058  | Lavender                |
|  | 64 - 66  | 25       | LCF0136  | Pale Lavender           |
|  | 67 - 68  | 26       | LCF0137  | Special Lavender        |
|  | 69 - 71  | 27       | LCF0142  | Pale Violet             |
|  | 72 - 73  | 28       | LCF0169  | Lilac Tint              |
|  | 74 - 76  | 29       | LCF0170  | Deep Lavender           |
|  | 77 - 78  | 30       | LCF0180  | Dark Lavender           |
|  | 79 - 81  | 31       | LCF0194  | Surprise Pink           |
|  | 82 - 255 | 32 - 100 |          | Reserved for future use |

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 - 29                                  | Hold 3 sec. and keep to activate the High Speed Mode                         |
|             | 80 - 229   | 28 - 89                                  | No Effect, Reserved for future use<br>(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)<br>(Preset<br>CH5,6: 0 – 3275<br>)    | 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)<br>(Preset<br>CH13,14: 0– 3275<br>) | 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 |                    |

|   |              |    |                         |
|---|--------------|----|-------------------------|
| <b>Filter code for CTO under Color Correction</b>         |              |    |                         |
| 7,8 (for Gel 1)<br>(Preset<br>CH5,6: 3276 – 6553<br>)     | 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)<br>(Preset<br>CH13,14: 3276 – 6553<br>) | 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)<br>(Preset<br>CH5,6: 6554 – 9830<br>)    | 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)<br>(Preset<br>CH13,14: 6554 – 983<br>) | 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                |
|---|---------------|----------|-------------------------|
| Filter code for +/-Green under Color Correction           |               |          |                         |
| 7,8 (for Gel 1)<br>(Preset<br>CH5,6: 9831 – 13106<br>)    | 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)<br>(Preset<br>CH13,14: 9831 – 1310<br>) | 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 |                         |

|   |               |    |                           |
|---|---------------|----|---------------------------|
| Filter code for Misc under Color Correction               |               |    |                           |
| 7,8 (for Gel 1)<br>(Preset<br>CH5,6: 13107 – 16383<br>)   | 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)<br>(Preset<br>CH13,14: 13107 – 163<br>) | 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)<br>(Preset<br>CH5,6: 32768 – 36044<br>)     | 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)<br>(Preset<br>CH13,14: 32768 – 36044<br>) | 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)<br>(Preset<br>CH5,6: 36045 – 39320<br>)    | 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)<br>(Preset<br>CH13,14: 36045 – 3932<br>) | 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 |                            |

**Filmgear LED Lights DMX Chart for 3x3 Pixels**

V1.1.0 or +

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

| DMX Channel  | Value         | Percent | Function                     |
|--|---------------|---------|------------------------------|
| Filter code for Yellow                                     |               |         |                              |
| 7,8 (for Gel 1)<br>(Preset<br>CH5,6: 39321 – 42597<br>)    | 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)<br>(Preset<br>CH13,14: 39321 – 4259<br>) | 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      |

**Filmgear LED Lights DMX Chart for 3x3 Pixels**

V1.1.0 or +

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

| DMX Channel  | Value         | Percent  | Function                  |
|--|---------------|----------|---------------------------|
| Filter code for Green                                      |               |          |                           |
| 7,8 (for Gel 1)<br>(Preset<br>CH5,6: 42598 – 45874<br>)    | 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)<br>(Preset<br>CH13,14: 42598 – 4587<br>) | 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 |                           |

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

| DMX Channel   | Value         | Percent                  | Function                  |
|---|---------------|--------------------------|---------------------------|
| Filter code for Blue  |               |                          |                           |
| 7,8 (for Gel 1)<br>(Preset<br>CH5,6: 45875 – 49151<br>)     | 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)<br>(Preset<br>CH13,14: 45875 – 49151<br>) | 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)<br>(Preset<br>CH5,6: 49152 – 52427<br>)    | 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)<br>(Preset<br>CH13,14: 49152 – 5242<br>) | 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   |
|-------------|--|----------|--|
| 9           | 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   |
| 10          | 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<br>(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)     |                  |  |   |
| 12          | Transition Type  |  |   |
|             | 0~41             | 0~16   | Direct  |
|             | 42~83            | 17~32  | Through White Point   |
|             | 84~125           | 33~49  | Through Black Point   |
|             | 126~167          | 50~65  | Dissolve (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) |   |
| 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 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<br>(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   |
|-------|--|----------|---------|--|
| 12    | 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  |
| 13    | 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   |
| 14    | 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<br>(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<br>Preset: Ch2: 10-19 |             |         |         |            |
| 1                                  | 3           | 0 – 255 | 0 – 100 | Speed      |
| 2                                  | 4           | 0 – 255 | 0 – 100 | Saturation |

|                              |   |                   |          |              |
|------------------------------|---|-------------------|----------|--------------|
| Candle<br>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<br>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<br>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<br>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<br>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.<br>(2000K~15000K)               |
| 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<br>White --> Color |
| 6                               | 8           | 0 - 255                    | 0 - 100  | Adjust HUE (0~359)                          |
| 7                               | 9           | 0 - 255                    | 0 - 100  | Adjust Saturation (0~100%)                  |

|                            |   |                   |          |         |
|----------------------------|---|-------------------|----------|---------|
| Fire<br>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<br>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<br>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.<br>(2000K~15000K)               |
| 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<br>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<br>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.<br>(2000K~15000K)               |
| 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<br>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.<br>(2000K~15000K)               |
| 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<br>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.<br>(2000K~15000K)               |
| 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<br>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<br>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.<br>(2000K~15000K)               |
| 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<br>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.<br>(2000K~15000K)               |
| 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<br>White --> Color |
| 6                    | 8      | 0 – 255                    | 0 – 100 | Adjust HUE (0~359)                          |
| 7                    | 9      | 0 – 255                    | 0 – 100 | Adjust Saturation (0~100%)                  |

**Filmgear LED Lights DMX Chart for 3x3 Pixels**

V1.1.0 or +

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

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

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

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

|                            |                  |               |          |           |
|----------------------------|------------------|---------------|----------|-----------|
| Club<br>Preset: Ch3: 40-49 |                  |               |          |           |
| 1                          | 5 (Hi)<br>6 (Lo) | 0 – 65535     | 0 – 100  | Speed     |
| 2                          | 7 (Hi)<br>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 |

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

Mode 21 : Effects, 16 bit resolution per function

| Para.              | DMX Channel | Value                      | Percent  | Function                                    |
|--------------------|-------------|----------------------------|----------|---|
| <b>Explosion</b>   |             |                            |          |   |
| 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)      | 0 - 65535                  | 0 - 100  | Decay                                       |
|                    | 8 (Lo)      |                            |          |   |
| 3                  | 9 (Hi)      | 0 - 65535                  | 0 - 100  | Color Temp.<br>(2000K~15000K)               |
|                    | 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<br>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)     |                            |          |   |

|                    |        |                   |          |         |
|--------------------|--------|-------------------|----------|---------|
| <b>Fire</b>        |        |                   |          |         |
| Preset: Ch3: 70-79 |        |                   |          |         |
| 1                  | 5 (Hi) | 0 - 65535         | 0 - 100  | Speed   |
|                    | 6 (Lo) |                   |          |         |
| 2                  | 7 (Hi) | Color Temperature |          |         |
|                    | 8 (Lo) | 0 - 21804         | 0 - 33   | Warm    |
|                    |        | 21805 - 43520     | 34 - 66  | Neutral |
|                    |        | 43521 - 65535     | 67 - 100 | Cold    |

|                    |        |               |          |           |
|--------------------|--------|---------------|----------|-----------|
| <b>Fireworks</b>   |        |               |          |           |
| Preset: Ch3: 80-89 |        |               |          |           |
| 1                  | 5 (Hi) | 0 - 65535     | 0 - 100  | Speed     |
|                    | 6 (Lo) |               |          |           |
| 2                  | 7 (Hi) | Combination   |          |           |
|                    | 8 (Lo) | 0 - 21804     | 0 - 33   | RGB       |
|                    |        | 21805 - 43520 | 34 - 66  | White     |
|                    |        | 43521 - 65535 | 67 - 100 | RGB+White |

Mode 21 : Effects, 16 bit resolution per function

| Para.                              | DMX Channel        | Value                      | Percent         | Function                                    |
|------------------------------------|--------------------|----------------------------|-----------------|---|
| Flu. Flicker<br>Preset: Ch3: 90-99 |                    |                            |                 |   |
| 1                                  | 5 (Hi)<br>6 (Lo)   | 0 – 65535                  | 0 – 100         | Speed                                       |
| 2                                  | 7 (Hi)<br>8 (Lo)   | 0 – 65535                  | 0 – 100         | Frequency                                   |
| 3                                  | 9 (Hi)<br>10 (Lo)  | 0 – 65535                  | 0 – 100         | Color Temp.<br>(2000K~15000K)               |
| 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)<br>14 (Lo) | 0 – 65535                  | 0 – 100         | Color Change Coefficient<br>White --> Color |
| 6                                  | 15 (Hi)<br>16 (Lo) | 0 – 65535                  | 0 – 100         | Adjust HUE (0~359)                          |
| 7                                  | 17 (Hi)<br>18 (Lo) | 0 – 65535                  | 0 – 100         | Adjust Saturation (0~100%)                  |
| 8                                  | 19 (Hi)<br>20 (Lo) | 65535                      | 100             | Sync  |

|                                   |                    |                            |                 |   |
|-----------------------------------|--------------------|----------------------------|-----------------|---|
| Lightning<br>Preset: Ch3: 100-109 |                    |                            |                 |   |
| 1                                 | 5 (Hi)<br>6 (Lo)   | 0 – 65535                  | 0 – 100         | Frequency                                   |
| 2                                 | 7 (Hi)<br>8 (Lo)   | 0 – 65535                  | 0 – 100         | Density                                     |
| 3                                 | 9 (Hi)<br>10 (Lo)  | 0 – 65535                  | 0 – 100         | Color Temp.<br>(2000K~15000K)               |
| 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)<br>14 (Lo) | 0 – 65535                  | 0 – 100         | Color Change Coefficient<br>White --> Color |
| 6                                 | 15 (Hi)<br>16 (Lo) | 0 – 65535                  | 0 – 100         | Adjust HUE (0~359)                          |
| 7                                 | 17 (Hi)<br>18 (Lo) | 0 – 65535                  | 0 – 100         | Adjust Saturation (0~100%)                  |
| 8                                 | 19 (Hi)<br>20 (Lo) | 65535                      | 100             | Sync  |

Mode 21 : Effects, 16 bit resolution per function

| Para.                 | DMX Channel        | Value                      | Percent  | Function                                    |
|-----------------------|--------------------|----------------------------|----------|---|
| Paparazzi             |                    |                            |          |   |
| Preset: Ch3: 1 10-119 |                    |                            |          |   |
| 1                     | 5 (Hi)<br>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)<br>10 (Lo)  | 0 – 65535                  | 0 – 100  | Color Temp.<br>(2000K~15000K)               |
| 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)<br>14 (Lo) | 0 – 65535                  | 0 – 100  | Color Change Coefficient<br>White --> Color |
| 6                     | 15 (Hi)<br>16 (Lo) | 0 – 65535                  | 0 – 100  | Adjust HUE (0~359)                          |
| 7                     | 17 (Hi)<br>18 (Lo) | 0 – 65535                  | 0 – 100  | Adjust Saturation (0~100%)                  |
| 8                     | 19 (Hi)<br>20 (Lo) | 65535                      | 100      | Sync  |

|                      |          |                         |          |                     |
|----------------------|----------|-------------------------|----------|---------------------|
| 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 |          |                     |

Mode 21 : Effects, 16 bit resolution per function

| Para.                | DMX Channel        | Value                      | Percent  | Function                                    |
|----------------------|--------------------|----------------------------|----------|---|
| Process              |                    |                            |          |   |
| Preset: Ch3: 130-139 |                    |                            |          |   |
| 1                    | 5 (Hi)<br>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)<br>10 (Lo)  | 0 – 65535                  | 0 – 100  | Color Temp.<br>(2000K~15000K)               |
| 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)<br>14 (Lo) | 0 – 65535                  | 0 – 100  | Color Change Coefficient<br>White --> Color |
| 6                    | 15 (Hi)<br>16 (Lo) | 0 – 65535                  | 0 – 100  | Adjust HUE (0~359)                          |
| 7                    | 17 (Hi)<br>18 (Lo) | 0 – 65535                  | 0 – 100  | Adjust Saturation (0~100%)                  |
| 8                    | 19 (Hi)<br>20 (Lo) | 65535                      | 100      | Sync  |

|                      |                    |                            |         |   |
|----------------------|--------------------|----------------------------|---------|---|
| Pulsing              |                    |                            |         |   |
| Preset: Ch3: 140-149 |                    |                            |         |   |
| 1                    | 5 (Hi)<br>6 (Lo)   | 0 – 65535                  | 0 – 100 | Frequency                                   |
| 2                    | 7 (Hi)<br>8 (Lo)   | 0 – 65535                  | 0 – 100 | Span (Pulse Duration)                       |
| 3                    | 9 (Hi)<br>10 (Lo)  | 0 – 65535                  | 0 – 100 | Color Temp.<br>(2000K~15000K)               |
| 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)<br>14 (Lo) | 0 – 65535                  | 0 – 100 | Color Change Coefficient<br>White --> Color |
| 6                    | 15 (Hi)<br>16 (Lo) | 0 – 65535                  | 0 – 100 | Adjust HUE (0~359)                          |
| 7                    | 17 (Hi)<br>18 (Lo) | 0 – 65535                  | 0 – 100 | Adjust Saturation (0~100%)                  |
| 8                    | 19 (Hi)<br>20 (Lo) | 65535                      | 100     | Sync  |

Mode 21 : Effects, 16 bit resolution per function

| Para.                | DMX Channel        | Value                      | Percent         | Function                                    |
|----------------------|--------------------|----------------------------|-----------------|---|
| Strobe               |                    |                            |                 |   |
| Preset: Ch3: 150-159 |                    |                            |                 |   |
| 1                    | 5 (Hi)<br>6 (Lo)   | 0 – 65535                  | 0 – 100         | Strobe ON                                   |
| 2                    | 7 (Hi)<br>8 (Lo)   | 0 – 65535                  | 0 – 100         | Strobe OFF                                  |
| 3                    | 9 (Hi)<br>10 (Lo)  | 0 – 65535                  | 0 – 100         | Color Temp.<br>(2000K~15000K)               |
| 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)<br>14 (Lo) | 0 – 65535                  | 0 – 100         | Color Change Coefficient<br>White --> Color |
| 6                    | 15 (Hi)<br>16 (Lo) | 0 – 65535                  | 0 – 100         | Adjust HUE (0~359)                          |
| 7                    | 17 (Hi)<br>18 (Lo) | 0 – 65535                  | 0 – 100         | Adjust Saturation (0~100%)                  |
| 8                    | 19 (Hi)<br>20 (Lo) | 65535                      | 100             | Sync  |

|                      |                  |                   |         |         |
|----------------------|------------------|-------------------|---------|---------|
| TV                   |                  |                   |         |         |
| Preset: Ch3: 160-169 |                  |                   |         |         |
| 1                    | 5 (Hi)<br>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                                    |
|----------------------|--------------------|----------------------------|-----------------|---|
| <b>Welding</b>       |                    |                            |                 |   |
| Preset: Ch3: 170-179 |                    |                            |                 |   |
| 1                    | 5 (Hi)<br>6 (Lo)   | 0 – 65535                  | 0 – 100         | Speed                                       |
| 2                    | 7 (Hi)<br>8 (Lo)   | 0 – 65535                  | 0 – 100         | Min Intensity Level                         |
| 3                    | 9 (Hi)<br>10 (Lo)  | 0 – 65535                  | 0 – 100         | Color Temp.<br>(2000K~15000K)               |
| 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)<br>14 (Lo) | 0 – 65535                  | 0 – 100         | Color Change Coefficient<br>White --> Color |
| 6                    | 15 (Hi)<br>16 (Lo) | 0 – 65535                  | 0 – 100         | Adjust HUE (0~359)                          |
| 7                    | 17 (Hi)<br>18 (Lo) | 0 – 65535                  | 0 – 100         | Adjust Saturation (0~100%)                  |

|                      |                    |                   |          |                    |
|----------------------|--------------------|-------------------|----------|--------------------|
| <b>Rotate</b>        |                    |                   |          |                    |
| Preset: Ch3: 180-189 |                    |                   |          |                    |
| 1                    | 5 (Hi)<br>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)<br>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.<br>(2000K~15000K)  |
| 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<br>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)<br>(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)<br>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   |
| 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<br>(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.<br>(2000K~15000K)  |
| 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<br>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)<br>(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)<br>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.<br>(2000K~15000K)  |
| 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<br>White --> Color  |
| 15          | 0 – 255  | 0 – 100         | Adjust HUE (0~359)   |
| 16          | 0 – 255  | 0 – 100         | Adjust Saturation (0~100%)   |
| 17          | Column 2: Strobe Frequency (Light Off Time while activated Strobe) |                 |  |
|             | 0 - 26   | 0 - 10          | No Effect (Always On, No strobe)<br>(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)<br>50ms - 5 Sec   |
| 19          | Column 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   |

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

| DMX Channel | Value  | Percent         | Function   |
|-------------|--|-----------------|--|
| 21          | Max. Intensity for Column 3  |                 |  |
|             | 0 – 255  | 0 – 100         | 0 % (closed) → 100% (open)   |
| 22          | 0 – 255  | 0 – 100         | Color Temp.<br>(2000K~15000K)  |
| 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<br>White --> Color  |
| 25          | 0 – 255  | 0 – 100         | Adjust HUE (0~359)   |
| 26          | 0 – 255  | 0 – 100         | Adjust Saturation (0~100%)   |
| 27          | Column 3: Strobe Frequency (Light Off Time while activated Strobe) |                 |  |
|             | 0 - 26   | 0 - 10          | No Effect (Always On, No strobe)<br>(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         | Column 3: Duration Time (Light On Time while Strobing)<br>50ms - 5 Sec   |
| 29          | Column 3: 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   |
| 31          | 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   |
|-------------|--|----------|--|
| 32          | 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   |
| 33          | 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<br>(Performed Normal Mode at this moment) |
|             | 230 - 255  | 90 – 100 | Normal Mode; Turn OFF "ALL Special Mode"                                     |
| 34          |  |          | 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.<br>(2000K~15000K)  |
| 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<br>White --> Color  |
| 5           | 0 – 255   | 0 – 100  | Adjust HUE (0~359)   |
| 6           | 0 – 255   | 0 – 100  | Adjust Saturation (0~100%)   |
| 7           | Row 1: Strobe Frequency (Light Off Time while activated Strobe) |          |  |
|             | 0 - 26  | 0 - 10   | No Effect (Always On, No strobe)<br>(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)<br>50ms - 5 Sec  |
| 9           | Row 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 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.<br>(2000K~15000K)  |
| 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<br>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)<br>(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)<br>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   |

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

| DMX Channel | Value   | Percent         | Function   |
|-------------|---|-----------------|--|
| 21          | Max. Intensity for Row 3  |                 |  |
|             | 0 – 255   | 0 – 100         | 0 % (closed) → 100% (open)   |
| 22          | 0 – 255   | 0 – 100         | Color Temp.<br>(2000K~15000K)  |
| 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<br>White --> Color  |
| 25          | 0 – 255   | 0 – 100         | Adjust HUE (0~359)   |
| 26          | 0 – 255   | 0 – 100         | Adjust Saturation (0~100%)   |
| 27          | Row 3: Strobe Frequency (Light Off Time while activated Strobe) |                 |  |
|             | 0 - 26  | 0 - 10          | No Effect (Always On, No strobe)<br>(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         | Row 3: Duration Time (Light On Time while Strobing)<br>50ms - 5 Sec  |
| 29          | Row 3: 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   |
| 31          | 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   |
|-------------|--|----------|--|
| 32          | 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   |
| 33          | 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<br>(Performed Normal Mode at this moment) |
|             | 230 - 255  | 90 – 100 | Normal Mode; Turn OFF "ALL Special Mode"                                     |
| 34          |  |          | 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.<br>(2000K~15000K)  |
| 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<br>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)<br>(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)<br>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.<br>(2000K~15000K)  |
| 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<br>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)<br>(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)<br>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.<br>(2000K~15000K)  |
| 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<br>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)<br>(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)<br>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.<br>(2000K~15000K)  |
| 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<br>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)<br>(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)<br>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   |

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

| DMX Channel | Value  | Percent         | Function   |
|-------------|--|-----------------|--|
| 41          | Max. Intensity for Lamphead 5  |                 |  |
|             | 0 – 255  | 0 – 100         | 0 % (closed) → 100% (open)   |
| 42          | 0 – 255  | 0 – 100         | Color Temp.<br>(2000K~15000K)  |
| 43          | Green / Magenta Adjustment   |                 |  |
|             | 0~10   | 0~4             | neutral / no effect  |
|             | 11~20  | 5~8             | full minus green   |
|             | 21~119   | 9~46            | -99% --> -1%   |
|             | 120~145  | 47~57           | neutral / no effect  |
|             | 146~244  | 58~96           | 1% --> 99%   |
| 245~255     | 97~100   | full plus green |  |
| 44          | 0 – 255  | 0 – 100         | Color Change Coefficient<br>White --> Color  |
| 45          | 0 – 255  | 0 – 100         | Adjust HUE (0~359)   |
| 46          | 0 – 255  | 0 – 100         | Adjust Saturation (0~100%)   |
| 47          | Lamphead 5: Strobe Frequency (Light Off Time while activated Strobe) |                 |  |
|             | 0 - 26   | 0 - 10          | No Effect (Always On, No strobe)<br>(If set in this region, Duration and Pause settings will not be considered because they are always on) |
|             | 27 - 255   | 11 - 255        | 50ms - 5 Sec   |
| 48          | 0 - 255  | 0 - 100         | Lamphead 5: Duration Time (Light On Time while Strobing)<br>50ms - 5 Sec   |
| 49          | Lamphead 5: Pause  |                 |  |
|             | 0 - 26   | 0 - 10          | 0, No Pause  |
|             | 27 - 255   | 11 - 100        | 50ms - 5 Sec   |
| 50          | Light Source Strobe Type   |                 |  |
|             | 0 – 127  | 0 – 50          | LED Type   |
|             | 128 – 255  | 51 – 100        | Par 64 Lamp Type   |

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

| DMX Channel | Value  | Percent         | Function   |
|-------------|--|-----------------|--|
| 51          | Max. Intensity for Lamphead 6  |                 |  |
|             | 0 – 255  | 0 – 100         | 0 % (closed) → 100% (open)   |
| 52          | 0 – 255  | 0 – 100         | Color Temp.<br>(2000K~15000K)  |
| 53          | Green / Magenta Adjustment   |                 |  |
|             | 0~10   | 0~4             | neutral / no effect  |
|             | 11~20  | 5~8             | full minus green   |
|             | 21~119   | 9~46            | -99% --> -1%   |
|             | 120~145  | 47~57           | neutral / no effect  |
|             | 146~244  | 58~96           | 1% --> 99%   |
| 245~255     | 97~100   | full plus green |  |
| 54          | 0 – 255  | 0 – 100         | Color Change Coefficient<br>White --> Color  |
| 55          | 0 – 255  | 0 – 100         | Adjust HUE (0~359)   |
| 56          | 0 – 255  | 0 – 100         | Adjust Saturation (0~100%)   |
| 57          | Lamphead 6: Strobe Frequency (Light Off Time while activated Strobe) |                 |  |
|             | 0 - 26   | 0 - 10          | No Effect (Always On, No strobe)<br>(If set in this region, Duration and Pause settings will not be considered because they are always on) |
|             | 27 - 255   | 11 - 255        | 50ms - 5 Sec   |
| 58          | 0 - 255  | 0 - 100         | Lamphead 6: Duration Time (Light On Time while Strobing)<br>50ms - 5 Sec   |
| 59          | Lamphead 6: Pause  |                 |  |
|             | 0 - 26   | 0 - 10          | 0, No Pause  |
|             | 27 - 255   | 11 - 100        | 50ms - 5 Sec   |
| 60          | Light Source Strobe Type   |                 |  |
|             | 0 – 127  | 0 – 50          | LED Type   |
|             | 128 – 255  | 51 – 100        | Par 64 Lamp Type   |

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

| DMX Channel | Value  | Percent         | Function   |
|-------------|--|-----------------|--|
| 61          | Max. Intensity for Lamphead 7  |                 |  |
|             | 0 – 255  | 0 – 100         | 0 % (closed) → 100% (open)   |
| 62          | 0 – 255  | 0 – 100         | Color Temp.<br>(2000K~15000K)  |
| 63          | 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 |  |
| 64          | 0 – 255  | 0 – 100         | Color Change Coefficient<br>White --> Color  |
| 65          | 0 – 255  | 0 – 100         | Adjust HUE (0~359)   |
| 66          | 0 – 255  | 0 – 100         | Adjust Saturation (0~100%)   |
| 67          | Lamphead 7: Strobe Frequency (Light Off Time while activated Strobe) |                 |  |
|             | 0 - 26   | 0 - 10          | No Effect (Always On, No strobe)<br>(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   |
| 68          | 0 - 255  | 0 - 100         | Lamphead 7: Duration Time (Light On Time while Strobing)<br>50ms - 5 Sec   |
| 69          | Lamphead 7: Pause  |                 |  |
|             | 0 - 26   | 0 - 10          | 0, No Pause  |
|             | 27 - 255   | 11 - 100        | 50ms - 5 Sec   |
| 70          | 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   |
|-------------|--|-----------------|--|
| 71          | Max. Intensity for Lamphead 8  |                 |  |
|             | 0 – 255  | 0 – 100         | 0 % (closed) → 100% (open)   |
| 72          | 0 – 255  | 0 – 100         | Color Temp.<br>(2000K~15000K)  |
| 73          | 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 |  |
| 74          | 0 – 255  | 0 – 100         | Color Change Coefficient<br>White --> Color  |
| 75          | 0 – 255  | 0 – 100         | Adjust HUE (0~359)   |
| 76          | 0 – 255  | 0 – 100         | Adjust Saturation (0~100%)   |
| 77          | Lamphead 8: Strobe Frequency (Light Off Time while activated Strobe) |                 |  |
|             | 0 - 26   | 0 - 10          | No Effect (Always On, No strobe)<br>(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   |
| 78          | 0 - 255  | 0 - 100         | Lamphead 8: Duration Time (Light On Time while Strobing)<br>50ms - 5 Sec   |
| 79          | Lamphead 8: Pause  |                 |  |
|             | 0 - 26   | 0 - 10          | 0, No Pause  |
|             | 27 - 255   | 11 - 100        | 50ms - 5 Sec   |
| 80          | 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   |
|-------------|--|-----------------|--|
| 81          | Max. Intensity for Lamphead 9  |                 |  |
|             | 0 – 255  | 0 – 100         | 0 % (closed) → 100% (open)   |
| 82          | 0 – 255  | 0 – 100         | Color Temp.<br>(2000K~15000K)  |
| 83          | 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 |  |
| 84          | 0 – 255  | 0 – 100         | Color Change Coefficient<br>White --> Color  |
| 85          | 0 – 255  | 0 – 100         | Adjust HUE (0~359)   |
| 86          | 0 – 255  | 0 – 100         | Adjust Saturation (0~100%)   |
| 87          | Lamphead 9: Strobe Frequency (Light Off Time while activated Strobe) |                 |  |
|             | 0 - 26   | 0 - 10          | No Effect (Always On, No strobe)<br>(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   |
| 88          | 0 - 255  | 0 - 100         | Lamphead 9: Duration Time (Light On Time while Strobing)<br>50ms - 5 Sec   |
| 89          | Lamphead 9: Pause  |                 |  |
|             | 0 - 26   | 0 - 10          | 0, No Pause  |
|             | 27 - 255   | 11 - 100        | 50ms - 5 Sec   |
| 90          | Light Source Strobe Type   |                 |  |
|             | 0 – 127  | 0 – 50          | LED Type   |
|             | 128 – 255  | 51 – 100        | Par 64 Lamp Type   |
| 91          | 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   |
|-------------|--|----------|--|
| 92          | 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   |
| 93          | 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<br>(Performed Normal Mode at this moment) |
|             | 230 - 255  | 90 – 100 | Normal Mode; Turn OFF "ALL Special Mode"                                     |
| 94          |  |          | 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.<br>(2000K~15000K)               |
| 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<br>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.<br>(2000K~15000K)               |
| 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<br>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          | Max. Intensity for Column 3 |                 |   |
|             | 0 – 255                     | 0 – 100         | 0 % (closed) → 100% (open)                  |
| 18          | 0 – 255                     | 0 – 100         | Color Temp.<br>(2000K~15000K)               |
| 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<br>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          | 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 26 : 8-bit functional setting of Professional Column Control CCT/RGBW

| DMX Channel | Value  | Percent  | Function   |
|-------------|--|----------|--|
| 26          | 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   |
|             |  |          |  |
| 27          | 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<br>(Performed Normal Mode at this moment) |
|             | 230 - 255  | 90 – 100 | Normal Mode; Turn OFF "ALL Special Mode"                                     |
|             |  |          |  |
| 28          |  |          | Reserved for future use  |

**Filmgear LED Lights DMX Chart for 3x3 Pixels**

V1.1.0 or +

Manufacture ID: 0x4142

Model ID: #REF! 0x2302

**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.<br>(2000K~15000K)               |
| 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<br>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                |

**Filmgear LED Lights DMX Chart for 3x3 Pixels**

V1.1.0 or +

Manufacture ID: 0x4142

Model ID: #REF! 0x2302

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

| DMX Channel | Value                      | Percent | Function                                    |
|-------------|----------------------------|---------|---|
| 9           | Max. Intensity for Row 2   |         |   |
|             | 0 – 255                    | 0 – 100 | 0 % (closed) → 100% (open)                  |
| 10          | 0 – 255                    | 0 – 100 | Color Temp.<br>(2000K~15000K)               |
| 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<br>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                |

**Filmgear LED Lights DMX Chart for 3x3 Pixels**

V1.1.0 or +

Manufacture ID: 0x4142

Model ID: #REF! 0x2302

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

| DMX Channel | Value                      | Percent  | Function                                    |
|-------------|----------------------------|----------|---|
| 17          | Max. Intensity for Row 3   |          |   |
|             | 0 – 255                    | 0 – 100  | 0 % (closed) → 100% (open)                  |
| 18          | 0 – 255                    | 0 – 100  | Color Temp.<br>(2000K~15000K)               |
| 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<br>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          | 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 |   |

**Filmgear LED Lights DMX Chart for 3x3 Pixels**

V1.1.0 or +

Manufacture ID: 0x4142

Model ID: #REF! 0x2302

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

| DMX Channel | Value  | Percent                                  | Function   |
|-------------|--|--|--|
| 26          | 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   |
| 27          | 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<br>(Performed Normal Mode at this moment) |
| 230 - 255   | 90 – 100   | Normal Mode; Turn OFF "ALL Special Mode" |  |
| 28          |  |  | 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.<br>(2000K~15000K)               |
| 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<br>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.<br>(2000K~15000K)               |
| 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<br>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.<br>(2000K~15000K)               |
| 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<br>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.<br>(2000K~15000K)               |
| 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<br>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          | Max. Intensity for Lamphead 5 |                 |   |
|             | 0 – 255                       | 0 – 100         | 0 % (closed) → 100% (open)                  |
| 34          | 0 – 255                       | 0 – 100         | Color Temp.<br>(2000K~15000K)               |
| 35          | Green / Magenta Adjustment    |                 |   |
|             | 0~10                          | 0~4             | neutral / no effect                         |
|             | 11~20                         | 5~8             | full minus green                            |
|             | 21~119                        | 9~46            | -99% --> -1%                                |
|             | 120~145                       | 47~57           | neutral / no effect                         |
|             | 146~244                       | 58~96           | 1% --> 99%                                  |
| 245~255     | 97~100                        | full plus green |   |
| 36          | 0 – 255                       | 0 – 100         | Color Change Coefficient<br>White --> Color |
| 37          | 0 – 255                       | 0 – 100         | Adjust Red Color intensity                  |
| 38          | 0 – 255                       | 0 – 100         | Adjust Green Color intensity                |
| 39          | 0 – 255                       | 0 – 100         | Adjust Blue Color intensity                 |
| 40          | 0 – 255                       | 0 – 100         | Adjust White Color intensity                |
| 41          | Max. Intensity for Lamphead 6 |                 |   |
|             | 0 – 255                       | 0 – 100         | 0 % (closed) → 100% (open)                  |
| 42          | 0 – 255                       | 0 – 100         | Color Temp.<br>(2000K~15000K)               |
| 43          | Green / Magenta Adjustment    |                 |   |
|             | 0~10                          | 0~4             | neutral / no effect                         |
|             | 11~20                         | 5~8             | full minus green                            |
|             | 21~119                        | 9~46            | -99% --> -1%                                |
|             | 120~145                       | 47~57           | neutral / no effect                         |
|             | 146~244                       | 58~96           | 1% --> 99%                                  |
| 245~255     | 97~100                        | full plus green |   |
| 44          | 0 – 255                       | 0 – 100         | Color Change Coefficient<br>White --> Color |
| 45          | 0 – 255                       | 0 – 100         | Adjust Red Color intensity                  |
| 46          | 0 – 255                       | 0 – 100         | Adjust Green Color intensity                |
| 47          | 0 – 255                       | 0 – 100         | Adjust Blue Color intensity                 |
| 48          | 0 – 255                       | 0 – 100         | Adjust White Color intensity                |

Mode 28 : 8-bit functional setting of Professional Individual Control CCT/RGBW

| DMX Channel | Value                         | Percent         | Function                                    |
|-------------|-------------------------------|-----------------|---|
| 49          | Max. Intensity for Lamphead 7 |                 |   |
|             | 0 – 255                       | 0 – 100         | 0 % (closed) → 100% (open)                  |
| 50          | 0 – 255                       | 0 – 100         | Color Temp.<br>(2000K~15000K)               |
| 51          | 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 |   |
| 52          | 0 – 255                       | 0 – 100         | Color Change Coefficient<br>White --> Color |
| 53          | 0 – 255                       | 0 – 100         | Adjust Red Color intensity                  |
| 54          | 0 – 255                       | 0 – 100         | Adjust Green Color intensity                |
| 55          | 0 – 255                       | 0 – 100         | Adjust Blue Color intensity                 |
| 56          | 0 – 255                       | 0 – 100         | Adjust White Color intensity                |
| 57          | Max. Intensity for Lamphead 8 |                 |   |
|             | 0 – 255                       | 0 – 100         | 0 % (closed) → 100% (open)                  |
| 58          | 0 – 255                       | 0 – 100         | Color Temp.<br>(2000K~15000K)               |
| 59          | 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 |   |
| 60          | 0 – 255                       | 0 – 100         | Color Change Coefficient<br>White --> Color |
| 61          | 0 – 255                       | 0 – 100         | Adjust Red Color intensity                  |
| 62          | 0 – 255                       | 0 – 100         | Adjust Green Color intensity                |
| 63          | 0 – 255                       | 0 – 100         | Adjust Blue Color intensity                 |
| 64          | 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                                    |
|-------------|-------------------------------|----------|---|
| 65          | Max. Intensity for Lamphead 9 |          |   |
|             | 0 – 255                       | 0 – 100  | 0 % (closed) → 100% (open)                  |
| 66          | 0 – 255                       | 0 – 100  | Color Temp.<br>(2000K~15000K)               |
| 67          | 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                             |
| 68          | 0 – 255                       | 0 – 100  | Color Change Coefficient<br>White --> Color |
| 69          | 0 – 255                       | 0 – 100  | Adjust Red Color intensity                  |
| 70          | 0 – 255                       | 0 – 100  | Adjust Green Color intensity                |
| 71          | 0 – 255                       | 0 – 100  | Adjust Blue Color intensity                 |
| 72          | 0 – 255                       | 0 – 100  | Adjust White Color intensity                |
| 73          | 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 28 : 8-bit functional setting of Professional Individual Control CCT/RGBW

| DMX Channel | Value  | Percent  | Function   |
|-------------|--|----------|--|
| 74          | 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   |
|             |  |          |  |
| 75          | 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<br>(Performed Normal Mode at this moment) |
|             | 230 - 255  | 90 – 100 | Normal Mode; Turn OFF "ALL Special Mode"                                     |
|             |  |          |  |
| 76          |  |          | 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 | (2000K~15000K)             |
| 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 | (2000K~15000K)             |
| 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 29 : 16-bit functional setting of Professional Column Control CCT/RGBW

| DMX Channel | Value                        | Percent  | Function                           |
|-------------|------------------------------|----------|------------------------------------|
| 33 (Hi)     | Max. Intensity for Column 3  |          |                                    |
| 34 (Lo)     | 0 – 65535                    | 0 – 100  | 0 % (closed) → 100% (open)         |
| 35 (Hi)     | Color Temp.                  |          |                                    |
| 36 (Lo)     | 0 – 65535                    | 0 – 100  | (2000K~15000K)                     |
| 37 (Hi)     | Green / Magenta Adjustment   |          |                                    |
| 38 (Lo)     | 0~5000                       | 0~7      | neutral / no effect                |
|             | 5001~10000                   | 8~15     | full minus green                   |
|             | 10001~29999                  | 16~46    | -99% --> -1%                       |
|             | 30000~40000                  | 47~61    | neutral / no effect                |
|             | 40001~59999                  | 62~92    | 1% --> 99%                         |
|             | 60000~65535                  | 93~100   | full plus green                    |
| 39 (Hi)     | Color Change Coefficient     |          |                                    |
| 40 (Lo)     | 0 – 65535                    | 0 – 100  | White --> Color                    |
| 41 (Hi)     | Adjust Red Color intensity   |          |                                    |
| 42 (Lo)     | 0 – 65535                    | 0 – 100  | 0 % (closed) → 100% (open)         |
| 43 (Hi)     | Adjust Green Color intensity |          |                                    |
| 44 (Lo)     | 0 – 65535                    | 0 – 100  | 0 % (closed) → 100% (open)         |
| 45 (Hi)     | Adjust Blue Color intensity  |          |                                    |
| 46 (Lo)     | 0 – 65535                    | 0 – 100  | 0 % (closed) → 100% (open)         |
| 47 (Hi)     | Adjust White Color intensity |          |                                    |
| 48 (Lo)     | 0 – 65535                    | 0 – 100  | 0 % (closed) → 100% (open)         |
| 49          | 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   |
|-------------|--|----------|--|
| 50          | 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   |
|             |  |          |  |
| 51          | 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<br>(Performed Normal Mode at this moment) |
|             | 230 - 255  | 90 – 100 | Normal Mode; Turn OFF "ALL Special Mode"                                     |
|             |  |          |  |
| 52          |  |          | 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 | (2000K~15000K)             |
| 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 | (2000K~15000K)             |
| 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 30 : 16-bit functional setting of Professional Row Control CCT/RGBW

| DMX Channel | Value                        | Percent  | Function                           |
|-------------|------------------------------|----------|------------------------------------|
| 33 (Hi)     | Max. Intensity for Row 3     |          |                                    |
| 34 (Lo)     | 0 – 65535                    | 0 – 100  | 0 % (closed) → 100% (open)         |
| 35 (Hi)     | Color Temp.                  |          |                                    |
| 36 (Lo)     | 0 – 65535                    | 0 – 100  | (2000K~15000K)                     |
| 37 (Hi)     | Green / Magenta Adjustment   |          |                                    |
| 38 (Lo)     | 0~5000                       | 0~7      | neutral / no effect                |
|             | 5001~10000                   | 8~15     | full minus green                   |
|             | 10001~29999                  | 16~46    | -99% --> -1%                       |
|             | 30000~40000                  | 47~61    | neutral / no effect                |
|             | 40001~59999                  | 62~92    | 1% --> 99%                         |
|             | 60000~65535                  | 93~100   | full plus green                    |
| 39 (Hi)     | Color Change Coefficient     |          |                                    |
| 40 (Lo)     | 0 – 65535                    | 0 – 100  | White --> Color                    |
| 41 (Hi)     | Adjust Red Color intensity   |          |                                    |
| 42 (Lo)     | 0 – 65535                    | 0 – 100  | 0 % (closed) → 100% (open)         |
| 43 (Hi)     | Adjust Green Color intensity |          |                                    |
| 44 (Lo)     | 0 – 65535                    | 0 – 100  | 0 % (closed) → 100% (open)         |
| 45 (Hi)     | Adjust Blue Color intensity  |          |                                    |
| 46 (Lo)     | 0 – 65535                    | 0 – 100  | 0 % (closed) → 100% (open)         |
| 47 (Hi)     | Adjust White Color intensity |          |                                    |
| 48 (Lo)     | 0 – 65535                    | 0 – 100  | 0 % (closed) → 100% (open)         |
| 49          | 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   |
|-------------|--|--|--|
| 50          | 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   |
|             |  |  |  |
| 51          | 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<br>(Performed Normal Mode at this moment) |
| 230 - 255   | 90 – 100   | Normal Mode; Turn OFF "ALL Special Mode" |  |
|             |  |  |  |
| 52          |  |  | 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 | (2000K~15000K)             |
| 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 | (2000K~15000K)             |
| 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 | (2000K~15000K)             |
| 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 | (2000K~15000K)             |
| 53 (Hi)     | Green / Magenta Adjustment    |         |                            |
| 54 (Lo)     | 0~5000                        | 0~7     | neutral / no effect        |
|             | 5001~10000                    | 8~15    | full minus green           |
|             | 10001~29999                   | 16~46   | -99% --> -1%               |
|             | 30000~40000                   | 47~61   | neutral / no effect        |
|             | 40001~59999                   | 62~92   | 1% --> 99%                 |
|             | 60000~65535                   | 93~100  | full plus green            |
| 55 (Hi)     | Color Change Coefficient      |         |                            |
| 56 (Lo)     | 0 – 65535                     | 0 – 100 | White --> Color            |
| 57 (Hi)     | Adjust Red Color intensity    |         |                            |
| 58 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 59 (Hi)     | Adjust Green Color intensity  |         |                            |
| 60 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 61 (Hi)     | Adjust Blue Color intensity   |         |                            |
| 62 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 63 (Hi)     | Adjust White Color intensity  |         |                            |
| 64 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |

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

| DMX Channel | Value                         | Percent | Function                   |
|-------------|-------------------------------|---------|----------------------------|
| 65 (Hi)     | Max. Intensity for Lamphead 5 |         |                            |
| 66 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 67 (Hi)     | Color Temp.                   |         |                            |
| 68 (Lo)     | 0 – 65535                     | 0 – 100 | (2000K~15000K)             |
| 69 (Hi)     | Green / Magenta Adjustment    |         |                            |
| 70 (Lo)     | 0~5000                        | 0~7     | neutral / no effect        |
|             | 5001~10000                    | 8~15    | full minus green           |
|             | 10001~29999                   | 16~46   | -99% --> -1%               |
|             | 30000~40000                   | 47~61   | neutral / no effect        |
|             | 40001~59999                   | 62~92   | 1% --> 99%                 |
|             | 60000~65535                   | 93~100  | full plus green            |
| 71 (Hi)     | Color Change Coefficient      |         |                            |
| 72 (Lo)     | 0 – 65535                     | 0 – 100 | White --> Color            |
| 73 (Hi)     | Adjust Red Color intensity    |         |                            |
| 74 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 75 (Hi)     | Adjust Green Color intensity  |         |                            |
| 76 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 77 (Hi)     | Adjust Blue Color intensity   |         |                            |
| 78 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 79 (Hi)     | Adjust White Color intensity  |         |                            |
| 80 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |

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

| DMX Channel | Value                         | Percent | Function                   |
|-------------|-------------------------------|---------|----------------------------|
| 81 (Hi)     | Max. Intensity for Lamphead 6 |         |                            |
| 82 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 83 (Hi)     | Color Temp.                   |         |                            |
| 84 (Lo)     | 0 – 65535                     | 0 – 100 | (2000K~15000K)             |
| 85 (Hi)     | Green / Magenta Adjustment    |         |                            |
| 86 (Lo)     | 0~5000                        | 0~7     | neutral / no effect        |
|             | 5001~10000                    | 8~15    | full minus green           |
|             | 10001~29999                   | 16~46   | -99% --> -1%               |
|             | 30000~40000                   | 47~61   | neutral / no effect        |
|             | 40001~59999                   | 62~92   | 1% --> 99%                 |
|             | 60000~65535                   | 93~100  | full plus green            |
| 87 (Hi)     | Color Change Coefficient      |         |                            |
| 88 (Lo)     | 0 – 65535                     | 0 – 100 | White --> Color            |
| 89 (Hi)     | Adjust Red Color intensity    |         |                            |
| 90 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 91 (Hi)     | Adjust Green Color intensity  |         |                            |
| 92 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 93 (Hi)     | Adjust Blue Color intensity   |         |                            |
| 94 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 95 (Hi)     | Adjust White Color intensity  |         |                            |
| 96 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |

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

| DMX Channel | Value                         | Percent | Function                   |
|-------------|-------------------------------|---------|----------------------------|
| 97 (Hi)     | Max. Intensity for Lamphead 7 |         |                            |
| 98 (Lo)     | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 99 (Hi)     | Color Temp.                   |         |                            |
| 100 (Lo)    | 0 – 65535                     | 0 – 100 | (2000K~15000K)             |
| 101 (Hi)    | Green / Magenta Adjustment    |         |                            |
| 102 (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            |
| 103 (Hi)    | Color Change Coefficient      |         |                            |
| 104 (Lo)    | 0 – 65535                     | 0 – 100 | White --> Color            |
| 105 (Hi)    | Adjust Red Color intensity    |         |                            |
| 106 (Lo)    | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 107 (Hi)    | Adjust Green Color intensity  |         |                            |
| 108 (Lo)    | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 109 (Hi)    | Adjust Blue Color intensity   |         |                            |
| 110 (Lo)    | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 111 (Hi)    | Adjust White Color intensity  |         |                            |
| 112 (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                   |
|-------------|-------------------------------|---------|----------------------------|
| 113 (Hi)    | Max. Intensity for Lamphead 8 |         |                            |
| 114 (Lo)    | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 115 (Hi)    | Color Temp.                   |         |                            |
| 116 (Lo)    | 0 – 65535                     | 0 – 100 | (2000K~15000K)             |
| 117 (Hi)    | Green / Magenta Adjustment    |         |                            |
| 118 (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            |
| 119 (Hi)    | Color Change Coefficient      |         |                            |
| 120 (Lo)    | 0 – 65535                     | 0 – 100 | White --> Color            |
| 121 (Hi)    | Adjust Red Color intensity    |         |                            |
| 122 (Lo)    | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 123 (Hi)    | Adjust Green Color intensity  |         |                            |
| 124 (Lo)    | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 125 (Hi)    | Adjust Blue Color intensity   |         |                            |
| 126 (Lo)    | 0 – 65535                     | 0 – 100 | 0 % (closed) → 100% (open) |
| 127 (Hi)    | Adjust White Color intensity  |         |                            |
| 128 (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                           |
|-------------|-------------------------------|----------|------------------------------------|
| 129 (Hi)    | Max. Intensity for Lamphead 9 |          |                                    |
| 130 (Lo)    | 0 – 65535                     | 0 – 100  | 0 % (closed) → 100% (open)         |
| 131 (Hi)    | Color Temp.                   |          |                                    |
| 132 (Lo)    | 0 – 65535                     | 0 – 100  | (2000K~15000K)                     |
| 133 (Hi)    | Green / Magenta Adjustment    |          |                                    |
| 134 (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                    |
| 135 (Hi)    | Color Change Coefficient      |          |                                    |
| 136 (Lo)    | 0 – 65535                     | 0 – 100  | White --> Color                    |
| 137 (Hi)    | Adjust Red Color intensity    |          |                                    |
| 138 (Lo)    | 0 – 65535                     | 0 – 100  | 0 % (closed) → 100% (open)         |
| 139 (Hi)    | Adjust Green Color intensity  |          |                                    |
| 140 (Lo)    | 0 – 65535                     | 0 – 100  | 0 % (closed) → 100% (open)         |
| 141 (Hi)    | Adjust Blue Color intensity   |          |                                    |
| 142 (Lo)    | 0 – 65535                     | 0 – 100  | 0 % (closed) → 100% (open)         |
| 143 (Hi)    | Adjust White Color intensity  |          |                                    |
| 144 (Lo)    | 0 – 65535                     | 0 – 100  | 0 % (closed) → 100% (open)         |
| 145         | 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   |
|-------------|--|--|--|
| 146         | 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   |
|             |  |  |  |
| 147         | 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<br>(Performed Normal Mode at this moment) |
| 230 - 255   | 90 – 100   | Normal Mode; Turn OFF "ALL Special Mode" |  |
|             |  |  |  |
| 148         |  |  | 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<br>(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.<br>(2000K~15000K)      |
|                    |                            |          |                                    |
| 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       |
| <b>Mode Selection</b> |                  |          |                                    |
| 12                    | Mode Selection   |          |                                    |
|                       | 26 - 38          | 10 - 14  | #3 RGBW                            |
| <b>Fan control</b>    |                  |          |                                    |
| 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 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)           |
| <b>Mode Selection</b>         |                  |          |                                    |
| 12                            | 39 – 50          | 15 - 19  | #4 x y Coordinate Mode             |
| <b>Fan control</b>            |                  |          |                                    |
| 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            |

**Filmgear LED Lights DMX Chart for 3x3 Pixels**

V1.1.0 or +

**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.<br>(2000K~15000K)               |
| 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<br>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.<br>(2000K~15000K)               |
| 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<br>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.<br>(2000K~15000K)               |
| 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<br>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<br>(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<br>(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)             | (2000K~15000K)             |          |                                    |
| 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<br>#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)                  | (2000K~15000K)             |          |                                    |
| 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)                    | (2000K~15000K)             |          |                                    |
| 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)                            | (2000K~15000K)             |          |                                    |
| 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)         |
| <b>CCT Selection</b>  |   |          |                                    |
| 3 (Hi)                | CCT Selection   |          |                                    |
| 4 (Lo)                | 0- 32767  | 0 – 50   | 3.200 K                            |
|                       | 32768 - 65535   | 51 – 100 | 5.600 K                            |
| <b>Filter Class</b>   |   |          |                                    |
| 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                           |
| <b>Filter Code</b>    |   |          |                                    |
| 7 (Hi)                | Filter Code (Please refer Mode 17 for detail filter code) |          |                                    |
| 8 (Lo)                | 0 – 65535   | 0 – 100  |                                    |
| <b>Mode Selection</b> |   |          |                                    |
| 23                    | Mode Selection  |          |                                    |
|                       | 90 - 101  | 35 - 39  | #8 GEL                             |
| <b>Fan control</b>    |   |          |                                    |
| 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<br>(Performed Normal Mode at this moment) |
|             | 230 - 255 | 90 – 100 | Normal Mode; Turn OFF "ALL Special Mode"                                     |
| 27          |           |          | Reserved for future use  |